

July 20, 2023

Candace Sykora  
Hydrogeologist  
Wisconsin Department of Natural Resources  
890 Spruce St  
Baldwin, WI 54002

Re: 2022 Remedial Action Documentation Report  
WM Waste, Inc.  
21211 Durand Avenue, Union Grove, Racine County, WI 53182  
BRRTS Activity # 02-52-586974, DNR FID # 252195350

Dear Ms. Sykora:

On behalf of WM Waste, Inc. (WM Waste), Cornerstone Environmental Group, LLC, a Tetra Tech Company (Tetra Tech) is submitting this Remedial Action Documentation Report to document remedial actions conducted at the facility located in Union Grove, Wisconsin. Remedial actions were performed in accordance with the Remedial Action Plan (RAP) submitted to the Wisconsin Department of Natural Resources (WDNR) as part of the Site Investigation Report and Remedial Action Plan on October 25, 2022.

The RAP was based upon the evaluation of data collected during Site Investigation activities. This data is summarized in the above-referenced Site Investigation Report and Remedial Action Plan submittal. Residual contamination remained after a previous soil excavation was conducted in response to the release of mercury-containing carbon media during change-out activities. This report summarizes the remedial actions taken thereafter and reports the results of confirmation samples collected at the base of the final excavations.

## 1.0 SITE INFORMATION

**Site name:** WM Waste, Inc. Facility

**Address:** 21211 Durand Avenue, Union Grove, Racine County, WI 53182

**Parcel IDs:** 006-03-20-36-029-000 and 006-03-20-36-031-021

**Environmental Protection Agency ID #:** WID000000356

**Facility ID #:** 252195350

**Site location:** Northeast ¼ of the Northeast ¼ of section 36 of Township 3 North and Range 20 East, Racine County, Wisconsin

**Responsible Party's name and address:** WM Waste, Inc., 21211 Durand Avenue, Union Grove, Racine County, WI 53182

**Consultant name and address:** Tetra Tech, 8413 Excelsior Drive, Suite 160, Madison, WI, 53717

## 2.0 REMEDIAL ACTIONS

The RAP was developed based on analytical and field data collected during various investigations of the soil and an understanding of the geology beneath and surrounding the facility, topographic conditions, and an assessment of the likely movement of mercury-containing carbon media Granulated Activated Carbon near the release area.

Two excavation area boundaries and 13 confirmation sample locations defined in the RAP were GPS surveyed by Tetra Tech prior to starting the excavation.

The soil within the defined boundaries was excavated to the depths specified in the RAP with a backhoe and a skid steer by WM Waste site personnel. The work was performed on November 11 and 17, 2022. The soil was loaded into lined and covered roll-off containers for disposal. The excavation activities were performed under the observation of Tetra Tech field staff under the direction of an Professional Engineer (PE) licensed in the state of Wisconsin. At each confirmation sample location, the GPS survey unit was used to confirm that the target depth of the excavation was reached by comparing the excavated elevation to the pre-excavation elevation.

Once the soil within the defined areas of contamination was removed, six confirmation samples were collected from the base of the Area A excavation and seven confirmation samples were collected from the base of the Area B excavation shown in Figure 1. The area within the five-foot radius around confirmation sample R8 was excavated to greater depth than the other excavation areas based on prior site investigation results as summarized in the Site Investigation and Remedial Action Plan.

The confirmation samples were shipped to Pace Analytical Services commercial laboratory in Green Bay, Wisconsin, a Wisconsin certified laboratory. Area A and B excavations remained open until receipt of confirmation sample results. None of the confirmation samples exceeded the mercury residual contaminant limit (RCL) of 3.13 mg/kg (Attachment 1). Based on the results of these confirmation samples, the excavation and disposal phase of the remedial activities were considered complete. Upon completion of the remedial excavation activities, the roll-off containers were removed and disposed under proper chain-of-custody (Attachment 2). The excavated areas were backfilled general fill and/or gravel from a local supplier (Ozinga, aggregate supplier providing virgin material for construction) and clean topsoil. Upon final grading the areas outside the fence were seeded and covered with straw.

A photographic log of the remedial activities can be found in Attachment 3.

## 3.0 CONFIRMATION SAMPLES

During the remedial activities, confirmation soil samples were collected at thirteen locations (R1-R13). The confirmation sample locations are shown on Figure 1.

All samples were collected at a depth of one foot below the original grade except for R8 which was collected at one and a half feet below the original grade.

Confirmation samples were collected with a stainless-steel soil trowel that was decontaminated with a distilled water rinse followed by a rinse in a solution of distilled water and Alconox soap followed by a final rinse with distilled water. The field technician donned a new pair of clean latex gloves between samples to avoid cross contamination. After the decontamination process, once every six to eight samples, distilled water was poured over the sampling equipment and collected in a sample container and analyzed for total mercury as an equipment rinsate sample to confirm the efficiency of the decontamination procedures. Each soil sample location was surveyed with a GPS unit to capture its location and confirm the excavation depth. The confirmation sample locations are shown on Figure 1.

Immediately following collection of the samples, they were placed into appropriate sample containers provided by Pace Laboratories, Green Bay, WI (Pace). The samples were placed on ice in a cooler and were delivered to Pace for total mercury analysis in accordance with proper chain-of-custody and hold time procedures. The decontamination wastewater and disposable sampling items (such as nitrile gloves and paper towels) were placed in the roll off containers along with the excavated soil for disposal at a permitted facility.

## 4.0 SAMPLE RESULTS AND EVALUATION

The results of the soil sample collection and analysis are summarized in Table 1 and shown at each location on Figure 1. All confirmation samples had a concentration of total mercury below the direct contact RCL 3.13 mg/kg. The pre-excavation and post-excavation survey elevations shown on Figure 1 confirm that the contaminated soil excavation was to a depth of one foot below the ground surface and one and a half foot below the ground surface at sample location R8. Based on the results of the confirmation samples, no further remedial actions are warranted. Clean virgin material was placed back over the excavation area and the site properly restored to match pre-remediation grades. Upon final grading the areas outside the fence were seeded and covered with straw.

If you have any questions, concerns, or need further clarification, please contact Luke Specketer at [luke.specketer@tetrattech.com](mailto:luke.specketer@tetrattech.com).

Sincerely,

**Cornerstone Environmental Group, LLC – A Tetra Tech Company**



Ben Peotter, P.E.  
Environmental Engineer



Luke Specketer, P.G.  
Project Manager

Enclosures: Tables:

Table 1 – Summary of Remedial Action Plan Confirmation Sample Analytical Results

Figures:

Figure 1 – Remedial Action Confirmation Sample Results

Attachments:

Attachment 1 – Laboratory Reports

Attachment 2 – Hazardous Waste Manifests

Attachment 3 – Photographic Log

Cc: Sixto Ortiz – WM  
Michelle Gale – WM  
Mark Noel – WM Steven Smolko – WM  
Todd Washburn – WM  
David Crass – Michael Best & Friedrich, LLP

Remedial Action Report (July 19, 2023 dated submittal)  
WM Waste, Inc. – 21211 Durand Avenue, Union Grove, Racine County, WI 53182  
BRRTS Activity # 02-52-586974

Wis. Admin. Code § NR 712.09: Certification

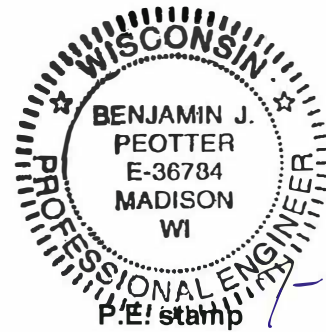
**Professional Engineer**

"I, Benjamin J. Peotter, 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."



Benjamin Peotter,  
Environmental/Geological Engineer Project Manager  
Wisconsin P.E. E-36784

**Signature, Title and P.E. number**



**TABLE 1**

**Summary of Remedial Action Plan Confirmation Sample Analytical Results**



Summary of Remedial Action Plan Confirmation Sample Analytical Results

WM Waste, Inc.  
Union Grove, Wisconsin

Client Project	Sample ID	Lab ID	Collected Date	Method	Matrix	Parameter	Results	Units
WM Waste, Inc.	R1	40254960001	11/17/2022 12:35	EPA 7471	Solid	Mercury	0.034J	mg/kg
WM Waste, Inc.	R2	40254960002	11/17/2022 12:40	EPA 7471	Solid	Mercury	0.060	mg/kg
WM Waste, Inc.	R3	40254960003	11/17/2022 13:30	EPA 7471	Solid	Mercury	<0.0093	mg/kg
WM Waste, Inc.	R4	40254960004	11/17/2022 13:40	EPA 7471	Solid	Mercury	0.018J	mg/kg
WM Waste, Inc.	R5	40254960005	11/17/2022 12:45	EPA 7471	Solid	Mercury	1.1	mg/kg
WM Waste, Inc.	R6	40254960006	11/17/2022 12:50	EPA 7471	Solid	Mercury	0.17	mg/kg
WM Waste, Inc.	R7	40254660001	11/11/2022 9:15	EPA 7471	Solid	Mercury	0.028J	mg/kg
WM Waste, Inc.	R8	40254660002	11/11/2022 9:20	EPA 7471	Solid	Mercury	0.048	mg/kg
WM Waste, Inc.	R9	40254660003	11/11/2022 9:25	EPA 7471	Solid	Mercury	0.035J	mg/kg
WM Waste, Inc.	R10	40254660004	11/11/2022 9:30	EPA 7471	Solid	Mercury	0.041J	mg/kg
WM Waste, Inc.	R11	40254660005	11/11/2022 9:35	EPA 7471	Solid	Mercury	0.036J	mg/kg
WM Waste, Inc.	R12	40254660006	11/11/2022 9:45	EPA 7471	Solid	Mercury	0.059	mg/kg
WM Waste, Inc.	R13	40254660007	11/11/2022 9:40	EPA 7471	Solid	Mercury	0.013J	mg/kg
WM Waste, Inc.	RINSATE 1	40254660008	11/11/2022 9:50	EPA 7470	Water	Mercury	<0.066	ug/L
WM Waste, Inc.	RINSATE 2	40254960007	11/17/2022 13:45	EPA 7470	Water	Mercury	<0.066	ug/L

Notes:

- 1) Confirmation samples were taken at the base of the excavation.
- 2) Total Mercury concentration results designated with a "J" qualifier are estimated concentrations greater than the limit of quantitation.
- 3) Rinsate samples were collected to confirm the effectiveness of equipment decontamination between samples.

Prepared By: LRS

Checked By: LPD

**Figure 1**  
**Remedial Action Confirmation Sample Results**



File: C:\Tetra\Projects\WM-MERCURY\221563 - HR 716 Field Investigation and Report\Plan Set\01-4221563-WM Mercury-Test Results-10\Scale-REMEDATION SAMPLES\_Results.dwg Layout: 04 User: Riley, Edmund Dec 14, 2022 9:17am

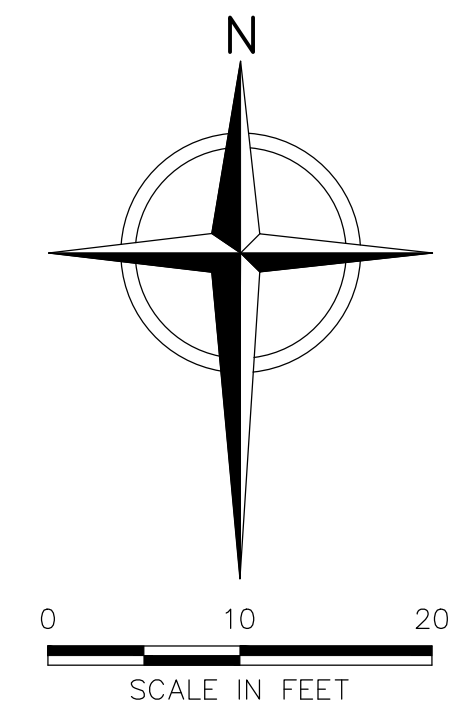


NORTHING	EASTING	ELEVATION	SAMPLE ID	Δ ELEVATION (FT)
254154.31	2485852.47	832.76	R1*	1.31
254154.28	2485852.55	831.45	R1**	
254154.39	2485866.42	833.98	R2*	1.26
254154.40	2485866.37	832.71	R2**	
254154.25	2485880.40	835.20	R3*	1.08
254154.23	2485880.34	834.13	R3**	
254154.32	2485894.44	835.92	R4*	1.07
254154.36	2485894.50	834.86	R4**	
254142.69	2485847.54	832.29	R5*	1.06
254142.65	2485847.52	831.23	R5**	
254142.83	2485856.29	833.20	R6*	1.20
254142.65	2485856.30	832.01	R6**	
254063.58	2485837.01	834.08	R7*	1.21
254063.52	2485836.96	832.86	R7**	
254063.55	2485857.89	834.11	R8*	1.57
254063.51	2485857.83	832.54	R8**	
254049.41	2485835.76	833.72	R9*	1.03
254049.42	2485835.79	832.69	R9**	
254049.26	2485855.82	832.50	R10*	1.06
254049.26	2485855.82	831.44	R10**	
254039.29	2485855.83	832.49	R11*	1.06
254039.30	2485855.86	831.43	R11**	
254029.24	2485861.89	834.11	R12*	1.07
254029.21	2485861.91	833.04	R12**	
254019.21	2485867.92	834.17	R13*	1.10
254019.24	2485867.98	833.07	R13**	

- Notes:
- 1) R\* - Existing ground surface before excavation.
  - 2) R\*\* - Ground surface after excavation according to remediation plan.
  - 3) Accordance with the 2022 Site Investigation Report and Remedial Action Plan sample location R1-R7 and R9-R13 will be excavated to 1.0 foot of depth. Sample Location R8 will be excavated to 1.5 foot of depth.

- LEGEND**
- - - - - PROPERTY BOUNDARY
  - 1400 --- EXISTING 10' CONTOUR
  - 1402 --- EXISTING 2' CONTOUR
  - APPROX. EXTENT OF DECEMBER 2020 EXCAVATION
  - EXCAVATION AREA BOUNDARY (1 FOOT OF DEPTH)
  - R14 (0.00) 5 FOOT RADIUS EXCAVATION AREA BOUNDARY (1.5 FOOT OF DEPTH)
  - R14 (0.00) CONFIRMATION SAMPLE LOCATION AND SOIL MERCURY CONCENTRATION AT EXCAVATION DEPTH - mg/kg

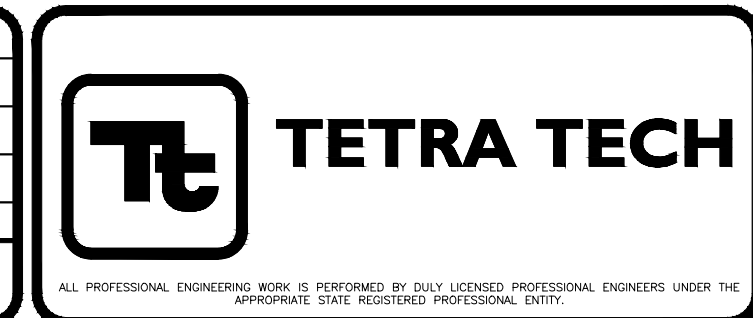
- NOTES: EXCAVATION AND REMEDIATION**
1. TETRA TECH COLLECTED SOIL SAMPLES ON 11/11/2022 AND 11/17/2022.
  2. TETRA TECH SURVEYED SAMPLE LOCATIONS IN THE FIELD.
  3. THE EXCAVATION AREAS (AREA A AND AREA B) WERE EXCAVATED TO A DEPTH OF ONE FOOT BELOW THE GROUND SURFACE. THE FIVE FOOT RADIUS AROUND R8 WAS EXCAVATED TO A DEPTH OF 1.5 FEET BELOW THE GROUND SURFACE.
  4. TOTAL MERCURY CONCENTRATION RESULTS WERE REPORTED BY PACE ANALYTICAL NOVEMBER 16, 2022 AND NOVEMBER 22, 2022.
  5. TOTAL MERCURY CONCENTRATION RESULTS DESIGNATED WITH A "J" QUALIFIER ARE ESTIMATED CONCENTRATION GREATER THAN THE LIMIT OF DETECTION AND LESS THAN THE LIMIT OF QUANTITATION.
  6. THE 2017 EXISTING SURFACE IS TAKEN FROM THE WI STATE CARTOGRAPHER'S OFFICE.



**DRAFT**

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE: DEC. 2022  
 DRAWN BY: RME  
 DESIGNED BY: RME  
 CHECKED BY: LRS  
 APPROVED BY: LRS



WM WASTE, INC.  
 UNION GROVE, WISCONSIN

**REMEDIAL ACTION CONFIRMATION  
 SAMPLE RESULTS**

FIGURE NO.  
**1**  
 PROJECT NO.  
 4221563

This drawing represents intellectual property of Tetra Tech. Any modification to the original by other than Tetra Tech personnel voids its original purpose and as such is rendered void. Tetra Tech will not be held liable for any changes made to this document without express written consent of the originator.

**Attachment 1**  
**Laboratory Reports**

November 16, 2022

Luke Specketer  
TETRATECH - Madison  
8413 Excelsior Drive  
Madison, WI 53717

RE: Project: WM-WASTE SOIL SAMPLING  
Pace Project No.: 40254660

Dear Luke Specketer:

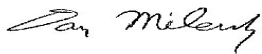
Enclosed are the analytical results for sample(s) received by the laboratory on November 12, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254660

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### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: WM-WASTE SOIL SAMPLING  
Pace Project No.: 40254660

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40254660001	R-7	Solid	11/11/22 09:15	11/12/22 09:15
40254660002	R-8	Solid	11/11/22 09:20	11/12/22 09:15
40254660003	R-9	Solid	11/11/22 09:25	11/12/22 09:15
40254660004	R-10	Solid	11/11/22 09:30	11/12/22 09:15
40254660005	R-11	Solid	11/11/22 09:35	11/12/22 09:15
40254660006	R-12	Solid	11/11/22 09:40	11/12/22 09:15
40254660007	R-13	Solid	11/11/22 09:45	11/12/22 09:15
40254660008	RINSATE 1	Water	11/11/22 09:50	11/12/22 09:15

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254660

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40254660001	R-7	EPA 7471	AJT	1
		ASTM D2974-87	TMP	1
40254660002	R-8	EPA 7471	AJT	1
		ASTM D2974-87	TMP	1
40254660003	R-9	EPA 7471	AJT	1
		ASTM D2974-87	TMP	1
40254660004	R-10	EPA 7471	AJT	1
		ASTM D2974-87	TMP	1
40254660005	R-11	EPA 7471	AJT	1
		ASTM D2974-87	TMP	1
40254660006	R-12	EPA 7471	AJT	1
		ASTM D2974-87	TMP	1
40254660007	R-13	EPA 7471	AJT	1
		ASTM D2974-87	TMP	1
40254660008	RINSATE 1	EPA 7470	AJT	1

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

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## SUMMARY OF DETECTION

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254660

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40254660001</b>	<b>R-7</b>					
EPA 7471	Mercury	0.028J	mg/kg	0.038	11/16/22 10:00	
ASTM D2974-87	Percent Moisture	16.0	%	0.10	11/14/22 15:19	
<b>40254660002</b>	<b>R-8</b>					
EPA 7471	Mercury	0.048	mg/kg	0.041	11/16/22 10:07	
ASTM D2974-87	Percent Moisture	21.0	%	0.10	11/14/22 15:19	
<b>40254660003</b>	<b>R-9</b>					
EPA 7471	Mercury	0.035J	mg/kg	0.035	11/16/22 10:09	
ASTM D2974-87	Percent Moisture	12.4	%	0.10	11/14/22 15:19	
<b>40254660004</b>	<b>R-10</b>					
EPA 7471	Mercury	0.041J	mg/kg	0.041	11/16/22 10:12	
ASTM D2974-87	Percent Moisture	15.5	%	0.10	11/14/22 15:19	
<b>40254660005</b>	<b>R-11</b>					
EPA 7471	Mercury	0.036J	mg/kg	0.037	11/16/22 10:14	
ASTM D2974-87	Percent Moisture	15.1	%	0.10	11/14/22 15:19	
<b>40254660006</b>	<b>R-12</b>					
EPA 7471	Mercury	0.059	mg/kg	0.038	11/16/22 10:16	
ASTM D2974-87	Percent Moisture	13.8	%	0.10	11/14/22 16:59	
<b>40254660007</b>	<b>R-13</b>					
EPA 7471	Mercury	0.013J	mg/kg	0.038	11/16/22 10:18	
ASTM D2974-87	Percent Moisture	12.8	%	0.10	11/14/22 16:59	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254660

**Sample: R-7**      **Lab ID: 40254660001**      Collected: 11/11/22 09:15      Received: 11/12/22 09:15      Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>7471 Mercury</b>	Analytical Method: EPA 7471    Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	<b>0.028J</b>	mg/kg	0.038	0.011	1	11/15/22 08:19	11/16/22 10:00	7439-97-6	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	<b>16.0</b>	%	0.10	0.10	1		11/14/22 15:19		

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## ANALYTICAL RESULTS

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254660

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**Sample: R-8**      **Lab ID: 40254660002**      Collected: 11/11/22 09:20      Received: 11/12/22 09:15      Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>7471 Mercury</b>	Analytical Method: EPA 7471    Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	<b>0.048</b>	mg/kg	0.041	0.012	1	11/15/22 08:19	11/16/22 10:07	7439-97-6	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	<b>21.0</b>	%	0.10	0.10	1		11/14/22 15:19		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254660

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**Sample: R-9**      **Lab ID: 40254660003**      Collected: 11/11/22 09:25      Received: 11/12/22 09:15      Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>7471 Mercury</b>	Analytical Method: EPA 7471    Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	<b>0.035J</b>	mg/kg	0.035	0.010	1	11/15/22 08:19	11/16/22 10:09	7439-97-6	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	<b>12.4</b>	%	0.10	0.10	1		11/14/22 15:19		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254660

**Sample: R-10**      **Lab ID: 40254660004**      Collected: 11/11/22 09:30      Received: 11/12/22 09:15      Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>7471 Mercury</b>	Analytical Method: EPA 7471    Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	<b>0.041J</b>	mg/kg	0.041	0.012	1	11/15/22 08:19	11/16/22 10:12	7439-97-6	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	<b>15.5</b>	%	0.10	0.10	1		11/14/22 15:19		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: WM-WASTE SOIL SAMPLING  
Pace Project No.: 40254660

**Sample: R-11**      **Lab ID: 40254660005**      Collected: 11/11/22 09:35      Received: 11/12/22 09:15      Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>7471 Mercury</b>	Analytical Method: EPA 7471    Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	<b>0.036J</b>	mg/kg	0.037	0.011	1	11/15/22 08:19	11/16/22 10:14	7439-97-6	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	<b>15.1</b>	%	0.10	0.10	1		11/14/22 15:19		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254660

**Sample: R-12**      **Lab ID: 40254660006**      Collected: 11/11/22 09:40      Received: 11/12/22 09:15      Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>7471 Mercury</b>	Analytical Method: EPA 7471    Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	<b>0.059</b>	mg/kg	0.038	0.011	1	11/15/22 08:19	11/16/22 10:16	7439-97-6	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	<b>13.8</b>	%	0.10	0.10	1		11/14/22 16:59		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254660

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**Sample: R-13**      **Lab ID: 40254660007**      Collected: 11/11/22 09:45      Received: 11/12/22 09:15      Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>7471 Mercury</b>	Analytical Method: EPA 7471    Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	<b>0.013J</b>	mg/kg	0.038	0.011	1	11/15/22 08:19	11/16/22 10:18	7439-97-6	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	<b>12.8</b>	%	0.10	0.10	1		11/14/22 16:59		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254660

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**Sample: RINSATE 1**      **Lab ID: 40254660008**      Collected: 11/11/22 09:50      Received: 11/12/22 09:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>7470 Mercury</b>	Analytical Method: EPA 7470    Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	<0.066	ug/L	0.20	0.066	1	11/14/22 10:45	11/15/22 09:10	7439-97-6	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: WM-WASTE SOIL SAMPLING  
Pace Project No.: 40254660

QC Batch: 431368	Analysis Method: EPA 7470
QC Batch Method: EPA 7470	Analysis Description: 7470 Mercury
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40254660008

METHOD BLANK: 2484481 Matrix: Water  
Associated Lab Samples: 40254660008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.066	0.20	11/15/22 07:16	

LABORATORY CONTROL SAMPLE: 2484482

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2484483 2484484

Parameter	Units	40254438001		2484484		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Mercury	ug/L	<0.066	5	5	4.8	4.7	95	95	85-115	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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**QUALITY CONTROL DATA**

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254660

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QC Batch: 431481 Analysis Method: EPA 7471  
 QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury  
 Laboratory: Pace Analytical Services - Green Bay  
 Associated Lab Samples: 40254660001, 40254660002, 40254660003, 40254660004, 40254660005, 40254660006, 40254660007

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METHOD BLANK: 2484870 Matrix: Solid  
 Associated Lab Samples: 40254660001, 40254660002, 40254660003, 40254660004, 40254660005, 40254660006, 40254660007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	11/16/22 09:48	

---

LABORATORY CONTROL SAMPLE: 2484871

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.85	102	85-115	

---

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2484872 2484873

Parameter	Units	40254484001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.050	0.92	0.9	0.99	0.97	103	102	85-115	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254660

QC Batch: 431439

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40254660001, 40254660002, 40254660003, 40254660004, 40254660005

SAMPLE DUPLICATE: 2484706

Parameter	Units	20260694003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.1	3.0	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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### QUALITY CONTROL DATA

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254660

QC Batch: 431448

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40254660006, 40254660007

SAMPLE DUPLICATE: 2484769

Parameter	Units	40254565002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.9	18.7	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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## QUALIFIERS

Project: WM-WASTE SOIL SAMPLING  
Pace Project No.: 40254660

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WM-WASTE SOIL SAMPLING  
Pace Project No.: 40254660

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40254660008	RINSATE 1	EPA 7470	431368	EPA 7470	431407
40254660001	R-7	EPA 7471	431481	EPA 7471	431556
40254660002	R-8	EPA 7471	431481	EPA 7471	431556
40254660003	R-9	EPA 7471	431481	EPA 7471	431556
40254660004	R-10	EPA 7471	431481	EPA 7471	431556
40254660005	R-11	EPA 7471	431481	EPA 7471	431556
40254660006	R-12	EPA 7471	431481	EPA 7471	431556
40254660007	R-13	EPA 7471	431481	EPA 7471	431556
40254660001	R-7	ASTM D2974-87	431439		
40254660002	R-8	ASTM D2974-87	431439		
40254660003	R-9	ASTM D2974-87	431439		
40254660004	R-10	ASTM D2974-87	431439		
40254660005	R-11	ASTM D2974-87	431439		
40254660006	R-12	ASTM D2974-87	431448		
40254660007	R-13	ASTM D2974-87	431448		

### REPORT OF LABORATORY ANALYSIS

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**CHAIN-OF-CUSTODY Analytical Request Document**

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

4054660

**ALL SHADED AREAS are for LAB USE ONLY**

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company: **Tetra Tech** Billing Information: **Steve Smolko**  
 Address: **8413 Excelsior Drive, Suite 160** **21211 Durand Avenue**  
**Madison, WI 53717** **Union Grove, WI 53182**

Report To: **luke.specktor@tetratech.com** Email To: **SSmolko@WM.com**

Copy To: **lee.daigle@tetratech.com** Site Collection Info/Address: **21211 Durand Ave.**  
**Union Grove, WI 53182**

Customer Project Name/Number: **WM-Waste Soil Sampling** State: **WI** County/City: **Union Grove** Time Zone Collected: **[ ] PT [ ] MT [X] CT [ ] ET**

Phone: **608 346 1677** Site/Facility ID #: **WM Mercury** Compliance Monitoring? **[X] Yes [ ] No**  
 Email: **Luke S. - Above** Waste, Inc. **Waste, Inc.**

Collected By (print): **Logan Dwyer** Purchase Order #: **ASAP** DW PWS ID #: **[ ]**  
 Collected By (signature): **[Signature]** Turnaround Date Required: **ASAP** DW Location Code: **[ ]**

Sample Disposal: **[X] Dispose as appropriate [ ] Return** Rush: **[ ] Same Day [ ] Next Day** Field Filtered (if applicable): **[ ] Yes [X] No**  
**[ ] Archive** **[ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day** **[ ] Yes [X] No**  
**[ ] Hold** (Expedite Charges Apply) Analysis: **[ ]**

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
R-7	SL	G	11/11/22	9:15				
R-8	SL	G	11/11/22	9:20				
R-9	SL	G	11/11/22	9:25				
R-10	SL	G	11/11/22	9:30				
R-11	SL	G	11/11/22	9:35				
R-12	SL	G	11/11/22	9:40				
R-13	SL	G	11/11/22	9:45				
Rinsate 1	OT	G	11/11/22	9:50				

Container Preservative Type \*\* **U 1** Lab Project Manager:

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses	Lab Profile/Line:
Plastic 120ml Total Mercury	Lab Sample Receipt Checklist:
Plastic 250ml Total Mercury	Custody Seals Present/Intact Y N NA
	Custody Signatures Present Y N NA
	Collector Signature Present Y N NA
	Bottles Intact Y N NA
	Correct Bottles Y N NA
	Sufficient Volume Y N NA
	Samples Received on Ice Y N NA
	VOA Headspace Acceptable Y N NA
	USA Regulated Soils Y N NA
	Samples in Holding Time Y N NA
	Residual Chlorine Present Y N NA
	Cl Strips:
	Sample pH Acceptable Y N NA
	pH Strips:
	Sulfide Present Y N NA
	Lead Acetate Strips:

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)	Composite End	Res Cl	# of Ctns
R-7	SL	G	11/11/22 9:15			1
R-8	SL	G	11/11/22 9:20			1
R-9	SL	G	11/11/22 9:25			1
R-10	SL	G	11/11/22 9:30			1
R-11	SL	G	11/11/22 9:35			1
R-12	SL	G	11/11/22 9:40			1
R-13	SL	G	11/11/22 9:45			1
Rinsate 1	OT	G	11/11/22 9:50			1

Customer Remarks / Special Conditions / Possible Hazards: **Type of Ice Used: Wet Blue Dry None**  
**Packing Material Used: see serials**  
**Radchem sample(s) screened (<=500 ppm): Y N NA**

SHORT HOLDS PRESENT (<72 hours): **Y N N/A**  
 Lab Tracking #: **2782364**  
 Samples received via: **FEDEX UPS Client Courier Pace Courier**

Lab Sample Temperature Info:  
 Temp Blank Received: **Y N NA**  
 Therm ID#: **[ ]**  
 Cooler 1 Temp Upon Receipt: **[ ]** oC  
 Cooler 1 Therm Corr. Factor: **[ ]** oC  
 Cooler 2 Corrected Temp: **[ ]** oC  
 Comments: **[Signature]**

Relinquished by/Company: (Signature) **[Signature] Tetra Tech** Date/Time: **11/11/2022 3:00pm**  
 Relinquished by/Company: (Signature) **Fedex** Date/Time: **11/2/22 0915**  
 Relinquished by/Company: (Signature) Date/Time:

Received by/Company: (Signature) Date/Time: **11/2/22 0915**  
 Received by/Company: (Signature) Date/Time:  
 Received by/Company: (Signature) Date/Time:

MTJL LAB USE ONLY  
 Table #: **[ ]**  
 Acctnum: **[ ]**  
 Template: **[ ]**  
 Prelogin: **[ ]**  
 PM: **[ ]**  
 PB: **[ ]**  
 Trip Blank Received: **Y N NA**  
 HCL MeOH TSP Other: **[ ]**  
 Non Conformance(s): **Page 20 of 22**  
 YES / NO of: **[ ]**

Effective Date: 8/16/2022

Client Name: Tetra Tech

Sample Preservation Receipt Form

Project #

44054660

All containers needing preservation have been checked and noted below:

Yes  No  N/A

Initial when completed: SB

Date/Time:

Lab Lot# of pH paper 1000772

Lab Std #ID of preservation (if pH adjusted)

Pace Lab #	Glass						Plastic						Vials					Jars				General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)					
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JG9U	JG9U	WG9U	WPFU	SP5T								ZPLC	GN 1	GN 2		
001																																			2.5 / 5
002																																			2.5 / 5
003																																			2.5 / 5
004																																			2.5 / 5
005																																			2.5 / 5
006																																			2.5 / 5
007																																			2.5 / 5
008																																			2.5 / 5
009																																			2.5 / 5
010																																			2.5 / 5
011																																			2.5 / 5
012																																			2.5 / 5
013																																			2.5 / 5
014																																			2.5 / 5
015																																			2.5 / 5
016																																			2.5 / 5
017																																			2.5 / 5
018																																			2.5 / 5
019																																			2.5 / 5
020																																			2.5 / 5

Exceptions to preservation check VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_ Headspace in VOA Vials (>6mm)  Yes  No  N/A \*If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JG9U	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WG9U	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

**Sample Condition Upon Receipt Form (SCUR)**

Project #:

Client Name: Tetra Tech

WO#: **40254660**

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walco  
 Client  Pace Other: \_\_\_\_\_



Tracking #: 3905 3296 5589

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

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

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used SR - 9 Type of Ice: Wet Blue Dry None  Meltwater Only

Cooler Temperature Uncorr: 0 /ICorr 1

Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no

Person examining contents:  
 Date: 11/12/22 Initials: SG  
 Labeled By Initials: RB

Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>pg 12</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>11/12/22 SG</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay, Pace IR, Non-Pace</u>		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrx: <u>SL, OT</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir



November 22, 2022

Luke Specketer  
TETRATECH - Madison  
8413 Excelsior Drive  
Madison, WI 53717

RE: Project: WM-WASTE SOIL SAMPLING  
Pace Project No.: 40254960

Dear Luke Specketer:

Enclosed are the analytical results for sample(s) received by the laboratory on November 18, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254960

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### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254960

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40254960001	R-1	Solid	11/17/22 12:35	11/18/22 09:30
40254960002	R-2	Solid	11/17/22 12:40	11/18/22 09:30
40254960003	R-3	Solid	11/17/22 13:30	11/18/22 09:30
40254960004	R-4	Solid	11/17/22 13:40	11/18/22 09:30
40254960005	R-5	Solid	11/17/22 12:45	11/18/22 09:30
40254960006	R-6	Solid	11/17/22 12:50	11/18/22 09:30
40254960007	RINSATE 2	Water	11/17/22 13:45	11/18/22 09:30

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254960

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40254960001	R-1	EPA 7471	AJT	1
		ASTM D2974-87	MRP	1
40254960002	R-2	EPA 7471	AJT	1
		ASTM D2974-87	MRP	1
40254960003	R-3	EPA 7471	AJT	1
		ASTM D2974-87	MRP	1
40254960004	R-4	EPA 7471	AJT	1
		ASTM D2974-87	MRP	1
40254960005	R-5	EPA 7471	AJT	1
		ASTM D2974-87	MRP	1
40254960006	R-6	EPA 7471	AJT	1
		ASTM D2974-87	MRP	1
40254960007	RINSATE 2	EPA 7470	AJT	1

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: WM-WASTE SOIL SAMPLING  
Pace Project No.: 40254960

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40254960001</b>	<b>R-1</b>					
EPA 7471	Mercury	0.034J	mg/kg	0.049	11/22/22 09:13	
ASTM D2974-87	Percent Moisture	29.1	%	0.10	11/19/22 10:31	
<b>40254960002</b>	<b>R-2</b>					
EPA 7471	Mercury	0.060	mg/kg	0.040	11/22/22 09:20	
ASTM D2974-87	Percent Moisture	20.7	%	0.10	11/19/22 10:31	
<b>40254960003</b>	<b>R-3</b>					
ASTM D2974-87	Percent Moisture	5.0	%	0.10	11/19/22 10:31	
<b>40254960004</b>	<b>R-4</b>					
EPA 7471	Mercury	0.018J	mg/kg	0.037	11/22/22 09:25	
ASTM D2974-87	Percent Moisture	8.7	%	0.10	11/19/22 10:31	
<b>40254960005</b>	<b>R-5</b>					
EPA 7471	Mercury	1.1	mg/kg	0.043	11/22/22 09:27	
ASTM D2974-87	Percent Moisture	27.0	%	0.10	11/19/22 10:31	
<b>40254960006</b>	<b>R-6</b>					
EPA 7471	Mercury	0.17	mg/kg	0.042	11/22/22 09:30	
ASTM D2974-87	Percent Moisture	19.8	%	0.10	11/19/22 10:31	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254960

**Sample: R-1**      **Lab ID: 40254960001**      Collected: 11/17/22 12:35      Received: 11/18/22 09:30      Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>7471 Mercury</b>	Analytical Method: EPA 7471    Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	<b>0.034J</b>	mg/kg	0.049	0.014	1	11/21/22 07:13	11/22/22 09:13	7439-97-6	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	<b>29.1</b>	%	0.10	0.10	1		11/19/22 10:31		

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### ANALYTICAL RESULTS

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254960

**Sample: R-2**      **Lab ID: 40254960002**      Collected: 11/17/22 12:40      Received: 11/18/22 09:30      Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>7471 Mercury</b>	Analytical Method: EPA 7471    Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	<b>0.060</b>	mg/kg	0.040	0.011	1	11/21/22 07:13	11/22/22 09:20	7439-97-6	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	<b>20.7</b>	%	0.10	0.10	1		11/19/22 10:31		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: WM-WASTE SOIL SAMPLING  
Pace Project No.: 40254960

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**Sample: R-3**      **Lab ID: 40254960003**      Collected: 11/17/22 13:30      Received: 11/18/22 09:30      Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>7471 Mercury</b>	Analytical Method: EPA 7471    Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	<b>&lt;0.0093</b>	mg/kg	0.032	0.0093	1	11/21/22 07:13	11/22/22 09:23	7439-97-6	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	<b>5.0</b>	%	0.10	0.10	1		11/19/22 10:31		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254960

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**Sample: R-4**      **Lab ID: 40254960004**      Collected: 11/17/22 13:40      Received: 11/18/22 09:30      Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>7471 Mercury</b>	Analytical Method: EPA 7471    Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	<b>0.018J</b>	mg/kg	0.037	0.011	1	11/21/22 07:13	11/22/22 09:25	7439-97-6	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	<b>8.7</b>	%	0.10	0.10	1		11/19/22 10:31		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254960

**Sample: R-5**      **Lab ID: 40254960005**      Collected: 11/17/22 12:45      Received: 11/18/22 09:30      Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>7471 Mercury</b>	Analytical Method: EPA 7471    Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	1.1	mg/kg	0.043	0.012	1	11/21/22 07:13	11/22/22 09:27	7439-97-6	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	27.0	%	0.10	0.10	1		11/19/22 10:31		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254960

**Sample: R-6**      **Lab ID: 40254960006**      Collected: 11/17/22 12:50      Received: 11/18/22 09:30      Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>7471 Mercury</b>	Analytical Method: EPA 7471    Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	<b>0.17</b>	mg/kg	0.042	0.012	1	11/21/22 07:13	11/22/22 09:30	7439-97-6	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	<b>19.8</b>	%	0.10	0.10	1		11/19/22 10:31		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254960

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**Sample: RINSATE 2**      **Lab ID: 40254960007**      Collected: 11/17/22 13:45      Received: 11/18/22 09:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>7470 Mercury</b>	Analytical Method: EPA 7470    Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	<0.066	ug/L	0.20	0.066	1	11/21/22 10:30	11/22/22 06:58	7439-97-6	

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### QUALITY CONTROL DATA

Project: WM-WASTE SOIL SAMPLING  
Pace Project No.: 40254960

QC Batch: 432039	Analysis Method: EPA 7470
QC Batch Method: EPA 7470	Analysis Description: 7470 Mercury
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40254960007

METHOD BLANK: 2488327 Matrix: Water

Associated Lab Samples: 40254960007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.066	0.20	11/22/22 06:54	

LABORATORY CONTROL SAMPLE: 2488328

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2488329 2488330

Parameter	Units	40254960007		2488330		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Mercury	ug/L	<0.066	5	5	4.8	4.7	96	95	85-115	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254960

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QC Batch:	431992	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40254960001, 40254960002, 40254960003, 40254960004, 40254960005, 40254960006

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METHOD BLANK: 2488187 Matrix: Solid

Associated Lab Samples: 40254960001, 40254960002, 40254960003, 40254960004, 40254960005, 40254960006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	11/22/22 09:09	

---

LABORATORY CONTROL SAMPLE: 2488188

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.82	98	85-115	

---

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2488189 2488190

Parameter	Units	40254960001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.034J	1.2	1.2	1.1	1.2	96	95	85-115	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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### QUALITY CONTROL DATA

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254960

QC Batch: 431971

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40254960001, 40254960002, 40254960003, 40254960004, 40254960005, 40254960006

SAMPLE DUPLICATE: 2488103

Parameter	Units	40254946001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.9	5.9	0	10	

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## QUALIFIERS

Project: WM-WASTE SOIL SAMPLING

Pace Project No.: 40254960

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WM-WASTE SOIL SAMPLING  
Pace Project No.: 40254960

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40254960007	RINSATE 2	EPA 7470	432039	EPA 7470	432068
40254960001	R-1	EPA 7471	431992	EPA 7471	432062
40254960002	R-2	EPA 7471	431992	EPA 7471	432062
40254960003	R-3	EPA 7471	431992	EPA 7471	432062
40254960004	R-4	EPA 7471	431992	EPA 7471	432062
40254960005	R-5	EPA 7471	431992	EPA 7471	432062
40254960006	R-6	EPA 7471	431992	EPA 7471	432062
40254960001	R-1	ASTM D2974-87	431971		
40254960002	R-2	ASTM D2974-87	431971		
40254960003	R-3	ASTM D2974-87	431971		
40254960004	R-4	ASTM D2974-87	431971		
40254960005	R-5	ASTM D2974-87	431971		
40254960006	R-6	ASTM D2974-87	431971		

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# CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

41254960

ALL SHADED AREAS are for LAB USE ONLY

Company: Tetra Tech

Billing Information: Steve Smolko  
21211 Durand Avenue  
Union Grove, WI 53182

Address: 8413 Excelsior Drive, S.J. #140  
Madison, WI 53717

Report To: luke.specketer@tetratech.com

Email To: SSmolko@wm.com

Copy To: lee.daigle@tetratech.com

Site Collection Info/Address: WM Waste, Union Grove

Customer Project Name/Number: WM-Waste Soil Sampling

State: WI / County/City: Union Grove Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET

Phone: 608 340 1677  
Email: Luke S - Above

Site/Facility ID #: WM Waste Inc.

Compliance Monitoring? [X] Yes [ ] No

Collected By (print): Logan Dwyer

Purchase Order #: Quote #:

DW PWS ID #: DW Location Code:

Collected By (signature): [Signature]

Turnaround Date Required: ASAP

Immediately Packed on Ice: [X] Yes [ ] No

Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive [ ] Hold:

Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Field Filtered (if applicable): [ ] Yes [X] No  
Analysis:

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
R-1	SL	G	11/17/22	12:35				1
R-2	SL	G	11/17/22	12:40				1
R-3	SL	G	11/17/22	13:30				1
R-4	SL	G	11/17/22	13:40				1
R-5	SL	G	11/17/22	12:45				1
R-6	SL	G	11/17/22	12:50				1
Rinsate 2	OT	G	11/17/22	13:45				1

Container Preservative Type \*\*

Lab Project Manager:

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Lab Profile/Line:

Plastic 120ml	Total Mercury																						
Plastic 250ml	Total Mercury																						

Lab Sample Receipt Checklist:

Custody Seals Present/Intact Y N NA

Custody Signatures Present Y N NA

Collector Signature Present Y N NA

Bottles Intact Y N NA

Correct Bottles Y N NA

Sufficient Volume Y N NA

Samples Received on Ice Y N NA

VOA - Headspace Acceptable Y N NA

USDA Regulated Soils Y N NA

Samples in Holding Time Y N NA

Residual Chlorine Present Y N NA

Cl Strips: TP 11/18/22

Sample pH Acceptable Y N NA

pH Strips: \_\_\_\_\_

Sulfide Present Y N NA

Lead Acetate Strips: \_\_\_\_\_

LAB USE ONLY:  
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None  
SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Sample Temperature Info:

Packing Material Used: Radchem sample(s) screened (<500 cpm): Y N NA

Lab Tracking #: 2782366  
Samples received via: FEDEX UPS Client Courier Pace Courier

Temp Blank Received: Y N NA  
Therm ID#: 0930  
Cooler 1 Temp Upon Receipt: 0930  
Cooler 1 Therm Corr. Factor: \_\_\_\_\_ °C  
Cooler 1 Corrected Temp: \_\_\_\_\_ °C

Relinquished by/Company: (Signature) [Signature] Tetra Tech

Date/Time: 11/17/22 4:20pm

Received by/Company: (Signature)

Date/Time: \_\_\_\_\_  
MTJL LAB USE ONLY

Relinquished by/Company: (Signature) [Signature] Fedex

Date/Time: 11/18/22 0930

Received by/Company: (Signature) [Signature]

Date/Time: 11/18/22 0810

Trip Blank Received: Y N NA  
HCL MeOH TSP Other

Relinquished by/Company: (Signature)

Date/Time: 11/18/22

Received by/Company: (Signature)

Date/Time: 11/18/22

Non Conformance(s): YES / NO  
Page 18 of 20  
of: 1

Effective Date: 8/16/2022

Client Name: TetraTech

Sample Preservation Receipt Form  
Project # 4054960

All containers needing preservation have been checked and noted below  
Lab Lot# of pH paper

Yes  No  N/A  
Lab Std #ID of preservation (if pH adjusted) 1000777

Initial when completed JP Date/Time

Pace Lab #	Glass						Plastic						Vials					Jars				General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)					
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T								ZPLC	GN 1	GN 2		
001																																			2.5 / 5
002																																			2.5 / 5
003																																			2.5 / 5
004																																			2.5 / 5
005																																			2.5 / 5
006																																			2.5 / 5
007																																			2.5 / 5
008																																			2.5 / 5
009																																			2.5 / 5
010																																			2.5 / 5
011																																			2.5 / 5
012																																			2.5 / 5
013																																			2.5 / 5
014																																			2.5 / 5
015																																			2.5 / 5
016																																			2.5 / 5
017																																			2.5 / 5
018																																			2.5 / 5
019																																			2.5 / 5
020																																			2.5 / 5

Exceptions to preservation check VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_ Headspace in VOA Vials (>6mm) .  Yes  No  N/A \*If yes look in headspace column

<b>AG1U</b>	1 liter amber glass	<b>BP1U</b>	1 liter plastic unpres	<b>VG9C</b>	40 mL clear ascorbic w/ HCl	<b>JGFU</b>	4 oz amber jar unpres
<b>BG1U</b>	1 liter clear glass	<b>BP3U</b>	250 mL plastic unpres	<b>DG9T</b>	40 mL amber Na Thio	<b>JG9U</b>	9 oz amber jar unpres
<b>AG1H</b>	1 liter amber glass HCL	<b>BP3B</b>	250 mL plastic NaOH	<b>VG9U</b>	40 mL clear vial unpres	<b>WGFU</b>	4 oz clear jar unpres
<b>AG4S</b>	125 mL amber glass H2SO4	<b>BP3N</b>	250 mL plastic HNO3	<b>VG9H</b>	40 mL clear vial HCL	<b>WPFU</b>	4 oz plastic jar unpres
<b>AG5U</b>	100 mL amber glass unpres	<b>BP3S</b>	250 mL plastic H2SO4	<b>VG9M</b>	40 mL clear vial MeOH	<b>SP5T</b>	120 mL plastic Na Thiosulfate
<b>AG2S</b>	500 mL amber glass H2SO4	<b>BP2Z</b>	500 mL plastic NaOH + Zn	<b>VG9D</b>	40 mL clear vial DI	<b>ZPLC</b>	ziploc bag
<b>BG3U</b>	250 mL clear glass unpres					<b>GN 1</b>	
						<b>GN 2</b>	

**Sample Condition Upon Receipt Form (SCUR)**

Project #: \_\_\_\_\_

Client Name: Tetra Tech

**WO# : 40254960**



40254960

Courier:  ES Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_

Tracking #: 3907 9233 31 3490

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

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

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used SR - 119 Type of Ice:  Wet  Blue  Dry  None  Meltwater Only

Cooler Temperature Uncorr 4.0 /Corr. 4.5

Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no

Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:  
 Date: 8/18/22 /Initials: JP  
 Labeled By Initials: mtt

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Sufficient Volume		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay</u> , Pace IR, Non-Pace		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S, W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

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

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution \_\_\_\_\_

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample log in

**Attachment 2**  
**Hazardous Waste Manifests**

Please print or type.

Load # 1413723

Box # 25251

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>WIR 000 000 356</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Manifest Tracking Number <b>018441637 FLE</b>			
5. Generator's Name and Mailing Address <b>WM Mercury Waste, Inc. 21211 Durand Ave. Union Grove, WI 53182 (262) 878-2599</b>				Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name <b>Robbie D Wood Inc</b>				U.S. EPA ID Number <b>ALD 067 138 891</b>				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address <b>Chemical Waste Management 36964 AL. Hwy 17 Emelle, AL 35459 (205) 652-9721</b>				U.S. EPA ID Number <b>ALD 000 622 464</b>				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. <b>RQ, NA3077, Hazardous Waste, Solid, n.o.s.(Mercury), 9, PGIII</b>	0001	CM	0025	Y	1009		
	2.							
	3.							
	4.							
14. Special Handling Instructions and Additional Information <b>L1 - Profile# AL405021: SOIL FOR STABILIZATION (Low Mercury): 25RLF (MWI-20W1876)</b> <b>**Chemtec Contact Number: CCM24117** PO#20-1115</b>								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name				Signature		Month	Day	Year
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name <b>Freddie Lee Williams</b>				Signature <i>Freddie Lee Williams</i>		Month	Day	Year
Transporter 2 Printed/Typed Name				Signature		Month	Day	Year
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number: _____								
18b. Alternate Facility (or Generator)				U.S. EPA ID Number				
Facility's Phone: _____								
18c. Signature of Alternate Facility (or Generator)				Signature		Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.	2.	3.	4.					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name				Signature		Month	Day	Year

Please print or type.

Load # 1402654 Box # 25162

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>WIR 000 000 356</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Manifest Tracking Number <b>006515927 GBF</b>				
5. Generator's Name and Mailing Address <b>WM Mercury Waste, Inc. 21211 Durand Ave. Union Grove, WI 53182 (262) 878-2599</b>				Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name <b>Robbie D Wood Inc</b>				U.S. EPA ID Number <b>ALD 067 138 891</b>					
7. Transporter 2 Company Name				U.S. EPA ID Number					
8. Designated Facility Name and Site Address <b>Chemical Waste Management 36964 AL. Hwy 17 Emelle, AL 35459 (205)652-9721</b>				U.S. EPA ID Number <b>ALD 000 622 464</b>					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
X	1. <b>RQ, NA3077, Hazardous Waste, Solid, n.o.s.(Mercury), 9, PGIII</b>			<b>0001 CM</b>		<b>0025</b>	<b>Y</b>	<b>D009</b>	
	2.								
	3.								
	4.								
14. Special Handling Instructions and Additional Information <b>L1 - Profile# AL405021: SOIL FOR STABILIZATION (Low Mercury): 25RLF</b> <b>**Chemtrec Contact Number: CCN24117** PO#20-1115</b>									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Offoror's Printed/Typed Name <b>A. B. J. L...</b>				Signature <i>[Signature]</i>				Month Day Year <b>12 13 22</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____									
17. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name <b>Freddie Lee Williams</b>				Signature <i>[Signature]</i>				Month Day Year <b>12 13 22</b>	
Transporter 2 Printed/Typed Name				Signature				Month Day Year	
18. Discrepancy									
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____									
18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____									
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1.		2.		3.		4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name				Signature				Month Day Year	

Please print or type.

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>WIP 000 000 356</b>	2. Page 1 of	3. Emergency Response Phone <b>1 800-424-9301</b>	4. Manifest Tracking Number <b>007230776 GBF</b>	
5. Generator's Name and Mailing Address <b>WM Mercury Waste, Inc. 21211 Durand Ave. Union Grove, WI 53182 (262) 878-2599</b>			Generator's Site Address (if different than mailing address)			
6. Transporter 1 Company Name <b>Robbie D Wood Inc</b>			U.S. EPA ID Number <b>ALD 067 138 891</b>			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>Chemical Waste Management 36964 AL. Hwy 17 Emelle, AL 35459 (205)652-9721</b>			U.S. EPA ID Number <b>ALD 000 622 464</b>			
Facility's Phone:						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.
1.	<b>X RQ, NA3077, Hazardous Waste, Solid, n.o.s.(Mercury), 9, PGIII</b>		<b>0001 (M)</b>		<b>0025</b>	<b>Y</b>
2.						
3.						
4.						
13. Waste Codes <b>D009</b>						
14. Special Handling Instructions and Additional Information <b>L1 - Profile# AL405021 Soil (Low Mercury)</b> <b>**Chemtrec Contact Number: CCN24117** PO#20-1196</b>						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name <i>[Signature]</i>			Signature <i>[Signature]</i>		Month <i>4</i>	Day <i>11</i>
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.			Port of entry/exit: Date leaving U.S.:			
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name <i>Jerry S. Wood</i>			Signature <i>[Signature]</i>		Month <i>12</i>	Day <i>14</i>
Transporter 2 Printed/Typed Name			Signature		Month	Day
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
18b. Alternate Facility (or Generator)			Manifest Reference Number: U.S. EPA ID Number			
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator)					Month	Day
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.	2.	3.	4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name			Signature		Month	Day



Please print or type.

1021# 140 7156

Box # 25251

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>WIR 000 000 356</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Manifest Tracking Number <b>006515925 GBF</b>			
5. Generator's Name and Mailing Address <b>Mercury Waste, Inc. 21211 Durand Ave. Union Grove, WI 53182 (262) 878-2599</b>				Generator's Site Address (if different than mailing address)				
Generator's Phone:								
6. Transporter 1 Company Name <b>Robbie D Weed Inc</b>			U.S. EPA ID Number <b>ALD 067 138 891</b>					
7. Transporter 2 Company Name			U.S. EPA ID Number					
8. Designated Facility Name and Site Address <b>Chemical Waste Management 36964 AL Hwy 17 Emelle, AL 35459 (205)652-9721</b>			U.S. EPA ID Number <b>ALD 000 622 464</b>					
Facility's Phone:								
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
X	1. <b>RQ, NA3077, Hazardous Waste, Solid, n.o.s.(Mercury), 9, PGIII</b>	0001	CM	0025	Y	6000		
	2.							
	3.							
	4.							
14. Special Handling Instructions and Additional Information <b>L1 - Profile# AL405021: SOIL FOR STABILIZATION (Low Mercury): 25RLF (MWI-20W1876)</b> <b>**Chemtrec Contact Number: CCN24117** PO#20-1115</b>								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name <b>A. Best Lump</b>				Signature <i>[Signature]</i>			Month Day Year <b>12 2 12</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name <b>Freddie Lee Williams</b>				Signature <i>[Signature]</i>			Month Day Year <b>12 07 12</b>	
Transporter 2 Printed/Typed Name				Signature			Month Day Year	
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____								
Facility's Phone: _____								
18c. Signature of Alternate Facility (or Generator)						Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name				Signature			Month Day Year	

GENERATOR

TRANSPORTER INT'L

TRANSPORTER

DESIGNATED FACILITY

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>WIR 000 000 356</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Manifest Tracking Number <b>006515928 GBF</b>		
5. Generator's Name and Mailing Address <b>WIR Primary Waste, Inc. 21211 Durand Ave. Union Grove, WI 53182 (262) 878-2599</b>		Generator's Site Address (if different than mailing address)					
Generator's Phone:							
6. Transporter 1 Company Name <b>Robbie D Wood Inc</b>				U.S. EPA ID Number <b>ALD 067 138 891</b>			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>Chemical Waste Management 36964 AL. Hwy 17 Emelle, AL 35459 (205)652-9721</b>				U.S. EPA ID Number <b>ALD 000 622 464</b>			
Facility's Phone:							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
<b>X</b>	<b>1. RQ, NA3077, Hazardous Waste, Solid, n.o.s.(Mercury), 9, PGIII</b>	<b>0001</b>	<b>CM</b>	<b>0025</b>	<b>Y</b>	<b>0005</b>	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information <b>L1 - Profile# AL405021: SOIL FOR STABILIZATION (Low Mercury): 25RLF</b> <b>**Chemtrec Contact Number: CCN24117** PO#20-1115</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name <i>Robert Wood</i>				Signature <i>Robert Wood</i>		Month Day Year <i>12 7 27</i>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <i>Ernest Winston</i>				Signature <i>Ernest Winston</i>		Month Day Year <i>12 7 27</i>	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____							
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

Please print or type.

Load # 1402589

Box # 25437

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>WIR 000 000 356</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Manifest Tracking Number <b>006515926 GBF</b>		
5. Generator's Name and Mailing Address <b>Wm Primary Waste, Inc. 21211 Durand Ave. Union Grove, WI 53182 (262) 878-2599</b>		Generator's Site Address (if different than mailing address)					
Generator's Phone:							
6. Transporter 1 Company Name <b>Robbie D Wood Inc</b>		U.S. EPA ID Number <b>ALD 067 138 891</b>					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address <b>Chemical Waste Management 36964 AL. Hwy 17 Emelle, AL 35459 (205)652-9721</b>		U.S. EPA ID Number <b>ALD 000 622 464</b>					
Facility's Phone:							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
X	1. <b>RQ, NA3077, Hazardous Waste, Solid, n.o.s.(Mercury), 9, PGIII</b>	0001	CM	0025	Y	D009	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information <b>L1 - Profile# AL405021: SOIL FOR STABILIZATION (Low Mercury): 25RLF (MWI-20W1876)</b> <b>**Chemtrec Contact Number: CCN24117** PO#20-1115</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name <i>Robbie D Wood</i>		Signature <i>Robbie D Wood</i>		Month <i>12</i>	Day <i>05</i>	Year <i>21</i>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <i>Freddie Lee Williams</i>		Signature <i>Freddie Lee Williams</i>		Month <i>12</i>	Day <i>05</i>	Year <i>22</i>	
Transporter 2 Printed/Typed Name		Signature		Month	Day	Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
18b. Alternate Facility (or Generator)		Manifest Reference Number:			U.S. EPA ID Number		
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)		Signature			Month	Day	
					Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name		Signature		Month	Day	Year	

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>WIR 000 000 356</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Manifest Tracking Number <b>006515922 GBF</b>		
5. Generator's Name and Mailing Address <b>WIR Mercury Waste, Inc. 21211 Durand Ave. Union Grove, WI 53182 (262) 878-2599</b>				Generator's Site Address (if different than mailing address)			
6. Transporter 1 Company Name <b>Robbie D Wood Inc</b>		U.S. EPA ID Number <b>ALD 067 138 891</b>					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address <b>Chemical Waste Management 36964 Al.. Hwy 17 Emelle, AL 35459 (205)652-9721</b>				U.S. EPA ID Number <b>ALD 000 622 464</b>			
Facility's Phone:							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes	
		No.	Type				
<b>X</b>	<b>1. RQ, NA3077, Hazardous Waste, Solid, n.o.s.(Mercury), 9, PGIII</b>	<b>0001</b>	<b>CM</b>	<b>0025</b>	<b>Y</b>	<b>D009</b>	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information <b>L1 - Profile# AL405021: SOIL FOR STABILIZATION (Low Mercury): 25RLF (MWI-20W1876)</b> <b>**Chemtrec Contact Number: CCN24117** PO#20-1115</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name <b>Robert Lunt</b>				Signature <i>Robert Lunt</i>		Month Day Year <b>11 21 22</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <b>Farnest Winston</b>				Signature <i>Farnest Winston</i>		Month Day Year <b>11 21 22</b>	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____							
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

Please print or type.

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>WIR 000 000 356</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Manifest Tracking Number <b>006515924 GBF</b>		
5. Generator's Name and Mailing Address <b>Mercury Waste, Inc. 21211 Durand Ave. Union Grove, WI 53182 (262) 878-2599</b>		Generator's Site Address (if different than mailing address)					
Generator's Phone:							
6. Transporter 1 Company Name <b>Robbie D Wood Inc</b>				U.S. EPA ID Number <b>ALD 067 138 891</b>			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>Chemical Waste Management 36964 AL. Hwy 17 Emelle, AL 35459 (205)652-9721</b>				U.S. EPA ID Number <b>ALD 000 622 464</b>			
Facility's Phone:							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
<b>X</b>	<b>RQ, NA3077, Hazardous Waste, Solid, n.o.s.(Mercury), 9, PGIII</b>	<b>0001</b>	<b>CM</b>	<b>0025</b>	<b>Y</b>	<b>D009</b>	
14. Special Handling Instructions and Additional Information <b>L1 - Profile# AL405021: SOIL FOR STABILIZATION (Low Mercury): 25R1F (MWI-20W1876)</b> <b>**Chemtrec Contact Number: CCN24117** PO#20-1115</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name <i>A. A. ...</i>				Signature <i>[Signature]</i>		Month Day Year <i>11 23 22</i>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <i>Charles Manning</i>				Signature <i>[Signature]</i>		Month Day Year <i>11 23 22</i>	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____							
18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. _____		2. _____		3. _____		4. _____	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

GENERATOR

INTL

TRANSPORTER

DESIGNATED FACILITY

BOX 41,790

Please print or type.

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>WFR 000 000 256</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800 424 0300</b>	4. Manifest Tracking Number <b>006515919 GBF</b>		
5. Generator's Name and Mailing Address <b>WM Mercury Waste, Inc. 21211 Durand Ave. Union Grove, WI 53182 (262) 878-2599</b>				Generator's Site Address (if different than mailing address)			
6. Transporter 1 Company Name <b>Robbie D Wood Inc</b>				U.S. EPA ID Number <b>ALD 067 138 891</b>			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>Chemical Waste Management 36964 AL Hwy 17 Emelle, AL 35459 (205)652-9721</b>				U.S. EPA ID Number <b>ALD 000 622 464</b>			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes	
X	1. <b>RQ, NA3077, Hazardous Waste, Solid, n.o.s.(Mercury), 9, PGIII</b>	0001	CM	0025	Y	D009	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information <b>L1 - Profile# AL405021: SOIL FOR STABILIZATION (Low Mercury): 25RLF (MWI-20W1876)</b> <b>**Chemtrac Contact Number: CCN24117** PO#20-1115</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name <b>Robbie D Wood</b>				Signature <i>[Signature]</i>		Month Day Year <b>11 21 12</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <b>Kent Newton</b>				Signature <i>[Signature]</i>		Month Day Year <b>11 21 12</b>	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

Please print or type.

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>WIR 000 000 356</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Manifest Tracking Number <b>006515921 GBF</b>		
5. Generator's Name and Mailing Address <b>Chemical Waste, Inc. 21211 Durand Ave. Union Grove, WI 53182 (262) 878-2599</b>				Generator's Site Address (if different than mailing address)			
Generator's Phone:							
6. Transporter 1 Company Name <b>Robbie D Wood Inc</b>			U.S. EPA ID Number <b>ALD 067 138 891</b>				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address <b>Chemical Waste Management 36964 AL. Hwy 17 Emelle, AL 35459 (205)652-9721</b>			U.S. EPA ID Number <b>ALD 000 622 464</b>				
Facility's Phone:							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
<b>X</b>	<b>1. RQ, NA3077, Hazardous Waste, Solid, n.o.s.(Mercury), 9, PGIII</b>	<b>0001</b>	<b>CM</b>	<b>0025</b>	<b>Y</b>	<b>0003</b>	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information <b>L1 - Profile# AL405021: SOIL FOR STABILIZATION (Low Mercury): 25RLF (MWI-20W1876)</b> <b>**Chemtrec Contact Number: CCN24117** PO#20-1115</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name <i>R. D. Wood</i>				Signature <i>R. D. Wood</i>		Month Day Year <i>11 21 22</i>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <i>Bobby...</i>				Signature <i>Bobby...</i>		Month Day Year <i>11 21 22</i>	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____							
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

**Attachment 3**  
**Photographic Log**



Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

Page 1 of 24



Photograph No. 1

Date: 11/10/2022

Excavation area B soil  
excavation. Looking  
Northeast (Reference Figure  
B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

Page 2 of 24



Photograph No. 2

Date: 11/10/2022

Limits of excavation area B  
staked out. Looking North  
(Reference Figure B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

Page 3 of 24



Photograph No. 3

Date: 11/10/2022

Excavation of soil to a min.  
1ft over excavation area B  
using a skid steer. Looking  
Northeast (Reference Figure  
B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

Page 4 of 24



Photograph No. 4

Date: 11/10/2022

Excavation and transport of contaminated soils to lined roll of containers. Looking North (Reference Figure B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

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Photograph No. 5

Date: 11/11/2022

Excavation area B during removal of top contaminated soil layer. Looking Southeast (Reference Figure B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

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Photograph No. 6

Date: 11/17/2022

Excavation area A near  
sample locations R3 and R4  
within facility perimeter  
fence. Looking North  
(Reference Figure B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

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Photograph No. 7

Date: 11/17/2022

North Shore Environmental Construction, Inc. using backhoe to remove 1ft of contaminated soils from within tree cover in soil excavation area A. Looking North (Reference Figure B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

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Photograph No. 8

Date: 11/17/2022

North Shore Environmental Construction, Inc. using backhoe to remove 1ft of contaminated soils from within tree cover in soil excavation area A (continued). Looking Northeast (Reference Figure B.2.a.1).



Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

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Photograph No. 9

Date: 11/17/2022

North Shore Environmental Construction, Inc. using backhoe to transport contaminated soils into lined roll off containers at soil excavation area A. Looking North (Reference Figure B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

Page 10 of 24



Photograph No. 10

Date: 11/17/2022

Excavation area A viewed from within tree coverage next to facility perimeter fence. Looking North (Reference Figure B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

Page 11 of 24



Photograph No. 11

Date: 11/17/2022

Excavation area A after  
removal of 1ft of  
contaminated soils. Looking  
Southeast (Reference Figure  
B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

Page 12 of 24



Photograph No. 12

Date: 11/17/2022

Lined and covered roll off  
containers filled with  
contaminated soils prepared  
to be transported to  
hazardous waste facility.  
Looking Northwest

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

Page 13 of 24



Photograph No. 13

Date: 11/17/2022

Excavation area A after  
removal of 1ft of  
contaminated soils. Looking  
Northeast (Reference Figure  
B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

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Photograph No. 14

Date: 11/17/2022

Excavation area B after  
removal of contaminated  
soils. Looking South  
(Reference Figure B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

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Photograph No. 15

Date: 11/17/2022

Excavation area B after removal of contaminated soils. Roll off containers being prepared for shipment to hazardous waste facility. Looking Southwest (Reference Figure B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

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Photograph No. 16

Date: 11/17/2022

Excavation area A near  
sample locations R3 and R4  
within facility perimeter fence  
during excavation. Looking  
East (Reference Figure  
B.2.a.1).



Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

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Photograph No. 17

Date: 11/17/2022

Excavation area A near sample locations R3 and R4 within facility perimeter fence during excavation. Looking Southeast (Reference Figure B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

Page 18 of 24



Photograph No. 18

Date: 6/14/2023

Backfilling area A near  
sample locations R3 and R4  
within facility perimeter  
fence. Looking South  
(Reference Figure B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

Page 19 of 24



Photograph No. 19

Date: 6/14/2023

Area A backfilled near  
sample locations R3 and R4  
within facility perimeter  
fence. Looking East  
(Reference Figure B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

Page 20 of 24



Photograph No. 20

Date: 6/14/2023

Area A backfilled near  
sample locations R2 along  
the inside of the facility  
perimeter fence. Looking  
Southwest (Reference  
Figure B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

Page 21 of 24



Photograph No. 21

Date: 6/14/2023

Area A after backfilling near  
sample locations R1, R5 and  
R6 Looking Northeast  
(Reference Figure B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

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Photograph No. 22

Date: 6/14/2023

Area A after backfilling near  
sample locations R1, R5 and  
R6 Looking Southeast  
(Reference Figure B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

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Photograph No. 23

Date: 6/15/2023

Area B during backfilling.  
Looking South (Reference  
Figure B.2.a.1).

Documentation Photograph Log  
Excavation and Remedial Action  
WM Waste, Inc.  
Union Grove, Wisconsin

Page 24 of 24



Photograph No. 24

Date: 6/15/2023

Area B backfilled looking  
Southeast (Reference Figure  
B.2.a.1)..