nationalgrid

Steven P. Stucker, C.P.G.
Lead Environmental Engineer

March 7, 2024

Ms. Megan Kuczka
Division of Environmental Remediation
NYSDEC, Region 9
700 Delaware Avenue
Buffalo, NY 14209

Re: National Grid Dewey/Kensington Service Center (Site #915144)
PRR – Revision 2

Dear Ms. Kuczka:

Enclosed for your review is the Periodic Review Report (PRR) for the National Grid Dewey/Kensington Service Center Site (Site No. 915144). This report represents the second revision from the original submission, completed on December 1, 2023. Revisions are based on your comments in emails dated January 9, 2024, and February 14, 2024.

The PRR includes information from the period November 1, 2022 – November 1, 2023.

If you have any questions, please feel free to contact me at 315.428.5652.

Sincerely,

for SPS

Steven P. Stucker, C.P.G.
Lead Environmental Engineer

ecc: Lisa Montesano – NG
Devin Shay- Groundwater & Environmental Services, Inc.

300 Erie Boulevard West, C-1
T: 315-428-5652 ■ F: 315-428-3549 ■ steven.stucker@us.ngrid.com ■ www.nationalgrid.com

Periodic Review Report – National Grid Dewey/Kensington Service Center (Site #915144)

Reporting Period – November 01, 2022 to November 01, 2023

I. Introduction

A. **Brief Site Summary** –
The National Grid Dewey/Kensington Service Center Site (#915144) is located in Buffalo, New York. National Grid owns the property and services its customers from the active facility. Service trucks, equipment, and materials are stored and maintained on-site. A mechanic's shop, several administrative buildings, an above ground fuel island, and an employee parking lot are currently located on-site and are part of the service center.

Prior to 1992, the service center also served as a hazardous waste management facility permitted by the New York State Department of Environmental Conservation (NYSDEC) (Part 373 Permit No. 9-1402-00397/00001-0). National Grid stored spent electrical transformers containing polychlorinated biphenyl- (PCB-) laden oil, various solid wastes, and bulk waste oils on-site. Some liquid wastes were stored within underground storage tanks (USTs). The hazardous waste management facility was closed in December 1992, in accordance with a NYSDEC-approved closure plan.

During excavation activities in the mid-1990s, it was discovered that soil and groundwater were contaminated near a UST identified as Solid Waste Management Unit (SWMU) #7. Multiple USTs were subsequently removed, and an investigation including the advancement of soil borings and the installation of groundwater monitoring wells was completed. A remedial action was completed in 2002 and a long-term groundwater monitoring program was implemented.

On October 3, 2011, National Grid received official notification that the site was deleted from the New York State Registry of Inactive Hazardous Waste Disposal Sites (letter from Ms. Kelly Lewandowski, NYSDEC Chief Site Control Section, to Mr. Chuck Willard, NG SIR Director).

On January 25, 2013, the NYSDEC approved a Declaration of Covenants and Restrictions for the site, which acknowledges the Order on Consent and remedy timeline discussed in Section II B below, and restricts future property use to industrial or commercial in nature, which would have to be compatible with any hazardous constituents present at the site.

B. **Remedial Program Effectiveness** – During the reporting period (November 01, 2022, to November 01, 2023), the long-term remedial objectives were met for the site.

C. **Remedial Program Compliance** - The major elements within the Institutional Control/Engineering Control(s) (IC/EC) Plan are in compliance.

D. **Remedial Program Recommendations** - It is recommended that no changes be made to the IC/EC Plan. It is recommended that the Project Review Report (PRR) submittal frequency (annual) remain the same. The next PRR submittal deadline would be December 1, 2024.

II. Site Overview

A. Site Location and Boundaries –

The Dewey/Kensington Service Center is an active National Grid facility, encompasses approximately 21.2 acres, and is generally located within the center of Buffalo, New York in a predominantly residential area (**Figure 1**). To the west are Delaware Park, Canisius College, and Forest Lawn Cemetery; to the east are Fillmore Junior High School and the Erie County Medical Center; immediately to the west are the St. Mary School and Sisters of Charity Hospital; and to the south is a four-lane expressway.

The site is bordered to south by Kensington Avenue and to the north by Dewey Avenue. The New York Central Railroad tracks boarder the site to the east. The expressway runs along the western side of the site.

B. Regulatory History and Remedy Features –

In September 1992, excavation activities at the facility, in the vicinity of Building #13, revealed petroleum-impacted gravel and a broken vent line connected to an underground waste oil tank. The former waste oil tank was removed and four groundwater monitoring wells (ESI-1, ESI-2, ESI-3, and ESI-4) were installed in the vicinity of the former tank to supplement an existing monitoring well (MW-1) and to facilitate periodic groundwater monitoring in this area.

In February 1994, National Grid agreed to conduct a focused Resource Conservation and Recovery Act (RCRA) Facility Assessment- (RFA-) type soil and groundwater investigation, and a Focused Risk Assessment/ Corrective Measures Study (FRA/CMS) to address the concerns identified by the RFA.

During Fall 1994, National Grid conducted soil and groundwater investigation activities in accordance with the NYSDEC-approved *Soil and Groundwater Investigation Work Plan* (1994). These investigations showed the presence of several volatile organic compounds (VOCs) and polychlorinated biphenyls (PCBs) in groundwater at concentrations above NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 – *Ambient Water Quality Standards and Guidance Values* (NYSDEC, 1998, amended 2000). Based on these results, NYSDEC requested implementation of the quarterly groundwater monitoring program proposed in the *SWMU #7 Soil/Groundwater Investigation Report (1994*).

The *SWMU #7 Focused Risk Assessment and Corrective Measures Study Report* (FRA/CMS Report) (1995, revised 1996) concluded that the limited action alternative (i.e., implementing a groundwater monitoring program) would adequately meet the corrective measure objective of mitigating the offsite migration of impacted groundwater. Following the initial submittal of the FRA/CMS Report, a *Groundwater Sampling and Analysis Plan* (SAP) (1996) was submitted to NYSDEC in May 1996. The May 1996 SAP was then revised based upon NYSDEC comments, and the revised SAP for the groundwater monitoring program was presented in the revised FRA/CMS Report dated June 1996.

In November 1997, National Grid entered into a Consent Order with NYSDEC to guide future site monitoring and to establish a framework for implementing additional site investigation or remediation. As mandated in the Consent Order, annual (fall) groundwater monitoring events are conducted at SWMU #7 monitoring wells. The list of wells sampled during each groundwater monitoring event has been modified through time in response to NYSDEC requirements and the results of investigation/evaluation activities, as agreed to by NYSDEC.

The Consent Order specifies that a contingency plan must be implemented to evaluate additional remedial activities if analytical results from monitoring wells located at the property boundary indicate an exceedance of NYSDEC groundwater quality standards presented in TOGS 1.1.1 for two consecutive monitoring events. The monitoring wells designated as property boundary wells have changed, as new monitoring wells have been installed as part of the contingency plan implementation. For example, monitoring wells MW-7 and MW-9 were designated as property boundary wells in the Consent Order. In 1999, the property boundary wells included monitoring wells MW-6, MW-7, MW-11, MW-12, and MW-14. The current property boundary well arrangement includes monitoring wells MW-6, MW-11, MW-12, MW-20, MW-21, and MW-24 (installed spring 2002).

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness

A. **Evaluation of Remedy Performance** - The wells are part of the remedy performance. However, there is no current requirement for a site inspection of the existing facility buildings, fences, or fuel tanks. Based on the well inspections and analytical data, the remedy performance has been effective in protecting facility workers and the public.

IV. IC/EC Plan Compliance Report

A. IC/EC Requirements and Compliance

1. **IC/EC Controls**

   The ICs/ECs included:

   - Semi-annual groundwater monitoring well inspections of the following wells: MW-1, MW-2, MW-5, MW-6, MW-7, MW-9, MW-10, MW-11, MW-12, MW-13, MW-15, MW-16, MW-17, MW-19, MW-20, MW-21, MW-24, MW-25, and ESI-1.
   - Annual groundwater monitoring well sampling and analysis of the following wells: MW-1, MW-6, MW-9, MW-11, MW-12, MW-20, MW-21, MW-24. Wells MW-16 and ESI-1 will be sampled for volatile organic compounds if LNAPL is not detected.

2. **IC/EC Goals -** Each goal is being met and/or working effectively.

3. **IC/EC Corrective Measures –** No deficiencies were noted during the semi-annual inspections, or during the inspection completed during the June 2023 monitoring event.

4. **IC/EC Conclusions/Recommendations –** The program is in compliance and there are no recommendations at this time. During the June 2023 monitoring event, NYSDEC AWQS for PCBs were exceeded in the samples collected at wells MW-1 and MW-9. All monitoring wells downgradient of MW-1 and MW-9 that were sampled (MW-6, MW-11, MW-12, MW-20, MW-21, and MW-24) exhibited concentrations below laboratory detection limits for PCBs.

B. IC/EC Certification – Refer to PRR Form - **Attachment 1**, for the certification.

V. Monitoring Plan Compliance Report – The Annual Monitoring Report will be submitted to the NYSDEC by November 30, 2024.

VI. Operation & Maintenance (O&M) Plan Compliance Report - Not Applicable

VII. Overall PRR Conclusions and Recommendations

A. Compliance with Site Management Plan (SMP)

1. **Requirements -** All IC/EC Plan requirements were met during this reporting period.

2. **Exposure Pathways –** There are no new completed exposure pathways resulting in unacceptable risk.

3. **Proposed Plans and Schedule to Meet Compliance –** No plan proposed.

B. Performance and Effectiveness of the Remedy – The remedy as described by the Consent Order and executed by National Grid has been effective in meeting the program goals.

C. Future PRR Submittals – The frequency of PRR Submittals should remain annual. Therefore, the next PRR submittal deadline will be December 1, 2024.

VIII. Additional Guidance – Additional relevant activities conducted at the site during the reporting period covered under this PRR include Solid Waste Management Unit (SWMU) assessment efforts for the storage yard area located northeast of the warehouse building (DK-21) and excavation activities to support the repair of a damaged water line located south of Building 2 (DK-2).

A. SWMU Assessment

As summarized in the 2022 PRR, National Grid is completing site characterization activities to evaluate the horizontal and vertical extent of PCB-impact soil in the area northeast of building DK-21. National Grid completed eight (8) additional soil borings at the site during the week of December 19, 2022 in accordance with a Supplemental SWMU Assessment Work Plan that was approved by the NYSDEC on August 5, 2022. Manifests for investigation derived waste generated by the supplemental SWMU assessment activities are included in **Attachment 3**.

Results for the SWMU assessment activities completed to date (shown on **Figures 2 and 3**), National Grid's approach for implementing corrective measures, and proposed Pre-Design Investigation (PDI) activities for the DK-21 storage yard area are summarized in a SWMU Assessment Report that was submitted to the NYSDEC on October 6, 2023. The SWMU Assessment report was approved in an October 11, 2023 letter from the NYSDEC to National Grid. National Grid plans implement PDI activities, including a gamma walkover survey (GWS) and completion of 12 additional soil borings (shown on **Figure 4**) during January 2024. Results for the GWS, PDI soil borings, air monitoring results conducted in accordance with the Community Air Monitoring Plan (CAMP) will be included in a PDI Report that will be submitted to the NYSDEC.

B. Water Line Repair

Soil excavation was necessary to repair a damaged subsurface water line south of Building 2 (DK-2) (**Figure 5**). NYSDEC was notified of excavation activities on August 15, 2023, via email

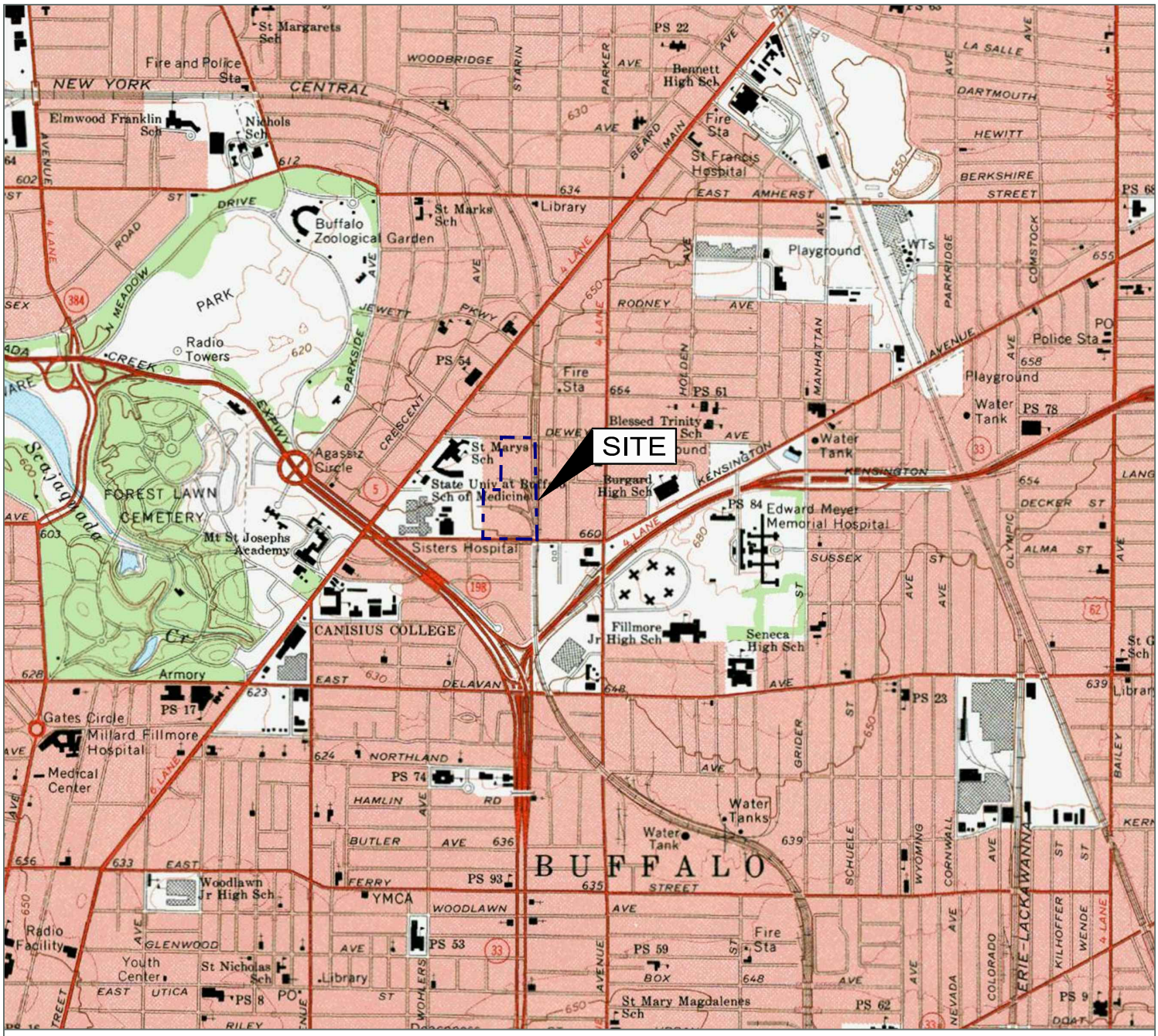
and verification was confirmed by Megan Kuczka (Environmental Program Specialist 1, Division of Environmental Remediation). Work was initiated on August 16, 2023, generating approximately 125 tons of waste. Two Requests to Import/Reuse Fill or Soil were submitted to NYSDEC and approved on August 18, 2023. The approval letter associated documentation is included in **Attachment 4**.

The excavated material was containerized and staged onsite. A waste characterization sample of the stockpiled material was collected on August 28, 2023 and indicated the presence of PCBs in the waste at a concentration of 4.32 mg/kg. The analytical data report is included in **Attachment 5**. The waste was shipped to the US Ecology Wayne Disposal facility in Belleville, Michigan between September 19, 2023, and October 13, 2023. Manifests and Certificates of Disposal for waste generated by the excavation activities are included in **Attachment 6**.

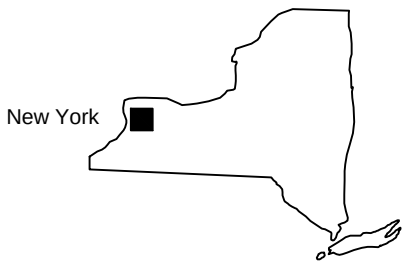
C. Soil Sampling for Station 162 Expansion

National Grid directed the completion of 4 soil borings on December 21, 2022 (**Figure 6**), for the purpose of characterizing the soil to be excavated as part of the planned expansion of Station 162. Four composite soil samples were collected and the laboratory analytical report is included as **Attachment 7**.

Figures



SOURCE:
USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE , 1965
Buffalo NE, New York
CONTOUR INTERVAL = 10'



QUADRANGLE LOCATION

Site Location Map

National Grid
Dewey Avenue Service Center
93 Dewey Avenue
Buffalo, New York

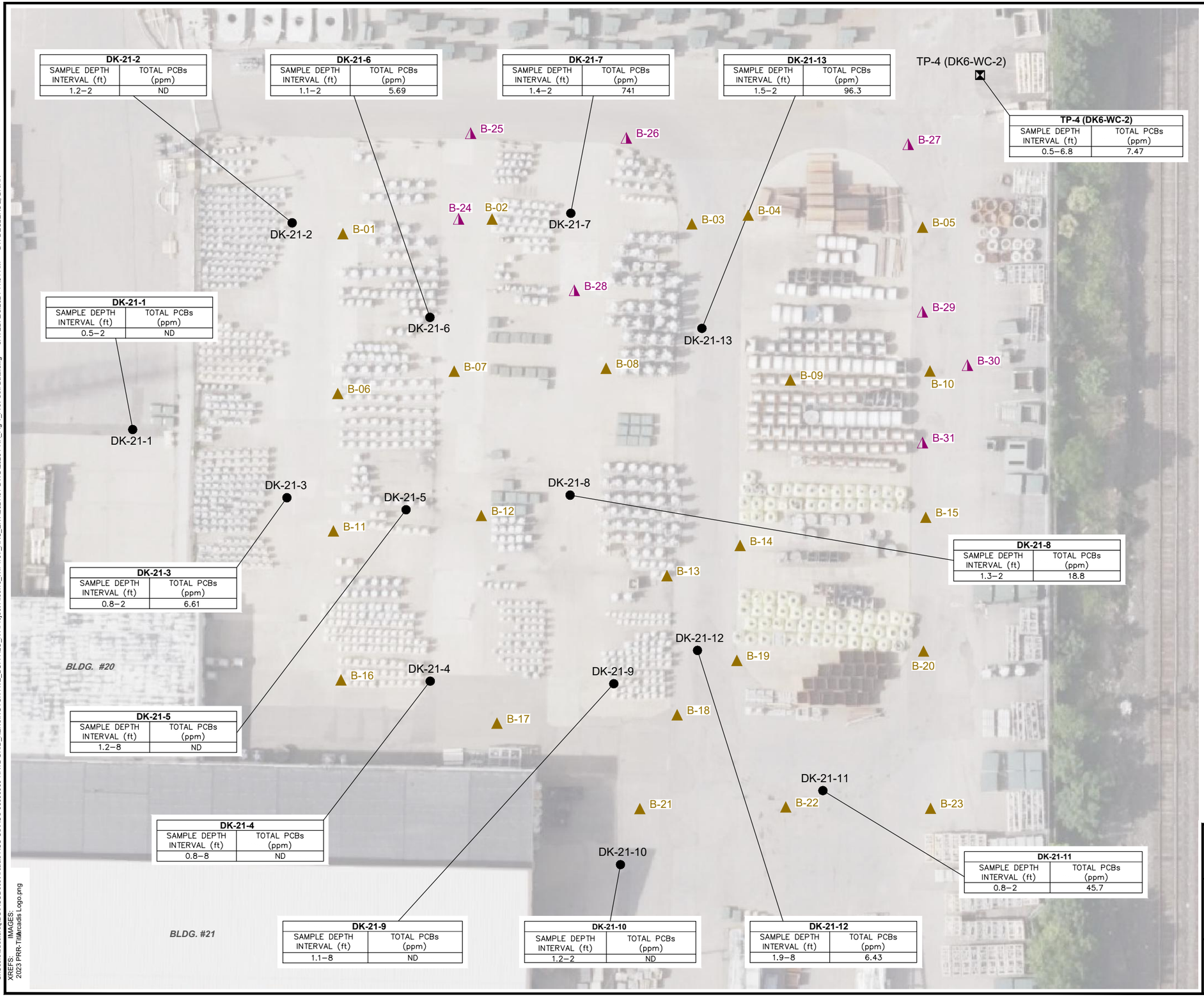
Drawn W.G.S.
Designed
Approved

Date 2-28-18
Figure 1

Scale In Feet
0 2000

Groundwater & Environmental Services, Inc.

M:\Graphics\0600-Syracuse\Misc\National Grid\Buffalo (Dewey ave)\Buffalo (dewey ave) SLM.dwg, Template A, WShea



LEGEND:

- EXISTING SOIL SAMPLING LOCATION (MARCH 2021)
- EXISTING TEST PIT (OCTOBER 2020)
- NG KENSINGTON BORING LOCATION (FEBRUARY 2022)
- NG KENSINGTON BORING LOCATION (DECEMBER 2022)

NOTES:

1. SOIL PROBE LOCATIONS ARE APPROXIMATE.
2. IMAGERY OBTAINED FROM © 2023 MICROSOFT CORPORATION © 2023 MAXAR © CNES (2023) DISTRIBUTION AIRBUS DS © 2023 TOM TOM.
2, ND = NOT DETECTED.
4. ppm = PARTS PER MILLION.
5. EXISTING SOIL SAMPLES DK-21-1 THROUGH DK-21-13 COLLECTED IN MARCH 2021 BY GZA GEOENVIRONMENTAL SERVICES OF N.Y.
6. EXISTING SOIL SAMPLE DK-6 TEST PIT (TP-4) COLLECTED IN OCTOBER 2020 BY GZA GEOENVIRONMENTAL SERVICES OF N.Y.

0 30' 60'

GRAPHIC SCALE

NATIONAL GRID DEWEY/KENSINGTON SERVICE CENTER
CITY OF BUFFALO, ERIE COUNTY, NEW YORK
2023 PERIODIC REVIEW REPORT

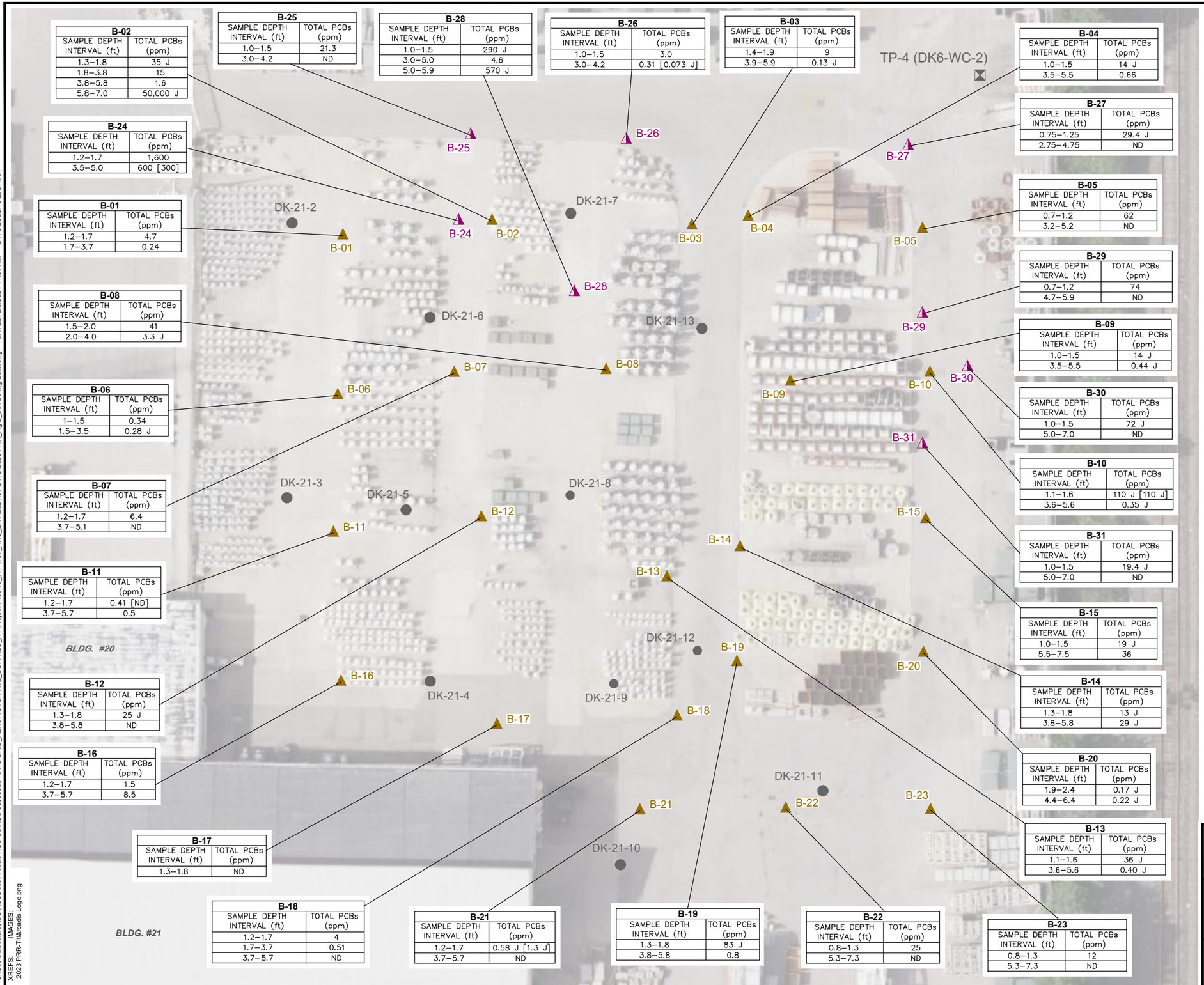
PREVIOUS SOIL ANALYTICAL DATA

ARCADIS

FIGURE 2

C:\Users\bdeclercq\DC\ACCDocs\Arcadis ACC US\AUS-99999999-NATL GRID_KENSINGTON AVE_BUFFALO_NY\Project Files\10_WIP\10T_ARC_ENV\2024101-DWG\2023 PRR_Fig 1_Prev Soil Data.dwg SAVED: 2/8/2024 11:31 AM BY: DECLERCQ, BRIAN

XREFS: IMAGES: 2023 PRR-Title Arcadis Logo.png



LEGEND:

- EXISTING SOIL SAMPLING LOCATION (MARCH 2021)
- EXISTING TEST PIT (OCTOBER 2020)
- NG KENSINGTON BORING LOCATION (FEBRUARY 2022)
- NG KENSINGTON BORING LOCATION (DECEMBER 2022)

NOTES:

1. IMAGERY OBTAINED FROM © 2023 MICROSOFT CORPORATION © 2023 MAXAR © CNES (2023) DISTRIBUTION AIRBUS DS © 2023 TOM TOM.
2. PROPOSED SOIL BORING LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD BASED ON FIELD CONDITIONS.
3. ND = NOT DETECTED.
4. ppm = PARTS PER MILLION.
5. J = INDICATES AN ESTIMATED VALUE.
6. BRACKETED VALUES INDICATE BLIND DUPLICATE SAMPLE RESULTS.

0 30' 60'

GRAPHIC SCALE

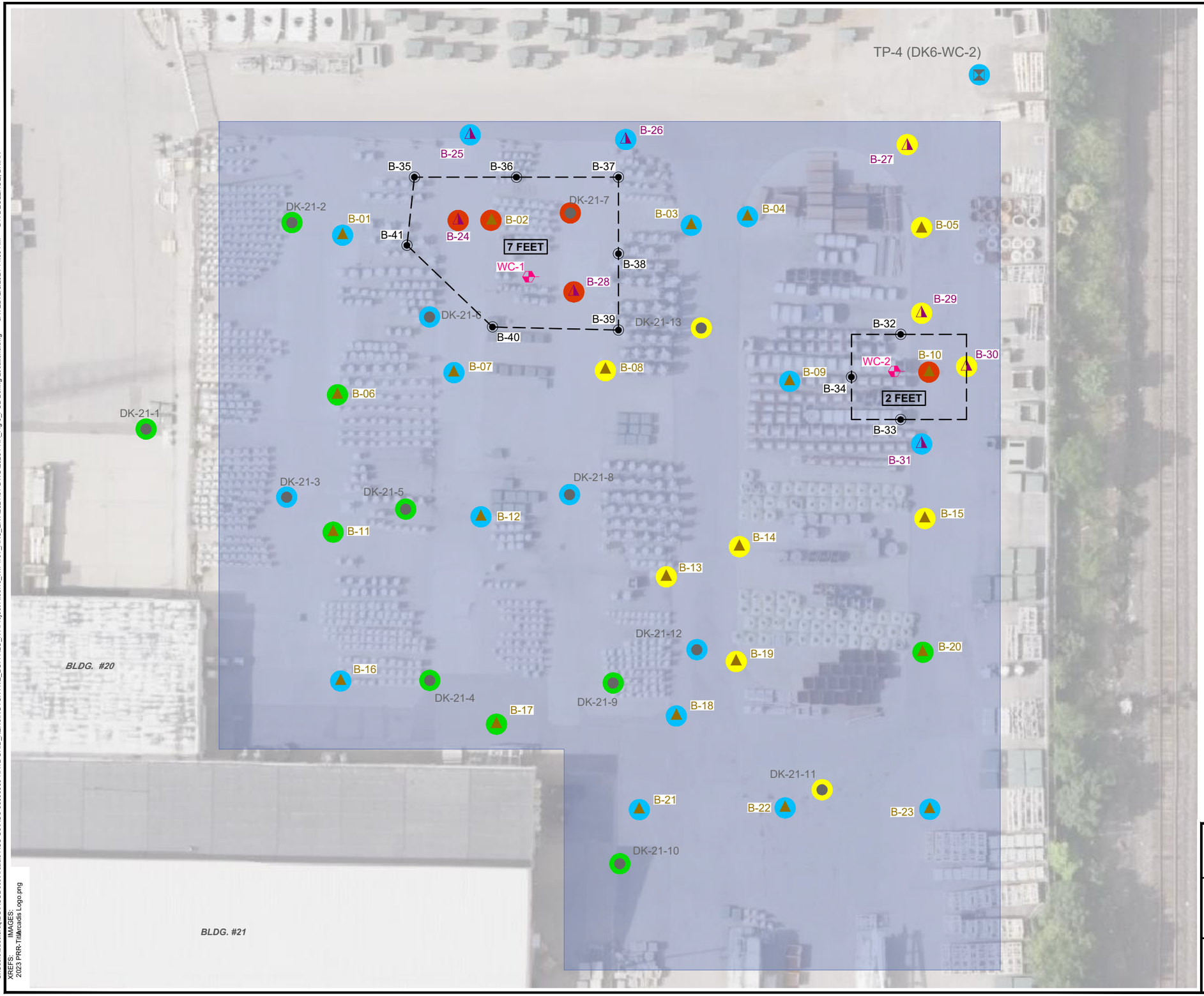
NATIONAL GRID DEWEY/KENSINGTON SERVICE CENTER
CITY OF BUFFALO, ERIE COUNTY, NEW YORK
2023 PERIODIC REVIEW REPORT

SOIL BORING DATA

ARCADIS

FIGURE 3

C:\Users\bdeclercq1DC\ACCDocs\Arcadis ACC US\AUS-99999999-NATL GRID_KENSINGTON AVE_BUFFALO_NY\Project Files\10_WIP\10T_ARC_ENV\20240101-DWG\2023 PRR_Fig 2_Soil Boring Data.dwg SAVED: 2/8/2024 11:31 AM BY: DECLERCQ, BRIAN
XREFS: IMAGES: 2023 PRR-Title Arcadis Logo.png



LEGEND:

- EXISTING SOIL SAMPLING LOCATION (MARCH 2021)
- EXISTING TEST PIT (OCTOBER 2020)
- NG KENSINGTON BORING LOCATION (FEBRUARY 2022)
- NG KENSINGTON BORING LOCATION (DECEMBER 2022)
- PROPOSED BORING LOCATION
- PROPOSED WASTE CHARACTERIZATION SAMPLE LOCATION
- < 1 PPM = GREEN
- > 1 PPM TO < 25 PPM = BLUE
- > 25 PPM TO < 100 PPM = YELLOW
- > 100 PPM = RED
- PROPOSED EXCAVATION AREA
- 2 FEET — PROPOSED EXCAVATION DEPTH
- BACKGROUND GAMMA SURVEY AREA

NOTES:

1. IMAGERY OBTAINED FROM © 2023 MICROSOFT CORPORATION © 2023 MAXAR © CNES (2023) DISTRIBUTION AIRBUS DS © 2023 TOM TOM.
2. PROPOSED SOIL BORING LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD BASED ON FIELD CONDITIONS.

0 30' 60'

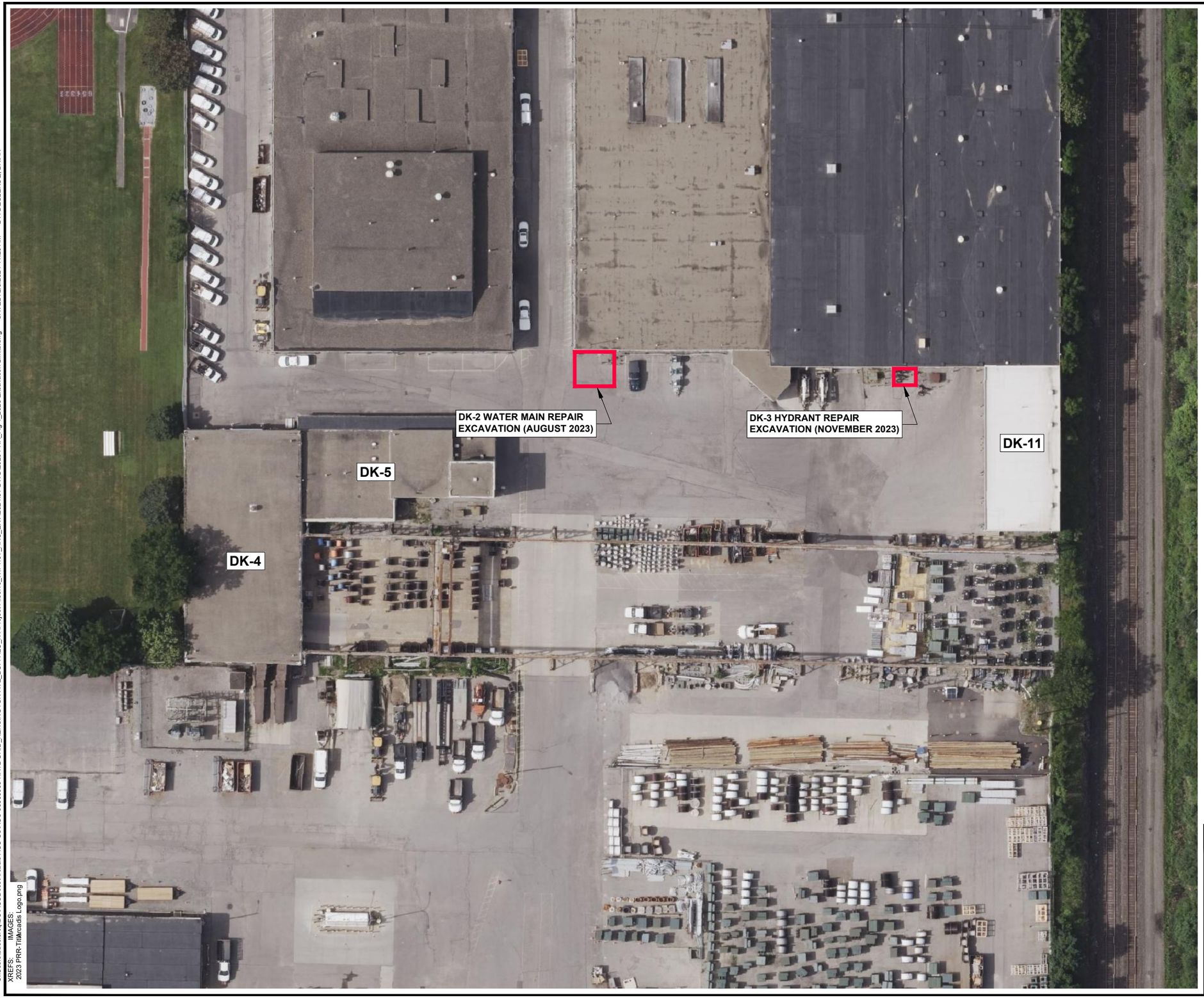
GRAPHIC SCALE

NATIONAL GRID DEWEY/KENSINGTON SERVICE CENTER
CITY OF BUFFALO, ERIE COUNTY, NEW YORK
2023 PERIODIC REVIEW REPORT

PCB DISTRIBUTION

ARCADIS

FIGURE
4



LEGEND:

2023 EXCAVATION LIMITS

0 60' 120'

GRAPHIC SCALE

NATIONAL GRID DEWEY/KENSINGTON SERVICE CENTER
CITY OF BUFFALO, ERIE COUNTY, NEW YORK
2023 PERIODIC REVIEW REPORT

2023 EXCAVATION LIMITS

ARCADIS

FIGURE
5

C:\Users\bdeclerq1\DC\ACCDocs\Arcadis ACC US\AUS-99999999-NATL GRID_KENSINGTON AVE_BUFFALO_NY\Project Files\10_WIP\10T_ARC_ENV\2024\01-DWG\2023 PRR_Fig 4_2023 Excavation Limits.dwg SAVED: 2/8/2024 11:26 AM BY: DECLERCQ, BRIAN

XREFS: IMAGES:
2023 PRR-Title Arcadis Logo.png

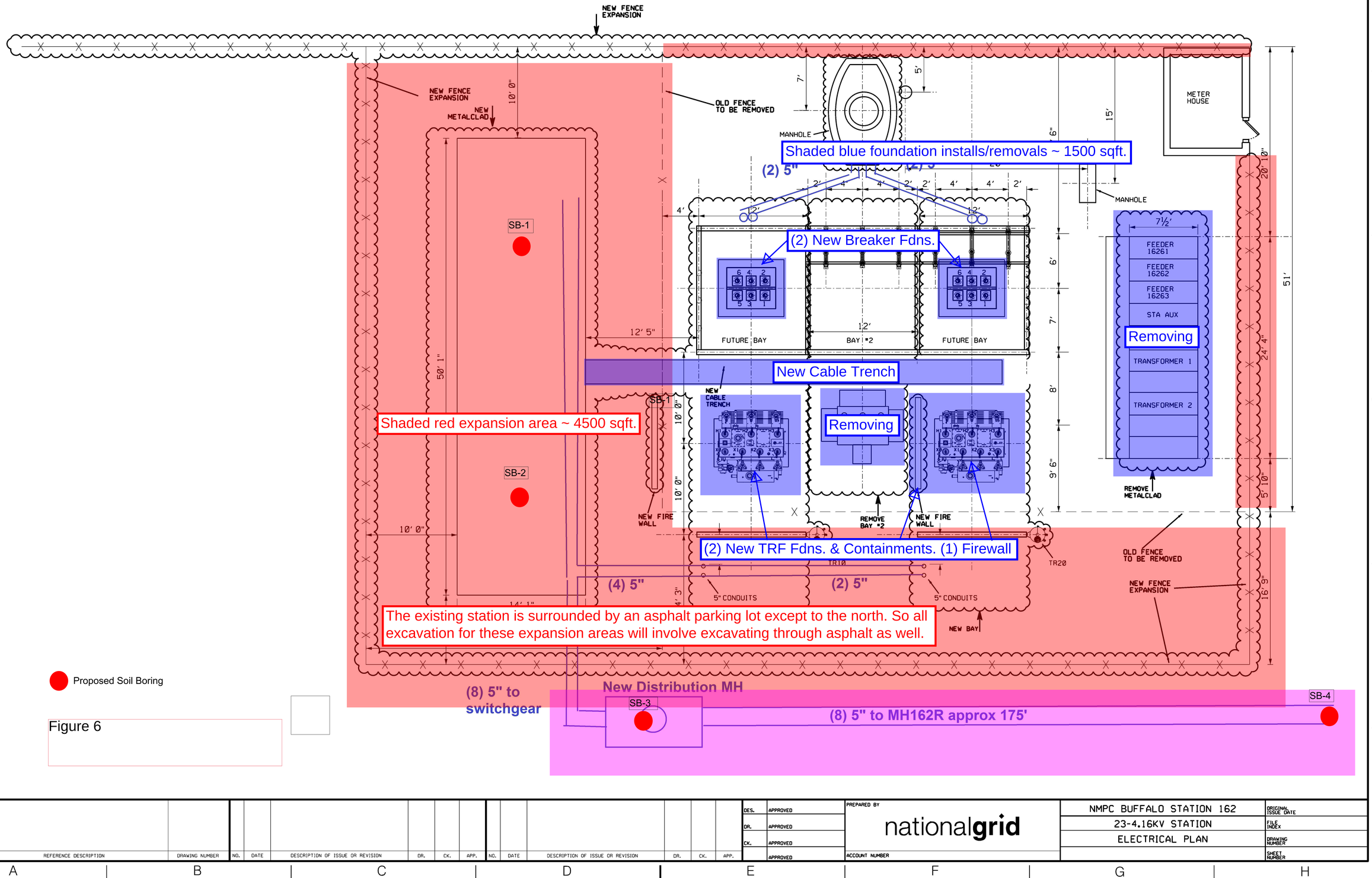


Figure 6

REFERENCE DESCRIPTION	DRAWING NUMBER

NO.	DATE	DESCRIPTION OF ISSUE OR REVISION	DR.	CK.	APP.

NO.	DATE	DESCRIPTION OF ISSUE OR REVISION	DR.	CK.	APP.

DES.	APPROVED
DR.	APPROVED
CK.	APPROVED
	APPROVED

PREPARED BY
nationalgrid
ACCOUNT NUMBER

NMPC BUFFALO STATION 162	ORIGINAL ISSUE DATE
23-4.16KV STATION	FILE INDEX
ELECTRICAL PLAN	DRAWING NUMBER
	SHEET NUMBER

Attachment 1 – PRR Checklist

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 915144

Site Name Niagara Mohawk Dewey Ave. Service Sta.

Site Address: 144 Kensington Avenue Zip Code: 14214
City/Town: Buffalo
County: Erie
Site Acreage: 21.200

Reporting Period: November 01, 2022 to November 01, 2023

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 915144 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
89.16-1-2	National Grid	Monitoring Plan O&M Plan
89.16-1-6	National Grid	Monitoring Plan O&M Plan

Box 4

Description of Engineering Controls

None Required

Not Applicable/No EC's

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
X	

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

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

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

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

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

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

YES	NO
X	

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 915144

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Gerald Cresap, PE (print name) at 6780 Northern Blvd., Suite 100, East Syracuse, NY (print business address),

am certifying as agent for National Grid (Owner or Remedial Party)

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

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

3-6-2024
Date

STATE OF NEW YORK
GERALD H. CRESAP, JR.
087401
LICENSED PROFESSIONAL ENGINEER

Attachment 2 – Inspections

Site Inspection Form
Dewey Ave Service Center
144 Kensington Ave
Buffalo, New York

Date: 3/21/2023
Technician: TB
Time: 9:25
Weather: Partly Cloudy 45

Site Wide Inspection			
Have there been any changes to the property since the last inspection?	YES	NO	COMMENTS:
Evidence of excavation or trenching since last inspection?	YES	NO	COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
ESI-1	YES	NO
MW-1	YES	NO
MW-2	YES	NO
MW-5	YES	NO
MW-6	YES	NO
MW-7	YES	NO
MW-9	YES	NO
MW-10	YES	NO
MW-11	YES	NO
MW-12	YES	NO

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-13	YES	NO
MW-15	YES	NO
MW-16	YES	NO
MW-17	YES	NO
MW-19	YES	NO
MW-20	YES	NO
MW-21	YES	NO
MW-24	YES	NO
MW-25	YES	NO

General Comments/Suggested Action items:

Manways MW-20, MW-21 and MW-24 that were replaced in June 2022 looked good. MW-6 is secure but the concrete pad is cra

Site Inspection Form
Dewey Ave Service Center
144 Kensington Ave
Buffalo, New York

Date: 6/13/2023
Technician: TB
Time: 14:00
Weather: Partly Sunny 60

Site Wide Inspection			
Have there been any changes to the property since the last inspection?	YES	NO	COMMENTS:
Evidence of excavation or trenching since last inspection?	YES	NO	COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
ESI-1	YES	NO
MW-1	YES	NO
MW-2	YES	NO
MW-5	YES	NO
MW-6	YES	NO
MW-7	YES	NO
MW-9	YES	NO
MW-10	YES	NO
MW-11	YES	NO
MW-12	YES	NO

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-13	YES	NO
MW-15	YES	NO
MW-16	YES	NO
MW-17	YES	NO
MW-19	YES	NO
MW-20	YES	NO
MW-21	YES	NO
MW-24	YES	NO
MW-25	YES	NO

General Comments/Suggested Action items:

Manways MW-20, MW-21 and MW-24 that were replaced in June 2022 looked good.
Manways MW-6 and MW-25 are secure but the concrete pads are cracked.

Site Inspection Form
Dewey Ave Service Center
144 Kensington Ave
Buffalo, New York

Date: 9/28/2023
Technician: TB
Time: 10:20
Weather: Partly Cloudy 64

Site Wide Inspection			
Have there been any changes to the property since the last inspection?	YES	NO	COMMENTS:
Evidence of excavation or trenching since last inspection?	YES	NO	COMMENTS: Water line repair by Bld 2

Site Monitoring Wells		
Well ID.	***Location Secure***	
ESI-1	YES	NO
MW-1	YES	NO
MW-2	YES	NO
MW-5	YES	NO
MW-6	YES	NO
MW-7	YES	NO
MW-9	YES	NO
MW-10	YES	NO
MW-11	YES	NO
MW-12	YES	NO

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-13	YES	NO
MW-15	YES	NO
MW-16	YES	NO
MW-17	YES	NO
MW-19	YES	NO
MW-20	YES	NO
MW-21	YES	NO
MW-24	YES	NO
MW-25	YES	NO

General Comments/Suggested Action items:

Manways MW-20, MW-21 and MW-24 that were replaced in June 2022 looked good.
Manways MW-6 and MW-25 are secure but the concrete pads are cracked.

Attachment 3 – Waste Manifests from SWMU Assessment

D144465 BA6043

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD 000 ~~073~~ 390 730	1	(800) 424-9300	021523143 JJK

GENERATOR

5. Generator's Name and Mailing Address (AM)
Niagara Mohawk Power Corporation
300 Erie Blvd. West, Syracuse, NY 13202
Generator's Phone: (315) 247-6490 Att: Steve Stucker

Generator's Site Address (if different than mailing address)
SIR Site - 144 Kensington Ave., Buffalo, NY 14214

6. Transporter 1 Company Name
Sun Environmental Corporation
U.S. EPA ID Number: NYR 000 176 958

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Cycle Chem, Inc.
550 Industrial Dr., Lewisberry, PA 17339
Facility's Phone: 717-938-4700
U.S. EPA ID Number: PAD 067 098 822

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN3432, Polychlorinated Biphenyls, Solid, 9, PG III (PCB Solids > 500 ppm)	2	DM	505	K	B007	L	
X	2. RQ, UN2315, Polychlorinated Biphenyls, Liquid, 9, PG III (PCB Liquid > 500 ppm)	1	DM	41	K	B003	B	
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Unique ID #31431 31432 31433
1: App/Profile: 186029-PCB2 (TSCA solid >500ppm) ERG171 "Out of service date: 12/19/22 Container Size: 2 x 55g
2: App/Profile: 186031-TWI22 (TSCA water over 500 ppm) ERG171 "Out of service date: ~~12/20/22~~ 12/19/22 Container Size: 55g
EMERGENCY RESPONSE INFORMATION: CHEMTREC (800) 424-9300 Generator # 33698 CESI -MSCI
HAZ-454

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: ROBERT W. NOTARO ON BEHALF OF | Signature | Month 1 | Day 17 | Year 23

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: John Powers | Signature | Month 1 | Day 17 | Year 23
Transporter 2 Printed/Typed Name: | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ 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.
H141	H141		

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: Ashley Little | Signature | Month 01 | Day 19 | Year 23

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM FOR NEW YORK STATE REGULATED PCB WASTES

This form is required for wastes containing 50 ppm PCBs or greater. The profiled waste on the manifest number indicated below is listed hazardous waste (B-Coded) in NY State. Note: 50-499 ppm PCB drained articles and small capacitors (as defined in 40CFR 761.3) are not regulated by NY State. Please complete items 1- 9 and send with ALL shipments of waste.

1)	Generator Name : **Niagara Mohawk Power Corp (d.b.a., National Grid)**		
2)	Generator Location Name: SIR Site - 144 Kensington Ave., Buffalo, NY 14214		
3)	Manifest No.: 021523143JJK	**4)** Profile/Approval No.:	186029-PCB2

5) Please check *all* boxes that apply.

NYS WASTE CODE		IDENTIFY SPECIFIC TYPE OF PCB WASTE CHECK PROPER BOXES							
B001		Concentrated PCB Oil							
B002		Oil/liquid 50-499 ppm PCBs							
B003		Oil/liquid 500 ppm or greater PCBs							
Manufactured PCB Articles (50-499 ppm):									
B004		Transformers		Motors		Switches		Cable	
		Pipe		Lg. Capacitors		Bushings		Pumps	
		Other (specify):							
Manufactured PCB Articles (other than transformers) 500 ppm or greater:									
B005		Motors		Switches		Cable		Pumps	
		Lg. Capacitors		Bushings		Pipe			
		Other (specify):							
B006		PCB Transformers 500 ppm or greater							
Other PCB Wastes:									
B007	X	Soil		Sludge		Clothing		Rags	
		Wood	X	PPE		Coal Tar	X	Other (Specify): Plastic	

6.) Check *one* box as appropriate:

CERTIFICATION - WASTE MEETS LAND DISPOSAL TREATMENT STANDARDS

☐ I am the generator of the waste as identified above, that is restricted under 6 NYCRR Part 376. I have determined that this waste meets all applicable treatment standards set forth in 6 NYCRR 376 and, therefore, it can be landfilled without further treatment. Waste does not include solidified B002 material (liquid with PCBs 50-500 ppm).

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 6 NYCRR Part 376, Section 376.4, and all applicable prohibitions set forth in 376.3(b) of Part 376 or RCRA section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

NOTIFICATION - WASTE DOES NOT MEET LAND DISPOSAL TREATMENT STANDARDS

☒ I am the generator of a waste restricted under 6 NYCRR Part 376 as identified above. I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment Standards specified in 6 NYCRR Part 376.4(f). This waste must be treated to the applicable standards set forth in 6 NYCRR 376.4(f) prior to land disposal.

7.) Signature: [signature]

8.) Title: Supervisor Joshua Barrett **9.) Date:** 1-17-23

ND DISPOSAL RESTRICTION NOTIFICATION
ND CERTIFICATION FORM
OR NEW YORK STATE REGULATED PCB WASTES

r m ls required for wastes containing 50 ppm PCBs or greater. The profiled waste on the manifest number indicated below d hazardous waste (B-Coded) in NY State. Note: 50-499 ppm PCB drained articles and small capacitors (as defined in 40CFR 761.3) are not regulated Y State. Please complete items 1- 9 and send with ALL shipments of waste.

1)	Generator Name : **Niagara Mohawk Power Corp (d.b.a., National Grid)**		
2)	Generator Location Name: SIR Site - 144 Kensington Ave., Buffalo, NY 14214		
3)	Manifest No.: 021523143JJK	**4)** Profile/Approval No.:	186031-TWI22

5) Please check *all* boxes that apply.

NYS WASTE CODE		IDENTIFY SPECIFIC TYPE OF PCB WASTE CHECK PROPER BOXES							
B001		Concentrated PCB Oil							
B002		Oil/liquid 50-499 ppm PCBs							
B003	X	Oil/liquid 500 ppm or greater PCBs							
Manufactured PCB Articles (50-499 ppm):									
B004		Transformers		Motors		Switches		Cable	
		Pipe		Lg. Capacitors		Bushings		Pumps	
		Other (specify):							
Manufactured PCB Articles (other than transformers) 500 ppm or greater:									
B005		Motors		Switches		Cable		Pumps	
		Lg. Capacitors		Bushings		Pipe			
		Other (specify):							
B006		PCB Transformers 500 ppm or greater							
Other PCB Wastes:									
B007		Soil		Sludge		Clothing		Rags	
		Wood		PPE		Coal Tar		Other (Specify):	

6.) Check *one* box as appropriate:

CERTIFICATION - WASTE MEETS LAND DISPOSAL TREATMENT STANDARDS

☐ I am the generator of the waste as identified above, that is restricted under 6 NYCRR Part 376. I have determined that this waste meets all applicable treatment standards set forth in 6 NYCRR 376 and, therefore, it can be landfilled without further treatment. Waste does not include solidified B002 material (liquid with PCBs 50-500 ppm).

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 6 NYCRR Part 376, Section 376.4, and all applicable prohibitions set forth in 376.3(b) of Part 376 or RCRA section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

NOTIFICATION - WASTE DOES NOT MEET LAND DISPOSAL TREATMENT STANDARDS

☒ I am the generator of a waste restricted under 6 NYCRR Part 376 as identified above. I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment Standards specified in 6 NYCRR Part 376.4(f). This waste must be treated to the applicable standards set forth in 6 NYCRR 376.4(f) prior to land disposal.

7.) Signature: [signature]

8.) Title: On Behalf Generators, Joshua Bennett **9.) Date:** 1-17-23

NIAGARA MOHAWK POWER CORPORATION
PCB WASTE CONTINUATION SHEET

FACILITY ADDRESS:	SIR Site - 144 Kensington Ave., Buffalo, NY 14214				
EPA IDENTIFICATION NO.	NYD 000 073 390				
APPROVAL / PROFILE NO.	186029-PCB2 & 186031-TWI22	PAGE	1	OF	1
SIGNATURE OF GENERATOR:		SIGNATURE DATE:	1-17-23		

MANIFEST NO.	UNIT TYPE	MATERIAL TYPE	TSCA DESCRIPTION	GENERATOR UNIQUE ID No. OR SERIAL No.	MANIFEST LINE No.	QUANTITY	UNITS	PCB Conc. RANGE (ppm)	DOCK WEIGHT (KG)	OUT OF SERVICE DATE	DATE OFFSITE FOR STORAGE / DISPOSAL
021523143 JJK	DM	PCB Solid	PCB CONTAINER	3143-1	96.1	1	K	>500	151	12/19/22	1/17/23
021523143 JJK	DM	PCB Solid	PCB CONTAINER	3143-2	96.1	1	K	>500	254	12/19/22	1/17/23
021523143 JJK	DM	PCB Liquid	PCB CONTAINER	3143-3	96.2	1	K	>500	41	12/19/22	1/17/23

nationalgrid

D114106 S BAF230

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD 000 730 390	1	(800) 424-9300	022662738 JJK

GENERATOR

5. Generator's Name and Mailing Address
Niagara Mohawk Power Corporation
300 Erie Blvd. West, Syracuse, NY 13202
Generator's Phone: (315) 247-6490 Att: Steve Stucker

Generator's Site Address (if different than mailing address)
SIR Site - 93 Dewey Ave., Buffalo, NY 14214

6. Transporter 1 Company Name: Sun Environmental Corporation — U.S. EPA ID Number: NYR 000 176 958

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Cycle Chem, Inc.
550 Industrial Dr., Lewisberry, PA 17339
Facility's Phone: 717-938-4700
U.S. EPA ID Number: PAD 067 098 822

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN3432, Polychlorinated Biphenyls, Solid, 9, PG III (PCB Solids > 500 ppm)	2	DM	547	K	B007	L	
X	2. RQ, UN2315, Polychlorinated Biphenyls, Liquid, 9, PG III (PCB Liquid > 500 ppm)	1	DM	24	K	B003	B	
	3.							
	4.							

14. Special Handling Instructions and Additional Information (CONTAINER ID - 2738-1, 2738-2, 2738-3)
1: App/Profile: 186029-PCB2 (TSCA solid >500ppm) ERG171 "Out of service date:" 3/3/22 Container Size: 55 gal.
2: App/Profile: 186031-TW22 (TSCA water over 500 ppm) ERG171 "Out of service date:" 3/3/22 Container Size: 55 gal
EMERGENCY RESPONSE INFORMATION: CHEMTREC (800) 424-9300 HA2-3643 Generator # 33698 CESI -MSCI

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: Sean Smyth — Signature: [signature] — Month 3 Day 28 Year 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: William L Downing II — Signature: [signature] — Month 3 Day 28 Year 22

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ 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.
H141	H141		

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: Ari Flynn — Signature: [signature] — Month 4 Day 1 Year 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM FOR NEW YORK STATE REGULATED PCB WASTES

This form is required for wastes containing 50 ppm PCBs or greater. The profiled waste on the manifest number indicated below is listed hazardous waste (B-Coded) in NY State. Note : 50-499 ppm PCB drained articles and small capacitors (as defined in 40CFR 761.3) are not regulated by NY State. Please complete items 1- 9 and send with ALL shipments of waste.

1)	Generator Name : **Niagara Mohawk Power Corp (d.b.a., National Grid)**		
2)	Generator Location Name: SIR Site 93 Dewey Ave., Buffalo NY 14214		
3)	Manifest No.: 022662738 JJK	4) Profile/Approval No.:	186029-PCB2

5) Please check *all* boxes that apply.

NYS WASTE CODE		IDENTIFY SPECIFIC TYPE OF PCB WASTE CHECK PROPER BOXES							
B001		Concentrated PCB Oil							
B002		Oil/liquid 50-499 ppm PCBs							
B003		Oil/liquid 500 ppm or greater PCBs							
Manufactured PCB Articles (50-499 ppm):									
B004		Transformers		Motors		Switches		Cable	
		Pipe		Lg. Capacitors		Bushings		Pumps	
		Other (specify):							
Manufactured PCB Articles (other than transformers) 500 ppm or greater:									
B005		Motors		Switches		Cable		Pumps	
		Lg. Capacitors		Bushings		Pipe			
		Other (specify):							
B006		PCB Transformers 500 ppm or greater							
Other PCB Wastes:									
B007	X	Soil		Sludge		Clothing		Rags	
		Wood	X	PPE		Coal Tar	X	Other (Specify): plastic	

6.) Check *one* box as appropriate:

CERTIFICATION - WASTE MEETS LAND DISPOSAL TREATMENT STANDARDS

☐ I am the generator of the waste as identified above, that is restricted under 6 NYCRR Part 376. I have determined that this waste meets all applicable treatment standards set forth in 6 NYCRR 376 and, therefore, it can be landfilled without further treatment. Waste does not include solidified B002 material (liquid with PCBs 50-500 ppm).

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 6 NYCRR Part 376, Section 376.4, and all applicable prohibitions set forth in 376.3(b) of Part 376 or RCRA section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

NOTIFICATION - WASTE DOES NOT MEET LAND DISPOSAL TREATMENT STANDARDS

☒ I am the generator of a waste restricted under 6 NYCRR Part 376 as identified above. I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment Standards specified in 6 NYCRR Part 376.4(f). This waste must be treated to the applicable standards set forth in 6 NYCRR 376.4(f) prior to land disposal.

7.) Signature: S Scott

8.) Title: Agent for NMO **9.) Date:** 3/28/2022

LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM FOR NEW YORK STATE REGULATED PCB WASTES

This fo r m is required for wastes containing 50 ppm PCBs or greater. The profiled waste on the manifest number indicated below is listed hazardous waste (B-Coded) in NY State. Note : 50-499 ppm PCB drained articles and small capacitors (as defined in 40CFR 761.3) are not regulated by NY State. Please complete items 1- 9 and send with ALL shipments of waste.

1)	Generator Name : **Niagara Mohawk Power Corp (d.b.a., National Grid)**		
2)	Generator Location Name: SIR Site 93 Dewey Ave., Buffalo NY 14214		
3)	Manifest No.: 022662738 JJK	**4)** Profile/Approval No.:	186031-TWI22

5) Please check *all* boxes that apply.

NYS WASTE CODE		IDENTIFY SPECIFIC TYPE OF PCB WASTE CHECK PROPER BOXES							
B001		Concentrated PCB Oil							
B002		Oil/liquid 50-499 ppm PCBs							
B003	X	Oil/liquid 500 ppm or greater PCBs							
Manufactured PCB Articles (50-499 ppm):									
B004		Transformers		Motors		Switches		Cable	
		Pipe		Lg. Capacitors		Bushings		Pumps	
		Other (specify):							
Manufactured PCB Articles (other than transformers) 500 ppm or greater:									
B005		Motors		Switches		Cable		Pumps	
		Lg. Capacitors		Bushings		Pipe			
		Other (specify):							
B006		PCB Transformers 500 ppm or greater							
Other PCB Wastes:									
B007		Soil		Sludge		Clothing		Rags	
		Wood		PPE		Coal Tar		Other (Specify):	

6.) Check *one* box as appropriate:

CERTIFICATION - WASTE MEETS LAND DISPOSAL TREATMENT STANDARDS

☐ I am the generator of the waste as identified above, that is restricted under 6 NYCRR Part 376. I have determined that this waste meets all applicable treatment standards set forth in 6 NYCRR 376 and, therefore, it can be landfilled without further treatment. Waste does not include solidified B002 material (liquid with PCBs 50-500 ppm).

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 6 NYCRR Part 376, Section 376.4, and all applicable prohibitions set forth in 376.3(b) of Part 376 or RCRA section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

NOTIFICATION - WASTE DOES NOT MEET LAND DISPOSAL TREATMENT STANDARDS

☒ I am the generator of a waste restricted under 6 NYCRR Part 376 as identified above. I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment Standards specified in 6 NYCRR Part 376.4(f). This waste must be treated to the applicable standards set forth in 6 NYCRR 376.4(f) prior to land disposal.

7.) Signature: S Sut

8.) Title: Agent for NMO **9.) Date:** 3/28/2022

Attachment 4 – Approval Letter for Water Line Repair Excavation

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220| F: (716) 851-7226
www.dec.ny.gov

August 18, 2023

Luke Goetz
Arcadis
50 Fountain Plaza #360
Buffalo, NY 14202

Re: Site Management (SM) –
Import Request
Niagara Mohawk Dewey Ave. Service Sta.
Buffalo, Erie County, Site No.: **915144**

Dear Luke Goetz:

The Department has reviewed your requests dated August 18, 2023 to import approximately 100-200 cubic yards of crusher run #1 and approximately 50 cubic yards of crusher run 2" from County Line Stone Co., Inc. Based on the information provided, the requests are hereby approved.

The proposed fill material meets the requirements for material other than soil (i.e., gravel, rock, stone, recycled concrete or recycled brick) as specified in section 5.4(e)5 of DER-10. Therefore, this material may be placed below the demarcation barrier or above the demarcation layer as part of final site cover.

Testing in accordance with DER-10 and approval by the Department is required for any additional material imported from this source.

If you have any questions, please contact me at 716-851-7220 or email: megan.kuczka@dec.ny.gov.

Sincerely,

Megan Kuczka
Environmental Program Specialist – 1

ec: Devin Shay – GES
Timothy Beaumont – GES
Steve Stucker – National Grid
Lisa Montesano – National Grid

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e) and 6NYCRR Part 360.13. Use of this form is not a substitute for reading the applicable regulations and Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Commercial or Industrial Us

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 100-200

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? yes

Does it contain less than 10%, by weight, material that passes a size 100 sieve? yes

Is this virgin material from a permitted mine or quarry? yes

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

See attached for product data for No. 1 Clean Crushed Stone and certification from source of fill (County Line Stone Co Inc)

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Eric Lukowski (County Line Stone Co Inc)

Location where fill was obtained:

County Line Stone - Akron Quarry

Identification of any state or local approvals as a fill source:

Mine File # 90564

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

NYSDEC Permit - Facility ID 9-1456-00004, Sieve analysis, Mining Permit

The information provided on this form is accurate and complete.

8/17/23

Signature | Date

Luke A Goetz

Print Name

Arcadis (on behalf of National Grid)

Firm

RT 77

RT 5

County Line STONE Co., Inc.

CRITTENDEN ROAD, P.O. BOX 150, AKRON, NEW YORK 14001

PHONE 716-542-5435 FAX 716-542-5442

ALL SIZES OF CRUSHED STONE BITUMINOUS CONCRETE AGRICULTURAL LIME

January 3rd, 2023

To whom it may concern,

This letter is to serve as notice that all of the aggregate produced and sold by County Line Stone Company in Akron, NY is free from any known contaminates or additives. Our Aggregate is produced by crushing the mineable virgin limestone from our Akron, NY Quarry. Water may be added to the product for dust control.

Regards,

Eric Lukowski, Quality Control Manager

ERIE COUNTY | GENESEE COUNTY

WYOMING COUNTY

PERMIT

Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:
COUNTY LINE STONE CO INC
4515 CRITTENDEN RD
PO Box 150
AKRON, NY 14001-0150
(716) 542-5435

Facility:
COUNTY LINE STONE - AKRON QUARRY
COUNTY LINE RD SOUTH OF SCHURR RD
AKRON, NY 14001

Facility Location: in NEWSTEAD in ERIE COUNTY
Facility Principal Reference Point: NYTM-E: 217 NYTM-N: 4763.4
Latitude: 42°58'14.3" Longitude: 78°28'12.8"

Authorized Activity: This permit authorizes mining of a limestone quarry from a 366.5 acre permit term area within a 387 acre Life of Mine facility. Material extraction includes the use of blasting with onsite processing. The proposed project will impact approximately 11.2 acres of State Regulated Freshwater Wetland CR-29, and regulated 100 foot wide adjacent area of State Regulated Wetlands CR-29 and CR-30 (both Class 3), which are located to the east of Crittenden Road and south of the New York State Thruway I-90. As part of the wetland mitigation plan, a depleted sand and gravel pit, formerly operated by Pine Hill Materials Corp., and located northeast of the intersection of Siehl and Crittenden Roads, will be developed into a State regulated 13.98 acre created wetland within 35 acres of protected upland at that location. Under the wetland mitigation plan, there will also be 9 acres of wetland enhancement and 168 acres of wetland protection. At reclamation, the mine will be reclaimed to two connected lakes totaling about 305 acres.

Permit Authorizations

Mined Land Reclamation - Under Article 23, Title 27
Permit ID 9-1456-00004/00013 (Mined Land ID 90093)
Renewal Effective Date: 7/5/2018 Expiration Date: 7/4/2023

Freshwater Wetlands - Under Article 24
Permit ID 9-1456-00004/00017
Renewal Effective Date: 7/5/2018 Expiration Date: 7/4/2023

Water Quality Certification - Under Section 401 - Clean Water Act
Permit ID 9-1456-00004/00016
Renewal Effective Date: 7/5/2018 Expiration Date: 7/4/2023

County Line STONE CO., INC.

4515 CRITTENDEN ROAD, AKRON, N.Y. 14001

Phone 716-542-5435 **Fax 716-542-5442**

ALL SIZES CRUSHED STONE BITUMINOUS CONCRETE AGRICULTURAL LIME

Material No. 1 Clean Crushed Stone **Date** 8/14/2023

Sieve	% Passing	Specification
4"(100mm)		
3"(75mm)		
2 1/2"(63mm)		
2"(50mm)		
1 1/2"(37.5mm)		
1"(25mm)	100.0	100
3/4"(19mm)		
5/8"(16.0mm)		
1/2"(12.5mm)	92.3	90-100
3/8"(9.5mm)		
5/16 "(8.0mm)		
1/4"(6.3mm)	9.5	0-15
#4(4.75mm)		
1/8"(3.2mm)	1.1	
#8(2.36mm)		
#16(1.18mm)		
#20(850um)		
#30(600um)		
#40(425um)		
#50(300um)		
#80(180um)		
#100(150um)		
#200(75um)	0.6	0-1.0
PAN		
TOTAL		

New York State Specifications

Size Designation	Screen Sizes											
	4"	3"	2 1/2"	2"	1 1/2"	1"	1/2"	1/4"	1/8"	No 40	No 80	No 200
Screenings							100	90-100				0-1.0
1B								100	90-100		0-15	0-1.0
1A							100	90-100	0-15			0-1.0
1ST							100	0-15				0-1.0
1						100	90-100	0-15				0-1.0
2					100	90-100	0-15					0-1.0
3A				100	90-100	0-15						0-0.7
3			100	90-100	35-70	0-15						0-0.7
4A		100	90-100		0-20							0-0.7
4	100	90-100		0-15								0-0.7
5	90-100	0-15										0-0.7
TYPE 1		100		90-100				30-65		5-40		0-10
TYPE 2				100				25-60		5-40		0-10
TYPE 3	100							30-75		5-40		0-10
TYPE 4				100				30-65		5-40		0-10

Comments: Meet all requirements of NYSDOT Item No. 703-02

NYSDOT Source 5-7RS

The New York State
Department of Environmental Conservation
has issued a

MINING PERMIT

pursuant to the Environmental Conservation Law for the mining operation being conducted on this site. For more information regarding the nature and extent of work approved, contact the Mined Land Reclamation Specialist shown below. Please refer to the mine file number shown when contacting the DEC.

Mine File Number 90564 **Permit Expiration Date** 11/3/2024

DEC Contact Lucas Mahoney - MLRS2

Phone Number 379-6380

NOTE: THIS IS NOT A PERMIT

ML-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e) and 6NYCRR Part 360.13. Use of this form is not a substitute for reading the applicable regulations and Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Commercial or Industrial Us

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 0-50

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? yes

Does it contain less than 10%, by weight, material that passes a size 100 sieve? yes

Is this virgin material from a permitted mine or quarry? yes

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

See attached for product data for 2" Crusher Run Stone and certification from source of fill (County Line Stone Co Inc).

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Eric Lukowski (County Line Stone Co Inc)

Location where fill was obtained:

County Line Stone - Akron Quarry

Identification of any state or local approvals as a fill source:

Mine File # 90564

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

NYSDEC Permit - Facility ID 9-1456-00004, Sieve analysis, Mining Permit

The information provided on this form is accurate and complete.

8/17/23

Signature | Date

Luke A Goetz

Print Name

Arcadis (on behalf of National Grid)

Firm

RT 77

RT 5

County Line STONE Co., Inc.

CRITTENDEN ROAD, P.O. BOX 150, AKRON, NEW YORK 14001

PHONE 716-542-5435 FAX 716-542-5442

ALL SIZES OF CRUSHED STONE BITUMINOUS CONCRETE AGRICULTURAL LIME

January 3rd, 2023

To whom it may concern,

This letter is to serve as notice that all of the aggregate produced and sold by County Line Stone Company in Akron, NY is free from any known contaminates or additives. Our Aggregate is produced by crushing the mineable virgin limestone from our Akron, NY Quarry. Water may be added to the product for dust control.

Regards,

Eric Lukowski, Quality Control Manager

ERIE COUNTY | GENESEE COUNTY

WYOMING COUNTY

PERMIT

Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:
COUNTY LINE STONE CO INC
4515 CRITTENDEN RD
PO Box 150
AKRON, NY 14001-0150
(716) 542-5435

Facility:
COUNTY LINE STONE - AKRON QUARRY
COUNTY LINE RD SOUTH OF SCHURR RD
AKRON, NY 14001

Facility Location: in NEWSTEAD in ERIE COUNTY
Facility Principal Reference Point: NYTM-E: 217 NYTM-N: 4763.4
Latitude: 42°58'14.3" Longitude: 78°28'12.8"

Authorized Activity: This permit authorizes mining of a limestone quarry from a 366.5 acre permit term area within a 387 acre Life of Mine facility. Material extraction includes the use of blasting with onsite processing. The proposed project will impact approximately 11.2 acres of State Regulated Freshwater Wetland CR-29, and regulated 100 foot wide adjacent area of State Regulated Wetlands CR-29 and CR-30 (both Class 3), which are located to the east of Crittenden Road and south of the New York State Thruway I-90. As part of the wetland mitigation plan, a depleted sand and gravel pit, formerly operated by Pine Hill Materials Corp., and located northeast of the intersection of Siehl and Crittenden Roads, will be developed into a State regulated 13.98 acre created wetland within 35 acres of protected upland at that location. Under the wetland mitigation plan, there will also be 9 acres of wetland enhancement and 168 acres of wetland protection. At reclamation, the mine will be reclaimed to two connected lakes totaling about 305 acres.

Permit Authorizations

Mined Land Reclamation - Under Article 23, Title 27
Permit ID 9-1456-00004/00013 (Mined Land ID 90093)
Renewal Effective Date: 7/5/2018 Expiration Date: 7/4/2023

Freshwater Wetlands - Under Article 24
Permit ID 9-1456-00004/00017
Renewal Effective Date: 7/5/2018 Expiration Date: 7/4/2023

Water Quality Certification - Under Section 401 - Clean Water Act
Permit ID 9-1456-00004/00016
Renewal Effective Date: 7/5/2018 Expiration Date: 7/4/2023

GRANULAR MATERIALS DOCUMENTATION FORM

ORIGINATOR:	REGION 5	SOURCE NAME:	County Line Stone
CONTRACT:	Non-Project Specific	SOURCE No:	2908
PIN:	N/A	U.S.G.S. LOCATION:	23-1-I-12
PROJECT:	N/A	TOWNSHIP:	Akron
SAMPLED BY:	Robert West	COUNTY:	Erie
DATE:	5/23/2023		

STOCKPILE NUMBER:	2908-23-14
ITEM:	304.12
ESTIMATED QUANTITY (c.y.):	4200
TIER:	2
CASE:	B

TEST RESULTS

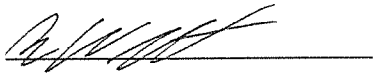
GEB SAMPLE No.							
REG. SAMPLE No.		2908-23-14 NORTH	2908-23-14 EAST	2908-23-14 SOUTH	2908-23-14 WEST		
GRADATION							SPEC REQUIREMENT
SIEVE SIZES	100.0 mm (4 in)	% PASSING BY WEIGHT	---	---	---	---	---
	75.0 mm (3 in)		---	---	---	---	---
	50.0 mm (2 in)		100	100	100	100	100
	37.5 mm (1 ½ in)		96	93	94	91	---
	25.0 mm (1 in)		74	76	80	74	---
	19.0 mm (¾ in)		62	64	71	62	---
	12.5 mm (½ in)		49	52	59	49	---
	6.3 mm (¼ in)		**29**	**34**	**42**	**29**	**25-60**
	2.00 mm (no. 10)		19	20	22	16	---
	0.850 mm (no. 20)		12	13	14	16	---
	0.425 mm (no. 40)		**8**	**9**	**10**	**11**	**5-40**
	0.150 mm (no. 100)		5	6	8	6	---
	0.075 mm (no. 200)		**4**	**5**	**7**	**5**	**0-10**
QUALITY		Mean					
Soundness (% Loss)			---	---	---	---	---
Plasticity Index			---	---	---	---	---
pH			---	---	---	---	---

☒ **ACCEPTED: MATERIAL MEETS ALL SPECIFICATION REQUIREMENTS**

☐ **REJECTED: MATERIAL FAILS TO MEET SPECIFICATION REQUIREMENTS FOR**

COMMENTS: -Conversion factor for this material is 1.441 tons/cy
-SM23023804
-Material passes for 304.12 but does not pass for 304.11, 304.13, 304.14

NAME: Robert L West

SIGNATURE: 

TITLE: REGIONAL GEOTECHNICAL ENGINEER (or designee)
DATE: 6/12/2023

The New York State
Department of Environmental Conservation
has issued a

MINING PERMIT

pursuant to the Environmental Conservation Law for the mining operation being conducted on this site. For more information regarding the nature and extent of work approved, contact the Mined Land Reclamation Specialist shown below. Please refer to the mine file number shown when contacting the DEC.

Mine File Number 90564 Permit Expiration Date 11/3/2024

DEC Contact Lucas MAHONEY - MLRS2

Phone Number 379-6380

NOTE: THIS IS NOT A PERMIT

ML-1

Attachment 5 – Analytical Data Report

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC

Analytical Report For

National Grid

For Lab Project ID

233870

Referencing

P213.11448 DK Water Main Break WO#9000027250

Prepared

Monday, August 28, 2023

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 233870

Client: **National Grid**

Project Reference: P213.11448 DK Water Main Break WO#9000027250

Sample Identifier:	Spoils (2023-175)		
Lab Sample ID:	233870-01	**Date Sampled:**	8/23/2023
Matrix:	Soil	**Date Received**	8/24/2023

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 1.00	mg/Kg		8/28/2023 11:08
PCB-1221	< 1.00	mg/Kg		8/28/2023 11:08
PCB-1232	< 1.00	mg/Kg		8/28/2023 11:08
PCB-1242	< 1.00	mg/Kg		8/28/2023 11:08
PCB-1248	**4.32**	mg/Kg		8/28/2023 11:08
PCB-1254	< 1.00	mg/Kg		8/28/2023 11:08
PCB-1260	< 1.00	mg/Kg		8/28/2023 11:08
PCB-1262	< 1.00	mg/Kg		8/28/2023 11:08
PCB-1268	< 1.00	mg/Kg		8/28/2023 11:08

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**65.0**	10 - 110		8/28/2023 11:08

Method Reference(s): EPA 8082A
EPA 3546

Preparation Date: 8/25/2023

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 233870

Client: **National Grid**

Project Reference: P213.11448 DK Water Main Break WO#9000027250

Sample Identifier:	Spoils (2023-175)		
Lab Sample ID:	233870-01A	**Date Sampled:**	8/23/2023
Matrix:	TCLP Extract	**Date Received**	8/24/2023

TCLP Mercury

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Mercury	< 0.00200	mg/L	0.2		8/25/2023 14:01

Method Reference(s): EPA 7470A
EPA 1311
Preparation Date: 8/25/2023
Data File: Hg230825C

TCLP RCRA Metals (ICP)

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Arsenic	< 0.500	mg/L	5		8/28/2023 08:52
Barium	**0.526**	mg/L	100		8/28/2023 08:52
Cadmium	< 0.0250	mg/L	1		8/28/2023 08:52
Chromium	< 0.500	mg/L	5		8/28/2023 08:52
Lead	< 0.500	mg/L	5		8/28/2023 08:52
Selenium	< 0.200	mg/L	1		8/28/2023 08:52
Silver	< 0.500	mg/L	5		8/28/2023 08:52

Method Reference(s): EPA 6010C
EPA 1311 / 3005A
Preparation Date: 8/25/2023
Data File: 230828A

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"H" = Denotes a parameter analyzed outside of holding time.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

233870

REPORT TO:		INVOICE TO:		LAB PROJECT ID
COMPANY:	Niagara Mohawk/National Grid	COMPANY:	SAME	PO# 3200539126
ADDRESS:	144 Kensington Ave.	ADDRESS:	144 Kensington Ave.	USE Job # P213.11448
CITY:	Buffalo STATE: NY ZIP: 14214	CITY:	Buffalo STATE: NY ZIP: 14214	
PHONE:	716-831-7209 FAX:	PHONE:	716-831-720(FAX:	Email: , linda.scott@usecology.com, sean.smyth@nationalgrid.com
ATTN:	Lisa Montesano	ATTN:	Accounts Payable	lisa.montesano@nationalgrid.com ,linda.parker@nationalgrid.com

PROJECT REFERENCE
DK Water Main Break
WO # 9000027250

Matrix Codes:
AQ - Aqueous Liquid; **NQ** - Non-Aqueous Liquid; **WA** - Water; **WG** - Groundwater; **DW** - Drinking Water; **WW** - Wastewater; **SO** - Soil; **SL** - Sludge; **SD** - Solid; **PT** - Paint; **WP** - Wipe; **CK** - Caulk; **OL** - Oil; **AR** - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	PCBs	TCLP Metals	REMARKS	PARADIGM LAB SAMPLE NUMBER
8/23/2023		X		Spoils	SO	1	X	X	DL=1.0 ppm for PCBs	-01
				2023-175					A for TCLP extract. GP 8/	

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	☐	None Required	☐	None Required	☐
10 day	☐	Batch QC	☐	Basic EDD	☐
Rush 3 day	☒	Category A	☐	NYSDEC EDD	☐
Rush 2 day	☐	Category B	☐		
Rush 1 day	☐				
Other (please indicate date needed)	☐	Other (please indicate package needed)	☐	Other EDD (please indicate EDD needed)	☐

Brendon Nagm 8/23/23 — Sampled By — Date/Time

Linda Scott 8/23/23 — Relinquished By — Date/Time

Brian Zurek 8/23/23 1600 — Received By — Date/Time

[illegible] 8/24/23 15:49 — Received @ Lab By — Date/Time

Total Cost: ☐

P.I.F. ☐

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

6°C iced 8/24/23 15:48

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client: National Grid **Completed by:** ZF

Lab Project ID: 233870 **Date:** 8/24/23

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt: Yes	No	N/A
Container Type	☒	☐	☐
Comments			
Transferred to method-compliant container	☐	☐	☒
Headspace (<1 mL)	☐	☐	☒
Comments			
Preservation	☐	☐	☒
Comments			
Chlorine Absent (<0.10 ppm per test strip)	☐	☐	☒
Comments			
Holding Time	☒	☐	☐
Comments			
Temperature	☒ PCB Hg	☐	☒ tclp Metals (except Hg)
Comments	6°C		
Compliant Sample Quantity/Type	☒	☐	☐
Comments			

Attachment 6 – Waste Manifests from Water Line Repair Excavation

US ecology CERTIFICATE OF DISPOSAL

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as pcb solids

and specified on Manifest # 022647135JJK, Line Item 1 has been landfilled on

9-26, 23 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 800-592-5489
Fax: 800-593-5329

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

Tidds Inbound:
Truck #23069 78,760 lbs

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD 000 730 390	1	(800) 899-4672	02647135 JJK

5. Generator's Name and Mailing Address: NIAGARA MOHAWK PC
ATTN: LISA MONTESANO
144 KENSINGTON AVE
BUFFALO, NY 14214
Generator's Phone: (716) 831-7428

Generator's Site Address (if different than mailing address):
93 DEWEY AVE
BUFFALO, NY 14214

6. Transporter 1 Company Name: Tidds Rolloff
U.S. EPA ID Number: NYR 000 245 506

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC. SITE #2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN3432, Polychlorinated biphenyls, solid, 9, PGIII, ERG #171	001	CM	~~13,000~~ est. 16393	K	B007	PCB1	L
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
J170049WDI / Spcl Debris w/ PCB 50-499 ppm / Job # P213.11448 OOS Date: 08/28/2023 * DK-2 Water Main Break* DOC # BAG70
[W.63.05.156300]

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: Linda Parker
Signature: Linda Parker
Month: 9 Day: 19 Year: 23

INTL
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ken Tidd
Signature: Ken Tidd
Month: 09 Day: 19 Year: 23
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ 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. H132 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: Tracy M Larawa
Signature:
Month: 9 Day: 19 Year: 23

BAG701

US ecology CERTIFICATE OF DISPOSAL

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PCB Solid

and specified on Manifest # 022647136 JJK, Line Item 1 has been landfilled on

September 25, 2023 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 800-592-5489
Fax: 800-593-5329

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: SP

1100? Inbound.
Truck# 23069. 73,240 lbs

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD 000 730 390	1	(800) 899-4672	022647136 JJK

GENERATOR

5. Generator's Name and Mailing Address: NIAGARA MOHAWK PC
ATTN: LISA MONTESANO
144 KENSINGTON AVE
BUFFALO, NY 14214
Generator's Phone: (716) 831-7428

Generator's Site Address (if different than mailing address):
93 DEWEY AVE
BUFFALO, NY 14214

6. Transporter 1 Company Name: Tidds Rolloff
U.S. EPA ID Number: NYR 000 245 506

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC. SITE #2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	RQ, UN3432, Polychlorinated biphenyls, solid, 9, PGIII, ERG #171	001	CM	13,800 13880	K	B007	PCB1	L
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
J170049WDI / Spill Debris w/ PCB 50-499 ppm / Job # P213.11448 OOS Date: 08/28/2023 "DK-2 Water Main Break" DOC # BAG70 / [W:83.05.156300]

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: Linda Parker
Signature: Linda Parker
Month 9 Day 19 Year 23

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ken Tidd
Signature:
Month 09 Day 19 Year 23

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ 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.
H132			

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 9 Day 19 Year 23

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

BAG702

US ecology CERTIFICATE OF DISPOSAL

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PCB SOLID

and specified on Manifest # 022647137 JJK, Line Item 1 has been landfilled on September 22, 23 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 800-592-5489
Fax: 800-593-5329

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: B Muron

Tidds Inbound 81,240 lbs
Truck #83069

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD 000 730 390	1	(800) 899-4672	022647137 JJK

GENERATOR

5. Generator's Name and Mailing Address: NIAGARA MOHAWK PC
ATTN: LISA MONTESANO
144 KENSINGTON AVE
BUFFALO, NY 14214
Generator's Phone: (716) 831-7428

Generator's Site Address (if different than mailing address):
93 DEWEY AVE
BUFFALO, NY 14214

6. Transporter 1 Company Name: Tidds Rolloff — U.S. EPA ID Number: NYR 000 245 506

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC. SITE #2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN3432, Polychlorinated biphenyls, solid, 9, PGIII, ERG #171	001	CM	~~13,000~~ 17509	K	B007	PCB1	L
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
J170049WDI / Spill Debris w/ PCB 50-499 ppm / [W:63.05.156300] Job # P213.11448 OOS Date: 08/28/2023 "DK-2 Water Main Break" DOC # BAG70 Z

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: Linda Parker — Signature: Linda Parker — Month 09 Day 19 Year 23

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ken Tidd — Signature: Ken — Month 09 Day 19 Year 23

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ 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.
H132			

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: Kevin Saunders — Signature: [signature] — Month 09 Day 22 Year 23

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

BAG703

US ecology CERTIFICATE OF DISPOSAL

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PCB SOLID

and specified on Manifest # 022647138 JJK, Line Item 1 has been landfilled on

October 2, 23 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 800-592-5489
Fax: 800-593-5329

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: BMunon

Tidds Truck #23009 / InBound 79,920lbs / Kens Cell 716-353-3232

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD 000 730 390	1	(800) 899-4672	022647138 JJK

GENERATOR

5. Generator's Name and Mailing Address: NIAGARA MOHAWK PC
ATTN: LISA MONTESANO
144 KENSINGTON AVE
BUFFALO, NY 14214
Generator's Phone: (716) 831-7428

Generator's Site Address (if different than mailing address):
93 DEWEY AVE
BUFFALO, NY 14214

6. Transporter 1 Company Name: Tidds Rolloff — U.S. EPA ID Number: NYR 000 245 506

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC. SITE #2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	RQ, UN3432, Polychlorinated biphenyls, solid, 9, PGIII, ERG #171	001	CM	16438	K	B007	PCB1	L
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
J170049WDI / Spill Debris w/ PCB 50-499 ppm / [W:83.05.156300] Job # P213.11448 OOS Date: 08/28/2023 "DK-2 Water Main Break" DOC # BAG703

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: Linda Parker — Signature: Linda Parker — Month: [redacted] Day: 19 Year: 23

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ken Tidd — Signature: Ken T — Month: 09 Day: 19 Year: 23

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ 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.
H132			

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: Kelly Saunders — Signature — Month: 10 Day: 2 Year: 23

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

US ecology CERTIFICATE OF DISPOSAL

BAG704

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PCB Solid

and specified on Manifest # 022647139 JJK, Line Item 1 has been landfilled on 4-29, 23 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 800-592-5489
Fax: 800-593-5329

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

Tidds Truck#23069 / Inbound 57,860 lbs / SB1665 / Ken's Cell 716-353-3232

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD 000 730 390	1	(800) 899-4672	02647139 JJK

5. Generator's Name and Mailing Address: NIAGARA MOHAWK PC
ATTN: LISA MONTESANO
144 KENSINGTON AVE
BUFFALO, NY 14214
Generator's Phone: (716) 831-7428

Generator's Site Address (if different than mailing address):
93 DEWEY AVE
BUFFALO, NY 14214

6. Transporter 1 Company Name: Tidds Rolloff — U.S. EPA ID Number: NYR 000 245 506

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC. SITE #2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN3432, Polychlorinated biphenyls, solid, 9, PGIII, ERG #171	001	CM	~~7000~~ 6849	K	B007	PCB1	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. J170048WDI / Spill Debris w/ PCB 50-499 ppm / [W:63.05.156300] Job # P213.11448 OOS Date: 08/28/2023 " DK-2 Water Main Break" DOC # BAG70 4

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: Sean Smith — Signature: S Smith — Month 9 Day 20 Year 23

INT'L
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials
Transporter Printed/Typed Name: Keh Tidd — Signature: K — Month 9 Day 20 Year 23
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ 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.
H132			

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: Keef Saunders — Signature: K Saunders — Month 9 Day 20 Year 23

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

US ecology CERTIFICATE OF DISPOSAL

FOR MANIFESTED PCB WASTE

BAG ~~790~~ 705

This certificate is to verify the wastes identified as PCB SOLID

and specified on Manifest # 022647140 JK, Line Item 1 has been landfilled on 9/27, 23 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 800-592-5489
Fax: 800-593-5329

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

Tidd's Truck # 23069 | In Board: 79,960 lbs | Ken's Cell 716-353-3232 CB might Not due Working

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD 000 730 390	1	(800) 899-4672	022647140 JJK

GENERATOR

5. Generator's Name and Mailing Address: NIAGARA MOHAWK PC
ATTN: LISA MONTESANO
144 KENSINGTON AVE
BUFFALO, NY 14214
Generator's Phone: (716) 831-7428

Generator's Site Address (if different than mailing address):
93 DEWEY AVE
BUFFALO, NY 14214

6. Transporter 1 Company Name: Tidds Rolloff — U.S. EPA ID Number: NYR 000 245 506

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC. SITE #2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN3432, Polychlorinated biphenyls, solid, 9, PGIII, ERG #171	001	CM	EST. ~~13,000~~ ~~NET~~ 16919	K	B007	PCB1	L
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
EA
J170049WDI / Spill Debris w/ PCB 50-499 ppm / [W:63.05.156300] Job # P213.11448 OOS Date: 08/28/2023 "DK-2 Water Main Break" DOC # BAG70 5

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: Sean Smyth — Signature: [signature] — Month 9 Day 20 Year 23

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Kenneth R. Tidd — Signature: [signature] — Month 09 Day 20 Year 23

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ 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.
H132			

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: HOPE SMITH — Signature: [signature] — Month 9 Day 27 Year 23

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

US ecology CERTIFICATE OF DISPOSAL

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PCB SOLID

and specified on Manifest # 022647141 JJK, Line Item 1 has been landfilled on October 3, 23 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 800-592-5489
Fax: 800-593-5329

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: Bmunon

Tidds / Inbound / Ken Cell
Truck # 23069 / 75,960 / 716-353-3232

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD 000 730 390	1	(800) 899-4672	022647141 JJK

GENERATOR

5. Generator's Name and Mailing Address: NIAGARA MOHAWK PC
ATTN: LISA MONTESANO
144 KENSINGTON AVE
BUFFALO, NY 14214
Generator's Phone: (716) 831-7428

Generator's Site Address (if different than mailing address):
93 DEWEY AVE
BUFFALO, NY 14214

6. Transporter 1 Company Name: Tidds Rolloff
U.S. EPA ID Number: NYR 000 245 506

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC. SITE #2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN3432, Polychlorinated biphenyls, solid, 9, PGIII, ERG #171	001	CM	EST. 13,000 14651	K	B007	PCB1	L
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
J170049WDI / Spill Debris w/ PCB 50-499 ppm / [W:63.05.156300] Job # P213.11448 OOS Date: 08/28/2023 "DK-2 Water Main Break" DOC # BAG706

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: Sean Smith
Signature:
Month: 9 Day: 20 Year: 23

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ken Tidd
Signature:
Month: 09 Day: 20 Year: 23

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ 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.
H132			

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: Sara Lisle
Signature:
Month: 10 Day: 03 Year: 23

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

BAG 790

CERTIFICATE OF DISPOSAL

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PCB SOLID,

and specified on Manifest # 022647162JJK, Line Item 1 has been landfilled on

10/24, 23 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 800-592-5489
Fax: 800-593-5329

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and comp to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this info is true accurate and complete.

Authorized Signature: _____

REPUBLIC SERVICES

Tidds / Truck #
Inbound: 67,100 / 23069

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD 000 730 390	1	(800) 899-4672	022647162 JJK

GENERATOR

5. Generator's Name and Mailing Address: NIAGARA MOHAWK PC
ATTN: LISA MONTESANO
144 KENSINGTON AVE
BUFFALO, NY 14214
Generator's Phone: (716) 831-7428

Generator's Site Address (if different than mailing address)
93 DEWEY AVE
BUFFALO, NY 14214

6. Transporter 1 Company Name: Tidds Rolloff — U.S. EPA ID Number: NYR 000 245 506

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC. SITE #2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	RQ, UN3432, Polychlorinated biphenyls, solid, 9, PGIII, ERG #171	001	CM	10387 15000	K	B007	PCB1	L
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. J170049WDI / Spill Debris w/ PCB 50-499 ppm / Job # P213.11448 OOS Date: 09/25/2023 "DK-2 Water Main Break" DOC # BAG790 [W:63.05.156301]
2504 Rod

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: Agent/Linda Scott — Signature: Linda Scott — Month: 10 Day: 13 Year: 23

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Kenneth R Tidd — Signature: Kenneth R Tidd — Month: 10 Day: 13 Year: 23

Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ 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.
H132			

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: Sara Light — Signature — Month: 10 Day: 24 Year: 23

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

Attachment 7 – Laboratory Analytical Report – Waste Characterization Samples

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Michael C Jones
ARCADIS U.S. Inc
One Lincoln Center
110 West Fayette St, Suite 300
Syracuse, New York 13202

Generated 1/19/2023 12:29:41 PM Revision 1

JOB DESCRIPTION

National Grid – Station 162 Expansion Area

JOB NUMBER

480-204979-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
1/19/2023 12:29:41 PM
Revision 1

Authorized for release by
John Schove, Project Manager II
John.Schove@et.eurofinsus.com
(716)504-9838

Table of Contents

Definitions/Glossary

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-204979-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-204979-1

Revision
This report has been revised to correct the site ID and remove estimated results.

Receipt
The samples were received on 12/21/2022 3:10 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.7º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-655113 recovered above the upper control limit for Carbon tetrachloride and Vinyl chloride . The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-1 (0.9-2.2) (480-204979-1), B-2 (0.5-1.4) (480-204979-2), B-3 (0.6-1.8) (480-204979-3) and B-4 (0.7-1.7) (480-204979-4).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 480-654882 and analytical batch 480-655113 recovered outside control limits for the following analyte: Carbon tetrachloride. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The following samples were diluted due to the nature of the TCLP matrix: B-1 (0.9-2.2) (480-204979-1), B-2 (0.5-1.4) (480-204979-2), B-3 (0.6-1.8) (480-204979-3), B-4 (0.7-1.7) (480-204979-4) and (LB 480-654882/1-A). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-655252 recovered above the upper control limit for 2,4-Dinitrotoluene. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated samples are impacted: B-1 (0.9-2.2) (480-204979-1), B-2 (0.5-1.4) (480-204979-2), B-3 (0.6-1.8) (480-204979-3) and B-4 (0.7-1.7) (480-204979-4).

Method 8270D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 480-654829 and 480-655158 and analytical batch 480-655252 recovered outside control limits for the following analyte: 2,4-Dinitrotoluene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010C: The recovery of post spike, (480-204979-A-2-C PDS), associated with batch 480-655173, exhibited results outside quality control limits for Total Silver and Selenium. However, the serial dilution (SD) of this sample was compliant, therefore no corrective action was necessary.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples have been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: B-1 (0.9-2.2) (480-204979-1), B-2 (0.5-1.4) (480-204979-2), B-3 (0.6-1.8) (480-204979-3) and B-4 (0.7-1.7) (480-204979-4).

Job ID: 480-204979-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-654829 and 480-655158.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Client Sample ID: B-1 (0.9-2.2) — Lab Sample ID: 480-204979-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>175		50.0		Degrees F	1		1010A	Total/NA
pH	8.4	HF	0.1		SU	1		9045D	Total/NA
Temperature	17.2	HF	0.001		Degrees C	1		9045D	Total/NA

Client Sample ID: B-2 (0.5-1.4) — Lab Sample ID: 480-204979-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>175		50.0		Degrees F	1		1010A	Total/NA
pH	8.3	HF	0.1		SU	1		9045D	Total/NA
Temperature	18.1	HF	0.001		Degrees C	1		9045D	Total/NA

Client Sample ID: B-3 (0.6-1.8) — Lab Sample ID: 480-204979-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>175		50.0		Degrees F	1		1010A	Total/NA
pH	7.9	HF	0.1		SU	1		9045D	Total/NA
Temperature	18.2	HF	0.001		Degrees C	1		9045D	Total/NA

Client Sample ID: B-4 (0.7-1.7) — Lab Sample ID: 480-204979-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.0032		0.0020		mg/L	1		6010C	TCLP
Flashpoint	>175		50.0		Degrees F	1		1010A	Total/NA
pH	8.3	HF	0.1		SU	1		9045D	Total/NA
Temperature	17.5	HF	0.001		Degrees C	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-1 (0.9-2.2)
Date Collected: 12/21/22 11:40
Date Received: 12/21/22 15:10

Lab Sample ID: 480-204979-1
Matrix: Solid

Method: SW846 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010		mg/L			01/05/23 12:06	10
1,2-Dichloroethane	0.010	U	0.010		mg/L			01/05/23 12:06	10
2-Butanone (MEK)	0.050	U	0.050		mg/L			01/05/23 12:06	10
Benzene	0.010	U	0.010		mg/L			01/05/23 12:06	10
Carbon tetrachloride	0.010	U *+	0.010		mg/L			01/05/23 12:06	10
Chlorobenzene	0.010	U	0.010		mg/L			01/05/23 12:06	10
Chloroform	0.010	U	0.010		mg/L			01/05/23 12:06	10
Tetrachloroethene	0.010	U	0.010		mg/L			01/05/23 12:06	10
Trichloroethene	0.010	U	0.010		mg/L			01/05/23 12:06	10
Vinyl chloride	0.010	U	0.010		mg/L			01/05/23 12:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*77 - 120*		*01/05/23 12:06*	*10*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*01/05/23 12:06*	*10*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*01/05/23 12:06*	*10*
Toluene-d8 (Surr)	*86*		*80 - 120*		*01/05/23 12:06*	*10*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 13:02	1
2,4,5-Trichlorophenol	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:02	1
2,4,6-Trichlorophenol	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:02	1
2,4-Dinitrotoluene	0.020	U *+	0.020		mg/L		01/05/23 10:05	01/06/23 13:02	1
2-Methylphenol	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:02	1
3-Methylphenol	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 13:02	1
4-Methylphenol	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 13:02	1
Hexachlorobenzene	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:02	1
Hexachlorobutadiene	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:02	1
Hexachloroethane	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:02	1
Nitrobenzene	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:02	1
Pentachlorophenol	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 13:02	1
Pyridine	0.10	U	0.10		mg/L		01/05/23 10:05	01/06/23 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*102*		*41 - 120*	*01/05/23 10:05*	*01/06/23 13:02*	*1*
2-Fluorobiphenyl (Surr)	*94*		*48 - 120*	*01/05/23 10:05*	*01/06/23 13:02*	*1*
2-Fluorophenol (Surr)	*50*		*35 - 120*	*01/05/23 10:05*	*01/06/23 13:02*	*1*
Nitrobenzene-d5 (Surr)	*95*		*46 - 120*	*01/05/23 10:05*	*01/06/23 13:02*	*1*
Phenol-d5 (Surr)	*34*		*22 - 120*	*01/05/23 10:05*	*01/06/23 13:02*	*1*
p-Terphenyl-d14 (Surr)	*117*		*60 - 148*	*01/05/23 10:05*	*01/06/23 13:02*	*1*

Method: SW846 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015		mg/L		01/04/23 10:52	01/04/23 19:43	1
Barium	1.0	U	1.0		mg/L		01/04/23 10:52	01/04/23 19:43	1
Cadmium	0.0020	U	0.0020		mg/L		01/04/23 10:52	01/04/23 19:43	1
Chromium	0.020	U	0.020		mg/L		01/04/23 10:52	01/04/23 19:43	1
Lead	0.020	U	0.020		mg/L		01/04/23 10:52	01/04/23 19:43	1
Selenium	0.025	U	0.025		mg/L		01/04/23 10:52	01/04/23 19:43	1
Silver	0.0060	U	0.0060		mg/L		01/04/23 10:52	01/04/23 19:43	1

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Client Sample ID: B-1 (0.9-2.2)
Lab Sample ID: 480-204979-1
Date Collected: 12/21/22 11:40
Matrix: Solid
Date Received: 12/21/22 15:10

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020		mg/L		01/04/23 11:34	01/04/23 16:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive (SW846 9012)	9.5	U	9.5		mg/Kg		12/22/22 14:12	12/22/22 15:21	1
Sulfide, Reactive (SW846 9034)	9.5	U	9.5		mg/Kg		12/22/22 14:43	12/22/22 16:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010A)	**>175**		50.0		Degrees F			01/04/23 18:41	1
pH (SW846 9045D)	**8.4**	**HF**	0.1		SU			12/22/22 14:30	1
Temperature (SW846 9045D)	**17.2**	**HF**	0.001		Degrees C			12/22/22 14:30	1

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Client Sample ID: B-1 (0.9-2.2)
Lab Sample ID: 480-204979-1
Date Collected: 12/21/22 11:40
Matrix: Solid
Date Received: 12/21/22 15:10
Percent Solids: 85.5

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.28	U	0.28		mg/Kg	☼	01/04/23 07:08	01/04/23 20:10	1
PCB-1221	0.28	U	0.28		mg/Kg	☼	01/04/23 07:08	01/04/23 20:10	1
PCB-1232	0.28	U	0.28		mg/Kg	☼	01/04/23 07:08	01/04/23 20:10	1
PCB-1242	0.28	U	0.28		mg/Kg	☼	01/04/23 07:08	01/04/23 20:10	1
PCB-1248	0.28	U	0.28		mg/Kg	☼	01/04/23 07:08	01/04/23 20:10	1
PCB-1254	0.28	U	0.28		mg/Kg	☼	01/04/23 07:08	01/04/23 20:10	1
PCB-1260	0.28	U	0.28		mg/Kg	☼	01/04/23 07:08	01/04/23 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*65 - 174*	*01/04/23 07:08*	*01/04/23 20:10*	*1*
DCB Decachlorobiphenyl	*85*		*65 - 174*	*01/04/23 07:08*	*01/04/23 20:10*	*1*
Tetrachloro-m-xylene	*104*		*60 - 154*	*01/04/23 07:08*	*01/04/23 20:10*	*1*
Tetrachloro-m-xylene	*104*		*60 - 154*	*01/04/23 07:08*	*01/04/23 20:10*	*1*

Client Sample ID: B-2 (0.5-1.4)
Date Collected: 12/21/22 11:20
Date Received: 12/21/22 15:10

Lab Sample ID: 480-204979-2
Matrix: Solid

Method: SW846 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010		mg/L			01/05/23 12:29	10
1,2-Dichloroethane	0.010	U	0.010		mg/L			01/05/23 12:29	10
2-Butanone (MEK)	0.050	U	0.050		mg/L			01/05/23 12:29	10
Benzene	0.010	U	0.010		mg/L			01/05/23 12:29	10
Carbon tetrachloride	0.010	U *+	0.010		mg/L			01/05/23 12:29	10
Chlorobenzene	0.010	U	0.010		mg/L			01/05/23 12:29	10
Chloroform	0.010	U	0.010		mg/L			01/05/23 12:29	10
Tetrachloroethene	0.010	U	0.010		mg/L			01/05/23 12:29	10
Trichloroethene	0.010	U	0.010		mg/L			01/05/23 12:29	10
Vinyl chloride	0.010	U	0.010		mg/L			01/05/23 12:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*01/05/23 12:29*	*10*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*01/05/23 12:29*	*10*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*01/05/23 12:29*	*10*
Toluene-d8 (Surr)	*90*		*80 - 120*		*01/05/23 12:29*	*10*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 13:27	1
2,4,5-Trichlorophenol	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:27	1
2,4,6-Trichlorophenol	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:27	1
2,4-Dinitrotoluene	0.020	U *+	0.020		mg/L		01/05/23 10:05	01/06/23 13:27	1
2-Methylphenol	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:27	1
3-Methylphenol	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 13:27	1
4-Methylphenol	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 13:27	1
Hexachlorobenzene	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:27	1
Hexachlorobutadiene	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:27	1
Hexachloroethane	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:27	1
Nitrobenzene	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:27	1
Pentachlorophenol	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 13:27	1
Pyridine	0.10	U	0.10		mg/L		01/05/23 10:05	01/06/23 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*41 - 120*	*01/05/23 10:05*	*01/06/23 13:27*	*1*
2-Fluorobiphenyl (Surr)	*90*		*48 - 120*	*01/05/23 10:05*	*01/06/23 13:27*	*1*
2-Fluorophenol (Surr)	*51*		*35 - 120*	*01/05/23 10:05*	*01/06/23 13:27*	*1*
Nitrobenzene-d5 (Surr)	*89*		*46 - 120*	*01/05/23 10:05*	*01/06/23 13:27*	*1*
Phenol-d5 (Surr)	*34*		*22 - 120*	*01/05/23 10:05*	*01/06/23 13:27*	*1*
p-Terphenyl-d14 (Surr)	*114*		*60 - 148*	*01/05/23 10:05*	*01/06/23 13:27*	*1*

Method: SW846 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015		mg/L		01/04/23 10:52	01/04/23 19:47	1
Barium	1.0	U	1.0		mg/L		01/04/23 10:52	01/04/23 19:47	1
Cadmium	0.0020	U	0.0020		mg/L		01/04/23 10:52	01/04/23 19:47	1
Chromium	0.020	U	0.020		mg/L		01/04/23 10:52	01/04/23 19:47	1
Lead	0.020	U	0.020		mg/L		01/04/23 10:52	01/04/23 19:47	1
Selenium	0.025	U	0.025		mg/L		01/04/23 10:52	01/04/23 19:47	1
Silver	0.0060	U	0.0060		mg/L		01/04/23 10:52	01/04/23 19:47	1

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Client Sample ID: B-2 (0.5-1.4)
Lab Sample ID: 480-204979-2
Date Collected: 12/21/22 11:20
Matrix: Solid
Date Received: 12/21/22 15:10

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020		mg/L		01/04/23 11:34	01/04/23 16:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive (SW846 9012)	9.7	U	9.7		mg/Kg		12/22/22 14:12	12/22/22 15:23	1
Sulfide, Reactive (SW846 9034)	9.7	U	9.7		mg/Kg		12/22/22 14:43	12/22/22 16:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010A)	**>175**		50.0		Degrees F			01/04/23 18:41	1
pH (SW846 9045D)	**8.3**	**HF**	0.1		SU			12/22/22 14:30	1
Temperature (SW846 9045D)	**18.1**	**HF**	0.001		Degrees C			12/22/22 14:30	1

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Client Sample ID: B-2 (0.5-1.4)
Date Collected: 12/21/22 11:20
Date Received: 12/21/22 15:10

Lab Sample ID: 480-204979-2
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.22	U	0.22		mg/Kg	☼	01/04/23 07:08	01/04/23 20:24	1
PCB-1221	0.22	U	0.22		mg/Kg	☼	01/04/23 07:08	01/04/23 20:24	1
PCB-1232	0.22	U	0.22		mg/Kg	☼	01/04/23 07:08	01/04/23 20:24	1
PCB-1242	0.22	U	0.22		mg/Kg	☼	01/04/23 07:08	01/04/23 20:24	1
PCB-1248	0.22	U	0.22		mg/Kg	☼	01/04/23 07:08	01/04/23 20:24	1
PCB-1254	0.22	U	0.22		mg/Kg	☼	01/04/23 07:08	01/04/23 20:24	1
PCB-1260	0.22	U	0.22		mg/Kg	☼	01/04/23 07:08	01/04/23 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*65 - 174*	*01/04/23 07:08*	*01/04/23 20:24*	*1*
DCB Decachlorobiphenyl	*92*		*65 - 174*	*01/04/23 07:08*	*01/04/23 20:24*	*1*
Tetrachloro-m-xylene	*119*		*60 - 154*	*01/04/23 07:08*	*01/04/23 20:24*	*1*
Tetrachloro-m-xylene	*114*		*60 - 154*	*01/04/23 07:08*	*01/04/23 20:24*	*1*

Client Sample ID: B-3 (0.6-1.8)
Lab Sample ID: 480-204979-3
Date Collected: 12/21/22 10:45
Matrix: Solid
Date Received: 12/21/22 15:10

Method: SW846 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010		mg/L			01/05/23 12:52	10
1,2-Dichloroethane	0.010	U	0.010		mg/L			01/05/23 12:52	10
2-Butanone (MEK)	0.050	U	0.050		mg/L			01/05/23 12:52	10
Benzene	0.010	U	0.010		mg/L			01/05/23 12:52	10
Carbon tetrachloride	0.010	U *+	0.010		mg/L			01/05/23 12:52	10
Chlorobenzene	0.010	U	0.010		mg/L			01/05/23 12:52	10
Chloroform	0.010	U	0.010		mg/L			01/05/23 12:52	10
Tetrachloroethene	0.010	U	0.010		mg/L			01/05/23 12:52	10
Trichloroethene	0.010	U	0.010		mg/L			01/05/23 12:52	10
Vinyl chloride	0.010	U	0.010		mg/L			01/05/23 12:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*01/05/23 12:52*	*10*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*01/05/23 12:52*	*10*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*01/05/23 12:52*	*10*
Toluene-d8 (Surr)	*90*		*80 - 120*		*01/05/23 12:52*	*10*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 13:52	1
2,4,5-Trichlorophenol	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:52	1
2,4,6-Trichlorophenol	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:52	1
2,4-Dinitrotoluene	0.020	U *+	0.020		mg/L		01/05/23 10:05	01/06/23 13:52	1
2-Methylphenol	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:52	1
3-Methylphenol	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 13:52	1
4-Methylphenol	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 13:52	1
Hexachlorobenzene	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:52	1
Hexachlorobutadiene	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:52	1
Hexachloroethane	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:52	1
Nitrobenzene	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 13:52	1
Pentachlorophenol	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 13:52	1
Pyridine	0.10	U	0.10		mg/L		01/05/23 10:05	01/06/23 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*41 - 120*	*01/05/23 10:05*	*01/06/23 13:52*	*1*
2-Fluorobiphenyl (Surr)	*90*		*48 - 120*	*01/05/23 10:05*	*01/06/23 13:52*	*1*
2-Fluorophenol (Surr)	*50*		*35 - 120*	*01/05/23 10:05*	*01/06/23 13:52*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 120*	*01/05/23 10:05*	*01/06/23 13:52*	*1*
Phenol-d5 (Surr)	*32*		*22 - 120*	*01/05/23 10:05*	*01/06/23 13:52*	*1*
p-Terphenyl-d14 (Surr)	*114*		*60 - 148*	*01/05/23 10:05*	*01/06/23 13:52*	*1*

Method: SW846 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015		mg/L		01/04/23 10:52	01/04/23 20:19	1
Barium	1.0	U	1.0		mg/L		01/04/23 10:52	01/04/23 20:19	1
Cadmium	0.0020	U	0.0020		mg/L		01/04/23 10:52	01/04/23 20:19	1
Chromium	0.020	U	0.020		mg/L		01/04/23 10:52	01/04/23 20:19	1
Lead	0.020	U	0.020		mg/L		01/04/23 10:52	01/04/23 20:19	1
Selenium	0.025	U	0.025		mg/L		01/04/23 10:52	01/04/23 20:19	1
Silver	0.0060	U	0.0060		mg/L		01/04/23 10:52	01/04/23 20:19	1

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Client Sample ID: B-3 (0.6-1.8)
Lab Sample ID: 480-204979-3
Date Collected: 12/21/22 10:45
Matrix: Solid
Date Received: 12/21/22 15:10

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020		mg/L		01/04/23 11:34	01/04/23 16:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive (SW846 9012)	9.9	U	9.9		mg/Kg		12/22/22 14:12	12/22/22 15:24	1
Sulfide, Reactive (SW846 9034)	9.9	U	9.9		mg/Kg		12/22/22 14:43	12/22/22 16:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010A)	**>175**		50.0		Degrees F			01/04/23 18:41	1
pH (SW846 9045D)	**7.9**	**HF**	0.1		SU			12/22/22 14:30	1
Temperature (SW846 9045D)	**18.2**	**HF**	0.001		Degrees C			12/22/22 14:30	1

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Client Sample ID: B-3 (0.6-1.8)
Lab Sample ID: 480-204979-3
Date Collected: 12/21/22 10:45
Matrix: Solid
Date Received: 12/21/22 15:10
Percent Solids: 76.2

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.29	U	0.29		mg/Kg	☼	01/04/23 07:08	01/04/23 20:37	1
PCB-1221	0.29	U	0.29		mg/Kg	☼	01/04/23 07:08	01/04/23 20:37	1
PCB-1232	0.29	U	0.29		mg/Kg	☼	01/04/23 07:08	01/04/23 20:37	1
PCB-1242	0.29	U	0.29		mg/Kg	☼	01/04/23 07:08	01/04/23 20:37	1
PCB-1248	0.29	U	0.29		mg/Kg	☼	01/04/23 07:08	01/04/23 20:37	1
PCB-1254	0.29	U	0.29		mg/Kg	☼	01/04/23 07:08	01/04/23 20:37	1
PCB-1260	0.29	U	0.29		mg/Kg	☼	01/04/23 07:08	01/04/23 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*65 - 174*	*01/04/23 07:08*	*01/04/23 20:37*	*1*
DCB Decachlorobiphenyl	*81*		*65 - 174*	*01/04/23 07:08*	*01/04/23 20:37*	*1*
Tetrachloro-m-xylene	*104*		*60 - 154*	*01/04/23 07:08*	*01/04/23 20:37*	*1*
Tetrachloro-m-xylene	*102*		*60 - 154*	*01/04/23 07:08*	*01/04/23 20:37*	*1*

Client Sample ID: B-4 (0.7-1.7)
Date Collected: 12/21/22 10:20
Date Received: 12/21/22 15:10

Lab Sample ID: 480-204979-4
Matrix: Solid

Method: SW846 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010		mg/L			01/05/23 13:15	10
1,2-Dichloroethane	0.010	U	0.010		mg/L			01/05/23 13:15	10
2-Butanone (MEK)	0.050	U	0.050		mg/L			01/05/23 13:15	10
Benzene	0.010	U	0.010		mg/L			01/05/23 13:15	10
Carbon tetrachloride	0.010	U *+	0.010		mg/L			01/05/23 13:15	10
Chlorobenzene	0.010	U	0.010		mg/L			01/05/23 13:15	10
Chloroform	0.010	U	0.010		mg/L			01/05/23 13:15	10
Tetrachloroethene	0.010	U	0.010		mg/L			01/05/23 13:15	10
Trichloroethene	0.010	U	0.010		mg/L			01/05/23 13:15	10
Vinyl chloride	0.010	U	0.010		mg/L			01/05/23 13:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*01/05/23 13:15*	*10*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*01/05/23 13:15*	*10*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*01/05/23 13:15*	*10*
Toluene-d8 (Surr)	*91*		*80 - 120*		*01/05/23 13:15*	*10*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 14:16	1
2,4,5-Trichlorophenol	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 14:16	1
2,4,6-Trichlorophenol	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 14:16	1
2,4-Dinitrotoluene	0.020	U *+	0.020		mg/L		01/05/23 10:05	01/06/23 14:16	1
2-Methylphenol	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 14:16	1
3-Methylphenol	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 14:16	1
4-Methylphenol	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 14:16	1
Hexachlorobenzene	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 14:16	1
Hexachlorobutadiene	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 14:16	1
Hexachloroethane	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 14:16	1
Nitrobenzene	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 14:16	1
Pentachlorophenol	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 14:16	1
Pyridine	0.10	U	0.10		mg/L		01/05/23 10:05	01/06/23 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*41 - 120*	*01/05/23 10:05*	*01/06/23 14:16*	*1*
2-Fluorobiphenyl (Surr)	*91*		*48 - 120*	*01/05/23 10:05*	*01/06/23 14:16*	*1*
2-Fluorophenol (Surr)	*50*		*35 - 120*	*01/05/23 10:05*	*01/06/23 14:16*	*1*
Nitrobenzene-d5 (Surr)	*89*		*46 - 120*	*01/05/23 10:05*	*01/06/23 14:16*	*1*
Phenol-d5 (Surr)	*34*		*22 - 120*	*01/05/23 10:05*	*01/06/23 14:16*	*1*
p-Terphenyl-d14 (Surr)	*114*		*60 - 148*	*01/05/23 10:05*	*01/06/23 14:16*	*1*

Method: SW846 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015		mg/L		01/04/23 10:52	01/04/23 20:23	1
Barium	1.0	U	1.0		mg/L		01/04/23 10:52	01/04/23 20:23	1
Cadmium	**0.0032**		0.0020		mg/L		01/04/23 10:52	01/04/23 20:23	1
Chromium	0.020	U	0.020		mg/L		01/04/23 10:52	01/04/23 20:23	1
Lead	0.020	U	0.020		mg/L		01/04/23 10:52	01/04/23 20:23	1
Selenium	0.025	U	0.025		mg/L		01/04/23 10:52	01/04/23 20:23	1
Silver	0.0060	U	0.0060		mg/L		01/04/23 10:52	01/04/23 20:23	1

Client Sample ID: B-4 (0.7-1.7)
Lab Sample ID: 480-204979-4

Date Collected: 12/21/22 10:20
Matrix: Solid
Date Received: 12/21/22 15:10

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020		mg/L		01/04/23 11:34	01/04/23 16:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive (SW846 9012)	9.9	U	9.9		mg/Kg		12/22/22 14:12	12/22/22 15:26	1
Sulfide, Reactive (SW846 9034)	9.9	U	9.9		mg/Kg		12/22/22 14:43	12/22/22 16:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010A)	**>175**		50.0		Degrees F			01/04/23 18:41	1
pH (SW846 9045D)	**8.3**	**HF**	0.1		SU			12/22/22 14:30	1
Temperature (SW846 9045D)	**17.5**	**HF**	0.001		Degrees C			12/22/22 14:30	1

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Client Sample ID: B-4 (0.7-1.7)
Lab Sample ID: 480-204979-4
Date Collected: 12/21/22 10:20
Matrix: Solid
Date Received: 12/21/22 15:10
Percent Solids: 78.5

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.25		mg/Kg	☼	01/04/23 07:08	01/04/23 20:51	1
PCB-1221	0.25	U	0.25		mg/Kg	☼	01/04/23 07:08	01/04/23 20:51	1
PCB-1232	0.25	U	0.25		mg/Kg	☼	01/04/23 07:08	01/04/23 20:51	1
PCB-1242	0.25	U	0.25		mg/Kg	☼	01/04/23 07:08	01/04/23 20:51	1
PCB-1248	0.25	U	0.25		mg/Kg	☼	01/04/23 07:08	01/04/23 20:51	1
PCB-1254	0.25	U	0.25		mg/Kg	☼	01/04/23 07:08	01/04/23 20:51	1
PCB-1260	0.25	U	0.25		mg/Kg	☼	01/04/23 07:08	01/04/23 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*103*		*65 - 174*	*01/04/23 07:08*	*01/04/23 20:51*	*1*
DCB Decachlorobiphenyl	*83*		*65 - 174*	*01/04/23 07:08*	*01/04/23 20:51*	*1*
Tetrachloro-m-xylene	*106*		*60 - 154*	*01/04/23 07:08*	*01/04/23 20:51*	*1*
Tetrachloro-m-xylene	*107*		*60 - 154*	*01/04/23 07:08*	*01/04/23 20:51*	*1*

Surrogate Summary

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Method: 8260C - TCLP Volatiles

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
LCS 480-655113/5	Lab Control Sample	96	96	107	90
MB 480-655113/8	Method Blank	90	98	99	88

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - TCLP Volatiles

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-204979-1	B-1 (0.9-2.2)	84	92	96	86
480-204979-2	B-2 (0.5-1.4)	92	102	96	90
480-204979-3	B-3 (0.6-1.8)	87	96	96	90
480-204979-4	B-4 (0.7-1.7)	91	94	100	91
LB 480-654882/1-A	Method Blank	93	100	102	89

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)
LCS 480-655158/2-A	Lab Control Sample	113	96	49	88	38	115
LCSD 480-655158/3-A	Lab Control Sample Dup	113	93	50	89	39	112
MB 480-655158/1-A	Method Blank	82	83	47	82	31	112

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)
480-204979-1	B-1 (0.9-2.2)	102	94	50	95	34	117

Surrogate Summary

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)
480-204979-2	B-2 (0.5-1.4)	91	90	51	89	34	114
480-204979-3	B-3 (0.6-1.8)	95	90	50	90	32	114
480-204979-4	B-4 (0.7-1.7)	95	91	50	89	34	114
LB 480-654829/1-F	Method Blank	96	88	50	93	33	117

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(65-174)	(65-174)	(60-154)	(60-154)
480-204979-1	B-1 (0.9-2.2)	106	85	104	104
480-204979-2	B-2 (0.5-1.4)	115	92	119	114
480-204979-3	B-3 (0.6-1.8)	98	81	104	102
480-204979-4	B-4 (0.7-1.7)	103	83	106	107
LCS 480-654954/2-A	Lab Control Sample	129	106	130	135
MB 480-654954/1-A	Method Blank	99	89	108	115

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8260C - TCLP Volatiles

Lab Sample ID: MB 480-655113/8
Matrix: Solid
Analysis Batch: 655113

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010		mg/L			01/05/23 10:48	1
1,2-Dichloroethane	0.0010	U	0.0010		mg/L			01/05/23 10:48	1
2-Butanone (MEK)	0.0050	U	0.0050		mg/L			01/05/23 10:48	1
Benzene	0.0010	U	0.0010		mg/L			01/05/23 10:48	1
Carbon tetrachloride	0.0010	U	0.0010		mg/L			01/05/23 10:48	1
Chlorobenzene	0.0010	U	0.0010		mg/L			01/05/23 10:48	1
Chloroform	0.0010	U	0.0010		mg/L			01/05/23 10:48	1
Tetrachloroethene	0.0010	U	0.0010		mg/L			01/05/23 10:48	1
Trichloroethene	0.0010	U	0.0010		mg/L			01/05/23 10:48	1
Vinyl chloride	0.0010	U	0.0010		mg/L			01/05/23 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*01/05/23 10:48*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*01/05/23 10:48*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*01/05/23 10:48*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*01/05/23 10:48*	*1*

Lab Sample ID: LCS 480-655113/5
Matrix: Solid
Analysis Batch: 655113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	0.0250	0.0275		mg/L		110	66 - 127
1,2-Dichloroethane	0.0250	0.0275		mg/L		110	75 - 120
2-Butanone (MEK)	0.125	0.156		mg/L		125	57 - 140
Benzene	0.0250	0.0258		mg/L		103	71 - 124
Carbon tetrachloride	0.0250	0.0339	*+	mg/L		136	72 - 134
Chlorobenzene	0.0250	0.0224		mg/L		90	80 - 120
Chloroform	0.0250	0.0278		mg/L		111	73 - 127
Tetrachloroethene	0.0250	0.0233		mg/L		93	74 - 122
Trichloroethene	0.0250	0.0275		mg/L		110	74 - 123
Vinyl chloride	0.0250	0.0303		mg/L		121	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*
Toluene-d8 (Surr)	*90*		*80 - 120*

Lab Sample ID: LB 480-654882/1-A
Matrix: Solid
Analysis Batch: 655113

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010		mg/L			01/05/23 11:21	10
1,2-Dichloroethane	0.010	U	0.010		mg/L			01/05/23 11:21	10
2-Butanone (MEK)	0.050	U	0.050		mg/L			01/05/23 11:21	10
Benzene	0.010	U	0.010		mg/L			01/05/23 11:21	10

Method: 8260C - TCLP Volatiles (Continued)

Lab Sample ID: LB 480-654882/1-A
Matrix: Solid
Analysis Batch: 655113

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.010	U	0.010		mg/L			01/05/23 11:21	10
Chlorobenzene	0.010	U	0.010		mg/L			01/05/23 11:21	10
Chloroform	0.010	U	0.010		mg/L			01/05/23 11:21	10
Tetrachloroethene	0.010	U	0.010		mg/L			01/05/23 11:21	10
Trichloroethene	0.010	U	0.010		mg/L			01/05/23 11:21	10
Vinyl chloride	0.010	U	0.010		mg/L			01/05/23 11:21	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*01/05/23 11:21*	*10*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*01/05/23 11:21*	*10*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*01/05/23 11:21*	*10*
Toluene-d8 (Surr)	*89*		*80 - 120*		*01/05/23 11:21*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-655158/1-A
Matrix: Solid
Analysis Batch: 655252

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655158

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010		mg/L		01/05/23 10:05	01/06/23 11:23	1
2,4,5-Trichlorophenol	0.0050	U	0.0050		mg/L		01/05/23 10:05	01/06/23 11:23	1
2,4,6-Trichlorophenol	0.0050	U	0.0050		mg/L		01/05/23 10:05	01/06/23 11:23	1
2,4-Dinitrotoluene	0.0050	U	0.0050		mg/L		01/05/23 10:05	01/06/23 11:23	1
2-Methylphenol	0.0050	U	0.0050		mg/L		01/05/23 10:05	01/06/23 11:23	1
3-Methylphenol	0.010	U	0.010		mg/L		01/05/23 10:05	01/06/23 11:23	1
4-Methylphenol	0.010	U	0.010		mg/L		01/05/23 10:05	01/06/23 11:23	1
Hexachlorobenzene	0.0050	U	0.0050		mg/L		01/05/23 10:05	01/06/23 11:23	1
Hexachlorobutadiene	0.0050	U	0.0050		mg/L		01/05/23 10:05	01/06/23 11:23	1
Hexachloroethane	0.0050	U	0.0050		mg/L		01/05/23 10:05	01/06/23 11:23	1
Nitrobenzene	0.0050	U	0.0050		mg/L		01/05/23 10:05	01/06/23 11:23	1
Pentachlorophenol	0.010	U	0.010		mg/L		01/05/23 10:05	01/06/23 11:23	1
Pyridine	0.025	U	0.025		mg/L		01/05/23 10:05	01/06/23 11:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*41 - 120*	*01/05/23 10:05*	*01/06/23 11:23*	*1*
2-Fluorobiphenyl (Surr)	*83*		*48 - 120*	*01/05/23 10:05*	*01/06/23 11:23*	*1*
2-Fluorophenol (Surr)	*47*		*35 - 120*	*01/05/23 10:05*	*01/06/23 11:23*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 120*	*01/05/23 10:05*	*01/06/23 11:23*	*1*
Phenol-d5 (Surr)	*31*		*22 - 120*	*01/05/23 10:05*	*01/06/23 11:23*	*1*
p-Terphenyl-d14 (Surr)	*112*		*60 - 148*	*01/05/23 10:05*	*01/06/23 11:23*	*1*

Lab Sample ID: LCS 480-655158/2-A
Matrix: Solid
Analysis Batch: 655252

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655158

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.0500	0.0319		mg/L		64	51 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-655158/2-A
Matrix: Solid
Analysis Batch: 655252

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655158

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,5-Trichlorophenol			0.0500	0.0521		mg/L		104	65 - 126		
2,4,6-Trichlorophenol			0.0500	0.0501		mg/L		100	64 - 120		
2,4-Dinitrotoluene			0.0500	0.0614	*+	mg/L		123	69 - 120		
2-Methylphenol			0.0500	0.0382		mg/L		76	39 - 120		
3-Methylphenol			0.0500	0.0354		mg/L		71	39 - 120		
4-Methylphenol			0.0500	0.0354		mg/L		71	29 - 131		
Hexachlorobenzene			0.0500	0.0508		mg/L		102	61 - 120		
Hexachlorobutadiene			0.0500	0.0322		mg/L		64	35 - 120		
Hexachloroethane			0.0500	0.0290		mg/L		58	43 - 120		
Nitrobenzene			0.0500	0.0426		mg/L		85	53 - 123		
Pentachlorophenol			0.100	0.117		mg/L		117	29 - 136		
Pyridine			0.100	0.0520		mg/L		52	10 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*113*		*41 - 120*
2-Fluorobiphenyl (Surr)	*96*		*48 - 120*
2-Fluorophenol (Surr)	*49*		*35 - 120*
Nitrobenzene-d5 (Surr)	*88*		*46 - 120*
Phenol-d5 (Surr)	*38*		*22 - 120*
p-Terphenyl-d14 (Surr)	*115*		*60 - 148*

Lab Sample ID: LCSD 480-655158/3-A
Matrix: Solid
Analysis Batch: 655252

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 655158

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0500	0.0324		mg/L		65	51 - 120	1	36
2,4,5-Trichlorophenol			0.0500	0.0513		mg/L		103	65 - 126	2	18
2,4,6-Trichlorophenol			0.0500	0.0514		mg/L		103	64 - 120	3	19
2,4-Dinitrotoluene			0.0500	0.0624	*+	mg/L		125	69 - 120	1	20
2-Methylphenol			0.0500	0.0406		mg/L		81	39 - 120	6	27
3-Methylphenol			0.0500	0.0384		mg/L		77	39 - 120	8	30
4-Methylphenol			0.0500	0.0384		mg/L		77	29 - 131	8	24
Hexachlorobenzene			0.0500	0.0487		mg/L		97	61 - 120	4	15
Hexachlorobutadiene			0.0500	0.0340		mg/L		68	35 - 120	5	44
Hexachloroethane			0.0500	0.0310		mg/L		62	43 - 120	7	46
Nitrobenzene			0.0500	0.0436		mg/L		87	53 - 123	2	24
Pentachlorophenol			0.100	0.117		mg/L		117	29 - 136	1	37
Pyridine			0.100	0.0556		mg/L		56	10 - 120	7	49

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*113*		*41 - 120*
2-Fluorobiphenyl (Surr)	*93*		*48 - 120*
2-Fluorophenol (Surr)	*50*		*35 - 120*
Nitrobenzene-d5 (Surr)	*89*		*46 - 120*
Phenol-d5 (Surr)	*39*		*22 - 120*
p-Terphenyl-d14 (Surr)	*112*		*60 - 148*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 480-654829/1-F
Matrix: Solid
Analysis Batch: 655252

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 655158

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 12:37	1
2,4,5-Trichlorophenol	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 12:37	1
2,4,6-Trichlorophenol	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 12:37	1
2,4-Dinitrotoluene	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 12:37	1
2-Methylphenol	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 12:37	1
3-Methylphenol	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 12:37	1
4-Methylphenol	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 12:37	1
Hexachlorobenzene	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 12:37	1
Hexachlorobutadiene	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 12:37	1
Hexachloroethane	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 12:37	1
Nitrobenzene	0.020	U	0.020		mg/L		01/05/23 10:05	01/06/23 12:37	1
Pentachlorophenol	0.040	U	0.040		mg/L		01/05/23 10:05	01/06/23 12:37	1
Pyridine	0.10	U	0.10		mg/L		01/05/23 10:05	01/06/23 12:37	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*41 - 120*	*01/05/23 10:05*	*01/06/23 12:37*	*1*
2-Fluorobiphenyl (Surr)	*88*		*48 - 120*	*01/05/23 10:05*	*01/06/23 12:37*	*1*
2-Fluorophenol (Surr)	*50*		*35 - 120*	*01/05/23 10:05*	*01/06/23 12:37*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 120*	*01/05/23 10:05*	*01/06/23 12:37*	*1*
Phenol-d5 (Surr)	*33*		*22 - 120*	*01/05/23 10:05*	*01/06/23 12:37*	*1*
p-Terphenyl-d14 (Surr)	*117*		*60 - 148*	*01/05/23 10:05*	*01/06/23 12:37*	*1*

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

Lab Sample ID: MB 480-654954/1-A
Matrix: Solid
Analysis Batch: 655094

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 654954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.24	U	0.24		mg/Kg		01/04/23 07:08	01/04/23 19:03	1
PCB-1221	0.24	U	0.24		mg/Kg		01/04/23 07:08	01/04/23 19:03	1
PCB-1232	0.24	U	0.24		mg/Kg		01/04/23 07:08	01/04/23 19:03	1
PCB-1242	0.24	U	0.24		mg/Kg		01/04/23 07:08	01/04/23 19:03	1
PCB-1248	0.24	U	0.24		mg/Kg		01/04/23 07:08	01/04/23 19:03	1
PCB-1254	0.24	U	0.24		mg/Kg		01/04/23 07:08	01/04/23 19:03	1
PCB-1260	0.24	U	0.24		mg/Kg		01/04/23 07:08	01/04/23 19:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*65 - 174*	*01/04/23 07:08*	*01/04/23 19:03*	*1*
DCB Decachlorobiphenyl	*89*		*65 - 174*	*01/04/23 07:08*	*01/04/23 19:03*	*1*
Tetrachloro-m-xylene	*108*		*60 - 154*	*01/04/23 07:08*	*01/04/23 19:03*	*1*
Tetrachloro-m-xylene	*115*		*60 - 154*	*01/04/23 07:08*	*01/04/23 19:03*	*1*

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

Lab Sample ID: LCS 480-654954/2-A
Matrix: Solid
Analysis Batch: 655094

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 654954

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2.12	2.65		mg/Kg		125	51 - 185		
PCB-1260			2.12	2.19		mg/Kg		103	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*129*		*65 - 174*
DCB Decachlorobiphenyl	*106*		*65 - 174*
Tetrachloro-m-xylene	*130*		*60 - 154*
Tetrachloro-m-xylene	*135*		*60 - 154*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-655024/2-A
Matrix: Solid
Analysis Batch: 655173

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655024

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015		mg/L		01/04/23 10:52	01/04/23 19:31	1
Barium	1.0	U	1.0		mg/L		01/04/23 10:52	01/04/23 19:31	1
Cadmium	0.0020	U	0.0020		mg/L		01/04/23 10:52	01/04/23 19:31	1
Chromium	0.020	U	0.020		mg/L		01/04/23 10:52	01/04/23 19:31	1
Lead	0.020	U	0.020		mg/L		01/04/23 10:52	01/04/23 19:31	1
Selenium	0.025	U	0.025		mg/L		01/04/23 10:52	01/04/23 19:31	1
Silver	0.0060	U	0.0060		mg/L		01/04/23 10:52	01/04/23 19:31	1

Lab Sample ID: LCS 480-655024/3-A
Matrix: Solid
Analysis Batch: 655173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655024

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			1.00	1.10		mg/L		110	80 - 120		
Barium			1.00	0.973	J	mg/L		97	80 - 120		
Cadmium			1.00	1.05		mg/L		105	80 - 120		
Chromium			1.00	1.02		mg/L		102	80 - 120		
Lead			1.00	1.01		mg/L		101	80 - 120		
Selenium			1.00	1.11		mg/L		111	80 - 120		
Silver			1.00	1.12		mg/L		112	80 - 120		

Lab Sample ID: LB 480-654829/1-B
Matrix: Solid
Analysis Batch: 655142

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 655024

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015		mg/L		01/04/23 10:52	01/04/23 19:16	1
Barium	1.0	U	1.0		mg/L		01/04/23 10:52	01/04/23 19:16	1
Cadmium	0.0020	U	0.0020		mg/L		01/04/23 10:52	01/04/23 19:16	1
Chromium	0.020	U	0.020		mg/L		01/04/23 10:52	01/04/23 19:16	1
Lead	0.020	U	0.020		mg/L		01/04/23 10:52	01/04/23 19:16	1
Selenium	0.025	U	0.025		mg/L		01/04/23 10:52	01/04/23 19:16	1
Silver	0.0060	U	0.0060		mg/L		01/04/23 10:52	01/04/23 19:16	1

Method: 6010C - Metals (ICP)

Lab Sample ID: 480-204979-2 MS
Matrix: Solid
Analysis Batch: 655173

Client Sample ID: B-2 (0.5-1.4)
Prep Type: TCLP
Prep Batch: 655024

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.015	U	1.00	1.14		mg/L		114	75 - 125
Barium	1.0	U	1.00	1.31		mg/L		101	75 - 125
Cadmium	0.0020	U	1.00	1.10		mg/L		110	75 - 125
Chromium	0.020	U	1.00	1.00		mg/L		100	75 - 125
Lead	0.020	U	1.00	1.03		mg/L		103	75 - 125
Selenium	0.025	U	1.00	1.13		mg/L		113	75 - 125
Silver	0.0060	U	1.00	1.17		mg/L		117	75 - 125

Lab Sample ID: 480-204979-2 MSD
Matrix: Solid
Analysis Batch: 655173

Client Sample ID: B-2 (0.5-1.4)
Prep Type: TCLP
Prep Batch: 655024

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.015	U	1.00	1.11		mg/L		111	75 - 125	2	20
Barium	1.0	U	1.00	1.28		mg/L		98	75 - 125	2	20
Cadmium	0.0020	U	1.00	1.07		mg/L		107	75 - 125	3	20
Chromium	0.020	U	1.00	1.00		mg/L		100	75 - 125	0	20
Lead	0.020	U	1.00	1.01		mg/L		100	75 - 125	2	20
Selenium	0.025	U	1.00	1.11		mg/L		111	75 - 125	3	20
Silver	0.0060	U	1.00	1.15		mg/L		115	75 - 125	2	20

Method: 7470A - TCLP Mercury

Lab Sample ID: MB 480-655029/2-A
Matrix: Solid
Analysis Batch: 655090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020		mg/L		01/04/23 11:34	01/04/23 16:02	1

Lab Sample ID: LCS 480-655029/3-A
Matrix: Solid
Analysis Batch: 655090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00680	0.00613		mg/L		90	80 - 120

Lab Sample ID: LB 480-654829/1-C
Matrix: Solid
Analysis Batch: 655090

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 655029

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020		mg/L		01/04/23 11:34	01/04/23 16:01	1

Lab Sample ID: 480-204979-2 MS
Matrix: Solid
Analysis Batch: 655090

Client Sample ID: B-2 (0.5-1.4)
Prep Type: TCLP
Prep Batch: 655029

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00020	U	0.00680	0.00597		mg/L		88	80 - 120

Method: 7470A - TCLP Mercury

Lab Sample ID: 480-204979-2 MSD
Matrix: Solid
Analysis Batch: 655090

Client Sample ID: B-2 (0.5-1.4)
Prep Type: TCLP
Prep Batch: 655029

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00020	U	0.00680	0.00592		mg/L		87	80 - 120	1	20

Method: 1010A - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: 480-204979-4 DU
Matrix: Solid
Analysis Batch: 655104

Client Sample ID: B-4 (0.7-1.7)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Flashpoint	>175		>175.0		Degrees F		NC	10

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-654396/1-A
Matrix: Solid
Analysis Batch: 654424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 654396

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	10.0	U	10.0		mg/Kg		12/22/22 14:12	12/22/22 15:16	1

Lab Sample ID: LCS 480-654396/2-A
Matrix: Solid
Analysis Batch: 654424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 654396

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	1000	262.5		mg/Kg		26	10 - 100

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-654403/1-A
Matrix: Solid
Analysis Batch: 654421

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 654403

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	10.0	U	10.0		mg/Kg		12/22/22 14:43	12/22/22 16:07	1

Lab Sample ID: LCS 480-654403/2-A
Matrix: Solid
Analysis Batch: 654421

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 654403

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	900	500.9		mg/Kg		56	10 - 100

Method: 9045D - pH

Lab Sample ID: LCS 480-654430/1
Matrix: Solid
Analysis Batch: 654430

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	99 - 101

QC Association Summary

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

GC/MS VOA

Leach Batch: 654882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	TCLP	Solid	1311	
480-204979-2	B-2 (0.5-1.4)	TCLP	Solid	1311	
480-204979-3	B-3 (0.6-1.8)	TCLP	Solid	1311	
480-204979-4	B-4 (0.7-1.7)	TCLP	Solid	1311	
LB 480-654882/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 655113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	TCLP	Solid	8260C	654882
480-204979-2	B-2 (0.5-1.4)	TCLP	Solid	8260C	654882
480-204979-3	B-3 (0.6-1.8)	TCLP	Solid	8260C	654882
480-204979-4	B-4 (0.7-1.7)	TCLP	Solid	8260C	654882
LB 480-654882/1-A	Method Blank	TCLP	Solid	8260C	654882
MB 480-655113/8	Method Blank	Total/NA	Solid	8260C	
LCS 480-655113/5	Lab Control Sample	Total/NA	Solid	8260C	

GC/MS Semi VOA

Leach Batch: 654829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	TCLP	Solid	1311	
480-204979-2	B-2 (0.5-1.4)	TCLP	Solid	1311	
480-204979-3	B-3 (0.6-1.8)	TCLP	Solid	1311	
480-204979-4	B-4 (0.7-1.7)	TCLP	Solid	1311	
LB 480-654829/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 655158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	TCLP	Solid	3510C	654829
480-204979-2	B-2 (0.5-1.4)	TCLP	Solid	3510C	654829
480-204979-3	B-3 (0.6-1.8)	TCLP	Solid	3510C	654829
480-204979-4	B-4 (0.7-1.7)	TCLP	Solid	3510C	654829
LB 480-654829/1-F	Method Blank	TCLP	Solid	3510C	654829
MB 480-655158/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-655158/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-655158/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 655252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	TCLP	Solid	8270D	655158
480-204979-2	B-2 (0.5-1.4)	TCLP	Solid	8270D	655158
480-204979-3	B-3 (0.6-1.8)	TCLP	Solid	8270D	655158
480-204979-4	B-4 (0.7-1.7)	TCLP	Solid	8270D	655158
LB 480-654829/1-F	Method Blank	TCLP	Solid	8270D	655158
MB 480-655158/1-A	Method Blank	Total/NA	Solid	8270D	655158
LCS 480-655158/2-A	Lab Control Sample	Total/NA	Solid	8270D	655158
LCSD 480-655158/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	655158

GC Semi VOA

Prep Batch: 654954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	Total/NA	Solid	3550C	
480-204979-2	B-2 (0.5-1.4)	Total/NA	Solid	3550C	
480-204979-3	B-3 (0.6-1.8)	Total/NA	Solid	3550C	
480-204979-4	B-4 (0.7-1.7)	Total/NA	Solid	3550C	
MB 480-654954/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-654954/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 655094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	Total/NA	Solid	8082A	654954
480-204979-2	B-2 (0.5-1.4)	Total/NA	Solid	8082A	654954
480-204979-3	B-3 (0.6-1.8)	Total/NA	Solid	8082A	654954
480-204979-4	B-4 (0.7-1.7)	Total/NA	Solid	8082A	654954
MB 480-654954/1-A	Method Blank	Total/NA	Solid	8082A	654954
LCS 480-654954/2-A	Lab Control Sample	Total/NA	Solid	8082A	654954

Metals

Leach Batch: 654829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	TCLP	Solid	1311	
480-204979-2	B-2 (0.5-1.4)	TCLP	Solid	1311	
480-204979-3	B-3 (0.6-1.8)	TCLP	Solid	1311	
480-204979-4	B-4 (0.7-1.7)	TCLP	Solid	1311	
LB 480-654829/1-B	Method Blank	TCLP	Solid	1311	
LB 480-654829/1-C	Method Blank	TCLP	Solid	1311	
480-204979-2 MS	B-2 (0.5-1.4)	TCLP	Solid	1311	
480-204979-2 MSD	B-2 (0.5-1.4)	TCLP	Solid	1311	

Prep Batch: 655024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	TCLP	Solid	3010A	654829
480-204979-2	B-2 (0.5-1.4)	TCLP	Solid	3010A	654829
480-204979-3	B-3 (0.6-1.8)	TCLP	Solid	3010A	654829
480-204979-4	B-4 (0.7-1.7)	TCLP	Solid	3010A	654829
LB 480-654829/1-B	Method Blank	TCLP	Solid	3010A	654829
MB 480-655024/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-655024/3-A	Lab Control Sample	Total/NA	Solid	3010A	
480-204979-2 MS	B-2 (0.5-1.4)	TCLP	Solid	3010A	654829
480-204979-2 MSD	B-2 (0.5-1.4)	TCLP	Solid	3010A	654829

Prep Batch: 655029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	TCLP	Solid	7470A	654829
480-204979-2	B-2 (0.5-1.4)	TCLP	Solid	7470A	654829
480-204979-3	B-3 (0.6-1.8)	TCLP	Solid	7470A	654829
480-204979-4	B-4 (0.7-1.7)	TCLP	Solid	7470A	654829
LB 480-654829/1-C	Method Blank	TCLP	Solid	7470A	654829
MB 480-655029/2-A	Method Blank	Total/NA	Solid	7470A	
LCS 480-655029/3-A	Lab Control Sample	Total/NA	Solid	7470A	
480-204979-2 MS	B-2 (0.5-1.4)	TCLP	Solid	7470A	654829

Metals (Continued)

Prep Batch: 655029 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-2 MSD	B-2 (0.5-1.4)	TCLP	Solid	7470A	654829

Analysis Batch: 655090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	TCLP	Solid	7470A	655029
480-204979-2	B-2 (0.5-1.4)	TCLP	Solid	7470A	655029
480-204979-3	B-3 (0.6-1.8)	TCLP	Solid	7470A	655029
480-204979-4	B-4 (0.7-1.7)	TCLP	Solid	7470A	655029
LB 480-654829/1-C	Method Blank	TCLP	Solid	7470A	655029
MB 480-655029/2-A	Method Blank	Total/NA	Solid	7470A	655029
LCS 480-655029/3-A	Lab Control Sample	Total/NA	Solid	7470A	655029
480-204979-2 MS	B-2 (0.5-1.4)	TCLP	Solid	7470A	655029
480-204979-2 MSD	B-2 (0.5-1.4)	TCLP	Solid	7470A	655029

Analysis Batch: 655142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-654829/1-B	Method Blank	TCLP	Solid	6010C	655024

Analysis Batch: 655173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	TCLP	Solid	6010C	655024
480-204979-2	B-2 (0.5-1.4)	TCLP	Solid	6010C	655024
480-204979-3	B-3 (0.6-1.8)	TCLP	Solid	6010C	655024
480-204979-4	B-4 (0.7-1.7)	TCLP	Solid	6010C	655024
MB 480-655024/2-A	Method Blank	Total/NA	Solid	6010C	655024
LCS 480-655024/3-A	Lab Control Sample	Total/NA	Solid	6010C	655024
480-204979-2 MS	B-2 (0.5-1.4)	TCLP	Solid	6010C	655024
480-204979-2 MSD	B-2 (0.5-1.4)	TCLP	Solid	6010C	655024

General Chemistry

Prep Batch: 654396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	Total/NA	Solid	7.3.3	
480-204979-2	B-2 (0.5-1.4)	Total/NA	Solid	7.3.3	
480-204979-3	B-3 (0.6-1.8)	Total/NA	Solid	7.3.3	
480-204979-4	B-4 (0.7-1.7)	Total/NA	Solid	7.3.3	
MB 480-654396/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 480-654396/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	

Prep Batch: 654403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	Total/NA	Solid	7.3.4	
480-204979-2	B-2 (0.5-1.4)	Total/NA	Solid	7.3.4	
480-204979-3	B-3 (0.6-1.8)	Total/NA	Solid	7.3.4	
480-204979-4	B-4 (0.7-1.7)	Total/NA	Solid	7.3.4	
MB 480-654403/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCS 480-654403/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	

QC Association Summary

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

General Chemistry

Analysis Batch: 654421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	Total/NA	Solid	9034	654403
480-204979-2	B-2 (0.5-1.4)	Total/NA	Solid	9034	654403
480-204979-3	B-3 (0.6-1.8)	Total/NA	Solid	9034	654403
480-204979-4	B-4 (0.7-1.7)	Total/NA	Solid	9034	654403
MB 480-654403/1-A	Method Blank	Total/NA	Solid	9034	654403
LCS 480-654403/2-A	Lab Control Sample	Total/NA	Solid	9034	654403

Analysis Batch: 654423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	Total/NA	Solid	Moisture	
480-204979-2	B-2 (0.5-1.4)	Total/NA	Solid	Moisture	
480-204979-3	B-3 (0.6-1.8)	Total/NA	Solid	Moisture	
480-204979-4	B-4 (0.7-1.7)	Total/NA	Solid	Moisture	

Analysis Batch: 654424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	Total/NA	Solid	9012	654396
480-204979-2	B-2 (0.5-1.4)	Total/NA	Solid	9012	654396
480-204979-3	B-3 (0.6-1.8)	Total/NA	Solid	9012	654396
480-204979-4	B-4 (0.7-1.7)	Total/NA	Solid	9012	654396
MB 480-654396/1-A	Method Blank	Total/NA	Solid	9012	654396
LCS 480-654396/2-A	Lab Control Sample	Total/NA	Solid	9012	654396

Analysis Batch: 654430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	Total/NA	Solid	9045D	
480-204979-2	B-2 (0.5-1.4)	Total/NA	Solid	9045D	
480-204979-3	B-3 (0.6-1.8)	Total/NA	Solid	9045D	
480-204979-4	B-4 (0.7-1.7)	Total/NA	Solid	9045D	
LCS 480-654430/1	Lab Control Sample	Total/NA	Solid	9045D	

Analysis Batch: 655104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204979-1	B-1 (0.9-2.2)	Total/NA	Solid	1010A	
480-204979-2	B-2 (0.5-1.4)	Total/NA	Solid	1010A	
480-204979-3	B-3 (0.6-1.8)	Total/NA	Solid	1010A	
480-204979-4	B-4 (0.7-1.7)	Total/NA	Solid	1010A	
LCS 480-655104/1	Lab Control Sample	Total/NA	Solid	1010A	
480-204979-4 DU	B-4 (0.7-1.7)	Total/NA	Solid	1010A	

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Client Sample ID: B-1 (0.9-2.2)
Lab Sample ID: 480-204979-1
Date Collected: 12/21/22 11:40
Matrix: Solid
Date Received: 12/21/22 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			654882	BML	EET BUF	01/03/23 12:18 - 01/04/23 11:55 [1]
TCLP	Analysis	8260C		10	655113	LCH	EET BUF	01/05/23 12:06
TCLP	Leach	1311			654829	BML	EET BUF	01/03/23 09:30 - 01/04/23 10:16 [1]
TCLP	Prep	3510C			655158	JMP	EET BUF	01/05/23 10:05
TCLP	Analysis	8270D		1	655252	JMM	EET BUF	01/06/23 13:02
TCLP	Leach	1311			654829	BML	EET BUF	01/03/23 09:30 - 01/04/23 10:16 [1]
TCLP	Prep	3010A			655024	VAK	EET BUF	01/04/23 10:52
TCLP	Analysis	6010C		1	655173	LMH	EET BUF	01/04/23 19:43
TCLP	Leach	1311			654829	BML	EET BUF	01/03/23 09:30 - 01/04/23 10:16 [1]
TCLP	Prep	7470A			655029	VAK	EET BUF	01/04/23 11:34
TCLP	Analysis	7470A		1	655090	NVK	EET BUF	01/04/23 16:06
Total/NA	Analysis	1010A		1	655104	EJL	EET BUF	01/04/23 18:41
Total/NA	Prep	7.3.3			654396	HJH	EET BUF	12/22/22 14:12
Total/NA	Analysis	9012		1	654424	HJH	EET BUF	12/22/22 15:21
Total/NA	Prep	7.3.4			654403	HJH	EET BUF	12/22/22 14:43
Total/NA	Analysis	9034		1	654421	HJH	EET BUF	12/22/22 16:07
Total/NA	Analysis	9045D		1	654430	EJL	EET BUF	12/22/22 14:30
Total/NA	Analysis	Moisture		1	654423	KER	EET BUF	12/22/22 16:14

Client Sample ID: B-1 (0.9-2.2)
Lab Sample ID: 480-204979-1
Date Collected: 12/21/22 11:40
Matrix: Solid
Date Received: 12/21/22 15:10
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			654954	SMP	EET BUF	01/04/23 07:08
Total/NA	Analysis	8082A		1	655094	NC	EET BUF	01/04/23 20:10

Client Sample ID: B-2 (0.5-1.4)
Lab Sample ID: 480-204979-2
Date Collected: 12/21/22 11:20
Matrix: Solid
Date Received: 12/21/22 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			654882	BML	EET BUF	01/03/23 12:18 - 01/04/23 11:55 [1]
TCLP	Analysis	8260C		10	655113	LCH	EET BUF	01/05/23 12:29
TCLP	Leach	1311			654829	BML	EET BUF	01/03/23 09:30 - 01/04/23 10:16 [1]
TCLP	Prep	3510C			655158	JMP	EET BUF	01/05/23 10:05
TCLP	Analysis	8270D		1	655252	JMM	EET BUF	01/06/23 13:27
TCLP	Leach	1311			654829	BML	EET BUF	01/03/23 09:30 - 01/04/23 10:16 [1]
TCLP	Prep	3010A			655024	VAK	EET BUF	01/04/23 10:52
TCLP	Analysis	6010C		1	655173	LMH	EET BUF	01/04/23 19:47
TCLP	Leach	1311			654829	BML	EET BUF	01/03/23 09:30 - 01/04/23 10:16 [1]
TCLP	Prep	7470A			655029	VAK	EET BUF	01/04/23 11:34
TCLP	Analysis	7470A		1	655090	NVK	EET BUF	01/04/23 16:07
Total/NA	Analysis	1010A		1	655104	EJL	EET BUF	01/04/23 18:41

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Client Sample ID: B-2 (0.5-1.4)
Lab Sample ID: 480-204979-2
Date Collected: 12/21/22 11:20
Matrix: Solid
Date Received: 12/21/22 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7.3.3			654396	HJH	EET BUF	12/22/22 14:12
Total/NA	Analysis	9012		1	654424	HJH	EET BUF	12/22/22 15:23
Total/NA	Prep	7.3.4			654403	HJH	EET BUF	12/22/22 14:43
Total/NA	Analysis	9034		1	654421	HJH	EET BUF	12/22/22 16:07
Total/NA	Analysis	9045D		1	654430	EJL	EET BUF	12/22/22 14:30
Total/NA	Analysis	Moisture		1	654423	KER	EET BUF	12/22/22 16:14

Client Sample ID: B-2 (0.5-1.4)
Lab Sample ID: 480-204979-2
Date Collected: 12/21/22 11:20
Matrix: Solid
Date Received: 12/21/22 15:10
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			654954	SMP	EET BUF	01/04/23 07:08
Total/NA	Analysis	8082A		1	655094	NC	EET BUF	01/04/23 20:24

Client Sample ID: B-3 (0.6-1.8)
Lab Sample ID: 480-204979-3
Date Collected: 12/21/22 10:45
Matrix: Solid
Date Received: 12/21/22 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			654882	BML	EET BUF	01/03/23 12:18 - 01/04/23 11:55 [1]
TCLP	Analysis	8260C		10	655113	LCH	EET BUF	01/05/23 12:52
TCLP	Leach	1311			654829	BML	EET BUF	01/03/23 09:30 - 01/04/23 10:16 [1]
TCLP	Prep	3510C			655158	JMP	EET BUF	01/05/23 10:05
TCLP	Analysis	8270D		1	655252	JMM	EET BUF	01/06/23 13:52
TCLP	Leach	1311			654829	BML	EET BUF	01/03/23 09:30 - 01/04/23 10:16 [1]
TCLP	Prep	3010A			655024	VAK	EET BUF	01/04/23 10:52
TCLP	Analysis	6010C		1	655173	LMH	EET BUF	01/04/23 20:19
TCLP	Leach	1311			654829	BML	EET BUF	01/03/23 09:30 - 01/04/23 10:16 [1]
TCLP	Prep	7470A			655029	VAK	EET BUF	01/04/23 11:34
TCLP	Analysis	7470A		1	655090	NVK	EET BUF	01/04/23 16:15
Total/NA	Analysis	1010A		1	655104	EJL	EET BUF	01/04/23 18:41
Total/NA	Prep	7.3.3			654396	HJH	EET BUF	12/22/22 14:12
Total/NA	Analysis	9012		1	654424	HJH	EET BUF	12/22/22 15:24
Total/NA	Prep	7.3.4			654403	HJH	EET BUF	12/22/22 14:43
Total/NA	Analysis	9034		1	654421	HJH	EET BUF	12/22/22 16:07
Total/NA	Analysis	9045D		1	654430	EJL	EET BUF	12/22/22 14:30
Total/NA	Analysis	Moisture		1	654423	KER	EET BUF	12/22/22 16:14

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Client Sample ID: B-3 (0.6-1.8)
Lab Sample ID: 480-204979-3
Date Collected: 12/21/22 10:45
Matrix: Solid
Date Received: 12/21/22 15:10
Percent Solids: 76.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			654954	SMP	EET BUF	01/04/23 07:08
Total/NA	Analysis	8082A		1	655094	NC	EET BUF	01/04/23 20:37

Client Sample ID: B-4 (0.7-1.7)
Lab Sample ID: 480-204979-4
Date Collected: 12/21/22 10:20
Matrix: Solid
Date Received: 12/21/22 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			654882	BML	EET BUF	01/03/23 12:18 - 01/04/23 11:55 [1]
TCLP	Analysis	8260C		10	655113	LCH	EET BUF	01/05/23 13:15
TCLP	Leach	1311			654829	BML	EET BUF	01/03/23 09:30 - 01/04/23 10:16 [1]
TCLP	Prep	3510C			655158	JMP	EET BUF	01/05/23 10:05
TCLP	Analysis	8270D		1	655252	JMM	EET BUF	01/06/23 14:16
TCLP	Leach	1311			654829	BML	EET BUF	01/03/23 09:30 - 01/04/23 10:16 [1]
TCLP	Prep	3010A			655024	VAK	EET BUF	01/04/23 10:52
TCLP	Analysis	6010C		1	655173	LMH	EET BUF	01/04/23 20:23
TCLP	Leach	1311			654829	BML	EET BUF	01/03/23 09:30 - 01/04/23 10:16 [1]
TCLP	Prep	7470A			655029	VAK	EET BUF	01/04/23 11:34
TCLP	Analysis	7470A		1	655090	NVK	EET BUF	01/04/23 16:16
Total/NA	Analysis	1010A		1	655104	EJL	EET BUF	01/04/23 18:41
Total/NA	Prep	7.3.3			654396	HJH	EET BUF	12/22/22 14:12
Total/NA	Analysis	9012		1	654424	HJH	EET BUF	12/22/22 15:26
Total/NA	Prep	7.3.4			654403	HJH	EET BUF	12/22/22 14:43
Total/NA	Analysis	9034		1	654421	HJH	EET BUF	12/22/22 16:07
Total/NA	Analysis	9045D		1	654430	EJL	EET BUF	12/22/22 14:30
Total/NA	Analysis	Moisture		1	654423	KER	EET BUF	12/22/22 16:14

Client Sample ID: B-4 (0.7-1.7)
Lab Sample ID: 480-204979-4
Date Collected: 12/21/22 10:20
Matrix: Solid
Date Received: 12/21/22 15:10
Percent Solids: 78.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			654954	SMP	EET BUF	01/04/23 07:08
Total/NA	Analysis	8082A		1	655094	NC	EET BUF	01/04/23 20:51

[1] Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
9012	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9045D		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Method	Method Description	Protocol	Laboratory
8260C	TCLP Volatiles	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7470A	TCLP Mercury	SW846	EET BUF
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	EET BUF
9012	Cyanide, Reactive	SW846	EET BUF
9034	Sulfide, Reactive	SW846	EET BUF
9045D	pH	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
1311	TCLP Extraction	SW846	EET BUF
3010A	Preparation, Total Metals	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
7.3.3	Cyanide, Reactive	SW846	EET BUF
7.3.4	Sulfide, Reactive	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Job ID: 480-204979-1
Project/Site: National Grid – Station 162 Expansion Area

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-204979-1	B-1 (0.9-2.2)	Solid	12/21/22 11:40	12/21/22 15:10
480-204979-2	B-2 (0.5-1.4)	Solid	12/21/22 11:20	12/21/22 15:10
480-204979-3	B-3 (0.6-1.8)	Solid	12/21/22 10:45	12/21/22 15:10
480-204979-4	B-4 (0.7-1.7)	Solid	12/21/22 10:20	12/21/22 15:10

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Joshua Miller	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-180242-38511.1
Client Contact: Mr. Michael Jones	Phone: (315) 486-1419	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 1
Company: ARCADIS U.S. Inc	PWSID:			Job #:
Address: One Lincoln Center 110 West Fayette St, Suite 300	Due Date Requested:			
City: Syracuse	TAT Requested (days): STANDARD			
State, Zip: NY, 13202	Compliance Project: Δ Yes Δ No			
Phone: 315-671-9211(Tel)	PO #: Purchase Order Requested			
Email: michael.jones@arcadis.com	WO #:			
Project Name: National Grid - Dewey Avenue Site	Project #: 48024791			
Site: National Grid - Dewey Avenue Site	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1010A, 9012_ReactiveCN, 9034_Reactive, 9045D	6010C, 7470A, 8270D	8260C - TCLP Volatiles	8082A - TCL PCBs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
B-1 (1.9-2.2)	12/21/22	1140	C	Solid			X	X	X	X	4	
B-2 (0.5-1.4)	12/21/22	1120	C	Solid			X	X	X	X	4	
B-3 (0.10-1.8)	12/21/22	1045	C	Solid			X	X	X	X	4	
B-4 (0.7-1.7)	12/21/22	1020	C	Solid			X	X	X	X	4	
				Solid								

480-204979 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		12/21/22 1510	Arcadis			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	12/22/22 1510	TNR

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.7 + 0

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-204979-1

Login Number: 204979
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	