



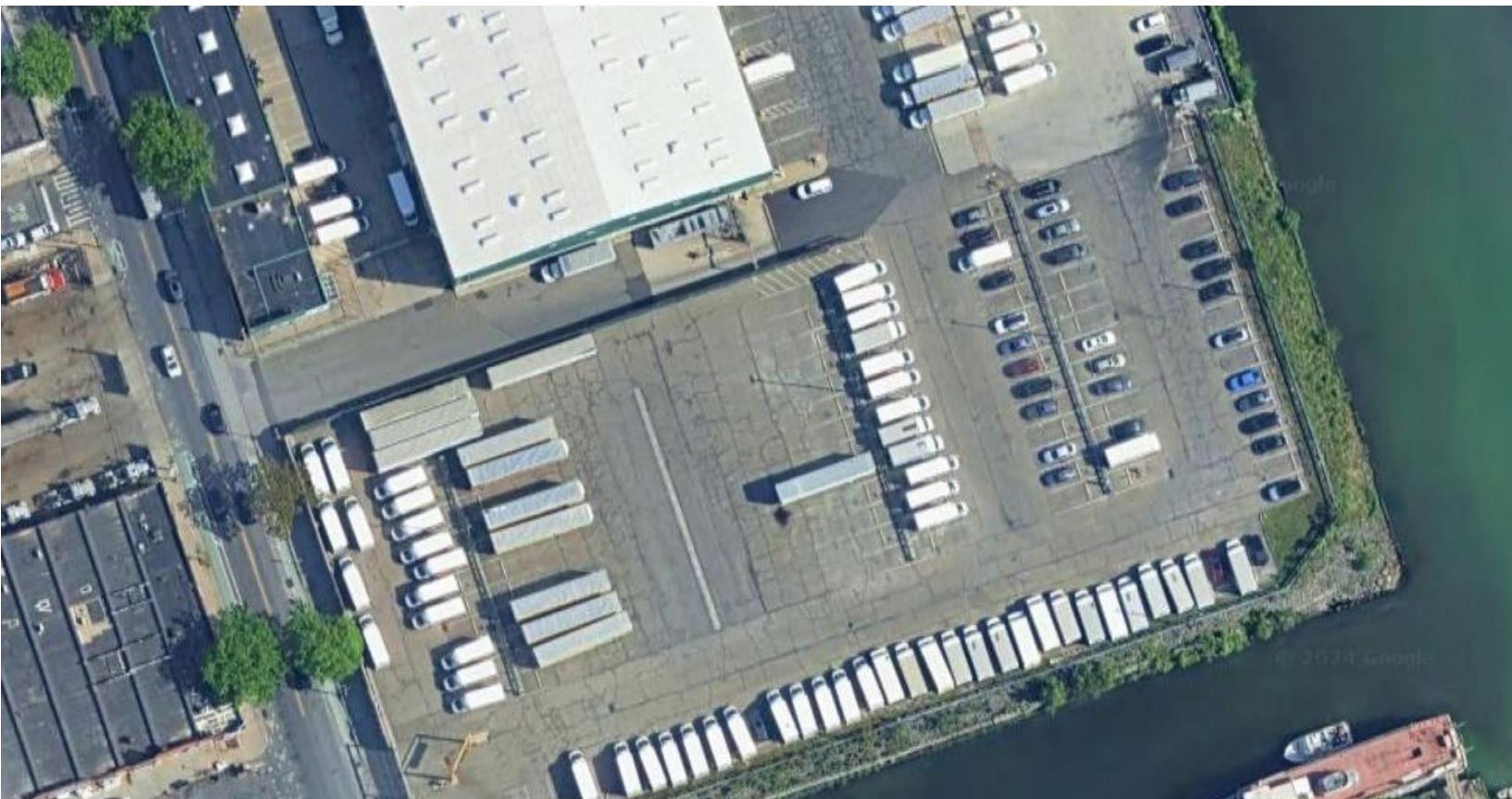
Periodic Review Report

**Frito-Lay BCP Site (#C224133) – November
22, 2016 to March 31, 2025 Reporting
Period**

Frito-Lay-Pepsico

April 11, 2025, Revised: January 16, 2026

➔ **The Power of Commitment**





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



Site No. **C224133** **Site Details** **Box 1**

Site Name Frito Lay

Site Address: 202-218 Morgan Avenue Zip Code: 11237
City/Town: Brooklyn
County: Kings
Site Acreage: 2.760

Reporting Period: November 22, 2016 to March 31, 2025

- | | YES | NO |
|---|-------------------------------------|-------------------------------------|
| 1. Is the information above correct? | ☒ | ☐ |
| 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? | ☒ | ☐ |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | ☐ | ☒ |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | ☐ | ☒ |
| If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.
Documentation included in the PRR. | | |
| 5. Is the site currently undergoing development? | ☐ | ☒ |

- | | Box 2 | |
|---|-------------------------------------|--------------------------|
| | YES | NO |
| 6. Is the current site use consistent with the use(s) listed below?
Industrial | ☒ | ☐ |
| 7. Are all ICs in place and functioning as designed? | ☒ | ☐ |

**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

		Box 2A	
		YES	NO
8.	Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.			
9.	Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.			

SITE NO. C224133	Box 3
Description of Institutional Controls	

Parcel**3-02942-0105**Owner

Bridge Logistics Properties

Institutional Control

Soil Management Plan
Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure

2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may

allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0111

Bridge Logistics Properties

Soil Management Plan
Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

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The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

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The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

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allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0112

Bridge Logistics Properties

Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Soil Management Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

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Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

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All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

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Box 4

Description of Engineering Controls

Parcel

3-02942-0105

Engineering Control

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the

ParcelEngineering Control

property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0111

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

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The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0112

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Parcel

Engineering Control

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

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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 complete.

YES NO

☒ ☐

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

☒ ☐

**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. C224133

Box 6
(1 of 2)

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 Keith D. Massa at 7701 Legacy Drive, Plano, TX 75024,
print name print business address
am certifying as Owner during the period
November 22, 2016 through December 16, 2024 (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

3/25/25
Date

IC CERTIFICATIONS
SITE NO. C224133

Box 6
(2 of 2)

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 Brian Gagne at 1 Meadowlands Plaza, Suite 201,
East Rutherford, NJ 07073,
print name print business address

am certifying as Owner during the period
December 17, 2024 through March 31, 2025 (Owner or Remedial Party)

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

Signed by:
Brian Gagne 3/24/2025
Signature of Owner, Remedial Party, or Designated Representative Date
Rendering Certification

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I Jeffrey Paul Lambert, P.E. at GHD Consulting Services Inc.
5788 Widewaters Parkway, Syracuse, New York 13214,
print name print business address

am certifying as a Professional Engineer for the Owners
(Owner or Remedial Party)



3/31/2025

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

Stamp
(Required for PE)

Date

Project name		Pepsi-Morgan Avenue Brooklyn BCP Site					
Document title		Periodic Review Report Frito-Lay BCP Site (#C224133) – November 22, 2016 to March 31, 2025 Reporting Period					
Project number		12574234					
File name		12574234-RPT-PRR - Nov. 2016 to Mar. 2025.docx					
Status Code	Revision	Author	Reviewer		Approved for issue		
			Name	Signature	Name	Signature	Date
S0	0	Sarah King	Katherine Galanti		Ian McNamara		2/5/25
S4	1	Andrew Martin	Katherine Galanti		Ian McNamara		3/18/25
S4	2	Andrew Martin	Katherine Galanti		Ian McNamara		4/11/25
S4	3	Shaun McEvoy	Katherine Galanti		Ian McNamara		1/16/26

GHD 337

Contact: Ian McNamara, Project Director | GHD

5788 Widewaters Parkway, Suite 2A

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Executive Summary

The Frito-Lay Brownfield Cleanup Program (BCP) Site (BCP Site #224133) consists of approximately 2.76-acres of land located at 202-218 Morgan Avenue, Borough of Brooklyn, Kings County, New York. The Site is currently owned by BLUSV II NY 222 Morgan Ave LP (BLUSV II; also referred to as Bridge Logistics Properties) after being conveyed to them by Rolling Frito-Lay Sales, LP (Frito-Lay) on December 17, 2024. The Site soil and groundwater were historically found to be contaminated with metals, polychlorinated biphenyls (PCBs), semi-volatile organic compounds (SVOCs), and volatile organic compounds (VOCs). Following remedial actions on-Site, contaminant concentrations were reduced to meet Industrial Use soil cleanup objectives (SCOs) in at least the upper foot of material and a soil cover engineering control was established across the entirety of the Site to mitigate the exposure pathway to remaining contamination. Ongoing groundwater monitoring demonstrates that concentrations are decreasing, but groundwater quality continues to be impacted by Site-related contaminants and potentially off-Site sources. Currently, due to historically detected concentrations of VOCs in soil vapor, further investigation and potential employment of engineering controls would be required should any buildings be constructed on the Site. The Site received a Certificate of Completion (COC) from the New York State Department of Environmental Conservation (NYSDEC) on November 6, 2013 following completion of remedial measures, installation of engineering controls, and establishment of institutional controls.

The Site currently undergoes post-remediation monitoring that includes groundwater monitoring and annual Site inspections. Groundwater monitoring is conducted at both on-Site and off-Site wells. No distinct trends have been observed in detectable parameters in samples from on-Site wells since monitoring began. Samples from off-Site wells have demonstrated fluctuations in certain VOCs and metals, indicating potential impacts of off-Site contamination migrating toward the Site. Fluctuations observed in concentrations of some parameters may also be influenced by the adjacent English Kills. Currently, the concentrations of detected compounds do not require further action.

Based on the November 20, 2024 Site inspection, the institutional controls and engineering controls for the Site remain in place and effective for protecting human health and the environment. Annual groundwater monitoring was completed in 2024 in accordance with the Site Management Plan (SMP). No new buildings have been constructed on-Site and the existing warehouse on the adjacent property to the north has not been expanded. As a result, there is no requirement for a sub-slab depressurization system (SSDS) engineering control. The institutional and engineering controls certification form, as issued by the Department, has been completed and is included as Attachment 1 at the beginning of this report.

Revisions to the SMP are being completed to reflect changes in ownership/contacts, the approved reduction in sampling frequency, the approved reduction in analytical requirements, and to update the format to the current NYSDEC template. There is no need to propose a change to the frequency of Periodic Review Report submittals at this time. Site inspections will continue to be performed on an annual basis in accordance with the SMP while groundwater monitoring will be performed on a biennial basis going forward, as approved by the NYSDEC (Appendix D). If buildings are constructed in the future, they will be evaluated to determine if mitigation of soil vapor intrusion is necessary. The requirements necessary to discontinue Site monitoring and Site Engineering and Institutional Controls have not been met at this time.

This report is subject to, and must be read in conjunction with, the limitations set out in the report and the assumptions and qualifications contained throughout the report.

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Appendix A	Annual Site-Wide Inspection Forms
Appendix B	NYSDEC EQulS Approval
Appendix C	Notification of Change of Use and Post-Transfer Notification
Appendix D	NYSDEC Correspondence
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Attachments (following inside cover)

Attachment 1	Institutional and Engineering Controls Certification Form
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1. Introduction

1.1 Purpose of this Report

This Periodic Review Report (PRR) is being submitted on behalf of Rolling Frito-Lay Sales, LP (Frito-Lay) and BLUSV II NY 222 Morgan Ave LP (BLUSV II; also known as Bridge Logistics Properties [BLP]) for the Frito-Lay Brownfield Cleanup Program (BCP) Site (BCP Site No. C224133) located at 202-218 Morgan Avenue, Borough of Brooklyn, Kings County, New York (Figure 1). The purpose of this PRR and attached documents is to document that institutional and engineering controls, as described in the revised Site Management Plan (SMP) (Revised December 2023; and currently being revised again for New York State Department of Environmental Conservation [NYSDEC] review) and Environmental Easement (EE), are in place in accordance with 6NYCRR Part 375-3. The following elements are included in this report:

- A complete description of all institutional and/or engineering controls employed at the Site.
- An evaluation of the plans developed for implementation of the engineering and institutional controls, regarding the continued effectiveness of any institutional and/or engineering controls required by the decision document for the Site.
- A certification prepared by a professional engineer or qualified environmental professional that the institutional controls and/or engineering controls employed at the Site during the period are:
 - Unchanged from the previous certification, unless approved by the Department, consistent with the SMP
 - In place and effective
 - Performing as designed, and that nothing has occurred that would (1) impair the ability of the controls to protect public health and the environment, or (2) constitute a violation or failure to comply with any operation and maintenance plan for such controls.
- The institutional and engineering controls certification form as issued by the Department has been completed and included at the beginning of this report.
- Data tables and figures depicting results of routine groundwater monitoring activities conducted on- and off-Site.

1.2 Certification Period

Due to an internal administrative error at NYSDEC, NYSDEC requested that this PRR cover the period between November 22, 2016 and March 31, 2025. During this period, Frito-Lay performed periodic inspections of the soil cover engineering control on-Site until they sold the property on December 16, 2024. GHD Consulting Services Inc. (GHD) personnel performed annual groundwater monitoring with the most recent event occurring on May 22 and 23, 2024 (Figures 4 to 7 and Tables 1 to 3). Annual visual inspections of engineering controls on-Site have also been completed with the most recent occurring on November 20, 2024 (Appendix A) in order to prepare this PRR. Although the current certification period extends from November 2016 through March 2025, annual PRRs and institutional and engineering controls certifications were submitted throughout that period. The previously submitted reports are provided as Appendix F, as requested by NYSDEC. Copies of the correspondence surrounding this request are included in Appendix D.

1.3 Scope and Limitations

This report has been prepared by GHD for Frito-Lay-Pepsico and may only be used and relied on by Frito-Lay-Pepsico, BLUSV II, the New York State Department of Environmental Conservation, or the New York State Department of Health for the purpose agreed between GHD, Frito-Lay-Pepsico, BLUSV II, the New York State Department of Environmental Conservation, or the New York State Department of Health as set out in this report.

GHD otherwise disclaims responsibility to any person other than Frito-Lay-Pepsico, BLUSV II, the New York State Department of Environmental Conservation, or the New York State Department of Health arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions, and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions, and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

The opinions, conclusions, and any recommendations in this report are based on information obtained from, and testing undertaken at or in connection with, specific sample points. Site conditions at other parts of the Site may be different from the Site conditions found at the specific sample points.

Investigations undertaken in respect of this report are constrained by the particular Site conditions, such as the location of buildings, services and vegetation. As a result, not all relevant Site features and conditions may have been identified in this report.

Site conditions (including the presence of hazardous substances and/or Site contamination) may change after the date of this Report. GHD does not accept responsibility arising from, or in connection with, any change to the Site conditions. GHD is also not responsible for updating this report if the Site conditions change.

GHD has prepared this report on the basis of information provided by Frito-Lay-Pepsico, BLUSV II, and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

2. Site Overview

The Site is in the Borough of Brooklyn, Kings County, New York and is identified as Block 2942 and Lots 105, 111, and 112 on the NYSDEC Institutional and Engineering Controls Certification Form. Information obtained from the New York City Finance Department Online Tax Maps identifies the Site as Block 2942 and Lot 105, with no current matching records for Lots 111 and 112. It appears that Lots 111 and 112 were merged with Lot 105 sometime after the COC was issued, with the reasoning and initiating party being unknown. The Site consists of 2.76 acres of property formerly owned by Frito-Lay, which has been entered into the BCP. As of December 17, 2024, ownership of the Site was conveyed to BLUSV II. A copy of the Post-Transfer Notification can be found in Appendix C. Frito-Lay remains as tenant on the property. The Site is bound by an adjacent parcel to the north also conveyed to BLUSV II that is also leased by Frito-Lay and still used for their distribution activities; English Kills to the east; the English Kills basin, and an adjacent industrial parcel to the south; and Morgan Avenue to the west with commercial and industrial properties farther west (see Figure 2).

The Site is currently developed with an asphalt pavement parking area used for parking Frito-Lay delivery vehicles and employee vehicles. The portion of the Site not occupied by asphalt pavement consists of minor grass-covered landscaping areas and rip-rap adjacent to English Kills and the English Kills basin.

The Remedial Investigation (RI), which was conducted under Brownfield Cleanup Agreement (BCA) Index #A2-0622-0709 during 2009 and 2010, characterized the nature and extent of contamination at the Site. The results of the RI, as reported in the *Revised Remedial Investigation Report* (Gannett Fleming, P.C., July 2010) and the *Supplemental Remedial Investigation and Second Supplemental Remedial Investigation Report* (Gannett Fleming, P.C., April 2011) determined that contaminants of concern (COCs) were present in Site soil, groundwater, and soil vapor. It was

determined that Site surface and subsurface soils contained arsenic, lead, mercury, polychlorinated biphenyls (PCBs), and semi-volatile organic compounds (SVOCs) at concentrations that exceeded the Unrestricted Use Soil Cleanup Objectives (SCOs). Analytical results of Site groundwater samples identified arsenic, lead, and volatile organic compounds (VOCs) at concentrations that exceeded the Technical and Operational Guidance Series (TOGS) Class GA groundwater standards or guidance values. VOCs were also detected in Site soil vapor samples.

A Remedial Work Plan (RWP) was prepared by Gannett Fleming, P.C. (August 2011). The remedial goals for the Site included:

- Removing or eliminating significant threats to human health and the environment.
- Protecting human health and the environment during the contemplated future use of the Site, which was identified as industrial in accordance with the BCA and DER-10.

The proposed remedial approach was to remediate the Site to a Track 4 Restricted Use by meeting the Industrial Use SCOs. This remediation approach included excavation of soil/fill exceeding Site-specific remedial action objectives (RAOs), excavation of soil/fill exceeding the Industrial Use SCOs, and implementation of engineering/institutional controls. Remedial activities were completed at the Site in February 2013. Soil/fill excavation included:

- The removal of approximately 16,513 tons of hazardous PCB soil (PCB concentrations in excess of 50 mg/kg).
- The removal of approximately 4,096 tons of non-hazardous PCB soil (PCB concentrations in excess of 10 mg/kg or 25 mg/kg, depending on the excavation area).
- The removal of approximately 619 tons of arsenic, lead, and mercury contaminated soil with concentrations exceeding the Protection of Groundwater and/or Industrial Use SCOs.
- The placement of imported clean fill material back into the excavation areas.

Excavated soil/fill was transported for off-Site disposal. The PCB excavated soils that were identified as hazardous were reportedly managed in accordance with TSCA regulations.

The selected remedy for groundwater remediation was natural attenuation, based on the presence of VOC daughter products in several on-Site groundwater monitoring wells, which suggests that degradation is occurring and can be expected to continue over time. Also, sensitive receptors were not identified downgradient of the Site, and the Site and surrounding area is serviced by a municipal water supply system.

The engineering controls for the Site consist of maintaining the soil cover system and requiring the installation of a sub-slab depressurization system (SSDS) in any new buildings constructed on-Site, or in future expansions added to the Frito-Lay warehouse located on the adjoining property to the north. The institutional controls include a Site groundwater use restriction, a Site use restriction restricting the use to industrial uses, and the requirement that a SSDS will be installed in any future buildings constructed on-Site or if the warehouse to the north is expanded.

An Environmental Easement (EE) for the Site was filed with the Kings County Clerk's Office on September 20, 2013. A SMP, which outlines Site restrictions and requirements of future maintenance and monitoring, was completed in September 2013. A revised SMP was completed in December 2023 and submitted to the NYSDEC. The revised SMP is currently still under review. A Certificate of Completion allowing for industrial uses of the Site was received from the NYSDEC on November 6, 2013.

The reader of this PRR may refer to previous reports for more detail, as needed. These reports include:

- Subsurface Investigation, Gannett Fleming, P.C., 2003.
- Phase I Environmental Site Assessment, Gannett Fleming, P.C., 2006.
- Surface Pile Characterization Work Plan, Gannett Fleming, P.C., 2007.
- Phase II Environmental Site Assessment, Gannett Fleming, P.C., 2007.
- Remedial Investigation, Gannett Fleming, P.C., 2009.
- Supplemental Remedial Investigation, Gannett Fleming, P.C., 2010.
- Second Supplemental Remedial Investigation, Gannett Fleming, P.C., 2011.

- Remedial Work Plan, Gannett Fleming, P.C., 2011.
- Site Management Plan, Frito-Lay, Brooklyn, New York, NYSDEC Site Number: C224133, Gannett Fleming Engineers, P.C., September 2013.
- Final Engineering Report, Frito-Lay, Brooklyn, Kings County, New York, NYSDEC Site Number: C224133, Gannett Fleming Engineers, P.C., October 2013.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2017 – November 22, 2018, GHD Consulting Services Inc., January 7, 2019.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Post-Remediation Groundwater Monitoring – 2018 PCB Re-Sample, GHD Consulting Services Inc., March 7, 2019.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2018 – November 22, 2019, GHD Consulting Services Inc., January 15, 2020.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2019 – November 22, 2020, GHD Consulting Services Inc., January 18, 2021.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2020 – November 22, 2021, GHD Consulting Services Inc., January 5, 2022.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2021 – November 22, 2022, GHD Consulting Services Inc., January 17, 2023.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2022 – November 22, 2023, GHD Consulting Services Inc., December 21, 2023.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – 2024 Annual Post-Remediation Groundwater Monitoring, GHD Consulting Services Inc., September 3, 2024.

As requested by NYSDEC, previously submitted PRRs from 2016 to 2023 can be found in Appendix F.

3. Institutional and Engineering Controls

Based on identified soil, groundwater, and soil vapor contamination, and the Site's past and present use, institutional and engineering controls are utilized at the Site to limit exposure risks. These institutional and engineering controls are described in the NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013) and summarized below. During the previous PRR period, the contacts for Frito-Lay changed and the NYSDEC requested that the SMP be updated to the newest template available at the time and include the new contacts. The SMP is being revised to reflect the recent change in ownership/contacts, the transfer of the certificate of completion, and recently approved reduction in groundwater sampling frequency and analytical requirements. Once available, the revised SMP will be submitted to NYSDEC for review and approval.

3.1 Institutional Controls

The institutional controls (ICs) for this Site are outlined in the SMP and adherence to these ICs is required by the EE. The ICs for the Site include the following:

- The property may only be used for industrial uses provided that the long-term engineering and institutional controls included in the NYSDEC-approved SMP are employed.
- The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and/or commercial use without additional remediation and amendment of the EE, as approved by the NYSDEC.
- All future activities on the property that will disturb remaining contamination must be conducted in accordance with the NYSDEC-approved SMP.

- The use of groundwater underlying the property is prohibited without treatment rendering it safe for intended use and prior approval by NYSDEC.
- The potential for soil vapor intrusion must be evaluated for any buildings developed on the Site, or expansions added to the existing Frito-Lay warehouse to the north, and any potential impacts that are identified must be monitored and/or mitigated.
- Vegetable gardens and farming on the property are prohibited.
- The Site owner or remedial party will submit to the NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and (2) nothing has occurred that impairs the ability of the controls to protect public health and the environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3.1.1 Site Use

The Site use has not changed since the NYSDEC issued the Certificate of Completion and is currently used for parking of Frito-Lay company/delivery and employee vehicles. Prior to the sale of the property, Frito-Lay submitted a Change of Use notification to the NYSDEC that was signed on October 18, 2024, to indicate the potential upcoming change in ownership (Appendix C). Transfer of the property and certificate of completion to BLUSV II was completed on December 17, 2024. A copy of the post-transfer notification is also provided in Appendix C.

During this PRR's certification period, Frito-Lay initiated planning for the potential installation of Electric Vehicle (EV) charging stations on the Site. Building permits were applied for as part of the construction process but were not granted prior to the sale of the Site. Because of the sale of the property, the EV project may not proceed, and the building permit applications may be rescinded.

3.1.2 Groundwater

Groundwater is not being used at the Site.

Monitored natural attenuation groundwater monitoring was conducted (May 22 and 23, 2024) as outlined in the NYSDEC-approved SMP (Revised December 2023; currently under NYSDEC review) during this PRR reporting period. Laboratory analytical results from May 2024 were tabulated and submitted to the NYSDEC (GHD, September 3, 2024) (Figures 4 to 7 and Tables 1 to 3) and to the NYSDEC's EQulS Database (submitted and uploaded December 10, 2024) (Appendix B).

Results of groundwater monitoring led to a request for reductions in monitoring to reflect ongoing improvements in groundwater quality at the Site, which were incorporated into the September 3, 2024, Annual Post-Remediation Groundwater Monitoring Letter and subsequently approved by the NYSDEC in a letter dated November 7, 2024 (Appendix D). Metals testing has been reduced to only include those metals which are listed within the Decision Document (i.e. arsenic, lead, and mercury). Analysis for total organic halides (TOX), total organic carbon (TOC), biological oxygen demand (BOD), chemical oxygen demand (COD), alkalinity, and chloride were also removed from the monitoring program as on-Site water quality has improved greatly following the remedy and currently generally meets groundwater standards. The frequency of groundwater monitoring was also reduced to a biennial (once every other year) basis, occurring in the spring, with the next event occurring during May 2026.

During the annual Site inspection, the previously installed United States Environmental Protection Agency (USEPA) monitoring well was observed near the southeast corner of the Site. Status of this monitoring well is uncertain and not under the control of Frito-Lay.

3.1.3 Excavations

No excavations occurred on-Site during this PRR's certification period; however, soil borings were completed as part of investigations into the subsurface conditions in preparation for potential installation of EV charging stations on the Site. The soil borings, which were completed on September 12, 13, and 19, 2024, were intended to provide pre-characterization of soils for disposal purposes and geotechnical information for system component design and installation considerations. The information obtained from these borings is summarized and included in Appendix E.

3.2 Engineering Controls

The engineering controls (ECs) for this Site are outlined in the NYSDEC-approved SMP (which is currently being revised for submittal as discussed above) and are described in the following sections.

3.2.1 Asphalt and Soil (Engineered) Cover Systems

Direct contact with soil/fill at the Site is mitigated by an engineered cover system in place over the entirety of the Site. This cover system is comprised of a minimum of 6 inches of asphalt pavement or a minimum of 1-foot of clean soil/fill, consisting of maintained landscape areas or riprap. The location of the cover system is depicted in Figure 3.

The cover system was in place for the duration of this certification period and no maintenance was required to amend the cover system at the time of the annual Site inspection (November 20, 2024). In addition, an annual inspection of the southeast corner retaining wall and the concrete blocks should be completed to ensure their stability. At the time of the annual inspection, the cover system was in place and functioning as intended.

Wind-blown refuse and debris were observed throughout the Site and should be periodically removed from a best management practices standpoint.

Additional information can be found in the Institutional and Engineering Controls Certification Form (beginning of this report) and the Annual Inspection Form (Appendix A).

3.2.2 Chain Linked Fence

To prevent unauthorized access to the Site, a 10-foot-high chain linked fence was installed along the eastern, western, and southern boundaries. Access to the Site from the northern boundary is controlled by the adjacent property, which is also now owned by BLUSV II.

The chain linked fence was in good condition at the time of the annual Site inspection (November 20, 2024) and appeared to be effective in controlling unauthorized access to the Site.

3.2.3 Sub-Slab Depressurization System

A SSDS will be required to be installed in any new buildings constructed on the Site or if the BLUSV II-owned warehouse on the adjacent property to the north is expanded or renovated.

At the time of the annual Site inspection (November 20, 2024) no new buildings had been constructed on the Site, and the adjacent warehouse to the north had not been expanded. Therefore, no SSDS is required at this time.

4. Operations and Monitoring

The NYSDEC-approved SMP (currently being revised as discussed above) requires annual groundwater monitoring and reporting. The annual monitoring is intended to assess the performance of the remedy and overall reduction in contamination on-Site. The annual groundwater monitoring was completed in accordance with the SMP on May 22

and 23, 2024 (Figures 4, 5, 6, and 7 and Tables 1, 2, and 3). The laboratory sample results were transmitted to the NYSDEC in the Annual Post-Remediation Groundwater Monitoring letter report (GHD, August 16, 2024) and were also successfully uploaded into the NYSDEC's EQUIS Database on December 10, 2024 (Appendix B). Table 3 summarizes laboratory analytical results of groundwater samples taken since remediation was completed at the Site. The groundwater results are compared to Class GA groundwater quality standards or guidance values from the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1, June 1998 and subsequent addenda).

Overall, the number of contaminants detected above groundwater standards are limited as noted in the tables and figures. In general, since post-remediation baseline samples were taken, concentrations of analytes detected in Site groundwater samples have remained generally stable with some variability over time, with no consistent Site-wide trends recognizable at this time. Off-Site groundwater monitoring well MW-7 historically appeared to have a generally increasing trend in concentrations of chlorinated VOCs, with concentrations of trichloroethene (TCE), cis-1,2-dichloroethene (DCE), and vinyl chloride having historically been detected at concentrations above groundwater standards in samples collected from MW-7. More recent monitoring events have identified decreasing trends in concentrations of these analytes; however, during the 2024 monitoring event, tetrachloroethene (PCE), TCE, and DCE increased from 2023 and were the only VOCs detected above Class GA standards in the sample collected from MW-7. In addition, the concentrations of barium in off-Site groundwater monitoring well MW-8 historically appeared to have a slightly increasing trend; however, more recent monitoring events indicate a decreasing trend, and concentrations have been below Class GA standards since the isolated exceedance identified during the May 2017 monitoring event. The detected contaminants in MW-7 and MW-8 are likely related to an off-Site source as these monitoring wells are upgradient of the Site and the contaminants detected are at higher concentrations than detected in samples taken from monitoring wells located on the Site. There were no detections of PCBs in the May 2024 sampling event. Data will continue to be evaluated for discernible trends, if any, as more data becomes available.

It is noted that the Site groundwater quality could be influenced by the tidal water dynamics and the brackish condition of the adjacent English Kills for certain compounds.

Based on the groundwater data received to date and overall improvements in on-Site groundwater quality, reductions in the monitoring frequency and the analytes tested for were requested as part of the 2024 annual groundwater report. The request was approved per a letter received from the NYSDEC and dated November 7, 2024 (Appendix D). Going forward, groundwater monitoring will proceed on a biennial basis, with the next event occurring during May 2026, and the analytes tested for will be reduced to VOCs, PCBs, and the metals which are listed in the Decision Document (i.e. arsenic, lead, and mercury). As future groundwater monitoring events occur, the data will be reviewed to determine if any compound-specific or Site-wide trends (decreasing or increasing) can be identified.

5. Recommendations

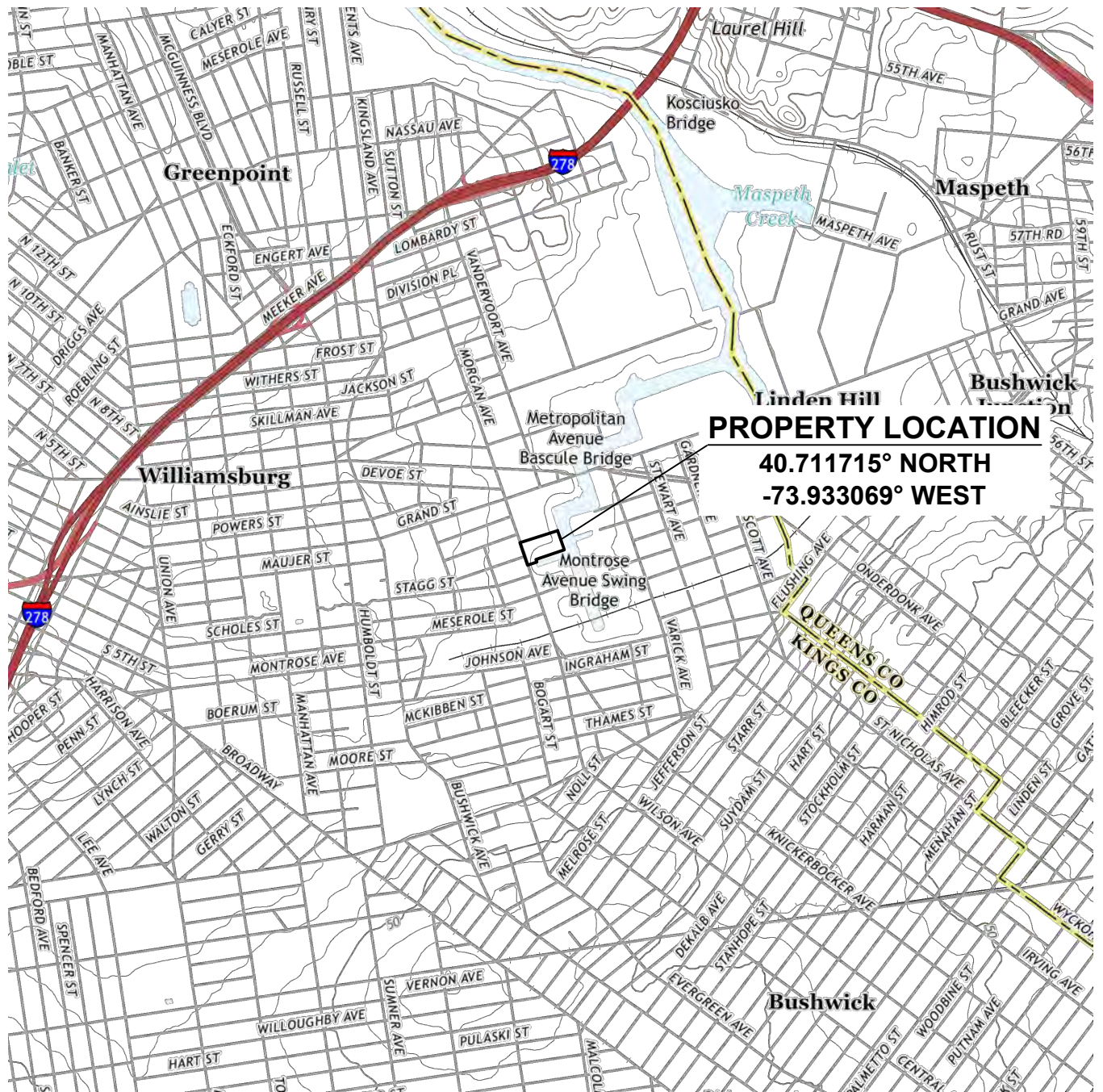
Based on a review of the groundwater data, it is recommended that the ICs and ECs currently in place for the Site remain in place in order to ensure the continued effectiveness and protectiveness of the remedy. The trends in groundwater quality associated with off-Site monitoring wells MW-7 and MW-8 should continue to be assessed for potential impacts to Site groundwater quality. Groundwater monitoring should be conducted on a biennial basis going forward, as approved by the NYSDEC in their November 7, 2024 approval letter (Appendix D). The groundwater monitoring results should be reviewed following the May 2026 monitoring event, and recommendations to alter future monitoring requirements, if any, should be reviewed with the NYSDEC at that time.

The following items are noted as part of this PRR:

1. The woody growth along the perimeter riprap should be periodically removed to control potential impacts to the cover system.
2. A USEPA monitoring well was installed in the southeast corner of the Site in 2023 and is still present.

3. If the potential EV charger installation activities progress, procedures outlined in the SMP should be followed and documentation should be maintained for inclusion in future PRRs.
4. The annual Site inspections should be continued to ensure that the Site use has not changed, and the engineering controls are in place and functioning as intended.
5. The effectiveness of the remedy should continue to be evaluated based on the groundwater monitoring analytical results and inspections of the engineering controls.

Figures



PROPERTY LOCATION

**40.711715° NORTH
-73.933069° WEST**

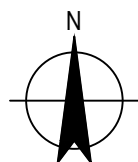


CONTOUR INTERVAL: 10 FEET

MAP TAKEN FROM: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE:
BROOKLYN, NY (2019)
(U.S. GEOLOGICAL SURVEY WEBSITE)



SCALE 1"=2000' AT ORIGINAL SIZE

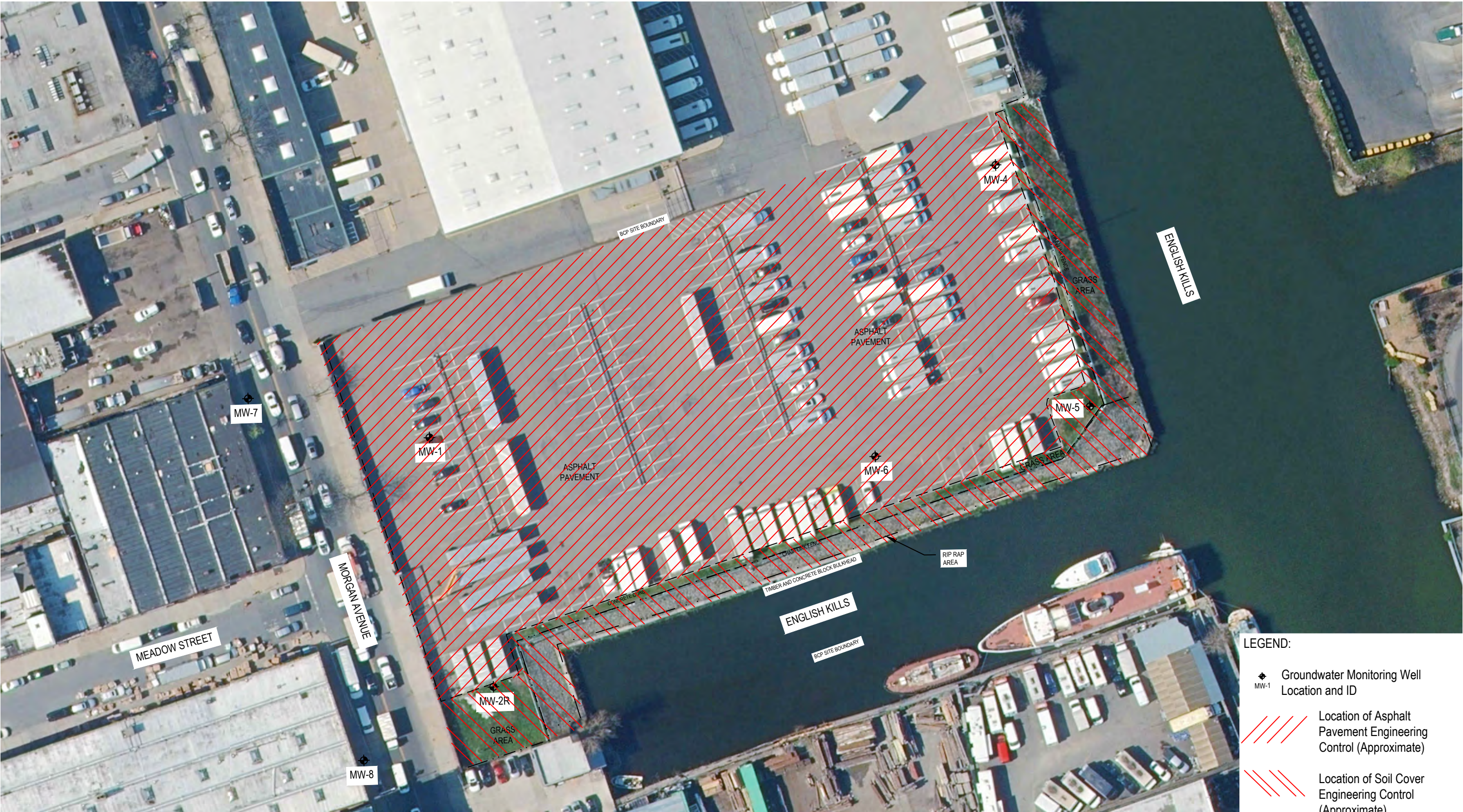


Rolling Frito-Lay Sales, LP
202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)

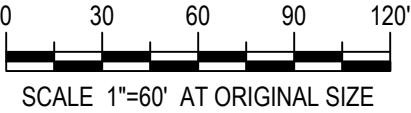
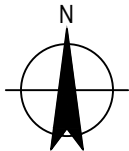
Project No. 12574234
Date 12.2024

SITE LOCATION MAP

FIGURE 1



NOTES:
1. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.

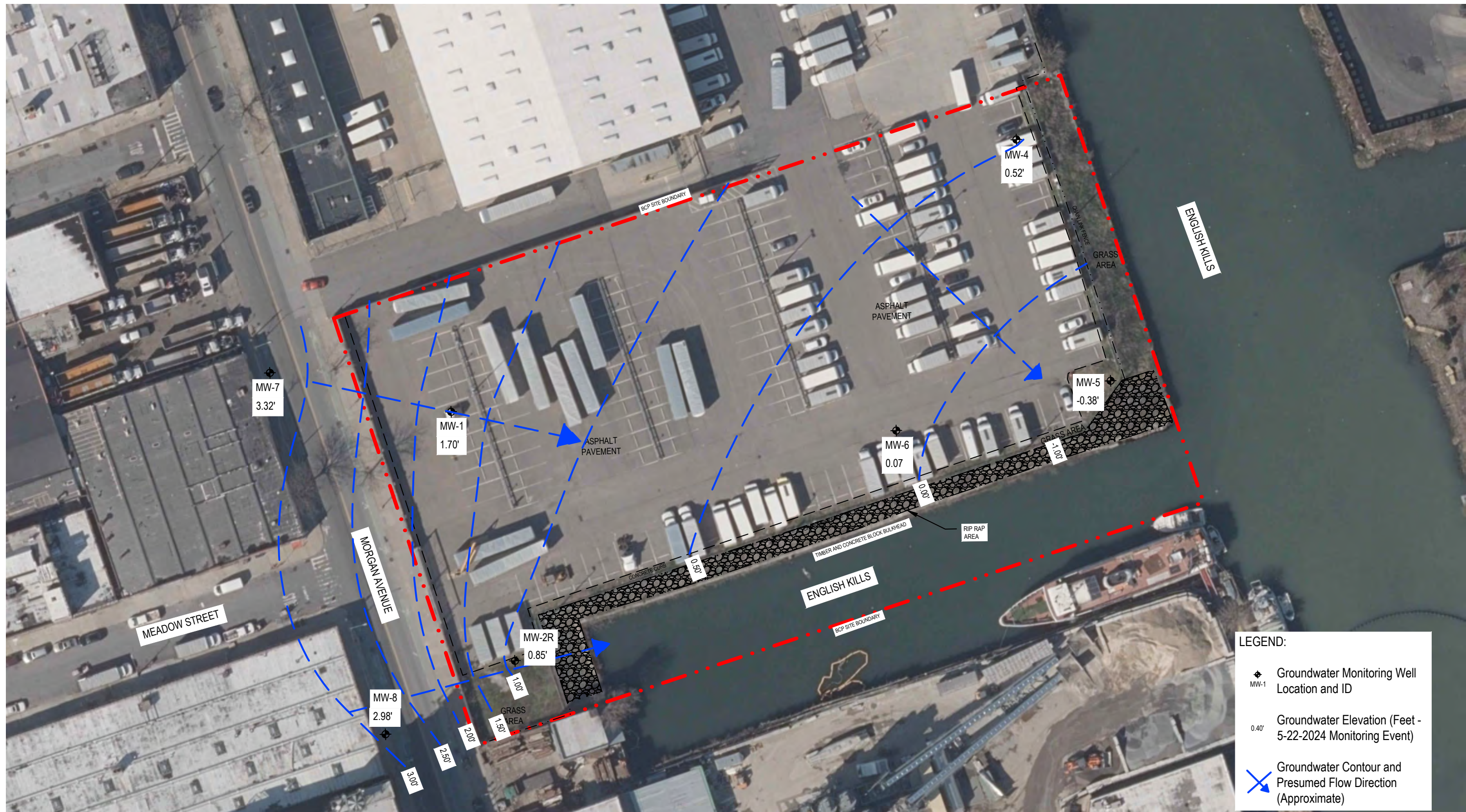


Rolling Frito-Lay Sales, LP
202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)

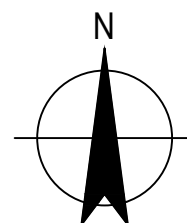
Project No. 12574234
Date 12.2024

ENGINEERING CONTROLS

FIGURE 3



NOTES:
1. Aerial photograph is a 2020, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



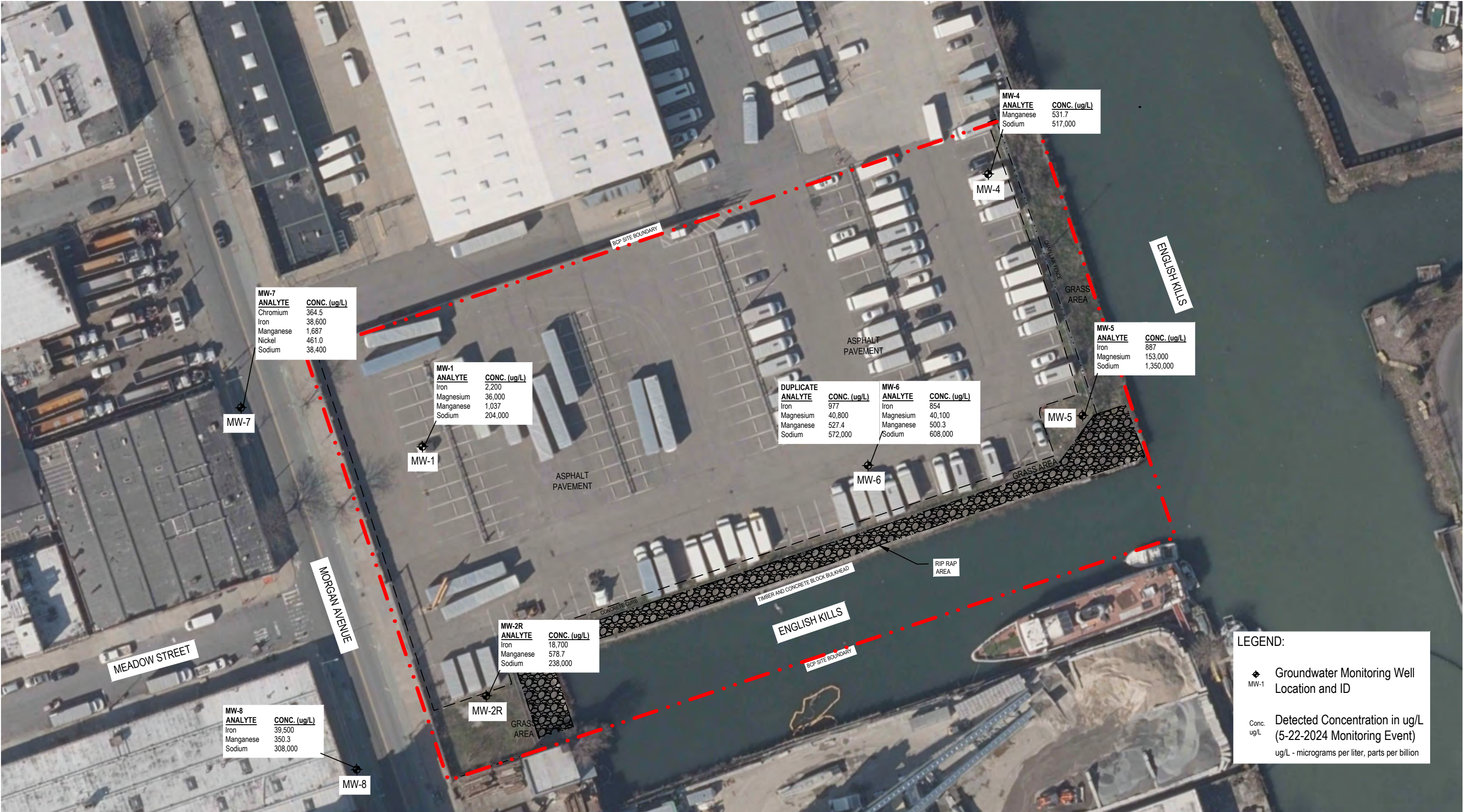
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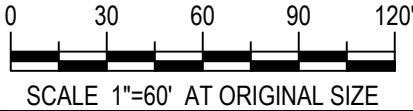
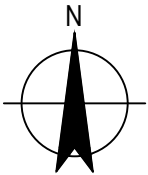
Rolling Frito-Lay Sales, LP
202 -218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)
**MAY 2024 GROUNDWATER ELEVATIONS,
CONTOURS, AND PRESUMED FLOW
DIRECTION**

Project No. 12574234
Date 12.2024

FIGURE 4



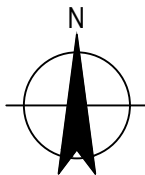
NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2020, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



Rolling Frito-Lay Sales, LP
202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)
**MAY 2024 EXCEEDANCES OF
GROUNDWATER STANDARDS-TOTAL
METALS**

Project No. 12574234
Date 12.2024

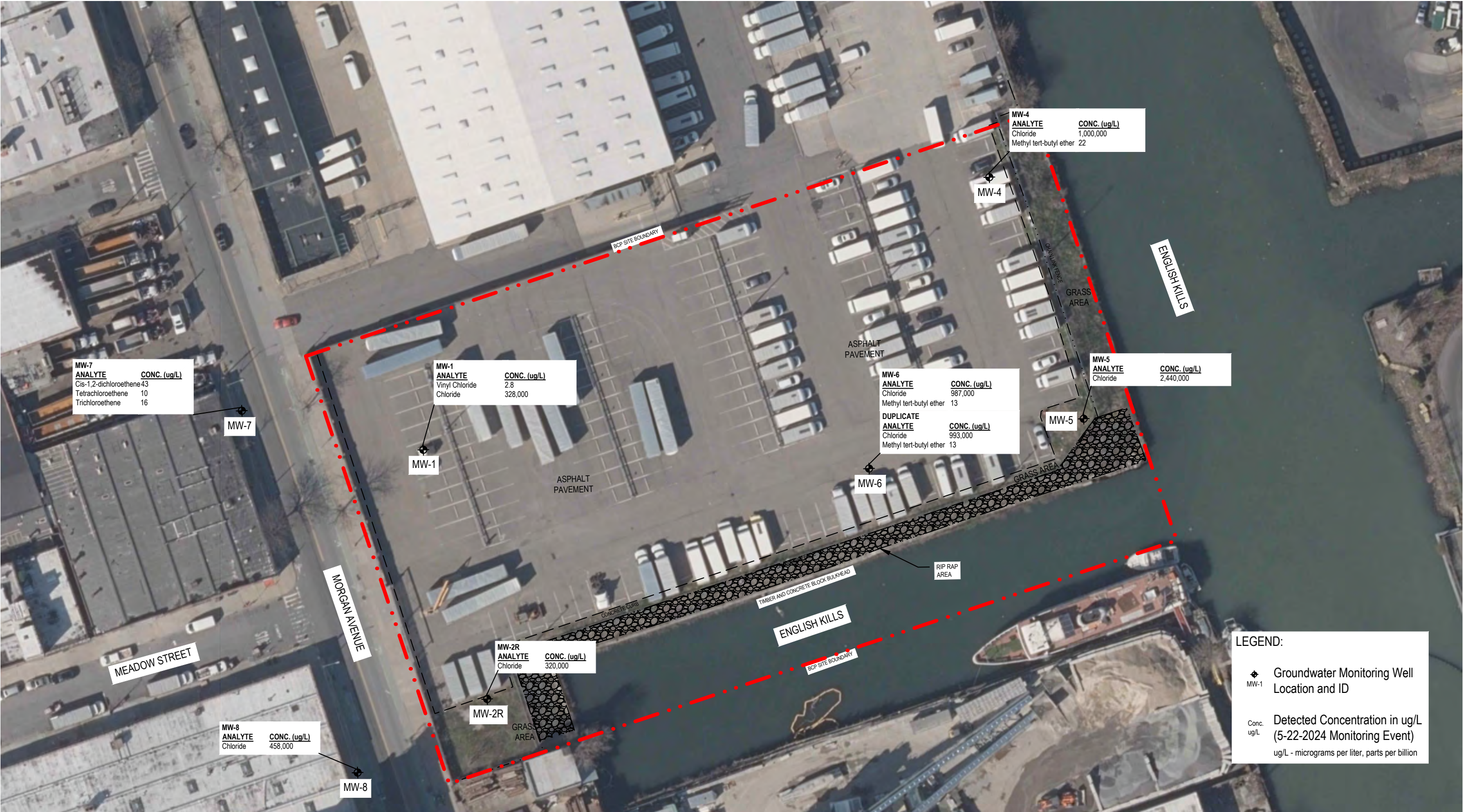
FIGURE 5



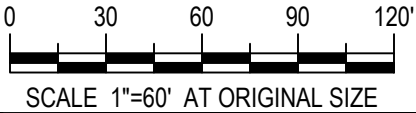
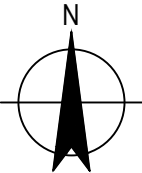
Rolling Frito-Lay Sales, LP
202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)
**MAY 2024 EXCEEDANCES OF
GROUNDWATER
STANDARDS-DISSOLVED METALS**

Project No. 12574234
Date 12.2024

FIGURE 6



NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2020, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



Rolling Frito-Lay Sales, LP
202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site # C224133)
**MAY 2024 EXCEEDANCES OF
GROUNDWATER STANDARDS-OTHER
ANALYTES**

Project No. 12574234
Date 12.2024

FIGURE 7

Tables



Table 1: Groundwater Elevation Data

202-218 Morgan Avenue BCP Site
Brooklyn, NY
BCP Site #C224133

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-1	2009	Top of PVC	9.93	-	-	1.74	-
MW-1	2011	Top of PVC	9.93	-	-	1.54	-
MW-1	5/14/2014	Top of PVC	9.93	9.07	16.33	0.86	1.16
MW-1	6/4/2015	Top of PVC	9.93	9.74	16.38	0.19	1.06
MW-1	5/26/2016	Top of PVC	9.93	9.55	16.24	0.38	1.07
MW-1	5/22/2017	Top of PVC	9.93	9.24	16.93	0.69	1.23
MW-1	5/30/2018	Top of PVC	9.93	9.06	16.93	0.87	1.26
MW-1	12/19/2018	Top of PVC	9.93	5.11	16.93	4.82	1.89
MW-1	5/30/2019	Top of PVC	9.93	9.41	16.93	0.52	1.20
MW-1	7/20/2020	Top of PVC	9.93	9.22	16.93	0.71	1.23
MW-1	5/27/2021	Top of PVC	9.93	9.53	16.93	0.40	1.18
MW-1	5/26/2022	Top of PVC	9.93	8.98	16.93	0.95	1.27
MW-1	5/11/2023	Top of PVC	9.93	8.80	16.93	1.13	1.30
MW-1	5/22/2024	Top of PVC	9.93	8.23	16.93	1.70	1.39
MW-2R	2009	Top of PVC	10.26	-	-	2.71	-
MW-2R	2011	Top of PVC	10.26	-	-	0.40	-
MW-2R	7/4/2015	Top of PVC	10.26	9.75	17.92	0.51	1.31
MW-2R	6/4/2015	Top of PVC	10.26	9.69	17.92	0.57	1.32
MW-2R	5/26/2016	Top of PVC	10.26	10.22	17.61	0.04	1.18
MW-2R	5/22/2017	Top of PVC	10.26	9.53	17.95	0.73	1.35
MW-2R	5/30/2018	Top of PVC	10.26	10.42	17.95	-0.16	1.20
MW-2R	12/19/2018	Top of PVC	10.26	4.90	17.95	5.36	2.09
MW-2R	5/30/2019	Top of PVC	10.26	10.19	17.95	0.07	1.24
MW-2R	7/20/2020	Top of PVC	10.26	9.75	17.95	0.51	1.31
MW-2R	5/27/2021	Top of PVC	10.26	10.21	17.95	0.05	1.24
MW-2R	5/26/2022	Top of PVC	10.26	9.40	17.95	0.86	1.37
MW-2R	5/11/2023	Top of PVC	10.26	9.83	17.95	0.43	1.30
MW-2R	5/22/2024	Top of PVC	10.26	9.41	17.95	0.85	1.37
MW-4	2009	Top of PVC	10.22	-	-	2.04	-
MW-4	2011	Top of PVC	10.22	-	-	0.54	-
MW-4	5/14/2014	Top of PVC	10.22	9.91	16.48	0.31	1.05
MW-4	6/4/2015	Top of PVC	10.22	10.50	16.45	-0.28	0.95
MW-4	5/26/2016	Top of PVC	10.22	10.76	16.28	-0.54	0.88
MW-4	5/22/2017	Top of PVC	10.22	10.15	16.60	0.07	1.03
MW-4	5/30/2018	Top of PVC	10.22	9.83	16.60	0.39	1.08
MW-4	12/19/2018	Top of PVC	10.22	2.72	16.60	7.50	2.22
MW-4	5/30/2019	Top of PVC	10.22	9.90	16.60	0.32	1.07
MW-4	7/20/2020	Top of PVC	10.22	9.10	16.60	1.12	1.20
MW-4	5/27/2021	Top of PVC	10.22	10.70	16.60	-0.48	0.94
MW-4	5/26/2022	Top of PVC	10.22	9.90	16.60	0.32	1.07
MW-4	5/11/2023	Top of PVC	10.22	10.19	16.60	0.03	1.03
MW-4	5/22/2024	Top of PVC	10.22	9.70	16.60	0.52	1.10



Table 1: Groundwater Elevation Data

202-218 Morgan Avenue BCP Site
Brooklyn, NY
BCP Site #C224133

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-5	2009	Top of PVC	10.77	-	-	1.76	-
MW-5	2011	Top of PVC	10.77	-	-	-0.80	-
MW-5	5/14/2014	Top of PVC	10.77	11.01	18.69	-0.24	1.23
MW-5	6/4/2015	Top of PVC	10.77	9.91	18.60	0.86	1.39
MW-5	5/26/2016	Top of PVC	10.77	12.65	18.58	-1.88	0.95
MW-5	5/22/2017	Top of PVC	10.77	11.25	18.70	-0.48	1.19
MW-5	5/30/2018	Top of PVC	10.77	10.46	18.70	0.31	1.32
MW-5	12/19/2018	Top of PVC	10.77	1.96	18.70	8.81	2.68
MW-5	5/30/2019	Top of PVC	10.77	10.76	18.70	0.01	1.27
MW-5	7/20/2020	Top of PVC	10.77	11.10	18.70	-0.33	1.22
MW-5	5/27/2021	Top of PVC	10.77	11.31	18.70	-0.54	1.18
MW-5	5/26/2022	Top of PVC	10.77	9.30	18.70	1.47	1.50
MW-5	5/11/2023	Top of PVC	10.77	11.95	18.70	-1.18	1.08
MW-5	5/22/2024	Top of PVC	10.77	11.15	18.70	-0.38	1.21
MW-6	2009	Top of PVC	10.22	-	-	1.11	-
MW-6	2011	Top of PVC	10.22	-	-	0.80	-
MW-6	5/14/2014	Top of PVC	10.22	10.36	17.05	-0.14	1.07
MW-6	6/4/2015	Top of PVC	10.22	10.81	17.08	-0.59	1.00
MW-6	5/26/2016	Top of PVC	10.22	10.97	16.88	-0.75	0.95
MW-6	5/22/2017	Top of PVC	10.22	10.55	17.10	-0.33	1.05
MW-6	5/30/2018	Top of PVC	10.22	10.49	17.10	-0.27	1.06
MW-6	12/19/2018	Top of PVC	10.22	2.40	17.10	7.82	2.35
MW-6	5/30/2019	Top of PVC	10.22	10.13	17.10	0.09	1.12
MW-6	7/20/2020	Top of PVC	10.22	10.54	17.10	-0.32	1.05
MW-6	5/27/2021	Top of PVC	10.22	11.10	17.10	-0.88	0.96
MW-6	5/26/2022	Top of PVC	10.22	10.51	17.10	-0.29	1.05
MW-6	5/11/2023	Top of PVC	10.22	10.70	17.10	-0.48	1.02
MW-6	5/22/2024	Top of PVC	10.22	10.15	17.10	0.07	1.11
MW-7	2009	Top of PVC	11.11	-	-	2.92	-
MW-7	2011	Top of PVC	11.11	-	-	1.48	-
MW-7	5/14/2014	Top of PVC	11.11	8.17	15.42	2.94	1.16
MW-7	6/4/2015	Top of PVC	11.11	8.33	16.42	2.78	1.29
MW-7	5/26/2016	Top of PVC	11.11	8.32	15.22	2.79	1.10
MW-7	5/22/2017	Top of PVC	11.11	8.15	15.45	2.96	1.17
MW-7	5/30/2018	Top of PVC	11.11	7.88	15.45	3.23	1.21
MW-7	12/19/2018	Top of PVC	11.11	NM	NM	-	-
MW-7	5/30/2019	Top of PVC	11.11	8.11	15.45	3.00	1.17
MW-7	7/20/2020	Top of PVC	11.11	8.39	15.45	2.72	1.13
MW-7	5/27/2021	Top of PVC	11.11	8.32	15.45	2.79	1.14
MW-7	5/26/2022	Top of PVC	11.11	8.05	15.45	3.06	1.18
MW-7	5/11/2023	Top of PVC	11.11	8.01	15.45	3.10	1.19
MW-7	5/22/2024	Top of PVC	11.11	7.79	15.45	3.32	1.23



Table 1: Groundwater Elevation Data

202-218 Morgan Avenue BCP Site
Brooklyn, NY
BCP Site #C224133

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-8	2009	Top of PVC	11.43	-	-	2.50	-
MW-8	2011	Top of PVC	11.43	-	-	2.32	-
MW-8	5/14/2014	Top of PVC	11.43	8.85	14.45	2.58	0.90
MW-8	6/4/2015	Top of PVC	11.43	8.92	14.45	2.51	0.88
MW-8	5/26/2016	Top of PVC	11.43	8.70	14.20	2.73	0.88
MW-8	5/22/2017	Top of PVC	11.43	8.88	14.60	2.55	0.92
MW-8	5/30/2018	Top of PVC	11.43	8.61	14.60	2.82	0.96
MW-8	12/19/2018	Top of PVC	11.43	NM	NM	-	-
MW-8	5/30/2019	Top of PVC	11.43	8.40	14.60	3.03	0.99
MW-8	7/20/2020	Top of PVC	11.43	8.74	14.60	2.69	0.94
MW-8	5/27/2021	Top of PVC	11.43	9.31	14.60	2.12	0.85
MW-8	5/26/2022	Top of PVC	11.43	8.40	14.60	3.03	0.99
MW-8	5/11/2023	Top of PVC	11.43	8.75	14.60	2.68	0.94
MW-8	5/22/2024	Top of PVC	11.43	8.45	14.60	2.98	0.98

DTW - depth to water

DOW - depth of well

DTW and DOW measurements taken prior to purging using an electronic water level meter

2009 and 2011 groundwater elevation information taken from the Site Management Plan prepared by Gannett Fleming (September 2013)

Reference elevations taken from as-built plan prepared by PS&S (August 21, 2013)



Table 2: Groundwater Field Parameter Data

202-218 Morgan Avenue BCP Site
Brooklyn, NY
BCP Site #C224133.

Well I.D.	Date	Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (gal)	Comments
MW-1	5/27/2021	17.6	2.890	0.40	7.20	-157	9	2.6	Water cloudy brown with odor and became clear with odor during purging MS/MSD sample taken at this location
MW-1	5/26/2022	15.3	2.38	0.39	7.75	-179	10	-	-
MW-1	5/11/2023	19.52	1.88	0.00	7.78	-228	4	-4.54	-
MW-1	5/23/2024	16.79	1.68	6.67	6.68	-105	5	-	-
MW-2R	5/27/2021	24.1	2.000	0.72	7.11	-164	15		Water was cloudy brown with no odor and became clear with no odor during purging Field Duplicate sample taken at this location
MW-2R	5/26/2022	15.8	1.900	0.22	7.44	-134	13	-	-
MW-2R	5/11/2023	23.08	1.38	6.19	7.56	-146	4.6	0	-
MW-2R	5/22/2024	17.46	1.63	1.84	6.5	-99	5	-	-
MW-4	5/27/2021	18.7	3.430	2.23	7.84	-250	0	2.0	Water was clear with no odor during purging
MW-4	5/26/2022	17.1	4.310	2.47	7.98	-76	15	-	-
MW-4	5/11/2023	18.52	4.33	1.56	7.91	-112	6.8	3.21	-
MW-4	5/22/2024	17.4	3.51	4.8	6.62	-133	4	-	-
MW-5	5/27/2021	16.0	7.210	0.36	7.55	-212	18	2.3	Water was slightly cloudy brown with no odor and became clear with no odor during purging
MW-5	5/26/2022	14.6	13.000	1.52	7.67	-83	14	-	-
MW-5	5/11/2023	15.48	15.5	3.89	8.01	-111	5	0	-
MW-5	5/22/2024	15.4	7.8	0.67	7.04	-92	2	-	-
MW-6	5/27/2021	17.5	3.660	1.01	8.12	-340	2	2.3	Water was cloudy brown with no odor and became clear with no odor during purging
MW-6	5/26/2022	16.2	4.270	0.22	8.37	-310	4	-	-
MW-6	5/11/2023	19.59	4.08	0.00	8.30	-262	5	-2.25	-
MW-6	5/22/2024	17.14	3.96	4.11	7.2	-138	4	-	-
MW-7	5/27/2021	16.1	0.891	0.41	7.38	-127	6	2.6	Water was cloudy brown with odor and became clear with odor during purging
MW-7	5/25/2022	18.2	0.526	1.96	7.24	31	32	-	-
MW-7	5/11/2023	19.02	0.48	7.12	7.62	-93	8	0.14	-
MW-7	5/23/2024	18	0.511	1.9	7.29	40	32	-	-
MW-8	5/27/2021	17.1	4.270	0.23	7.21	-126	3	2.3	Water was cloudy brown with no odor and became clear with no odor during purging
MW-8	5/25/2022	16.1	3.710	1.66	7.43	38	46	-	-
MW-8	5/11/2023	17.98	3.15	1.77	7.56	-101	5	0.14	-
MW-8	5/23/2024	16.09	3.77	1.79	7.4	28	44	-	-

Field parameters collected during purging using a multi-parameter water quality meter with flow thru cell



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Brooklyn, NY
BCP Site #C224133

Sample ID	Date Sampled	Well ID	Sample Type	Analyte	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloro-1,2,2-trifluoroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-dibromo-3-chloropropane	1,2-dibromoethane	1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,3-dichlorobenzene	1,4-dichlorobenzene	1,4-dioxane	2-butanone	2-hexanone	4-methyl-2-pentanone	Acetone	Benzene
				Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
				TOGS 1.1.1	5	5		1	5	5		5	0.04	5		0.6	1				50	50		50	1
MW-1	Baseline	MW-1			<1U	<1U	-	<1U	<1U	<1U	-	<1UJ	<1UJ	<1U	<1UJ	<0.5U	<1U	<1U	<1UJ	-	<1U	<1U	<1U	<10U	<0.5U
MW-1	5/14/2014	MW-1			<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	2.7J	<0.5U
MW-1	6/4/2015	MW-1			<2.5U	<0.5U	-	<1.5U	0.81J	<0.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U	
MW-1	5/26/2016	MW-1			<0.7U	<0.14U	<0.7U	<0.5U	<0.7U	<0.14U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.13U	<0.7U	<0.7U	<41U	<1.9U	<1U	<1U	<1.5U	<0.16U	
Duplicate	5/26/2016	MW-1	DUP		<0.7U	<0.14U	<0.7U	<0.5U	<0.7U	<0.14U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.13U	<0.7U	<0.7U	<41U	<1.9U	<1U	<1U	<1.5U	<0.16U	
MW-1	5/22/2017	MW-1			<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	4.8J	<0.16U	
Duplicate	5/22/2017	MW-1	DUP		<0.7U	<0.17U	<0.7U	<0.5U	0.7J	<0.17U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	<1.5U	<0.16U	
MW-1	5/30/2018	MW-1			<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U	
Duplicate	5/30/2018	MW-1	DUP		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U	
MW-1	5/30/2019	MW-1			<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.65J	<0.7U	0.14J	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	2.1J	<0.16U	
MW-1	7/20/2020	MW-1			<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U	<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U
MW-1	5/27/2021	MW-1			<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U	<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U
12574234-052622-BP-004	5/26/2022	MW-1			<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U
WG-12574234-051123-BP-006	5/11/2023	MW-1			<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U
WG-12574234-052324-BP-006	5/23/2024	MW-1			<2.5 U	<0.50 U	<2.5 U	<1.5 U	0.86 J	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U
MW-2R	Baseline	MW-2R			<1U	<1U	-	<1U	<1U	<1U	-	<1UJ	<1UJ	<1U	<1UJ	<0.5U	<1U	<1U	<1UJ	-	<1U	<1U	<1U	<10U	<0.5U
Duplicate	Baseline	MW-2R	DUP		<1UJ	<1UJ	-	<1U	<1U	<1U	-	<1UJ	<1UJ	<1U	<1UJ	<0.5U	<1U	<1U	<1UJ	-	<1U	<1U	<1U	<10U	<0.5U
MW-2R	5/14/2014	MW-2R			<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	2.3J	<0.5U
MW-2R	6/4/2015	MW-2R			<2.5U	<0.5U	-	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U
Duplicate	6/4/2015	MW-2R	DUP		<2.5U	<0.5U	-	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U
MW-2R	5/26/2016	MW-2R			<0.7U	<0.14U	<0.7U	<0.5U	<0.7U	<0.14U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.13U	<0.7U	<0.7U	<41U	<1.9U	<1U	<1U	<1.5U	<0.16U	
MW-2R	5/22/2017	MW-2R			<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	<1.5U	<0.16U	
MW-2R	5/30/2018	MW-2R			<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U
MW-2R	5/30/2019	MW-2R			<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	4.4J	<0.16U	
Duplicate	5/30/2019	MW-2R	DUP		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	<1.5U	<0.16U	
MW-2R	7/20/2020	MW-2R			<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U	<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U
Duplicate	7/20/2020	MW-2R	DUP		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U	<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U
MW-2R	5/27/2021	MW-2R			<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U	<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U
Duplicate	5/27/2021	MW-2R	DUP		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U	<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U
12574234-052622-BP-006	5/26/2022	MW-2R			<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U
WG-12574234-DTS-051123-004	5/11/2023	MW-2R			<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U
WG-12574234-052224-BP-004	5/22/2024	MW-2R			<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U
MW-4	Baseline	MW-4			<1U	<1U	-	<1U	<1U	<1U	-	<1UJ	<1UJ	<1U	<1U	<0.5U	<1U	<1U	<1U	-	<1U	<1U	<1U	4	<0.5U
MW-4	5/14/2014	MW-4			<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	5	<0.5U
MW-4	6/4/2015	MW-4			<2.5U	<0.5U	-	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U
MW-4	5/26/2016	MW-4			<0.7U	<0.14U	<0.7U	<0.5U	<0.7U	<0.14U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.13U	<0.7U	<0.7U	<41U	<1.9U	<1U	<1U	2.3J	<0.16U	
MW-4	5/22/2017	MW-4			<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	5.9	<0.16U	
MW-4	5/30/2018	MW-4			<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U
MW-4	5/30/2019	MW-4			<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	1.7J	<0.16U	
MW-4	7/20/2020	MW-4			<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U	<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U
MW-4	5/27/2021	MW-4			<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U	<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U
12574234-052622-DTS-007	5/26/2022	MW-4			<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U
WG-12574234-DTS-051123-001	5/11/2023	MW-4			<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U</					



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Brooklyn, NY
BCP Site #C224133

			Analyte	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene	Methyl acetate	Methyl cyclohexane	Methyl tert butyl ether	Methylene chloride
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1		5	50	5	60	5	5	5	7		5	0.4		50	5	5	5			10	5
Sample ID	Date Sampled	Well ID	Sample Type																					
MW-1	Baseline	MW-1		-	<1U	<1UJ	<1U	<1U	<1U	1	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1UJ	-	<1U	1.5	<1U
MW-1	5/14/2014	MW-1		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	0.72J	<2.5U	<2.5U	<2.5U	2.1J	<0.5U	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	4.6	<2.5U
MW-1	6/4/2015	MW-1		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	0.81J	<2.5U	<2.5U	<2.5U	2.7	<0.5U	-	<0.5U	<5U	<2.5U	<2.5U	-	-	21	<2.5U
MW-1	5/26/2016	MW-1		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	0.77J	<0.7U	<0.7U	<0.7U	1.5J	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	5	<0.7U
Duplicate	5/26/2016	MW-1	DUP	<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	0.86J	<0.7U	<0.7U	<0.7U	1.7J	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	5.5	<0.7U
MW-1	5/22/2017	MW-1		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	0.71J	<0.7U	<0.7U	<0.7U	80	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	7	<0.7U
Duplicate	5/22/2017	MW-1	DUP	<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	66	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	4.8	<0.7U
MW-1	5/30/2018	MW-1		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	17	<0.5U	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	66	<2.5U
Duplicate	5/30/2018	MW-1	DUP	<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	23	<0.5U	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	83	<2.5U
MW-1	5/30/2019	MW-1		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	5	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	22	<0.7U
MW-1	7/20/2020	MW-1		<0.39U	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	1.1	<0.3U	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	44	<0.54U
MW-1	5/27/2021	MW-1		<0.39U	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	9.8	<0.3U	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	51	<0.54U
12574234-052622-BP-004	5/26/2022	MW-1		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	12	<2.5 U
WG-12574234-051123-BP-006	5/11/2023	MW-1		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	7.0	<2.5 U
WG-12574234-052324-BP-006	5/23/2024	MW-1		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	5.8	<2.5 U
MW-2R	Baseline	MW-2R		-	<1U	<1UJ	<1U	<1U	<1U	1	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1UJ	-	<1U	1.6	<1U
Duplicate	Baseline	MW-2R	DUP	-	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	-	<1U	<0.5U	<1U
MW-2R	5/14/2014	MW-2R		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	1.6J	<2.5U
MW-2R	6/4/2015	MW-2R		<2.5U	<0.5U	<2U	<2.5U	2.2J	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	-	<0.5U	<5U	<2.5U	<2.5U	-	-	1.1J	<2.5U
Duplicate	6/4/2015	MW-2R	DUP	<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	-	<0.5U	<5U	<2.5U	<2.5U	-	-	0.99J	<2.5U
MW-2R	5/26/2016	MW-2R		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	<0.7U	<0.7U
MW-2R	5/22/2017	MW-2R		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	0.77J	<0.7U
MW-2R	5/30/2018	MW-2R		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	<2.5U	<2.5U
MW-2R	5/30/2019	MW-2R		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	7	<0.7U
Duplicate	5/30/2019	MW-2R	DUP	<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.27U	<0.7U	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	<0.7U	<0.7U
MW-2R	7/20/2020	MW-2R		<0.39U	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	<0.26U	<0.54U
Duplicate	7/20/2020	MW-2R	DUP	<0.39U	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	<0.26U	<0.54U
MW-2R	5/27/2021	MW-2R		<0.39U	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	<0.26U	<0.54U
Duplicate	5/27/2021	MW-2R	DUP	<0.39U	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	<0.26U	<0.54U
12574234-052622-BP-006	5/26/2022	MW-2R		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	<2.5 U	<2.5 U
WG-12574234-DTS-051123-004	5/11/2023	MW-2R		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	<2.5 U	<2.5 U
WG-12574234-052224-BP-004	5/22/2024	MW-2R		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	0.19 J	<2.5 U
MW-4	Baseline	MW-4		-	<1U	<1UJ	<1UJ	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1UJ	<1U	<1U	-	<1U	4	<1U
MW-4	5/14/2014	MW-4		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	13	<2.5U
MW-4	6/4/2015	MW-4		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	-	<0.5U	<5U	<2.5U	<2.5U	-	-	11	<2.5U
MW-4	5/26/2016	MW-4		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	32	<0.7U
MW-4	5/22/2017	MW-4		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	37	<0.7U
MW-4	5/30/2018	MW-4		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	39	<2.5U
MW-4	5/30/2019	MW-4		<0.7U	<0.19U	<0.65U	<0.7U	4J	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	30	<0.7U
MW-4	7/20/2020	MW-4		<0.39U	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	31.1	<0.54U
MW-4	5/27/2021	MW-4		<0.39U	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	29	<0.54U
12574234-052622-DTS-007	5/26/2022	MW-4		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	33	<2.5 U
WG-12574234-DTS-051123-001	5/11/2023	MW-4		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	28	<2.5



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

			Analyte	o-xylene	p/m-xylene	Styrene	Tetrachloroethene	Toluene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl chloride
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1	5	5	5	5	5	5	0.4	5	5	2
Sample ID	Date Sampled	Well ID	Sample Type										
MW-1	Baseline	MW-1		-	-	<1U	<1U	<1U	<1U	<1U	<1UJ	<1U	0.4
MW-1	5/14/2014	MW-1		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	0.17J	<2.5U	5.8
MW-1	6/4/2015	MW-1		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	24
MW-1	5/26/2016	MW-1		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	9.9
Duplicate	5/26/2016	MW-1	DUP	<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	6.8
MW-1	5/22/2017	MW-1		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	92
Duplicate	5/22/2017	MW-1	DUP	<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	100
MW-1	5/30/2018	MW-1		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	53
Duplicate	5/30/2018	MW-1	DUP	<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	37
MW-1	5/30/2019	MW-1		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	61
MW-1	7/20/2020	MW-1		<0.43U	<0.78U	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	9.44
MW-1	5/27/2021	MW-1		<0.43U	<0.78U	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	22
12574234-052622-BP-004	5/26/2022	MW-1		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	7.3
WG-12574234-051123-BP-006	5/11/2023	MW-1		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	1.5
WG-12574234-052324-BP-006	5/23/2024	MW-1		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	2.8
MW-2R	Baseline	MW-2R		-	-	<1U	<1U	<1U	<1U	<1U	<1UJ	<1U	4.7
Duplicate	Baseline	MW-2R	DUP	-	-	<1U	<1U	<1U	<1U	<1U	<1UJ	<1U	6.2
MW-2R	5/14/2014	MW-2R		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-2R	6/4/2015	MW-2R		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	3.4
Duplicate	6/4/2015	MW-2R	DUP	<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	3.5
MW-2R	5/26/2016	MW-2R		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	2.5
MW-2R	5/22/2017	MW-2R		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	0.98J
MW-2R	5/30/2018	MW-2R		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	0.87J
MW-2R	5/30/2019	MW-2R		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
Duplicate	5/30/2019	MW-2R	DUP	<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	0.55J
MW-2R	7/20/2020	MW-2R		<0.43U	<0.78U	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
Duplicate	7/20/2020	MW-2R	DUP	<0.43U	<0.78U	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
MW-2R	5/27/2021	MW-2R		<0.43U	<0.78U	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
Duplicate	5/27/2021	MW-2R	DUP	<0.43U	<0.78U	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
12574234-052622-BP-006	5/26/2022	MW-2R		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	0.36 J
WG-12574234-DTS-051123-004	5/11/2023	MW-2R		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	0.31 J
WG-12574234-052224-BP-004	5/22/2024	MW-2R		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	0.24 J
MW-4	Baseline	MW-4		-	-	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U
MW-4	5/14/2014	MW-4		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-4	6/4/2015	MW-4		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-4	5/26/2016	MW-4		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-4	5/22/2017	MW-4		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-4	5/30/2018	MW-4		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-4	5/30/2019	MW-4		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-4	7/20/2020	MW-4		<0.43U	<0.78U	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
MW-4	5/27/2021	MW-4		<0.43U	<0.78U	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
12574234-052622-DTS-007	5/26/2022	MW-4		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U
WG-12574234-DTS-051123-001	5/11/2023	MW-4		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U
WG-12574234-DTS-051123-002	5/11/2023	MW-4	DUP	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U
WG-12574234-052224-BP-001	5/22/2024	MW-4		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Brooklyn, NY
BCP Site #C224133

			Analyte	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloro-1,2,2-trifluoroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-dibromo-3-chloropropane	1,2-dibromoethane	1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,3-dichlorobenzene	1,4-dichlorobenzene	1,4-dioxane	2-butanone	2-hexanone	4-methyl-2-pentanone	Acetone	Benzene
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TOGS 1.1.1				5	5		1	5	5		5	0.04	5		0.6	1				50	50		50	1
Sample ID	Date Sampled	Well ID	Sample Type																					
MW-5	Baseline	MW-5		<1U	<1U	-	<1U	<1U	<1U	-	<1UJ	<1UJ	<1U	<1U	<0.5U	<1U	<1U	<1U	-	<1U	<1U	<1U	<10U	<0.5U
MW-5	5/14/2014	MW-5		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	2.2J	<0.5U
Duplicate	5/14/2014	MW-5	DUP	<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	2.7J	<0.5U
MW-5	6/4/2015	MW-5		<2.5U	<0.5U	-	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U
MW-5	5/26/2016	MW-5		<0.7U	<0.14U	<0.7U	<0.5U	<0.7U	<0.14U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.13U	<0.7U	<0.7U	<41U	<1.9U	<1U	<1U	<1.5U	<0.16U
MW-5	5/22/2017	MW-5		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	<1.5U	<0.16U
MW-5	5/30/2018	MW-5		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	2.2J	<0.5U
MW-5	5/30/2019	MW-5		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	<1.5U	<0.16U
MW-5	7/20/2020	MW-5		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U	<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U
MW-5	5/27/2021	MW-5		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U	<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U
12574234-052622-DTS-005	5/26/2022	MW-5		<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U
WG-12574234-051123-BP-003	5/11/2023	MW-5		<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U
WG-12574234-052224-BP-005	5/22/2024	MW-5		<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U
MW-6	Baseline	MW-6		<1U	<1U	-	<1U	<1U	<1U	-	<1UJ	<1UJ	<1U	<1U	<0.5U	<1U	<1U	<1U	-	<1U	<1U	<1U	12	1.1
MW-6	5/14/2014	MW-6		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	3.7J	<0.5U
MW-6	6/4/2015	MW-6		<2.5U	<0.5U	-	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	0.34J
MW-6	5/26/2016	MW-6		<0.7U	<0.14U	<0.7U	<0.5U	<0.7U	<0.14U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.13U	<0.7U	<0.7U	<41U	<1.9U	<1U	<1U	2J	<0.16U
MW-6	5/22/2017	MW-6		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	9.8	<0.16U
MW-6	5/30/2018	MW-6		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	4.5J	<0.5U
MW-6	5/30/2019	MW-6		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	3.5J	<0.16U
MW-6	7/20/2020	MW-6		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U	<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U
MW-6	5/27/2021	MW-6		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U	<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U
12574234-052622-BP-008	5/26/2022	MW-6		<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	0.24 J
WG-12574234-051123-BP-005	5/11/2023	MW-6		<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	0.18 J
WG-12574234-052224-BP-002	5/22/2024	MW-6		<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	2.0 J	<0.50 U
WG-12574234-052224-BP-003	5/22/2024	MW-6	DUP	<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	1.9 J	<0.50 U
MW-7	Baseline	MW-7		<1U	<1U	-	<1U	<1U	<1U	-	<1UJ	<1UJ	<1U	<1UJ	<0.5U	<1U	<1U	<1UJ	-	<1U	<1U	<1U	<10U	0.2
MW-7	5/14/2014	MW-7		<2.5U	<0.5U	<2.5U	<1.5U	0.75J	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	1.6J	2.3
MW-7	6/4/2015	MW-7		<2.5U	<0.5U	-	<1.5U	1.1J	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	4
MW-7	5/26/2016	MW-7		<0.7U	<0.14U	<0.7U	<0.5U	<0.7U	<0.14U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.13U	<0.7U	<0.7U	<41U	<1.9U	<1U	<1U	<1.5U	0.66
MW-7	5/22/2017	MW-7		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	0.22J	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	<1.5U	0.54
MW-7	5/30/2018	MW-7		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	0.24J	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	0.36J
MW-7	5/30/2019	MW-7		<0.7U	<0.17U	<0.7U	<0.5U	<																



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

			Analyte	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene	Methyl acetate	Methyl cyclohexane	Methyl tert butyl ether	Methylene chloride
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1		5	50	5	60	5	5	5	7		5	0.4		50	5	5	5			10	5
Sample ID	Date Sampled	Well ID	Sample Type																					
MW-5	Baseline	MW-5		-	<1U	<1UJ	<1UJ	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1UJ	<1U	<1U	-	<1U	16	<1U
MW-5	5/14/2014	MW-5		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<20U	9.3	<2.5U
Duplicate	5/14/2014	MW-5	DUP	<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	10	<2.5U
MW-5	6/4/2015	MW-5		<2.5U	<0.5U	<2U	<2.5U	3.5J	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	-	<0.5U	<5U	<2.5U	<2.5U	-	-	10	<2.5U
MW-5	5/26/2016	MW-5		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	5.8	<0.7U
MW-5	5/22/2017	MW-5		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	7.9	<0.7U
MW-5	5/30/2018	MW-5		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	12	<2.5U
MW-5	5/30/2019	MW-5		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	<0.7U	<0.7U
MW-5	7/20/2020	MW-5		<0.39U	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	9.93	<0.54U
MW-5	5/27/2021	MW-5		<0.39U	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	12	<0.54U
12574234-052622-DTS-005	5/26/2022	MW-5		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	14	<2.5 U
WG-12574234-051123-BP-003	5/11/2023	MW-5		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	6.6	<2.5 U
WG-12574234-052224-BP-005	5/22/2024	MW-5		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	7.7	<2.5 U
MW-6	Baseline	MW-6		-	<1U	<1UJ	<1UJ	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1UJ	1	<1U	-	<1U	16	<1U
MW-6	5/14/2014	MW-6		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	14	<2.5U
MW-6	6/4/2015	MW-6		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	-	<0.5U	<5U	<2.5U	<2.5U	-	-	17	<2.5U
MW-6	5/26/2016	MW-6		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	14	<0.7U
MW-6	5/22/2017	MW-6		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	5	<0.7U
MW-6	5/30/2018	MW-6		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	22	<2.5U
MW-6	5/30/2019	MW-6		<0.7U	<0.19U	<0.65U	<0.7U	6.7	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	17	<0.7U
MW-6	7/20/2020	MW-6		<0.39U	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	15.5	<0.54U
MW-6	5/27/2021	MW-6		<0.39U	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	18	<0.54U
12574234-052622-BP-008	5/26/2022	MW-6		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	29	<2.5 U
WG-12574234-051123-BP-005	5/11/2023	MW-6		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	21	<2.5 U
WG-12574234-052224-BP-002	5/22/2024	MW-6		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	13	<2.5 U
WG-12574234-052224-BP-003	5/22/2024	MW-6	DUP	<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	13	<2.5 U
MW-7	Baseline	MW-7		-	<1U	<1UJ	<1U	<1U	<1U	1	<1U	<1U	<1U	1.2	<1U	<1U	<1U	<1U	<1U	<1UJ	-	<1U	<0.5U	<1U
MW-7	5/14/2014	MW-7		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	16	<0.5U	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	<2.5U	<2.5U
MW-7	6/4/2015	MW-7		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	6.1	<0.5U	-	<0.5U	<5U	<2.5U	<2.5U	-	-	<2.5U	<2.5U
MW-7	5/26/2016	MW-7		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	17	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	<0.7U	<0.7U
MW-7	5/22/2017	MW-7		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	52	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	<0.7U	<0.7U
MW-7	5/30/2018	MW-7		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	76	<0.5U	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	24	<2.5U
MW-7	5/30/2019	MW-7		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	42	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	3.4	<0.7U
MW-7	7/20/2020	MW-7		<0.39U	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	12.8	<0.3U	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	<0.26U	<0.54U
MW-7	5/27/2021	MW-7		<0.39U	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	11	<0.3U	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	<0.26U	<0.54U
12574234-052522-DTS-002	5/25/2022	MW-7		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	20	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	<2.5 U	<2.5 U
12574234-052522-DTS-003	5/25/2022	MW-7	DUP	<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	17	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	<2.5 U	<2.5 U
WG-12574234-DTS-051123-007	5/11/2023	MW-7		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	25	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	<2.5 U	<2.5 U
WG-12574234-052324-BP-007	5/23/2024	MW-7		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	43	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	0.20 J	<2.5 U



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

Analyte													
				o-xylene	p/m-xylene	Styrene	Tetrachloroethene	Toluene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl chloride
				Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
				TOGS 1.1.1	5	5	5	5	5	0.4	5	5	2
Sample ID	Date Sampled	Well ID	Sample Type										
MW-5	Baseline	MW-5		-	-	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U
MW-5	5/14/2014	MW-5		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
Duplicate	5/14/2014	MW-5	DUP	<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-5	6/4/2015	MW-5		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-5	5/26/2016	MW-5		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-5	5/22/2017	MW-5		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-5	5/30/2018	MW-5		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-5	5/30/2019	MW-5		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	0.63J
MW-5	7/20/2020	MW-5		<0.43U	<0.78U	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
MW-5	5/27/2021	MW-5		<0.43U	<0.78U	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
12574234-052622-DTS-005	5/26/2022	MW-5		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U
WG-12574234-051123-BP-003	5/11/2023	MW-5		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U
WG-12574234-052224-BP-005	5/22/2024	MW-5		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U
MW-6	Baseline	MW-6		-	-	<1U	<1U	4.4	<1U	<1U	<1U	<1U	<1U
MW-6	5/14/2014	MW-6		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-6	6/4/2015	MW-6		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-6	5/26/2016	MW-6		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-6	5/22/2017	MW-6		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-6	5/30/2018	MW-6		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-6	5/30/2019	MW-6		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-6	7/20/2020	MW-6		<0.43U	<0.78U	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
MW-6	5/27/2021	MW-6		<0.43U	<0.78U	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
12574234-052622-BP-008	5/26/2022	MW-6		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U
WG-12574234-051123-BP-005	5/11/2023	MW-6		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U
WG-12574234-052224-BP-002	5/22/2024	MW-6		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U
WG-12574234-052224-BP-003	5/22/2024	MW-6	DUP	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U
MW-7	Baseline	MW-7		-	-	<1U	<1U	<1U	<1U	<1U	1.4J	<1U	2.7
MW-7	5/14/2014	MW-7		<2.5U	<2.5U	<2.5U	2.2	<2.5U	<2.5U	<0.5U	9.1	<2.5U	5.5
MW-7	6/4/2015	MW-7		<2.5U	<2.5U	<2.5U	0.52	<2.5U	0.78J	<0.5U	2.2	<2.5U	5.6
MW-7	5/26/2016	MW-7		<0.7U	<0.7U	<0.7U	1.8	<0.7U	<0.7U	<0.16U	4.8	<0.7U	12
MW-7	5/22/2017	MW-7		<0.7U	<0.7U	<0.7U	11	<0.7U	<0.7U	<0.16U	20	<0.7U	8
MW-7	5/30/2018	MW-7		<2.5U	<2.5U	<2.5U	5.2	<2.5U	<2.5U	<0.5U	14	<2.5U	5.6
MW-7	5/30/2019	MW-7		<0.7U	<0.7U	<0.7U	0.86	<0.7U	<0.7U	<0.16U	3.2	<0.7U	3.6
MW-7	7/20/2020	MW-7		<0.43U	<0.78U	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	0.55J	<0.23U	<0.26U
MW-7	5/27/2021	MW-7		<0.43U	<0.78U	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	0.68	<0.23U	<0.26U
12574234-052522-DTS-002	5/25/2022	MW-7		<2.5 U	<2.5 U	<2.5 U	0.24 J	<2.5 U	<2.5 U	<0.50 U	2.0	<2.5 U	1.6
12574234-052522-DTS-003	5/25/2022	MW-7	DUP	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	1.6	<2.5 U	1.9
WG-12574234-DTS-051123-007	5/11/2023	MW-7		<2.5 U	<2.5 U	<2.5 U	1.8	<2.5 U	<2.5 U	<0.50 U	12	<2.5 U	1.3
WG-12574234-052324-BP-007	5/23/2024	MW-7		<2.5 U	<2.5 U	<2.5 U	10	<2.5 U	<2.5 U	<0.50 U	16	<2.5 U	0.85 J



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Brooklyn, NY
BCP Site #C224133

			Analyte	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloro-1,2,2-trifluoroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-dibromo-3-chloropropane	1,2-dibromoethane	1,2-dichlorobenzene	1,2-dichloroethane	1,2-dichloropropane	1,3-dichlorobenzene	1,4-dichlorobenzene	1,4-dioxane	2-butanone	2-hexanone	4-methyl-2-pentanone	Acetone	Benzene
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1	5	5		1	5	5		5	0.04	5		0.6	1				50	50		50	1
			Sample ID	Date Sampled	Well ID	Sample Type																		
MW-8	Baseline	MW-8		<1UJ	<1UJ	-	<1U	<1U	<1U	-	<1UJ	<1UJ	<1U	<1UJ	<0.5U	<1U	<1U	<1UJ	-	<1U	<1U	<1U	<10U	<0.5U
MW-8	5/14/2014	MW-8		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	1.4J	<0.5U
MW-8	6/4/2015	MW-8		<2.5U	<0.5U	-	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U
MW-8	5/26/2016	MW-8		<0.7U	<0.14U	<0.7U	<0.5U	<0.7U	<0.14U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.13U	<0.7U	<0.7U	<0.7U	<41U	<1.9U	<1U	<1U	<1.5U	<0.16U
MW-8	5/22/2017	MW-8		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	<1.5U	<0.16U
MW-8	5/30/2018	MW-8		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U
MW-8	5/30/2019	MW-8		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U	<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	<1.5U	<0.16U
MW-8	7/20/2020	MW-8		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U	<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U
MW-8	5/27/2021	MW-8		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U	<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U
12574234-052522-DTS-001	5/25/2022	MW-8		<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U
WG-12574234-051123-BP-008	5/11/2023	MW-8		<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U
WG-12574234-052324-BP-008	5/23/2024	MW-8		<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U

Bold and highlighted cells indicate the analyte exceeds the Class GA water quality standard or

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Where one sample result was non-detect, the laboratory method detection limit for that analyte was used in the RPD calculation

Thick outlined and highlighted cells indicate an RPD outside of the recommended 20% range

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Table 3: Summary of Groundwater Sample Laboratory Analytical Results

			Analyte	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene	Methyl acetate	Methyl cyclohexane	Methyl tert butyl ether	Methylene chloride
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1		5	50	5	60	5	5	5	7		5	0.4		50	5	5	5			10	5
Sample ID	Date Sampled	Well ID	Sample Type																					
MW-8	Baseline	MW-8		-	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	-	<1U	<0.5U	<1U
MW-8	5/14/2014	MW-8		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	<2.5U	<2.5U
MW-8	6/4/2015	MW-8		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	-	<0.5U	<5U	<2.5U	<2.5U	-	-	<2.5U	<2.5U
MW-8	5/26/2016	MW-8		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	<0.7U	<0.7U
MW-8	5/22/2017	MW-8		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	<0.7U	<0.7U
MW-8	5/30/2018	MW-8		<2.5U	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	<2.5U	<2.5U
MW-8	5/30/2019	MW-8		<0.7U	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	<0.7U	<0.7U
MW-8	7/20/2020	MW-8		<0.39U	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	<0.26U	<0.54U
MW-8	5/27/2021	MW-8		<0.39U	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	<0.26U	<0.54U
12574234-052522-DTS-001	5/25/2022	MW-8		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	<2.5 U	<2.5 U
WG-12574234-051123-BP-008	5/11/2023	MW-8		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	<2.5 U	<2.5 U
WG-12574234-052324-BP-008	5/23/2024	MW-8		<2.5 U	<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	<2.5 U	<2.5 U

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Where one sample result was non-detect, the laboratory method detection limit for that analyte was used in the RPD calculation

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Table 3: Summary of Groundwater Sample Laboratory Analytical Results

				Analyte									
				Units	o-xylene	p/m-xylene	Styrene	Tetrachloroethene	Toluene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Trichlorofluoromethane
				TOGS 1.1.1	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
					5	5	5	5	5	5	0.4	5	5
Sample ID	Date Sampled	Well ID	Sample Type										
MW-8	Baseline	MW-8		-	-	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U
MW-8	5/14/2014	MW-8		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-8	6/4/2015	MW-8		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-8	5/26/2016	MW-8		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-8	5/22/2017	MW-8		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-8	5/30/2018	MW-8		<2.5U	<2.5U	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-8	5/30/2019	MW-8		<0.7U	<0.7U	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-8	7/20/2020	MW-8		<0.43U	<0.78U	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
MW-8	5/27/2021	MW-8		<0.43U	<0.78U	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
12574234-052522-DTS-001	5/25/2022	MW-8		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U
WG-12574234-051123-BP-008	5/11/2023	MW-8		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U
WG-12574234-052324-BP-008	5/23/2024	MW-8		<2.5 U	<2.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U

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Table 3: Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Brooklyn, NY
BCP Site #C224133

			Analyte	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Mercury, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total			
				Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L			
				TOGS 1.1.1		3	25	1000	3	5		50		200	300	25	35000	300	0.7	100		10	50	20000	0.5		2000		
Sample ID	Date Sampled	Well ID	Sample Type																										
MW-1	Baseline	MW-1		220	<12U	<8U	180	<4U	<4U	210,000	<50U	<20U	<50U	4100	6	36,000	3000	<1U	<50U	18,000	<40U	<20U	220,000J	<10U	<50U	<50U			
MW-1	5/14/2014	MW-1		2710	6.53	4.26	218.7	0.17J	0.83	166,000	35.47	3.58	66.06	21,500	147.4	29,100	2458	3.27	30.45	13,900	1.03J	0.66	290,000	0.04J	9.55	298.2			
MW-1	6/4/2015	MW-1		5230	2.1	12.1	333.3	0.4J	2.1	211,000	91.6	7.9	180	24,000	360.1	36,200	3322	0.81	69.1	17,500	2J	1.6	315,000	0.1J	34.1	952.9			
MW-1	5/26/2016	MW-1		1000	0.7J	2.5	235.6	<0.2U	0.5	189,000	18.2	2	17.7	7160	85.7	31,100	2939	0.14J	18.4	16,300	<1U	0.1J	342,000	<0.1U	4.3J	104.2			
Duplicate	5/26/2016	MW-1	DUP	1110	0.8J	2.7	225.3	<0.2U	0.4	181,000	18.8	2	18.3	7430	76.1	31,500	2788	0.1J	20.4	16,500	<1U	0.1J	333,000	<0.1U	4.1J	114.1			
MW-1	5/22/2017	MW-1		19.8	<0.42U	1.54	284.9	<0.1U	0.06J	276,000	2.89	1.16	0.71J	3710	0.84J	39,200	2792	<0.06U	9.44	20,700	<1.73U	<0.16U	477,000	<0.14U	<1.57U	4.44J			
Duplicate	5/22/2017	MW-1	DUP	16.9	<0.42U	1.4	277.4	<0.1U	0.08J	256,000	2.73	1.36	<0.38U	3690	0.83J	39,900	2707	<0.06U	7.27	19,200	<1.73U	<0.16U	478,000	<0.14U	<1.57U	3.89J			
MW-1	5/30/2018	MW-1		700	0.69J	3.01	224.9	<0.5U	0.36	182,000	11.93	2.12	21.1	6260	45.6	32,600	2093	<0.2U	13.13	16,100	<5U	0.17J	369,000	<0.5U	3.55J	82.02			
Duplicate	5/30/2018	MW-1	DUP	272	<4U	1.77	192.2	<0.5U	0.22	160,000	5.81	1.51	7.73	4730	17.16	28,500	1841	<0.2U	9.07	14,200	<5U	<0.4U	325,000	<0.5U	1.61J	31.44			
MW-1	5/30/2019	MW-1		75.8	10.14	3.87	171.4	<0.1U	0.13J	152,000	2.54	0.97	1.88	3920	4.04	32,100	1856	<0.09U	6.89	14,500	<1.73U	<0.16U	338,000	0.19J	2.07J	9.31J			
MW-1	7/20/2020	MW-1		536	<4U	2.42	163.9	<0.5U	0.25	132,000	6.43	1.46	10.81	6260	24.89	33,800	1747	<0.2U	13.26	13,000	<5U	<0.4U	233,000	<0.5U	<5U	48.37			
MW-1	5/27/2021	MW-1		1210	<4U	17.35	213.6	<0.5U	0.96	143,000	22.78	2.31	40.11	35,500	77.96	34,400	1865	<0.2U	21.6	13,300	<5U	1.16	511,000	<0.5U	7	124.8			
12574234-052622-BP-004	5/26/2022	MW-1		239	<4.00 U	3.75	186.1	<0.50 U	0.16 J	134,000	4.98	0.97	5.72	7,980	25.70	35,400	1,908	0.14 J	9.38	12,900	<5.00 U	<0.40 U	339,000	<1.00 U	<5.00 U	31.76			
WG-12574234-051123-BP-006	5/11/2023	MW-1		48.7	<4.00 U	1.01	169.2	<0.50 U	<0.20 U	111,000	1.82	0.56	0.81 J	4,480	2.27	26,600	1,248	<0.20 U	6.73	12,200	<5.00 U	<0.40 U	268,000	<1.00 U	<5.00 U	6.96 J			
WG-12574234-052324-BP-006	5/23/2024	MW-1		51.7	<4.00 U	0.50	138.0	<0.50 U	<0.20 U	96,700	1.11	0.56	1.02	2,200	2.03	36,000	1,037	<0.20 U	5.67	11,600	<5.00 U	<0.40 U	204,000	<1.00 U	<5.00 U	4.73 J			
MW-2R	Baseline	MW-2R		4200J	<12U	<8U	200	<4U	<4U	320,000	<50U	<20U	<50U	13,000J	120J	140,000	900	<1U	<50U	55,000	<40U	<20U	770,000J	<10U	<50U	120			
Duplicate	Baseline	MW-2R	DUP	1700J	<12U	<8U	160	<4U	<4U	280,000	<50U	<20U	<50U	9000J	49J	120,000	790	<1U	<50U	48,000	<40U	<20U	660,000J	<10U	<50U	76			
MW-2R	5/14/2014	MW-2R		404	3.12	36.36	192.8	0.1J	0.19J	88,100	10.5	1.18	20.21	58,600	73.18	33,900	374.7	0.38	3.41	14,400	0.53J	<0.4U	142,000	<0.5U	6.59	68.19			
MW-2R	6/4/2015	MW-2R		1690	2.1	7.8	227.1	0.2J	0.1J	93,300	10.4	2.6	30.9	24,100	178	35,700	699.3	0.46	5.5	16,000	<5U	0.1J	221,000	<0.5U	8.1	80.8			
Duplicate	6/4/2015	MW-2R	DUP	1660	2.4	8.5	224.5	<0.5U	0.1J	84,900	10.1	2.3	26.2	24,000	165.3	33,800	624.2	0.36	6.1	15,300	<5U	<0.4U	215,000	<0.5U	7.6	69.9			
MW-2R	5/26/2016	MW-2R		33	0.3J	6.8	227.7	<0.2U	<0.1U	73,700	0.5J	0.2	<0.3U	14,000	1.9	33,800	804.9	0.09J	1.3J	14,300	<1U	<0.1U	200,000	<0.1U	<0.6U	<2.6U			
MW-2R	5/22/2017	MW-2R		193	<0.42U	6.51	298	<0.1U	0.2	73,300	1.01	0.23J	2.47	14,100	13.48	34,400	708.6	0.06J	1.75J	16,500	<1.73U	<0.16U	273,000	<0.14U	<1.57U	5.88J			
MW-2R	5/30/2018	MW-2R		35.5	0.8J	6.25	308.7	<0.5U	<0.2U	82,200	0.4J	<0.5U	0.6J	17,300	2.01	41,500	901.2	<0.2U	<2U	16,800	<5U	<0.4U	178,000	<0.5U	<5U	<10U			
MW-2R	5/30/2019	MW-2R		375	0.51J	4.43	371.6	<0.1U	<0.05U	96,800	2.05	0.55	4.92	19,000	22.43	44,300	1009	<0.09U	0.69J	19,600	<1.73U	<0.16U	253,000	<0.14U	1.94J	7.43J			
Duplicate	5/30/2019	MW-2R	DUP	358	0.47J	4.43	366.9	<0.1U	<0.05U	95,400	1.94	0.38J	4.86	18,900	22.73	44,300	984.3	<0.09U	0.65J	19,300	<1.73U	<0.16U	250,000	<0.14U	1.68J	6.78J			
MW-2R	7/20/2020	MW-2R		231	<4U	4.36	381	<0.5U	<0.2U	93,600	1.4	<0.5U	2.83	17,700	13.12	42,100	868.9	<0.2U	<2U	19,000	<5U	<0.4U	244,000	<0.5U	<5U	<10U			
Duplicate	7/20/2020	MW-2R	DUP	221	<4U	4.2	365.5	<0.5U	<0.2U	90,300	1.31	<0.5U	2.84	17,800	13.68	41,300	857.4	<0.2U	<2										



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

			Analyte	Aluminum, Dissolved (Filtered)	Antimony, Dissolved (Filtered)	Arsenic, Dissolved (Filtered)	Barium, Dissolved (Filtered)	Beryllium, Dissolved (Filtered)	Cadmium, Dissolved (Filtered)	Calcium, Dissolved (Filtered)	Chromium, Dissolved (Filtered)	Cobalt, Dissolved (Filtered)	Copper, Dissolved (Filtered)	Iron, Dissolved (Filtered)	Lead, Dissolved (Filtered)	Magnesium, Dissolved (Filtered)	Manganese, Dissolved (Filtered)	Mercury, Dissolved (Filtered)	Nickel, Dissolved (Filtered)	Potassium, Dissolved (Filtered)	Selenium, Dissolved (Filtered)	Silver, Dissolved (Filtered)	Sodium, Dissolved (Filtered)	Thallium, Dissolved (Filtered)	Vanadium, Dissolved (Filtered)	Zinc, Dissolved (Filtered)	
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
			TOGS 1.1.1		3	25	1000	3	5		50		200	300	25	35000	300	0.7	100		10	50	20000	0.5		2000	
Sample ID	Date Sampled	Well ID	Sample Type																								
MW-1	Baseline	MW-1		<180U	<12U	8.3	140	<4U	<4U	180,000	<50U	<20U	<50U	760	<4U	30,000	2500	<1U	<50U	15,000	<40U	<20U	190,000J	<10U	<50U	<50U	
MW-1	5/14/2014	MW-1		9.6J	0.17J	1.68	175.8	<0.5U	<0.2U	193,000	3.34	0.82	0.64J	7470	<1U	27,300	2728	<0.2U	7.43	14,200	1.29J	<0.4U	356,000	<0.5U	0.35J	2.48J	
MW-1	6/4/2015	MW-1		10.6	0.1J	0.8	195.9	<0.5U	<0.5U	159,000	3.04	1.3	0.3J	5360	<1U	30,800	2886	<0.2U	10.17	15,800	<100U	<5U	298,000	<0.5U	<5U	4.87J	
MW-1	5/26/2016	MW-1		8J	1.2J	2.2	200.1	<0.2U	<0.1U	198,000	2.9	1.3	<0.3U	1920	0.2J	30,300	3222	<0.06U	14.1	16,400	<1U	<0.1U	382,000	<0.1U	<0.6U	<2.6U	
Duplicate	5/26/2016	MW-1	DUP	4J	0.7J	1	213.5	<0.2U	<0.1U	247,000	3.3	1.7	<0.3U	2090	0.1J	32,800	3892	<0.06U	14.6	16,800	<1U	<0.1U	470,000	<0.1U	<0.6U	<2.6U	
MW-1	5/22/2017	MW-1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Duplicate	5/22/2017	MW-1	DUP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-1	5/30/2018	MW-1		6.76J	0.69J	1.14	182.2	<0.5U	<0.2U	183,000	0.96J	1.56	1.48	25.6J	<1U	26,400	1771	<0.2U	8.2	15,900	<5U	<0.4U	430,000	<0.5U	<5U	7.39J	
Duplicate	5/30/2018	MW-1	DUP	6.66J	0.55J	1.01	180.8	<0.5U	<0.2U	183,000	0.97J	1.59	0.4J	24.4J	<1U	26,600	1726	<0.2U	8.42	15,800	<5U	<0.4U	425,000	<0.5U	<5U	4.89J	
MW-1	5/30/2019	MW-1		4.73J	3.54J	2.76	151	<0.1U	<0.05U	160,000	0.81J	1.34	<0.38U	97.7	<0.34U	38,400	1901	<0.09U	6.87	15,200	<1.73U	<0.16U	361,000	0.19J	<1.57U	<3.41U	
MW-1	7/20/2020	MW-1		<10U	<4U	<0.5U	127.4	<0.5U	<0.2U	119,000	<1U	1.24	<1U	103	<1U	32,000	1600	<0.2U	9.69	11,900	<5U	<0.4U	220,000	<0.5U	<5U	12.22	
MW-1	5/27/2021	MW-1		<10U	<4U	2	172.6	<0.5U	<0.2U	153,000	<1U	0.95	<1U	1620	<1U	36,900	2043	<0.2U	7.93	14,600	<5U	<0.4U	558,000	<0.5U	<5U	<10U	
12574234-052622-BP-004	5/26/2022	MW-1		<10.0 U	<4.00 U	0.92	161.9	<0.50 U	<0.20 U	145,000	0.64 J	0.67	<1.00 U	449	<1.00 U	41,400	1,805	<0.20 U	5.44	14,100	<5.00 U	<0.40 U	656,000	<1.00 U	<5.00 U	<10.00 U	
WG-12574234-051123-BP-006	5/11/2023	MW-1		<10.0 U	<4.00 U	0.82	135.9	<0.50 U	<0.20 U	123,000	0.82 J	0.55	<1.00 U	158	<1.00 U	31,900	1,617	<0.20 U	6.29	11,700	<5.00 U	<0.40 U	269,000	<1.00 U	<5.00 U	<10.00 U	
WG-12574234-052324-BP-006	5/23/2024	MW-1		7.97 J	<4.00 U	0.47 J	148.2	<0.50 U	<0.20 U	99,900	0.71 J	0.55	<1.00 U	2,430	<1.00 U	35,200	1,129	<0.20 U	5.07	12,200	<5.00 U	<0.40 U	227,000	<1.00 U	<5.00 U	<10.00 U	
MW-2R	Baseline	MW-2R		<180U	<12U	<8U	160	<4U	<4U	320,000	<50U	<20U	<50U	870	<4U	140,000	830	<1U	<50U	55,000	<40U	<20U	760,000J	<10U	<50U	<50U	
Duplicate	Baseline	MW-2R	DUP	<180U	<12U	<8U	160	<4U	<4U	310,000	<50U	<20U	<50U	750	<4U	140,000	860	<1U	<50U	54,000	<40U	<20U	750,000J	<10U	<50U	<50U	
MW-2R	5/14/2014	MW-2R		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-2R	6/4/2015	MW-2R		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Duplicate	6/4/2015	MW-2R	DUP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-2R	5/26/2016	MW-2R		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-2R	5/22/2017	MW-2R		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-2R	5/30/2018	MW-2R		4.54J	<4U	0.83	231.6	<0.5U	<0.2U	88,800	0.18J	0.18J	0.82J	35.1J	<1U	34,400	915.9	<0.2U	0.87J	17,400	<5U	<0.4U	213,000	<0.5U	<5U	<10U	
MW-2R	5/30/2019	MW-2R		<3.27U	1.13J	0.68	275.2	<0.1U	<0.05U	89,600	<0.17U	0.17J	<0.38U	1840	<0.34U	45,600	911.9	<0.09U	0.75J	18,000	<1.73U	<0.16U	230,000	<0.14U	<1.57U	<3.41U	
Duplicate	5/30/2019	MW-2R	DUP	<3.27U	0.93J	0.61	272.9	<0.1U	<0.05U	89,800	<0.17U	<0.16U	<0.38U	1010	<0.34U	45,500	930.6	<0.09U	0.73J	18,200	<1.73U	<0.16U	230,000	<0.14U	<1.57U	<3.41U	
MW-2R	7/20/2020	MW-2R		<10U	<4U	0.58	316.3	<0.5U	<0.2U	94,100	<1U	<0.5U	<1U	404	<1U	42,700	830.2	<0.2U	<2U	19,300	<5U	<0.4U	254,000	<0.5U	<5U	<10U	
Duplicate	7/20/2020	MW-2R	DUP	<10U	<4U	<0.5U	305.4	<0.5U	<0.2U	94,600	<1U	<0.5U	1.06	269	<1U	43,600	826.2	<0.2U	<2U	19,400	<5U	<0.4U	257,000	<0.5U	<5U	<10U	
MW-2R	5/27/2021	MW-2R		<10U	<4U	1.15	342.1	<0.5U	<0.2U	96,400	<1U	<0.5U	<1U	2180	<1U	46,800	890.2	<0.2U	<2U	18,500	<5U	<0.4U	293,000	<0.5U	<5U	<10U	
Duplicate	5/27/2021	MW-2R	DUP	<10U	<4U	1.91	351.4	<0.5U	<0.2U	97,700	<1U	<0.5U	<1U	8110	<1U	46,300	931.2	<0.2U	<2U	18,900	<5U	<0.4U	292,000	<0.5U	<5U	<10U	
12574234-052622-BP-006	5/26/2022																										



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

			Analyte	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Mercury, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total		
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
			TOGS 1.1.1		3	25	1000	3	5		50		200	300	25	35000	300	0.7	100		10	50	20000	0.5		2000		
Sample ID	Date Sampled	Well ID	Sample Type																									
MW-5	Baseline	MW-5		<180U	<12U	25	56	<4U	<4U	210,000J	<50U	<20U	<50U	4000	6	120,000J	950	<1U	<50U	73,000	<40U	<20U	740,000J	<10U	<50U	<50U		
MW-5	5/14/2014	MW-5		2380	3.01	11.91	126.4	0.12J	1.56	243,000	8.36	3.84	49.9	16,400	244.8	147,000	1020	6.02	26.93	75,300	0.77J	0.17J	1,140,000	0.06J	12.03	736.6		
Duplicate	5/14/2014	MW-5	DUP	4070	4.21	19.91	167.5	0.21J	2.45	240,000	14.57	6.66	88.29	30,600	375.6	137,000	1016	12.5	45.52	70,000	1.18J	0.33J	1,130,000	0.11J	22.13	1320		
MW-5	6/4/2015	MW-5		589	0.9J	3	125.7	<0.5U	0.5	228,000	3.6	2.4	13.2	4070	90.4	156,000	1060	0.93	14	72,500	<5U	<0.4U	1,030,000	<0.5U	4.2J	223.7		
MW-5	5/26/2016	MW-5		242	1.5J	3.7	129.2	<0.2U	0.2J	224,000	1.7J	1	<0.3U	5740	46	306,000	768.1	0.29	6.8	115,000	<1U	<0.1U	3,020,000	0.1J	2J	29.6		
MW-5	5/22/2017	MW-5		8.24J	3.31J	7.57	68.44	<0.1U	<0.05U	197,000	4.89	1.08	0.51J	3010	<1.71U	174,000	449.9	<0.06U	11.62	84,000	<1.73U	<0.16U	1,800,000	<0.71U	<1.57U	15.6		
MW-5	5/30/2018	MW-5		95.5	3.89J	4.06	80.6	<0.5U	0.16J	259,000	0.79J	0.96	3.69	3300	15.02	170,000	531	<0.2U	8.52	91,400	<5U	<0.4U	1,470,000	<0.5U	<5U	36.68		
MW-5	5/30/2019	MW-5		1960	3.97J	21.22	183.8	<0.1U	3.94	268,000	9.91	7.43	78.3	6570	409.6	214,000	508.6	3.18	46.22	106,000	<1.73U	0.3J	2,210,000	0.16J	15.84	543.9		
MW-5	7/20/2020	MW-5		21.2	<4U	1.98	79.67	<0.5U	<0.2U	150,000	<1U	0.56	1.49	1850	3.41	180,000	268	<0.2U	3.85	78,900	<5U	<0.4U	1,800,000	<0.5U	<5U	10.24		
MW-5	5/27/2021	MW-5		64.2	<4U	1.58	74.9	<0.5U	<0.2U	160,000	<1U	0.71	1.7	1200	8.11	133,000	225.4	<0.2U	4.44	64,900	<5U	<0.4U	1,350,000	<0.5U	<5U	11.14		
12574234-052622-DTS-005	5/26/2022	MW-5		9.93 J	<4.00 U	1.43	130.2	<0.50 U	0.13 J	219,000	0.41 J	0.43 J	0.45 J	1,450	0.80 J	211,000	464.6	0.11 J	3.04	68,700	<5.00 U	<0.40 U	2,090,000	<1.00 U	<5.00 U	14.25		
WG-12574234-051123-BP-003	5/11/2023	MW-5		64.5 J	<40.00 U	3.75 J	112.3	<5.00 U	<2.00 U	194,000	<10.00 U	<5.00 U	<10.00 U	2,180	<10.00 U	231,000	346.8	<0.20 U	<20.00 U	90,700	<50.0 U	<4.00 U	2,130,000	<10.00 U	<50.00 U	<100.0 U		
WG-12574234-052224-BP-005	5/22/2024	MW-5		26.9	<4.00 U	1.21	67.91	<0.50 U	0.14 J	146,000	<1.00 U	0.45 J	0.77 J	887	2.81	153,000	106.7	<0.20 U	4.28	55,700	<5.00 U	<0.40 U	1,350,000	<1.00 U	<5.00 U	15.32		
MW-6	Baseline	MW-6		<180U	<12U	14	140	<4U	<4U	360,000J	<50U	<20U	<50U	650	10	47,000J	640	<1U	<50U	66,000	<40U	<20U	410,000J	<10U	<50U	<50U		
MW-6	5/14/2014	MW-6		137	3.09	7.55	104.8	<0.5U	0.93	292,000	3.97	4.53	3.64	5820	9.28	46,300	1526	<0.2U	22.81	61,100	0.51J	<0.4U	385,000	<0.5U	2.66J	819.6		
MW-6	6/4/2015	MW-6		330	1.4J	3.2	156	<0.5U	0.2	285,000	2.1	1.3	4.9	1270	17.4	52,500	757.3	<0.2U	8	54,200	<5U	<0.4U	393,000	<0.5U	3.1J	121.7		
MW-6	5/26/2016	MW-6		191	1.1J	4.5	166.5	<0.2U	0.8	280,000	1.2J	1.4	7.1	1870	15.1	57,400	952.6	<0.06U	9.4	60,800	<1U	<0.1U	470,000	<0.1U	2J	98.3		
MW-6	5/22/2017	MW-6		449	1.95J	14.06	145.5	<0.1U	1.45	286,000	3.44	2.15	11.45	5550	25.67	40,000	1118	<0.06U	11.82	49,900	<1.73U	<0.16U	408,000	<0.14U	4.95J	177		
MW-6	5/30/2018	MW-6		1230	4.92	10.44	217.1	<0.5U	0.59	340,000	3.75	2.92	28.28	6000	92.14	49,000	1165	<0.2U	11.23	61,000	<5U	<0.4U	490,000	<0.5U	6.45	157.5		
MW-6	5/30/2019	MW-6		488	1.89J	4.96	174	<0.1U	0.21	287,000	2.38	1.27	8.84	2260	38.15	40,200	729.6	<0.09U	5.71	63,300	<1.73U	<0.16U	593,000	<0.14U	3.53J	40.84		
MW-6	7/20/2020	MW-6		38,000	37.71	167.7	898.7	2.85	7.26	445,000	85.98	41.8	656.4	112,000	2312	50,300	2856	4.31	140.7	62,400	<25U	<2U	506,000	<2.5U	155.1	3089		
MW-6	5/27/2021	MW-6		403	<4U	6.97	127.9	<0.5U	<0.2U	200,000	1.01	1.49	7.2	3040	22.46	34,300	565.6	<0.2U	6.82	50,600	<25U	<2U	470,000	<2.5U	<5U	33.57		
12574234-052622-BP-008	5/26/2022	MW-6		19.6	<4.00 U	6.53	123.2	<0.50 U	<0.20 U	235,000	0.36 J	0.90	<1.00 U	1,540	1.29	35,000	707.8	0.09 J	4.47	44,200	<5.00 U	<0.40 U	546,000	<1.00 U	<5.00 U	9.51 J		
WG-12574234-051123-BP-005	5/11/2023	MW-6		13.2	<4.00 U	4.20	239.0	<0.50 U	<0.20 U	194,000	0.28 J	0.94	<1.00 U	1,080	0.91 J	29,300	682.7	<0.20 U	4.53	42,400	<5.00 U	<0.40 U	538,000	<1.00 U	<5.00 U	6.24 J		
WG-12574234-052224-BP-002	5/22/2024	MW-6		93.8	<4.00 U	2.82	163.8	<0.50 U	<0.20 U	196,000	<1.00 U	0.77	1.36	854	3.44	40,100	500.3	<0.20 U	4.05	53,400	<5.00 U	<0.40 U	608,000	<1.00 U	<5.00 U	8.25 J		
WG-12574234-052224-BP-003	5/22/2024	MW-6	DUP	99.6	<4.00 U	3.55	171.0	<0.50 U	<0.20 U	203,000	0.35 J	0.83	1.36	977	3.93	40,800	527.4	<0.20 U	4.39	55,400	<5.00 U	<0.40 U	572,000	<1.00 U	<5.00 U	8.61 J		
MW-7	Baseline	MW-7		<180U	<12U	<8U	150	<4U	<4U	110,000	<50U	<20U	<50U	6400	<4U	7300	830	<1U	100	13,000	<40U	<20U	330,000J	<10U	<50U	<50U		
MW-7	5/14/2014	MW-7		2.89J	0.52J	1.4	85.68	<0.5U	<0.2U	109,000	0.99J	1.15	1.13J	3170	<1U	7040	823.6	<0.2U	121.9	9020	<5U	<0.4U	153,000	<0.5U	<5U	9.03J		
MW-7	6/4/2015	MW-7		40	0.2J	2.8	120.7	<0.5U	<0.2U	122,000	7.7	1.5	1.9J	5040	1.1	10,300	913.5	<0.2U	160	12,200	<5U	<0.4U	186,000	<0.5U	<5U	42.6		
MW-7	5/26/2016	MW-7		50	0.3J	2.3	97.9	<0.2U	<0.1U	91,600	7.3	1.3	<0.3U	4630	0.7J	8580	801.4	0.11J	173.4	11,400	<1U	<0.1U	138,000	<0.1U	<0.6U	<2.6U		
MW-7	5/22/2017	MW-7		15.5	<0.42U	1.47	67.41	<0.1U	<0.05U	85,000	4.01	1.82	<0.38U	3750	0.39J	9690	1074	<0.06U										



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

			Analyte	Aluminum, Dissolved (Filtered)	Antimony, Dissolved (Filtered)	Arsenic, Dissolved (Filtered)	Barium, Dissolved (Filtered)	Beryllium, Dissolved (Filtered)	Cadmium, Dissolved (Filtered)	Calcium, Dissolved (Filtered)	Chromium, Dissolved (Filtered)	Cobalt, Dissolved (Filtered)	Copper, Dissolved (Filtered)	Iron, Dissolved (Filtered)	Lead, Dissolved (Filtered)	Magnesium, Dissolved (Filtered)	Manganese, Dissolved (Filtered)	Mercury, Dissolved (Filtered)	Nickel, Dissolved (Filtered)	Potassium, Dissolved (Filtered)	Selenium, Dissolved (Filtered)	Silver, Dissolved (Filtered)	Sodium, Dissolved (Filtered)	Thallium, Dissolved (Filtered)	Vanadium, Dissolved (Filtered)	Zinc, Dissolved (Filtered)
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1		3	25	1000	3	5		50		200	300	25	35000	300	0.7	100		10	50	20000	0.5		2000
Sample ID	Date Sampled	Well ID	Sample Type																							
MW-5	Baseline	MW-5		<180U	<12U	10	54	<4U	<4U	220,000J	<50U	<20U	<50U	370	4	120,000J	970	<1U	<50U	77,000	<40U	<20U	760,000J	<10U	<50U	<50U
MW-5	5/14/2014	MW-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duplicate	5/14/2014	MW-5	DUP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	6/4/2015	MW-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	5/26/2016	MW-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	5/22/2017	MW-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	5/30/2018	MW-5		3.75J	1.75J	0.98	82.71	<0.5U	<0.2U	249,000	<1U	0.73	0.9J	35J	<1U	160,000	511.1	<0.2U	5.02	89,000	<5U	<0.4U	1,540,000	<0.5U	<5U	7.43J
MW-5	5/30/2019	MW-5		3.29J	3.54J	1.58	97.95	<0.1U	0.08J	194,000	<0.17U	1.55	0.71J	168	2.71	216,000	415.8	<0.09U	10.96	79,800	<1.73U	<0.16U	1,980,000	0.18J	<1.57U	54.04
MW-5	7/20/2020	MW-5		<10U	<4U	1.32	76.76	<0.5U	<0.2U	158,000	<1U	0.69	<1U	<50U	<1U	200,000	269	<0.2U	3.96	79,300	<5U	<0.4U	1,980,000	<0.5U	<5U	<10U
MW-5	5/27/2021	MW-5		<10U	<4U	1.07	67.42	<0.5U	<0.2U	166,000	<1U	0.71	<1U	<50U	<1U	136,000	215.3	<0.2U	5.1	71,800	<5U	<0.4U	1,320,000	<0.5U	<5U	<10U
12574234-052622-DTS-005	5/26/2022	MW-5		4.72 J	0.86 J	1.70	128.6	<0.50 U	<0.20 U	271,000	<1.00 U	0.45 J	<1.00 U	176	<1.00 U	231,000	393.5	<0.20 U	2.91	112,000	<5.00 U	<0.40 U	2,330,000	0.19 J	<5.00 U	<10.00 U
WG-12574234-051123-BP-003	5/11/2023	MW-5		<200 U	<80.00 U	<10.00 U	111.9	<10.00 U	<4.00 U	221,000	<20.00 U	<10.00 U	<20.00 U	905 J	<20.00 U	254,000	410.3	<0.20 U	<40.00 U	106,000	<100 U	<8.00 U	2,360,000	<20.00 U	<100.0 U	<200.0 U
WG-12574234-052224-BP-005	5/22/2024	MW-5		13.1	0.64 J	1.16	66.62	<5.00 U	<0.20 U	98,600	<1.00 U	0.38 J	<1.00 U	756	0.72 J	136,000	112.7	<0.20 U	4.10	53,800	<5.00 U	<0.40 U	1,430,000	<1.00 U	<5.00 U	5.50 J
MW-6	Baseline	MW-6		<180U	<12U	10	130	<4U	<4U	340,000J	<50U	<20U	<50U	370	5	46,000J	630	<1U	<50U	65,000	<40U	<20U	400,000J	<10U	<50U	<50U
MW-6	5/14/2014	MW-6		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	6/4/2015	MW-6		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	5/26/2016	MW-6		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	5/22/2017	MW-6		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	5/30/2018	MW-6		9.72J	3.82J	5.05	159.1	<0.5U	<0.2U	363,000	0.43J	1.25	1.98	79.9	0.76J	43,000	1155	<0.2U	6.44	49,400	<5U	<0.4U	617,000	0.23J	<5U	13.14
MW-6	5/30/2019	MW-6		<6.54U	3.64J	5.97	114.8	<0.21U	<0.11U	262,000	<0.35U	1.22	<0.76U	138	<0.68U	39,600	868.6	<0.09U	6.6	53,800	<3.46U	<0.32U	504,000	<0.28U	<3.14U	15.95J
MW-6	7/20/2020	MW-6		24.2	<4U	9.38	94.96	<0.5U	<0.2U	240,000	<1U	1.75	1.67	138	3.5	34,200	656.7	<0.2U	10.23	53,800	<5U	<0.4U	440,000	<0.5U	<5U	33.09
MW-6	5/27/2021	MW-6		<10U	<4U	4.27	103.3	<0.5U	<0.2U	208,000	<1U	0.98	<1U	50.7	<1U	38,700	515.3	<0.2U	4.88	52,700	<5U	<0.4U	473,000	<0.5U	<5U	<10U
12574234-052622-BP-008	5/26/2022	MW-6		7.23 J	<4.00 U	6.78	111.8	<0.50 U	<0.20 U	206,000	<1.00 U	0.83	<1.00 U	44.9J	<1.00 U	39,300	621.9	<0.20 U	3.59	58,400	<5.00 U	<0.40 U	615,000	<1.00 U	<5.00 U	<10.00 U
WG-12574234-051123-BP-005	5/11/2023	MW-6		5.89 J	0.52 J	4.99	204.3	<0.50 U	<0.20 U	230,000	0.26 J	0.95	<1.00 U	55.4	<1.00 U	39,800	843.9	<0.20 U	4.30	52,600	<5.00 U	<0.40 U	557,000	<1.00 U	<5.00 U	<10.00 U
WG-12574234-052224-BP-002	5/22/2024	MW-6		12.1	<4.00 U	4.14	157.6	<5.00 U	<0.20 U	208,000	<1.00 U	0.67	<1.00 U	810	0.43 J	37,500	573.1	<0.20 U	3.34	52,600	<5.00 U	<0.40 U	565,000	<1.00 U	<5.00 U	<10.00 U
WG-12574234-052224-BP-003	5/22/2024	MW-6	DUP	40.6	<4.00 U	3.67	162.4	<5.00 U	<0.20 U	203,000	<1.00 U	0.71	<1.00 U	754	0.89 J	38,600	544.2	<0.20 U	3.51	51,800	<5.00 U	<0.40 U	576,000	<1.00 U	<5.00 U	<10.00 U
MW-7	Baseline	MW-7		<180U	<12U	<8U	150	<4U	<4U	130,000	<50U	<20U	<50U	980	<4U	8500	950	<1U	110	15,000	<40U	<20U	380,000J	<10U	<50U	<50U
MW-7	5/14/2014	MW-7		68.3	0.75J	5.08	119.3	<0.5U	0.05J	118,000	23.34	1.28	1.31	13,400	2.24	8240	853.8	<0.2U	135.9	10,400	0.59J	0.13J	175,000	<0.5U	0.54J	6.31J
MW-7	6/4/2015	MW-7		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	5/26/2016	MW-7		4J	0.4J	1.2	80.8	<0.2U	<0.1U	126,000	3	1.6	<0.3U	652	<0.1U	7540	1038	<0.06U	158	10,200	<1U	<0.1U	185,000	<0.1U	<0.6U	<2.6U
MW-7	5/22/2017	MW-7		<3.27U	<0.42U	0.69	64.71	<0.1U	<0.05U	87,900	0.69J	1.85	<0.38U	172	<0.34U	9920	1130	<0.06U	142.7	9080	<1.73U	<0.16U	84,800	<0.14U	<1.57U	<3.41U
MW-7	5/30/2018	MW-7		4.06J	<4U	0.6	76.08	<0.5U	<0.2U	97,300	0.69J	2.6	0.77J	22.8J	<1U	15,900	1688	<0.2U	169.5	8570	<5U	<0.4U	63,400	<0.5U	<5U	<10U
MW-7	5/30/2019	MW-7		4.34J	0.87J	0.53	86.61	<0.1U	<0.05U	92,400	1.12	2.45	<0.38U	81.4	<0.34U	16,800	2298	<0.09U	196.3	8650	<1.73U	<0.16U	63,000	<0.14U	<1.57U	<3.41U
MW-7	7/20/2020	MW-7		11	<4U	0.68	70.83	<0.5U	<0.2U	81,600	1.85	1.55	<1U	120	<1U	13,200	1675	<0.2U	142.3	8930	<5U	<0.4U	59,400	<0.5U	<5U	<10U
MW-7	5/27/2021	MW-7		<10U	<4U	0.7	79.12	<0.5U	<0.2U	86,400	<1U	1.29	3.79	675	<1U	14,900	1835	<0.2U	111.1	9210	<5U	<0.4U	135,000	<0.5U	<5U	<10U
12574234-052522-DTS-002	5/25/2022	MW-7		4.40 J	<4.00 U	0.44 J	60.00	<0.50 U	<0.20 U	73,800	0.39 J	1.42	<1.00 U	54.5	<1.00 U	14,200	1,629	<0.20 U	113.5	8,180	<5.00 U	<0.40 U	63,000	<1.00 U	<5.00 U	<10.00 U
12574234-052522-DTS-003	5/25/2022	MW-7	DUP	15.6	<4.00 U	0.44 J	59.76	<0.50 U	<0.20 U	74,700	0.53 J	1.42	<1.00 U	78.8	<1.00 U	14,000	1,620	<0.20 U	114.0	8,080	<5.00 U	<0.40 U	63,200	<1.00 U	<5.00 U	<10.00 U
WG-12574234-DTS-051123-007	5/11/2023	MW-7		<10.0 U	<4.00 U	0.36 J	48.76	<0.50 U	<0.20 U	60,400	0.61 J	1.56	0.47 J	<50.0 U	<1.00 U	11,600	1,368	<0.20 U	103.0	6,010	<5.00 U	<0.40 U	41,000	0.23 J	<5.00 U	<10.00 U
WG-12574234-052324-BP-007	5/23/2024	MW-7		30.5	<4.00 U	1.14	63.18	<0.50 U	<0.20 U	72,700	4.19	2.22	<1.00 U	1,630	0.45 J	19,900	1,412	<0.20 U	129.7	9,990	<5.00 U	<0.40 U	86,400	<1.00 U	<5.00 U	<10.00 U



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Brooklyn, NY
BCP Site #C224133

			Analyte	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Mercury, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total		
				Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
				TOGS 1.1.1		3	25	1000	3	5		50		200	300	25	35000	300	0.7	100		10	50	20000	0.5		2000	
Sample ID	Date Sampled	Well ID	Sample Type																									
MW-8	Baseline	MW-8		220	<12U	<8U	270	<4U	<4U	150,000	<50U	<20U	<50U	13,000	7.8	7700	780	<1U	<50U	18,000	<40U	<20U	420,000J	<10U	<50U	<50U		
MW-8	5/14/2014	MW-8		230	0.5J	0.39J	376.1	<0.5U	0.65	221,000	1.29	0.21	1.36J	25,800	2.72	10,000	1180	<0.2U	0.93	15,900	<5U	<0.4U	504,000	<0.5U	2.15J	6.77J		
MW-8	6/4/2015	MW-8		39	0.7J	0.7	464.6	<0.5U	<0.2U	280,000	2.4	0.2J	1.9J	29,700	0.9J	17,400	1368	<0.2U	1.9	22,600	<5U	<0.4U	519,000	<0.5U	<5U	30		
MW-8	5/26/2016	MW-8		2310	0.4J	0.8	707.2	<0.2U	1.1	302,000	7	1.5	<0.3U	54,300	11.7	17,300	1654	<0.06U	5.1	26,100	<1U	<0.1U	731,000	<0.1U	8.3	8.2J		
MW-8	5/22/2017	MW-8		9.3J	<0.42U	0.33J	1023	<0.1U	0.27	466,000	1.26	0.17J	0.5J	36,600	<1.71U	23,300	1559	<0.06U	1.98J	32,700	<1.73U	<0.16U	1,350,000	<0.71U	<1.57U	<3.41U		
MW-8	5/30/2018	MW-8		15.1	<4U	<0.5U	803.5	<0.5U	0.28	445,000	<1U	<0.5U	<1U	17,500	<1U	27,700	901.3	<0.2U	<2U	31,600	<5U	<0.4U	1,020,000	<0.5U	<5U	<10U		
MW-8	5/30/2019	MW-8		1090	<0.42U	3.26	815.1	<0.1U	4.72	280,000	5.17	1.21	10.64	117,000	15.6	19,100	577.7	<0.09U	3.13	24,400	<1.73U	<0.16U	568,000	<0.14U	7.25	60.33		
MW-8	7/20/2020	MW-8		533	<4U	0.56	479.4	<0.5U	0.27	256,000	1.96	<0.5U	2.1	18,600	2.78	16,800	627.7	<0.2U	4.31	25,100	<5U	<0.4U	673,000	<0.5U	<5U	<10U		
MW-8	5/27/2021	MW-8		15	<4U	<0.5U	383.9	<0.5U	<0.2U	202,000	<1U	<0.5U	<1U	12,000	<1U	14,600	505.4	<0.2U	<2U	21,700	<5U	<0.4U	663,000	<0.5U	<5U	<10U		
12574234-052522-DTS-001	5/25/2022	MW-8		104	<4.00 U	0.32 J	335.5	<0.50 U	0.27	203,000	0.94 J	0.17 J	0.78 J	8,900	0.75 J	14,100	372.0	0.11 J	1.68 J	19,800	<5.00 U	<0.40 U	587,000	0.24 J	<5.00 U	12.36		
WG-12574234-051123-BP-008	5/11/2023	MW-8		18.5	<4.00 U	0.30 J	289.8	<0.50 U	0.38	154,000	0.18 J	<0.50 U	0.53 J	5,130	0.39 J	9,230	203.0	<0.20 U	1.36 J	14,900	<5.00 U	<0.40 U	521,000	<1.00 U	<5.00 U	<10.00 U		
WG-12574234-052324-BP-008	5/23/2024	MW-8		1,460	0.71 J	1.64	331.9	<0.50 U	1.93	185,000	6.08	1.14	21.88	39,500	24.28	16,200	350.3	<0.20 U	6.91	20,500	<5.00 U	7.20	308,000	<1.00 U	3.42 J	72.91		

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J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

			Analyte	Aluminum, Dissolved (Filtered)	Antimony, Dissolved (Filtered)	Arsenic, Dissolved (Filtered)	Barium, Dissolved (Filtered)	Beryllium, Dissolved (Filtered)	Cadmium, Dissolved (Filtered)	Calcium, Dissolved (Filtered)	Chromium, Dissolved (Filtered)	Cobalt, Dissolved (Filtered)	Copper, Dissolved (Filtered)	Iron, Dissolved (Filtered)	Lead, Dissolved (Filtered)	Magnesium, Dissolved (Filtered)	Manganese, Dissolved (Filtered)	Mercury, Dissolved (Filtered)	Nickel, Dissolved (Filtered)	Potassium, Dissolved (Filtered)	Selenium, Dissolved (Filtered)	Silver, Dissolved (Filtered)	Sodium, Dissolved (Filtered)	Thallium, Dissolved (Filtered)	Vanadium, Dissolved (Filtered)	Zinc, Dissolved (Filtered)
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1		3	25	1000	3	5		50		200	300	25	35000	300	0.7	100		10	50	20000	0.5		2000
Sample ID	Date Sampled	Well ID	Sample Type																							
MW-8	Baseline	MW-8		<180U	<12U	<8U	200	<4U	<4U	160,000	<50U	<20U	<50U	1200	<4U	8200	810	<1U	<50U	19,000	<40U	<20U	450,000J	<10U	<50U	<50U
MW-8	5/14/2014	MW-8		3.95J	0.19J	0.89	366.9	<0.5U	<0.2U	217,000	1.56	0.33J	0.68J	19,400	<1U	11,600	971.8	<0.2U	3.29	17,800	1.08J	<0.4U	500,000	<0.5U	0.48J	3.82J
MW-8	6/4/2015	MW-8		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	5/26/2016	MW-8		3J	0.6J	<0.1U	658.2	<0.2U	<0.1U	358,000	1.6J	<0.1U	<0.3U	26,500	<0.1U	17,900	1939	<0.06U	5	25,500	<1U	<0.1U	866,000	<0.1U	<0.6U	<2.6U
MW-8	5/22/2017	MW-8		<16.4U	<2.14U	<0.82U	910.4	<0.53U	<0.29U	455,000	<0.89U	<0.81U	<1.92U	19,200	<1.71U	24,300	1551	<0.06U	<2.78U	33,600	<8.65U	<0.81U	1,320,000	<0.71U	<7.85U	<17.05U
MW-8	5/30/2018	MW-8		4.28J	<4U	<0.5U	694.3	<0.5U	0.09J	419,000	<1U	<0.5U	1.1	43J	<1U	24,900	744.6	<0.2U	1.44J	29,500	<5U	<0.4U	1,060,000	<0.5U	<5U	3.79J
MW-8	5/30/2019	MW-8		<3.27U	0.79J	<0.16U	359	<0.1U	0.97	243,000	<0.17U	0.29J	0.4J	101	<0.34U	18,000	361.7	<0.09U	1J	21,200	<1.73U	<0.16U	558,000	<0.14U	<1.57U	15.21
MW-8	7/20/2020	MW-8		17.9	<4U	<0.5U	383.3	<0.5U	<0.2U	243,000	<1U	<0.5U	1.52	55.3	<1U	16,300	522.6	<0.2U	<2U	23,300	<5U	<0.4U	666,000	<0.5U	<5U	<10U
MW-8	5/27/2021	MW-8		<10U	<4U	<0.5U	334	<0.5U	<0.2U	199,000	<1U	<0.5U	<1U	3930	<1U	13,800	582.4	<0.2U	<2U	22,000	<5U	<0.4U	684,000	<0.5U	<5U	<10U
12574234-052522-DTS-001	5/25/2022	MW-8		3.48 J	0.50 J	<0.50 U	304.9	<0.50 U	0.07 J	219,000	<1.00 U	<0.50 U	0.47 J	410	<1.00 U	14,500	351.9	<0.20 U	1.02 J	22,900	<5.00 U	<0.40 U	688,000	<1.00 U	<5.00 U	<10.00 U
WG-12574234-051123-BP-008	5/11/2023	MW-8		<10.0 U	<4.00 U	<0.50 U	231.0	<0.50 U	<0.20 U	164,000	<1.00 U	<0.50 U	0.51 J	164	<1.00 U	10,700	295.3	<0.20 U	1.18 J	17,900	<5.00 U	<0.40 U	510,000	<1.00 U	<5.00 U	<10.00 U
WG-12574234-052324-BP-008	5/23/2024	MW-8		12.8	<4.00 U	0.35 J	206.0	<5.00 U	0.18 J	173,000	<1.00 U	0.24 J	<1.00 U	553	<1.00 U	15,500	98.97	<0.20 U	3.81	19,900	<5.00 U	<0.40 U	326,000	<1.00 U	<5.00 U	6.73 J

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Table 3: Summary of Groundwater Sample Laboratory Analytical Results

			Analyte	Total Organic Halogen	Alkalinity, Total	Biological Oxygen Demand, Five day	Chemical Oxygen Demand	Chloride	Total Organic Carbon	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	PCBs, Total	
Units	ug/l	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
TOGS 1.1.1								250000												0.09
Sample ID	Date Sampled	Well ID	Sample Type																	
MW-1	Baseline	MW-1		-	347,000	10,600	690,000	-	5400	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U	
MW-1	5/14/2014	MW-1		<20U	400,000	<50,000U	1,300,000	600,000	10,600	<0.083U	<0.083U	<0.083U	<0.083U	0.768	0.416	<0.083U	<0.083U	<0.083U	1.18	
MW-1	6/4/2015	MW-1		<20U	766,000	<40,000U	2,800,000	540,000	7500	<0.083U	<0.083U	<0.083U	<0.083U	1.46	0.746	0.119	<0.083U	<0.083U	2.33	
MW-1	5/26/2016	MW-1		27.7	437,000	<10,000U	46,000	560,000	3500	<0.021U	<0.028U	<0.012U	<0.014U	0.286	0.137	<0.023U	-	-	0.423	
Duplicate	5/26/2016	MW-1	DUP	24.7	436,000	<10,000U	44,000	560,000	3400	<0.021U	<0.028U	<0.012U	<0.014U	0.41	0.238	<0.023U	-	-	0.648	
MW-1	5/22/2017	MW-1		54	398,000	5400	20,000	840,000	1700	<0.021U	<0.028U	<0.012U	0.043J	<0.014U	<0.022U	<0.023U	-	-	0.043	
Duplicate	5/22/2017	MW-1	DUP	61.1	403,000	<2,000U	27,000	840,000	1800	<0.021U	<0.028U	<0.012U	0.061	<0.014U	<0.022U	<0.023U	-	-	0.061	
MW-1	5/30/2018	MW-1		44.1	364,000	2800	47,000	727,000	4330	<0.0833U	<0.0833U	<0.0833U	<0.0833U	0.262	0.142	0.035J	-	-	0.439	
Duplicate	5/30/2018	MW-1	DUP	56.7	363,000	3300	24,000	737,000	4250	<0.0833U	<0.0833U	<0.0833U	<0.0833U	0.218	0.124	0.031J	-	-	0.373	
MW-1	5/30/2019	MW-1		28	352,000	2300	33,000	625,000	3060	<0.013U	<0.018U	<0.038U	<0.03U	0.085	0.038J	<0.029U	-	-	0.123J	
MW-1	7/20/2020	MW-1		51.4	<2,000U	5800	28,000	378,000	1900	<0.05U	<0.05U	<0.05U	<0.05U	0.161	0.082	<0.05U	-	-	0.243J	
MW-1	5/27/2021	MW-1		43.6	308	-	64,000	782,000	3,010	<0.05 U	<0.05 U	<0.05 U	<0.05 U	0.749	0.315	<0.05 U	-	-	1.064	
12574234-052622-BP-004	5/26/2022	MW-1		18.8	366,000	5,500	180,000	560,000	1,860	<0.050 U	<0.050 U	<0.050 U	0.137	<0.050 U	<0.050 U	<0.050 U	-	-	0.137	
WG-12574234-051123-BP-006	5/11/2023	MW-1		57.5	358,000	<2,000 U	7,900 J	415,000	2,330	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U	
WG-12574234-052324-BP-006	5/23/2024	MW-1		<100 U	362,000	<2,000 U	11,000	328,000	2,000	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U	
MW-2R	Baseline	MW-2R		-	308,000	<6,000U	32,900	-	2800	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U	
Duplicate	Baseline	MW-2R	DUP	-	-	-	-	-	-	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U	
MW-2R	5/14/2014	MW-2R		26.9	312,000	<10,000U	74,000	270,000	11,200	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	
MW-2R	6/4/2015	MW-2R		20.9	317,000	<5,000U	55,000	340,000	3200	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	
Duplicate	6/4/2015	MW-2R	DUP	22	315,000	<5,000U	80,000	350,000	3400	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	
MW-2R	5/26/2016	MW-2R		14.1J	271,000	<2,000U	22,000	340,000	2600	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	0.034J	<0.023U	-	-	0.034J	
MW-2R	5/22/2017	MW-2R		41.1	281,000	<2,000U	18,000	430,000	2300	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	<0.022U	<0.023U	-	-	<0.014	
MW-2R	5/30/2018	MW-2R		19.9J	298,000	<2,000U	6000J	376,000	3120	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	-	-	<0.0833U	
MW-2R	5/30/2019	MW-2R		30	295,000	<2,000U	21,000	472,000	11,600	<0.013U	<0.018U	<0.038U	<0.03U	<0.038U	<0.014U	<0.029U	-	-	<0.083U	
Duplicate	5/30/2019	MW-2R	DUP	29.1	300,000	3100	44,000	472,000	1790	<0.013U	<0.018U	<0.038U	<0.03U	<0.038U	<0.014U	<0.029U	-	-	<0.083U	
MW-2R	7/20/2020	MW-2R		49.5J	<2,000U	<2,000U	24,000	502,000	2200	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U	
Duplicate	7/20/2020	MW-2R	DUP	55.5J	<2,000U	3000	16,000	508,000	940	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U	
MW-2R	5/27/2021	MW-2R		33.3	283	-	15,000	451,000	2,390	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	-	-	<0.05 U	
Duplicate	5/27/2021	MW-2R	DUP	22	262	-	17,000	456,000	2,170	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	-	-	<0.05 U	
12574234-052622-BP-006	5/26/2022	MW-2R		29.6	278,000	2,400	3,700 J	380,000	1,500	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U	
WG-12574234-DTS-051123-004	5/11/2023	MW-2R		29.0	278,000	<2,000 U	3,200 J	296,000	2,000	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U	
WG-12574234-052224-BP-004	5/22/2024	MW-2R		<100 P1U	279,000	<2,000 U	21,000	320,000	1,310	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U	
MW-4	Baseline	MW-4		-	446,000	11,700	1,170,000	-	26,900	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U	
MW-4	5/14/2014	MW-4		47.4	186,000	<5,000U	150,000	460,000	52,100	<0.083U	<0.083U	<0.083U	<0.083U	0.11	<0.083U	<0.083U	<0.083U	<0.083U	0.11	
MW-4	6/4/2015	MW-4		50.5	83,400	<5,000U	110,000	560,000	25,000	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	
MW-4	5/26/2016	MW-4		36.9	96,800	4300	99,000	620,000	25,000	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	<0.022U	<0.023U	-	-	<0.012U	
MW-4	5/22/2017	MW-4		42	484,000	<5,000U	82,000	640,000	17,000	<0.021U	<0.028U	<0.012U	0.045J	<0.014U	<0.022U	<0.023U	-	-	0.045	
MW-4	5/30/2018	MW-4		19.6J	586,000	<5,000U	100,000	879,000	17,000	<0.0833U	<0.0833U	<0.0833U	<0.0833U	0.158	0.114	0.044J	-	-	0.316	
MW-4	5/30/2019	MW-4		27	625,000	9200	73,000	840,000	15,100	<0.013U	<0.018U	<0.038U	<0.03U	<0.038U	<0.014U	<0.029U	-	-	<0.083U	
MW-4	7/20/2020	MW-4		70.7J	<2,000U	8400	330,000	775,000	4800	<0.05U	<0.05U	<0.05U	<0.05U	0.128	0.083	<0.05U	-	-	0.211U	
MW-4	5/27/2021	MW-4		33.3	557	-	66,000	779,000	13,900	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	-	-	<0.05 U	
12574234-052622-DTS-007	5/26/2022	MW-4		43.0	566,000	10,000	56,000	920,000	12,900	<0.050 U	<0.050 U	<0.050 U	0.142	<0.050 U	0.106	<0.050 U	-	-	0.248	
WG-12574234-DTS-051123-001	5/11/2023	MW-4		96.5	557,000	2,600	48,000	1,010,000	14,300	<0.050 U	<0.050 U	<0.050 U	0.027 J	<0.050 U	0.021 J	<0.050 U	-	-	0.048 J	
WG-12574234-DTS-051123-002	5/11/2023	MW-4	DUP	71.9	549,000	3,600	41,000	1,010,000	13,300	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U	
WG-12574234-052224-BP-001	5/22/2024	MW-4		50.3 J	652,000	11,000	63,000	1,000,000	13,200	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050						



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

			Analyte	Total Organic Halogen	Alkalinity, Total	Biological Oxygen Demand, Five day	Chemical Oxygen Demand	Chloride	Total Organic Carbon	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	PCBs, Total
			Units	ug/l	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1					250000											0.09
Sample ID	Date Sampled	Well ID	Sample Type																
MW-5	Baseline	MW-5		-	637,000	21,000	324,000	-	18,800	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-5	5/14/2014	MW-5		66.5	387,000	13,000	220,000	1,400,000	23,200	<0.083U	<0.083U	<0.083U	<0.083U	0.195	0.17	0.084	<0.083U	<0.083U	0.449
Duplicate	5/14/2014	MW-5	DUP	46.1	391,000	23,000	230,000	1,300,000	22,700	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
MW-5	6/4/2015	MW-5		41.4	455,000	7400	260,000	1,900,000	13,000	<0.083U	<0.083U	<0.083U	<0.083U	0.216	0.153	0.103	<0.083U	<0.083U	0.472
MW-5	5/26/2016	MW-5		72.2	370,000	<40,000U	150,000	4,600,000	6200	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	<0.022U	<0.023U	-	-	<0.012U
MW-5	5/22/2017	MW-5		81.1	377,000	<2,000U	73,000	3,100,000	9000	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	<0.022U	<0.023U	-	-	<0.014
MW-5	5/30/2018	MW-5		80.3	421,000	<5,000U	51,000	3,400,000	13,900	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	-	-	<0.0833U
MW-5	5/30/2019	MW-5		52.4	376,000	11,000	280,000	3,940,000	2060	<0.013U	<0.018U	<0.038U	0.12	<0.038U	0.091	0.096	-	-	0.307J
MW-5	7/20/2020	MW-5		101J	<2,000U	<5,000U	120,000	3,170,000	5100	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-5	5/27/2021	MW-5		29.2	437	-	150,000	2,030,000	10,700	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	-	-	<0.05 U
12574234-052622-DTS-005	5/26/2022	MW-5		97.2	406,000	3,200	88,000	3,800,000	2,950	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U
WG-12574234-051123-BP-003	5/11/2023	MW-5		81.5	367,000	<2,000 U	73,000	3,920,000	10,700	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U
WG-12574234-052224-BP-005	5/22/2024	MW-5		48.8 J	484,000	<2,000 U	56,000	2,440,000	7,780	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U
MW-6	Baseline	MW-6		-	530,000	12,300	994,000	-	24,000	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-6	5/14/2014	MW-6		47.4	560,000	26,000	320,000	620,000	35,100	<0.083U	<0.083U	<0.083U	0.279	<0.083U	0.187	<0.083U	<0.083U	<0.083U	0.466
MW-6	6/4/2015	MW-6		35.7	807,000	48,000	180,000	660,000	21,000	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
MW-6	5/26/2016	MW-6		30.5	718,000	29,000	580,000	780,000	22,000	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	0.022J	<0.023U	-	-	0.022J
MW-6	5/22/2017	MW-6		50.8	492,000	15,000	71,000	980,000	16,000	<0.021U	<0.028U	<0.012U	0.026J	<0.014U	<0.022U	<0.023U	-	-	0.026
MW-6	5/30/2018	MW-6		50.7	569,000	<10,000U	95,000	1,170,000	15,800	<0.0833U	<0.0833U	<0.0833U	<0.0833U	0.075J	0.058J	0.036J	-	-	0.169J
MW-6	5/30/2019	MW-6		32.6	534,000	11,000	73,000	1,080,000	15,600	<0.013U	<0.018U	<0.038U	0.103	<0.038U	0.044J	<0.029U	-	-	0.147J
MW-6	7/20/2020	MW-6		51.3J	<2,000U	<10,000U	690,000	778,000	3600	<0.05U	<0.05U	<0.05U	<0.05U	0.525	0.367	0.128	-	-	1.02
MW-6	5/27/2021	MW-6		45.5	509	-	61,000	751,000	14,300	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	-	-	<0.05 U
12574234-052622-BP-008	5/26/2022	MW-6		49.9	529,000	7,700	63,000	6,800	14,100	<0.050 U	<0.050 U	<0.050 U	0.023 J	<0.050 U	<0.050 U	<0.050 U	-	-	0.023 J
WG-12574234-051123-BP-005	5/11/2023	MW-6		57.8	522,000	9,100	64,000	1,030,000	16,200	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U
WG-12574234-052224-BP-002	5/22/2024	MW-6		67.1 J P1	549,000	11,000	70,000	987,000	17,700	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U
WG-12574234-052224-BP-003	5/22/2024	MW-6	DUP	42.8 J P1	544,000	9,900	67,000	993,000	16,800	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U
MW-7	Baseline	MW-7		-	291,000	10,300	199,000	-	5200	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-7	5/14/2014	MW-7		50.4	330,000	14,000	35,000	250,000	6440	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
MW-7	6/4/2015	MW-7		27.9	323,000	3300	19,000J	240,000	3900	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
MW-7	5/26/2016	MW-7		26.3	319,000	<2,000U	37,000	170,000	4000	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	<0.022U	<0.023U	-	-	<0.012U
MW-7	5/22/2017	MW-7		63.6	265,000	<2,000U	4100J	91,000	2700	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	<0.022U	<0.023U	-	-	<0.014
MW-7	5/30/2018	MW-7		74.8	238,000	<2,000U	<10,000U	108,000	3940	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	-	-	<0.0833U
MW-7	5/30/2019	MW-7		61.9	259,000	13,000	280,000	120,000	2770	<0.013U	<0.018U	<0.038U	<0.03U	<0.038U	<0.014U	<0.029U	-	-	<0.083U
MW-7	7/20/2020	MW-7		28.1J	<2,000U	<2,000U	26,000	81,600	2200	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-7	5/27/2021	MW-7		39.6	233	-	<10,000 U	164,000	2,270	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	-	-	<0.05 U
12574234-052522-DTS-002	5/25/2022	MW-7		22.9	223,000	<2,000 U	6,000 J	54,000	2,150	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U
12574234-052522-DTS-003	5/25/2022	MW-7	DUP	22.3	227,000	<2,000 U	3,700 J	71,000	2,180	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U
WG-12574234-DTS-051123-007	5/11/2023	MW-7		46.3	221,000	<2,000 U	12,000	61,600	2,130	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U
WG-12574234-052324-BP-007	5/23/2024	MW-7		50.7 J P1	232,000	<2,000 U	18,000	40,300	2,560	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

			Analyte	Total Organic Halogen	Alkalinity, Total	Biological Oxygen Demand, Five day	Chemical Oxygen Demand	Chloride	Total Organic Carbon	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	PCBs, Total
			Units	ug/l	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1					250000											0.09
Sample ID	Date Sampled	Well ID	Sample Type																
MW-8	Baseline	MW-8		-	613,000	<6,000U	359,000	-	5500	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-8	5/14/2014	MW-8		40.5	575,000	3400	49,000	740,000	7620	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
MW-8	6/4/2015	MW-8		62.1	564,000	<2,000U	42,000	940,000	2200	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
MW-8	5/26/2016	MW-8		11.9J	521,000	<2,000U	56,000	1,400,000	1600	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	<0.022U	<0.023U	-	-	<0.012U
MW-8	5/22/2017	MW-8		40.8	505,000	2800	55,000	2,300,000	1000	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	<0.022U	<0.023U	-	-	<0.014
MW-8	5/30/2018	MW-8		46.2	453,000	<2,000U	29,000	2,240,000	3690J	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	-	-	<0.0833U
MW-8	5/30/2019	MW-8		111	429,000	<2,000U	35,000	1,040,000	1550	<0.02U	<0.028U	<0.058U	<0.045U	<0.057U	<0.021U	<0.043U	-	-	<0.083U
MW-8	7/20/2020	MW-8		51J	<2,000U	<2,000U	22,000	1,230,000	<2,000U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-8	5/27/2021	MW-8		55.6	536	-	59,000	1,030,000	2,110	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	-	-	<0.05 U
12574234-052522-DTS-001	5/25/2022	MW-8		19.5	489,000	<2,000 U	13,000	880,000	1,370	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U
WG-12574234-051123-BP-008	5/11/2023	MW-8		38.2	462,000	<2,000 U	<10,000 U	770,000	1,080	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U
WG-12574234-052324-BP-008	5/23/2024	MW-8		67.5 J	485,000	<2,000 U	42,000	458,000	1,160	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).
#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

<### U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Appendices

Appendix A

Annual Site-Wide Inspection Form

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITENUMBER C224133

NAME OF INSPECTOR: Ian McNamara

COMPANY OF INSPECTOR: GHD

DATE OF INSPECTION: 11-20-2024

CURRENT USE OF THE SITE: Parking area for adjacent warehouse and distribution center

HAS A CHANGE OF LAND-USE OCCURRED SINCE THE LAST INSPECTION?

☐

YES

☒

NO

IF YES, EXPLAIN HOW THE SITE HAS CHANGED: _____

IS THERE EVIDENCE OF LAND-USE OTHER THAN FOR INDUSTRIAL SINCE THE LAST INSPECTION?

☐

YES

☒

NO

IF YES, EXPLAIN THE NON-INDUSTRIAL LAND USE: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION?

☐

YES

☒

NO

IF YES, EXPLAIN HOW THE SITE HAS CHANGED: _____

GENERAL DESCRIPTION OF THE COVER: _____

Asphalt pavement is in good repair with historical surface cracks sealed. Some very minor surface cracks observed.

Minimal grass cover areas on southern and eastern edges of site maintained and in reasonable condition.

Lots of windblown refuse around site and miscellaneous storage.

HAS THE COVER BEEN COMPROMISED? ☐ YES ☒ NO

IF YES, EXPLAIN HOW THE COVER HAS CHANGED: _____

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITENUMBER C224133

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?

____ YES x ____ NO

IF YES, EXPLAIN HOW THE SITE COVER CONDITIONS CHANGED: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?

☐ YES ☒ NO

IF YES, EXPLAIN WHAT MAINTAINENCE IS REQUIRED: _____

Would be good to clean up windblown refuse as a best management practice

ARE SIGNIFICANT EROSION RILLS OR CRACKING PRESENT?

☐ YES ☒ NO

IF YES, EXPLAIN WHERE EROSION RILLS OR CRACKING ARE PRESENT: _____

IS PONDING PRESENT?

☐ YES ☒ NO

IF YES, EXPLAIN WHERE PONDING IS PRESENT AND THE ASSOCIATED DEPTH: _____

IS ANY SOIL WASTE MATERIAL EXPOSED?

☐ YES ☒ NO

IF YES, EXPLAIN WHERE SOIL WASTE MATERIAL ARE EXPOSED: _____

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITENUMBER C224133

IS THERE A VISABLE CHANGE IN THE DESIGNATED DRAINAGE PATTERN?

____ YES x ____ NO

IF YES, EXPLAIN WHERE THE VISABLE CHANGE IN THE DESIGNATED DRAINAGE PATTERN ARE LOCATED: _____

IS SETTLEMENT OR SUBSIDNCE VISIBLE?

☐ YES ☒ NO

IF YES, EXPLAIN WHERE SETTLEMENT OR SUBSIDNCE VISIBLE IS LOCATED:

ARE SIGNIFICANT EROSION RILLS OR CRACKING PRESENT?

☐ YES ☒ NO

IF YES, EXPLAIN WHERE EROSION RILLS OR CRACKING ARE PRESENT: _____

ARE ALL GROUNDWATER MONITORING WELLS MAINTAINED PROPERLY
AND IN GOOD PHYSICAL CONDITION?

☒ YES ☐ NO

IF NO, EXPLAIN HOW THE GROUNDWATER MONITORING WELLS HAVE BEEN
COMPROMISED:

Well installed by USEPA still present on-Site.

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITENUMBER C224133

IS THERE ANY EVIDENCE THAT GROUNDWATER IS BEING USED FOR ANY
PURPOSE?

☐

YES

☒

NO

IF YES, EXPLAIN HOW GROUNDWATER IS BEING USED:

ADDITIONAL OBSERVATIONS, CONCLUSIONS, OR RECOMMENDATIONS:

Sale of the property is being contemplated. As a component of the sale, there are on-going bulkhead assessments and discussions related to potential need for repairs. Difficult to assess bulkhead from land at time of Site inspection, but there were areas that appeared to be in disrepair.

ANY CHANGES TO THE SITE OR REQUIRED MAINTENANCE SHOULD BE MARKED
IN THE CORRESPONDING LOCATIONS ON AN ATTACHED MAP

Appendix B

NYSDEC EQuIS Approval

Sarah King

From: Joe Mizera
Sent: Tuesday, December 10, 2024 4:53 PM
To: Sarah King
Subject: FW: Successfully loaded EDD (20241210 1538.C224133.NYSDEC_v5_MERGE.zip)
Attachments: 20241210 1538.C224133.NYSDEC_v5_MERGE.Commit.zip

DISABLEFILINGSTATUS: 0

-----Original Message-----

From: NYENVDATA@dec.ny.gov <NYENVDATA@dec.ny.gov>

Sent: Tuesday, December 10, 2024 3:52 PM

To: Joe Mizera <joe.mizera@ghd.com>

Subject: Successfully loaded EDD (20241210 1538.C224133.NYSDEC_v5_MERGE.zip)

Data from '20241210 1538.C224133.NYSDEC_v5_MERGE.zip' has been successfully loaded into the database.

Appendix C

**Notification of Change of Use and Post-
Transfer Notification**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**
Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. **Site Name:** FRITO-LAY (BROOKLYN, NEW YORK) **DEC Site ID No.** C224133

II. **Contact Information of Person Submitting Notification:**

Name: JAYE CARSON TRIMBLE
Address1: 2323 BRYAN STREET, SUITE 2200
Address2: DALLAS, TX 75201
Phone: 214-686-6157 E-mail: TRIMBLE@SBEP-LAW.COM

III. **Type of Change and Date:** Indicate the Type of Change(s) (check all that apply):

- ☒ Change in Ownership or Change in Remedial Party(ies)
☒ Transfer of Certificate of Completion (CoC)
☐ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 12/17/2024

IV. **Description:** Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

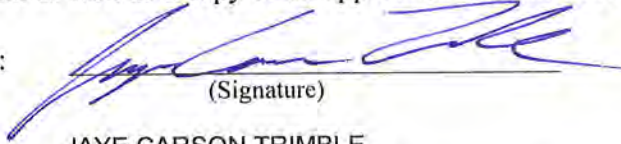
ENTIRETY OF SITE IS BEING CONVEYED TO NEW OWNER

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

- V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name:



(Signature)

10/18/2024

(Date)

JAYE CARSON TRIMBLE

(Print Name)

Address1: 2323 BRYAN STREET, SUITE 2200

Address2: DALLAS, TX 75201

Phone: 214-686-6157

E-mail: TRIMBLE@SBEP-LAW.COM

- VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☒ Prospective Owner ☒ Prospective Remedial Party ☐ Prospective Owner Representative

Name: BRIDGE LOGISTICS PROPERTIES (ATTN: MAC LEE)

Address1: 1 MEADOWLANDS PLAZA, SUITE 201

Address2: EAST RUTHERFORD, NJ 07073

Phone: 484-888-3103

E-mail: MAC.LEE@BRIDGEBLP.COM

Certifying Party Name: BRIDGE LOGISTICS PROPERTIES (ATTN: MAC LEE)

Address1: 1 MEADOWLANDS PLAZA, SUITE 201

Address2: EAST RUTHERFORD, NJ 07073

Phone: 484-888-3103

E-mail: MAC.LEE@BRIDGEBLP.COM

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name:


(Signature)

10/18/2024

(Date)

JAYE CARSON TRIMBLE

(Print Name)

Address1: 2323 BRYAN STREET, SUITE 2200

Address2: DALLAS, TX 75201

Phone: 214-686-6157

E-mail: TRIMBLE@SBEP-LAW.COM

STUTZMAN, BROMBERG, ESSERMAN & PLIFKA

A PROFESSIONAL CORPORATION
ATTORNEYS AND COUNSELORS
2323 BRYAN STREET
SUITE 2200
DALLAS, TEXAS 75201-2689

TELEPHONE: (214) 969-4900
FACSIMILE: (214) 969-4999
E-MAIL: trimble@sbep-law.com

J. CARSON TRIMBLE

POST-TRANSFER NOTIFICATION

January 8, 2024

VIA EMAIL:

DERSiteControl@dec.ny.gov

VIA EMAIL:

douglas.macneal@dec.ny.gov

Re: Frito Lay, Site ID No. C224133
202-218 Morgan Avenue, Brooklyn, NY

Ladies and Gentlemen:

On December 17, 2024, **ROLLING FRITO-LAY SALES, LP** conveyed title to the captioned site and the associated Certificate of Completion to **BLUSV II NY 222 MORGAN AVE LP** by Indenture filed in the Kings County Clerk's Office on December 26, 2024 as File Number 2024000335068 (attached hereto as Exhibit A) and Notice of Transfer of Certificate of Completion filed in the Kings County Clerk's Office on December 26, 2024 as File Number 2024000335069 (attached hereto as Exhibit B).

The name, contact information and representative of the transferee is as follows:

BLUSV II NY 222 MORGAN AVE LP

(New Property Owner)

**1 Meadowlands Plaza, Suite 201
East Rutherford, NJ 07073**

(Address)

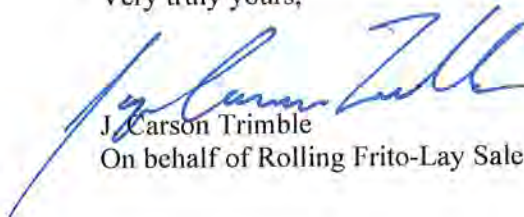
33-1741893

(Employer Identification Number)

The 60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership was transmitted via email on October 18, 2024 and is attached hereto as Exhibit C.

Should you have any questions please contact the undersigned at (214) 686-6157 or trimble@sbep-law.com.

Very truly yours,



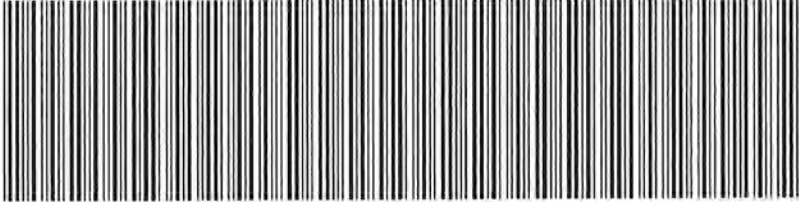
J. Carson Trimble

On behalf of Rolling Frito-Lay Sales, LP

EXHIBIT A

INDENTURE

[ATTACHED]

NYC DEPARTMENT OF FINANCE OFFICE OF THE CITY REGISTER This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument. The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.		 2024121900441001001E1A49																					
RECORDING AND ENDORSEMENT COVER PAGE PAGE 1 OF 6																							
Document ID: 2024121900441001 Document Type: DEED Document Page Count: 5		Document Date: 12-17-2024 Preparation Date: 12-19-2024																					
PRESENTER: STEWART TITLE INSURANCE COMPANY (PICK-UP) 140 EAST 45TH STREET - 33RD FLOOR NY12437 NEW YORK, NY 10017 646-559-7039 MARGUERITE.FRANCIS@STEWART.COM		RETURN TO: ATTN: JOANN JONES ESQ. / AUSTIN COHEN, ESQ. BAKER & HOSTETLER LLP 1170 PEACHTREE STREET NE, SUITE 2400 ATLANTA, GA 30309																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Borough</th> <th style="width: 10%;">Block</th> <th style="width: 10%;">Lot</th> <th style="width: 10%;">Unit</th> <th style="width: 55%;">Address</th> </tr> </thead> <tbody> <tr> <td>BROOKLYN</td> <td>2942</td> <td>1</td> <td>Entire Lot</td> <td>222 MORGAN AVENUE</td> </tr> <tr> <td colspan="5" style="text-align: center;"> Property Type: COMMERCIAL REAL ESTATE </td> </tr> </tbody> </table>				Borough	Block	Lot	Unit	Address	BROOKLYN	2942	1	Entire Lot	222 MORGAN AVENUE	Property Type: COMMERCIAL REAL ESTATE									
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CROSS REFERENCE DATA																							
CRFN _____ or DocumentID _____ or Year _____ Reel _____ Page _____ or File Number _____																							
PARTIES																							
GRANTOR/SELLER: ROLLING FRITO-LAY SALES, LP 7701 LEGACY DRIVE PLANO, TX 75024		GRANTEE/BUYER: BLUSV II NY 222 MORGAN AVE LP 1 MEADOWLANDS PLAZA, SUITE 201 EAST RUTHERFORD, NJ 07073																					
FEES AND TAXES																							
Mortgage : <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Mortgage Amount:</td> <td style="width: 40%; text-align: right;">\$ 0.00</td> </tr> <tr> <td>Taxable Mortgage Amount:</td> <td style="text-align: right;">\$ 0.00</td> </tr> <tr> <td>Exemption:</td> <td></td> </tr> </table>		Mortgage Amount:	\$ 0.00	Taxable Mortgage Amount:	\$ 0.00	Exemption:		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Filing Fee:</td> <td style="width: 40%; text-align: right;">\$ 250.00</td> </tr> <tr> <td>NYC Real Property Transfer Tax:</td> <td style="text-align: right;">\$ 2,762,812.50</td> </tr> <tr> <td>NYS Real Estate Transfer Tax:</td> <td style="text-align: right;">\$ 684,125.00</td> </tr> </table>		Filing Fee:	\$ 250.00	NYC Real Property Transfer Tax:	\$ 2,762,812.50	NYS Real Estate Transfer Tax:	\$ 684,125.00								
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Spec (Additional):	\$ 0.00																						
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①

2412437

⑤

THIS INDENTURE, made as of the 12th day of December 2024

BETWEEN

ROLLING FRITO-LAY SALES, LP, a Delaware limited partnership ("Seller"), having an office at 7701 Legacy Drive, Plano, TX 75024,

party of the first part, and

BLUSV II NY 222 MORGAN AVE LP, a Delaware limited partnership, having an office at 1 Meadowlands Plaza, Suite 201, East Rutherford, NJ 07073.

party of the second part,

WITNESSETH, that the party of the first part, in consideration of Ten Dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

ALL those certain lots, pieces or parcels of land, with the buildings and improvements thereon erected, situate, lying and being in the County of Kings, State of New York, as the same are more particularly described in Exhibit A attached hereto and made a part hereof, being the same land as that which is described in (a) that certain Indenture, dated as of November 7, 2003 and recorded January 21, 2004 in CRFN 2004000039475 and (b) that certain Indenture, dated as of April 28, 2006, and recorded May 12, 2006 in CRFN 2006000266592 each in the Office of the County Clerk of the County of Kings, New York (the "Land Records").

TOGETHER with all right, title, and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof,

TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises,

TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose. The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

This property is subject to an Environmental Easement recorded September 26, 2013 in CRFN 2013000399904 held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

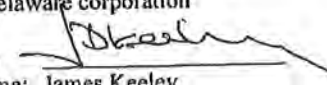
[SIGNATURE APPEARS ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the party of the first part has duly executed this bargain and sale deed the day and year first above written.

SELLER:

ROLLING FRITO-LAY SALES, LP,
a Delaware limited partnership

By: FRITO-LAY SALES, INC.,
a Delaware corporation

By: 
Name: James Keeley
Its: Authorized Signatory

STATE OF NEW YORK)
) SS.
COUNTY OF WESTCHESTER)

On the 11th day of December in the year 2024 before me, the undersigned, personally appeared James Keeley, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity as ~~Authorized Signatory for Frito-Lay Sales LP, a Delaware corporation or general partner for Rolling Frito-Lay Sales LP, a Delaware limited partnership~~ and that by his signature on the instrument, the individual, or the person upon behalf of which the individual(s) acted, executed the instrument. JK

[SEAL]

DEBORAH MILL
NOTARY PUBLIC - STATE OF NEW YORK
NO. 01M6144560
QUALIFIED IN DUTCHESS COUNTY
MY COMMISSION EXPIRES APRIL 24, 2026


Notary Public

My commission expires: 4.24.26

[DEED 2 OF 5]

Bargain and Sale Deed
Without Covenants Against Grantor's Acts

ROLLING FRITO-LAY SALES, LP

TO

BLUSV II NY 222 MORGAN AVE LP

BLOCK: 2942 ✓
LOT: 1
COUNTY OR TOWN: KINGS

RETURN BY MAIL TO:
Baker & Hostetler LLP
1170 Peachtree Street NE, Suite 2400
Atlanta, GA 30309
Attn: Joann Jones, Esq. and Austin Cohen, Esq

Reserve this space for use of Recording Office.

[DEED 3 OF 5]

EXHIBIT A
LEGAL DESCRIPTION

AS TO LOT 105:

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

Parcel A (TAX LOT 112):

BEGINNING at a point of the easterly side of Morgan Avenue where the same is intersected by the formerly center line of Meadow Street as it was laid out on the Commissioners Map of the City of Brooklyn prior to July 20, 1983;

RUNNING THENCE northerly along the easterly side of Morgan Avenue, 157 feet 6 inches;

THENCE easterly parallel with or nearly so with Ten Eyck Street as laid out on the Commissioners Map of the City of Brooklyn 214 feet;

THENCE southerly parallel or nearly so with the easterly side of Morgan Avenue 157 feet 6 inches to the center line of the said former Meadow Street; and

THENCE westerly along the center line of said former Meadow Street 214 feet to the point or place of BEGINNING.

Parcel B (TAX LOTS 105 & 111):

BEGINNING at a point on the easterly side of Morgan Avenue located 230 feet southerly from the corner formed by the intersection of the easterly side of Morgan Avenue with the southerly side of Ten Eyck Street;

RUNNING THENCE easterly and parallel with Ten Eyck Street 214 feet;

THENCE northerly and parallel with Morgan Avenue 157 feet and 6 inches;

THENCE easterly and parallel with Ten Eyck Street, 275 feet to the canal on Newton Creek;

THENCE southerly along said canal 287 feet 6 inches;

THENCE westerly and parallel with Ten Eyck Street 489 feet to the easterly side of Morgan Avenue;

THENCE northerly along said Morgan Avenue 130 feet to the point or place of BEGINNING.

AS TO LOT 1:

ALL that certain tract or parcel of land situate in the Borough of Brooklyn, County of Kings, State of New York, as shown on a certain plan entitled 'ALTA/ACSM Land Title Survey, Lot 1, Block 2942', prepared by Pennoni Associates Inc., dated August 16, 2003, Project Number URSG 0301, Drawing #S0301, and being more particularly described as follows:

BEGINNING at a point on the easterly side of Morgan Avenue, 60 feet wide, a distance of 322.50 feet southerly from the corner formed by the intersection of the southerly side of Grand Street with the easterly side of Morgan Avenue; and

[DEED 4 OF 5]

- (1) RUNNING THENCE leaving said easterly line of Morgan Avenue running through a party wall common to Lot 5, North 72 degrees 28 minutes 00 seconds East a distance of 200.00 feet to a point.
- (2) THENCE along a line common to Lot 5, North 17 degrees 32 minutes 00 seconds West a distance of 122.50 feet to a point;
- (3) THENCE along a line common to Lots 33 and 44, North 72 degrees 28 minutes 00 seconds East, a distance of 204.96 feet to a point;
- (4) THENCE along a line common to Lot 44, South 03 degrees 11 minutes 05 seconds East, a distance of 13.60 feet to a point;
- (5) THENCE along a line common to Lots 44 and 48, North 72 degrees 28 minutes 00 seconds East, a distance of 159.54 feet to a point;
- (6) THENCE along a line common to Lot 49, South 17 degrees 32 minutes 00 seconds East, a distance of 6.54 feet to a point;
- (7) THENCE along a line common to Lot 49, North 23 degrees 30 minutes 39 seconds East, a distance of 83.08 feet to a point;
- (8) THENCE along a line common to Lot 49, South 86 degrees 32 minutes 22 seconds East, a distance of 252.46 feet to a point; on the United States pierhead and bulkhead line along English Kills;
- (9) THENCE along said United States pierhead and bulkhead line, South 27 degrees 28 minutes 00 seconds West, a distance of 17.67 feet to a point;
- (10) THENCE continuing along said United States pierhead and bulkhead line, South 72 degrees 28 minutes 00 seconds West, a distance of 349.89 feet to a point;
- (11) THENCE continuing along said United States pierhead and bulkhead line, South 17 degrees 32 minutes 00 seconds East, a distance of 322.50 feet to a point;
- (12) THENCE leaving said United States pierhead and bulkhead line and along a line common to Lot 105 and 112, South 72 degrees 28 minutes 00 seconds West, a distance of 489.00 feet to a point on the easterly side of Morgan Avenue.
- (13) THENCE along the easterly side of Morgan Avenue, North 17 degrees 32 minutes 00 seconds West, a distance of 260.00 feet to a point and place of BEGINNING.

[DEED 5 OF 5]

NYC DEPARTMENT OF FINANCE OFFICE OF THE CITY REGISTER	 2024121900441001001SD4C8						
SUPPORTING DOCUMENT COVER PAGE PAGE 1 OF 1							
Document ID: 2024121900441001 Document Type: DEED Document Date: 12-17-2024 Preparation Date: 12-19-2024							
ASSOCIATED TAX FORM ID: 2024121300334							
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 80%;">SUPPORTING DOCUMENTS SUBMITTED:</th> <th style="text-align: right; width: 20%;">Page Count</th> </tr> </thead> <tbody> <tr> <td>DEP CUSTOMER REGISTRATION FORM FOR WATER AND SEWER BILLING</td> <td style="text-align: right;">1</td> </tr> <tr> <td>RP - 5217 REAL PROPERTY TRANSFER REPORT</td> <td style="text-align: right;">3</td> </tr> </tbody> </table>		SUPPORTING DOCUMENTS SUBMITTED:	Page Count	DEP CUSTOMER REGISTRATION FORM FOR WATER AND SEWER BILLING	1	RP - 5217 REAL PROPERTY TRANSFER REPORT	3
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DEP CUSTOMER REGISTRATION FORM FOR WATER AND SEWER BILLING	1						
RP - 5217 REAL PROPERTY TRANSFER REPORT	3						

FOR CITY USE ONLY		REAL PROPERTY TRANSFER REPORT	
C1. County Code	C2. Date Deed Recorded	 STATE OF NEW YORK STATE BOARD OF REAL PROPERTY SERVICES RP - 5217NYC	
C3. Book OR C5. CRFN	C4. Page		

PROPERTY INFORMATION			
1. Property Location	222	MORGAN AVENUE	BROOKLYN
2. Buyer Name	BLUSV II NY 222 MORGAN AVE LP		
3. Tax Billing Address	Indicate where future Tax Bills are to be sent. If other than buyer address (at bottom of form)		
4. Indicate the number of Assessment Roll parcels transferred on the deed	1	# of Parcels OR	☐ Part of a Parcel
5. Deed Property Size	FRONT FEET	X	DEPTH OR ACRES
6. Seller Name	ROLLING FRITO-LAY SALES, LP		
9. Check the box below which most accurately describes the use of the property at the time of sale:	A ☐ One Family Residential B ☐ 2 or 3 Family Residential C ☐ Residential Vacant Land D ☐ Non-Residential Vacant Land E ☒ Commercial F ☐ Apartment G ☐ Entertainment / Amusement H ☐ Community Service I ☐ Industrial J ☐ Public Service		

SALE INFORMATION		14. Check one or more of these conditions as applicable to transfer:
10. Sale Contract Date	10 / 21 / 2024	A ☐ Sale Between Relatives or Former Relatives
11. Date of Sale / Transfer	12 / 17 / 2024	B ☐ Sale Between Related Companies or Partners in Business
12. Full Sale Price \$	1,052,500.00	C ☐ One of the Buyers is also a Seller
(Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) Please round to the nearest whole dollar amount.		D ☐ Buyer or Seller is Government Agency or Lending Institution
13. Indicate the value of personal property included in the sale		E ☐ Deed Type not Warranty or Bargain and Sale (Specify Below)
		F ☐ Sale of Fractional or Less than Fee Interest (Specify Below)
		G ☐ Significant Change in Property Between Taxable Status and Sale Dates
		H ☐ Sale of Business is Included in Sale Price
		I ☐ Other Unusual Factors Affecting Sale Price (Specify Below)
		J ☒ None

ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill	
15. Building Class	F 4
16. Total Assessed Value (of all parcels in transfer)	262,530.00
17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet with additional identifier(s))	BROOKLYN 2942 1

202412130033420101

CERTIFICATION				I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.			
BUYER				BUYER'S ATTORNEY			
BUYER SIGNATURE		DATE		LAST NAME		FIRST NAME	
1 MEADOWLANDS PLAZA, SUITE 201							
STREET NUMBER		STREET NAME (AFTER SALE)		AREA CODE		TELEPHONE NUMBER	
EAST RUTHERFORD							
CITY OR TOWN		STATE		ZIP CODE		DATE	
		NJ		07073		12/17/24	
				SELLER			
				J. Carson Tumble, A.S.			

2024121300334201

CERTIFICATION				I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.	
BUYER			BUYER'S ATTORNEY		
BUYER SIGNATURE <i>[Signature]</i>		DATE 12/16/2024	LAST NAME		FIRST NAME
1 MEADOWLANDS PLAZA, SUITE 201 JONATHAN SLATER MANAGER					
STREET NUMBER	STREET NAME (AFTER SALE)		AREA CODE	TELEPHONE NUMBER	
EAST RUTHERFORD			SELLER		
	NJ	07073			
CITY OR TOWN	STATE	ZIP CODE	SELLER SIGNATURE		DATE

2024121300334201



The City of New York
Department of Environmental Protection
Bureau of Customer Services
59-17 Junction Boulevard
Flushing, NY 11373-5108

Customer Registration Form for Water and Sewer Billing

Property and Owner Information:

- (1) Property receiving service: BOROUGH: BROOKLYN BLOCK: 2942 LOT: 1
- (2) Property Address: 222 MORGAN AVENUE, BROOKLYN, NY 11237
- (3) Owner's Name: BLUSV II NY 222 MORGAN AVE LP
- Additional Name: _____

Affirmation:



Your water & sewer bills will be sent to the property address shown above.

Customer Billing Information:

Please Note:

- A. Water and sewer charges are the legal responsibility of the owner of a property receiving water and/or sewer service. The owner's responsibility to pay such charges is not affected by any lease, license or other arrangement, or any assignment of responsibility for payment of such charges. Water and sewer charges constitute a lien on the property until paid. In addition to legal action against the owner, a failure to pay such charges when due may result in foreclosure of the lien by the City of New York, the property being placed in a lien sale by the City or Service Termination.
- B. Original bills for water and/or sewer service will be mailed to the owner, **at the property address or to an alternate mailing address**. DEP will provide a duplicate copy of bills to one other party (such as a managing agent), however, any failure or delay by DEP in providing duplicate copies of bills shall in no way relieve the owner from his/her liability to pay all outstanding water and sewer charges. Contact DEP at (718) 595-7000 during business hours or visit www.nyc.gov/dep to provide us with the other party's information.

Owner's Approval:

The undersigned certifies that he/she/it is the owner of the property receiving service referenced above; that he/she/it has read and understands Paragraphs A & B under the section captioned "Customer Billing Information"; and that the information supplied by the undersigned on this form is true and complete to the best of his/her/its knowledge.

Print Name of Owner: _____

Signature: _____

Date (mm/dd/yyyy)

12/16/2024

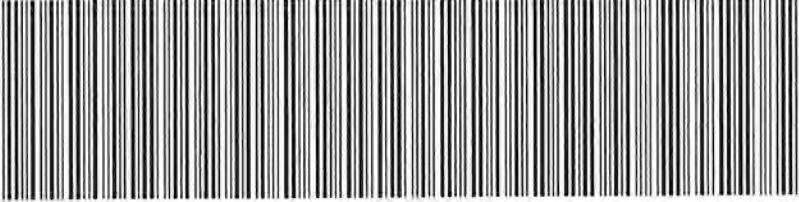
Name and Title of Person Signing for Owner, if applicable: _____

Jonathan Slager, manager

EXHIBIT B

NOTICE OF TRANSFER OF CERTIFICATE OF COMPLETION

[ATTACHED]

NYC DEPARTMENT OF FINANCE OFFICE OF THE CITY REGISTER			
This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument. The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.		2024121900441002003E7A0C	
RECORDING AND ENDORSEMENT COVER PAGE		PAGE 1 OF 6	
Document ID: 2024121900441002		Document Date: 12-11-2024	
Document Type: SUNDRY AGREEMENT		Preparation Date: 12-19-2024	
Document Page Count: 5			
PRESENTER: STEWART TITLE INSURANCE COMPANY (PICK-UP) 140 EAST 45TH STREET - 33RD FLOOR NY 12437 NEW YORK, NY 10017 646-559-7039 MARGUERITE.FRANCIS@STEWART.COM		RETURN TO: ATTN: JOANN JONES ESQ. / AUSTIN COHEN, ESQ. BAKER & HOSTETLER LLP 1170 PEACHTREE STREET NE, SUITE 2400 ATLANTA, GA 30309	
PROPERTY DATA			
Borough	Block	Lot	Unit Address
BROOKLYN	2942	105	Entire Lot 204 MORGAN AVENUE
Property Type: COMMERCIAL REAL ESTATE			
CROSS REFERENCE DATA			
CRFN: 2013000515358			
PARTIES			
PARTY 1: ROLLING FRITO-LAY SALES, LP 202-218 MORGAN AVENUE BROOKLYN, NY 11237		PARTY 2: BLUSV II NY 222 MORGAN AVE LP 1 MEADOWLANDS PLAZA, SUITE 201 EAST RUTHERFORD, NJ 07073	
FEES AND TAXES			
Mortgage :		Filing Fee:	
Mortgage Amount:	\$ 0.00	\$ 0.00	
Taxable Mortgage Amount:	\$ 0.00	NYC Real Property Transfer Tax:	
Exemption:		\$ 0.00	
TAXES: County (Basic):	\$ 0.00	NYS Real Estate Transfer Tax:	
City (Additional):	\$ 0.00	\$ 0.00	
Spec (Additional):	\$ 0.00		
TASF:	\$ 0.00		
MTA:	\$ 0.00		
NYCTA:	\$ 0.00		
Additional MRT:	\$ 0.00		
TOTAL:	\$ 0.00		
Recording Fee:	\$ 62.00		
Affidavit Fee:	\$ 0.00		
		RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK	
		Recorded/Filed 12-26-2024 12:07	
		City Register File No.(CRFN): 2024000335069	
			
		<i>Colette McLean-Jacques</i> City Register Official Signature	

NY12437

5

NOTICE OF TRANSFER OF CERTIFICATE OF COMPLETION

Brownfield Cleanup Program

Pursuant to 6 NYCRR Part 375-1.9(f)

Frito Lay, Site ID No. C224133

202-218 Morgan Avenue, Brooklyn, NY

Brooklyn, Kings County, Tax Map Identification Number(s) Brooklyn (Borough 3),

Block 02942, Lots 0105, 0111 and 0112

PLEASE TAKE NOTICE, that pursuant to Article 27, title 14 of the Environmental Conservation Law and 6 NYCRR 375-1.9(f), ROLLING FRITO-LAY SALES, LP hereby transfer(s) the Certificate of Completion (COC) issued by the Department of Environmental Conservation on November 6, 2013 for the site described below. Such COC was issued upon satisfaction of the Commissioner, following review by the Department of the final engineering report and data submitted pursuant to the Brownfield Cleanup Agreement, as well as any other relevant information regarding the Site, that the remediation requirements set forth in ECL Article 27, title 14 had been or would be achieved in accordance with the time frame, if any, established in the remedial work plan.

PLEASE TAKE NOTICE, that Frito Lay, Site ID No. C224133 is located at 202-218 Morgan Avenue, Brooklyn, Kings County, NY. The Site is bearing DEC site number: C224133 and is more fully described on Schedule A attached hereto. The Tax Map Identification Number(s) for the Site is/are Brooklyn (Borough 3), Block 02942, Lots 0105, 0111 and 0112. ✓

PLEASE TAKE NOTICE, that a Notice of Certificate of Completion for the Site was filed in the Kings County Clerk's Office on December 16, 2013 as File Number 2013000515358.

PLEASE TAKE NOTICE, that on December 17, 2024 ROLLING FRITO-LAY SALES, LP conveyed title to the Site to BLUSV II NY 222 MORGAN AVE LP by Deed recorded simultaneously herewith.

PLEASE TAKE NOTICE, ROLLING FRITO-LAY SALES, LP hereby transfers the Certificate to the following new property owner(s) as provided for pursuant to Article 27, title 14 of the Environmental Conservation Law and 6 NYCRR 375-1.9(f):

BLUSV II NY 222 MORGAN AVE LP

(New Property Owner)

1 Meadowlands Plaza, Suite 201,
East Rutherford, NJ 07073

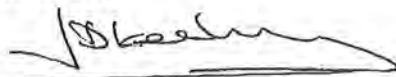
(Address)

PLEASE TAKE FURTHER NOTICE, that if there is an environmental easement for this site, that BLUSV II NY 222 MORGAN AVE LP recognize(s) and agree(s) to implement the Department-approved Site Management Plan, and any amendments thereto, and to fully comply with all restrictions and affirmative obligations contained therein as well as in the Environmental Easement for the Site.

WHEREFORE, the undersigned have signed this Notice of Transfer of Certificate of Completion as of this 11th of December, 2024 ✓

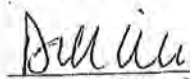
ROLLING FRITO-LAY SALES, LP,
a Delaware limited partnership

By: FRITO-LAY SALES, INC.,
a Delaware corporation

By: 
Name: James Keeley
Its: Authorized Signatory

STATE OF NEW YORK)
) ss:
COUNTY OF WESTCHESTER)

On the 11th day of December, in the year 2024, before me, the undersigned, personally appeared James Keeley, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.


Notary Public - State of New York

DEBORAH MILL
NOTARY PUBLIC - STATE OF NEW YORK
NO. 01M6144560
QUALIFIED IN DUTCHES COUNTY
MY COMMISSION EXPIRES APRIL 24, 2026

BLUSV II NY 222 MORGAN AVE LP,
a Delaware limited partnership

By: BLUSV II 222 Holdco GP LLC,
a Delaware limited liability company
Its: General Partner

By: Bridge Logistics Value II Holdings LLC,
a Delaware limited liability company
Its: Sole and Managing Member

By: [Signature]
Name: Jonathan Slager
Title: Manager

Utah
all STATE OF ~~NEW YORK~~)
COUNTY OF Salt Lake) ss:

On the 16 day of December, in the year 20 24 before me, the undersigned, personally appeared Jonathan Slager, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

[Signature]
Notary Public - State of Utah



Exhibit A

[PROPERTY LEGAL DESCRIPTION]

AS TO LOT 105:

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

Parcel A (TAX LOT 112):

BEGINNING at a point of the easterly side of Morgan Avenue where the same is intersected by the formerly center line of Meadow Street as it was laid out on the Commissioners Map of the City of Brooklyn prior to July 20, 1983;

RUNNING THENCE northerly along the easterly side of Morgan Avenue, 157 feet 6 inches;

THENCE easterly parallel with or nearly so with Ten Eyck Street as laid out on the Commissioners Map of the City of Brooklyn 214 feet;

THENCE southerly parallel or nearly so with the easterly side of Morgan Avenue 157 feet 6 inches to the center line of the said former Meadow Street; and

THENCE westerly along the center line of said former Meadow Street 214 feet to the point or place of BEGINNING.

Parcel B (TAX LOTS 105 & 111):

BEGINNING at a point on the easterly side of Morgan Avenue located 230 feet southerly from the corner formed by the intersection of the easterly side of Morgan Avenue with the southerly side of Ten Eyck Street;

RUNNING THENCE easterly and parallel with Ten Eyck Street 214 feet;

THENCE northerly and parallel with Morgan Avenue 157 feet and 6 inches;

THENCE easterly and parallel with Ten Eyck Street, 275 feet to the canal on Newton Creek;

THENCE southerly along said canal 287 feet 6 inches;

THENCE westerly and parallel with Ten Eyck Street 489 feet to the easterly side of Morgan Avenue;

THENCE northerly along said Morgan Avenue 130 feet to the point or place of BEGINNING.

AS TO LOT 1:

ALL that certain tract or parcel of land situate in the Borough of Brooklyn, County of Kings, State of New York, as shown on a certain plan entitled "ALTA/ACSM Land Title Survey, Lot 1, Block 2942", prepared by Pennoni Associates Inc., dated August 16, 2003, Project Number URSG 0301, Drawing #S0301, and being more particularly described as follows:

BEGINNING at a point on the easterly side of Morgan Avenue, 60 feet wide, a distance of 322.50 feet southerly from the corner formed by the intersection of the southerly side of Grand Street with the easterly side of Morgan Avenue; and

- (1) RUNNING THENCE leaving said easterly line of Morgan Avenue running through a party wall common to Lot 5, North 72 degrees 28 minutes 00 seconds East a distance of 200.00 feet to a point.
- (2) THENCE along a line common to Lot 5, North 17 degrees 32 minutes 00 seconds West a distance of 122.50 feet to a point;
- (3) THENCE along a line common to Lots 33 and 44, North 72 degrees 28 minutes 00 seconds East a distance of 204.96 feet to a point;
- (4) THENCE along a line common to Lot 44, South 03 degrees 11 minutes 05 seconds East, a distance of 13.60 feet to a point;
- (5) THENCE along a line common to Lots 44 and 48, North 72 degrees 28 minutes 00 seconds East a distance of 159.54 feet to a point,
- (6) THENCE along a line common to Lot 49, South 17 degrees 32 minutes 00 seconds East, a distance of 6.54 feet to a point;
- (7) THENCE along a line common to Lot 49, North 23 degrees 30 minutes 39 seconds East, a distance of 83.08 feet to a point;
- (8) THENCE along a line common to Lot 49, South 86 degrees 32 minutes 22 seconds East, a distance of 252.46 feet to a point; on the United States pierhead and bulkhead line along English Kills;
- (9) THENCE along said United States pierhead and bulkhead line, South 27 degrees 28 minutes 00 seconds West, a distance of 17.67 feet to a point;
- (10) THENCE continuing along said United States pierhead and bulkhead line, South 72 degrees 28 minutes 00 seconds West, a distance of 349.89 feet to a point;
- (11) THENCE continuing along said United States pierhead and bulkhead line, South 17 degrees 32 minutes 00 seconds East, a distance of 322.50 feet to a point;
- (12) THENCE leaving said United States pierhead and bulkhead line and along a line common to Lot 105 and 112, South 72 degrees 28 minutes 00 seconds West, a distance of 489.00 feet to a point on the easterly side of Morgan Avenue.
- (13) THENCE along the easterly side of Morgan Avenue, North 17 degrees 32 minutes 00 seconds West, a distance of 260.00 feet to a point and place of BEGINNING.

EXHIBIT C

60-DAY ADVANCE NOTIFICATION OF SITE CHANGE OF USE, TRANSFER OF CERTIFICATE
OF COMPLETION, AND/OR OWNERSHIP

[ATTACHED]

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**
Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. **Site Name:** FRITO-LAY (BROOKLYN, NEW YORK) **DEC Site ID No.** C224133

II. **Contact Information of Person Submitting Notification:**

Name: JAYE CARSON TRIMBLE
Address1: 2323 BRYAN STREET, SUITE 2200
Address2: DALLAS, TX 75201
Phone: 214-686-6157 E-mail: TRIMBLE@SBEP-LAW.COM

III. **Type of Change and Date:** Indicate the Type of Change(s) (check all that apply):

- ☒ Change in Ownership or Change in Remedial Party(ies)
☒ Transfer of Certificate of Completion (CoC)
☐ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 12/17/2024

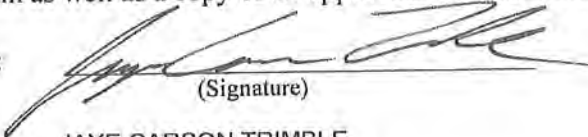
IV. **Description:** Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

ENTIRETY OF SITE IS BEING CONVEYED TO NEW OWNER

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

- V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name:  10/18/2024
(Signature) (Date)
JAYE CARSON TRIMBLE
(Print Name)

Address1: 2323 BRYAN STREET, SUITE 2200
Address2: DALLAS, TX 75201
Phone: 214-686-6157 E-mail: TRIMBLE@SBEP-LAW.COM

- VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☒ Prospective Owner ☒ Prospective Remedial Party ☐ Prospective Owner Representative
Name: BRIDGE LOGISTICS PROPERTIES (ATTN: MAC LEE)
Address1: 1 MEADOWLANDS PLAZA, SUITE 201
Address2: EAST RUTHERFORD, NJ 07073
Phone: 484-888-3103 E-mail: MAC.LEE@BRIDGEBLP.COM

Certifying Party Name: BRIDGE LOGISTICS PROPERTIES (ATTN: MAC LEE)
Address1: 1 MEADOWLANDS PLAZA, SUITE 201
Address2: EAST RUTHERFORD, NJ 07073
Phone: 484-888-3103 E-mail: MAC.LEE@BRIDGEBLP.COM

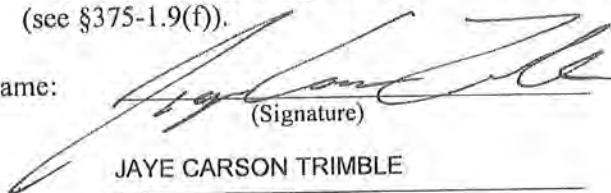
VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name:



(Signature)

10/18/2024

(Date)

JAYE CARSON TRIMBLE

(Print Name)

Address1: 2323 BRYAN STREET, SUITE 2200

Address2: DALLAS, TX 75201

Phone: 214-686-6157

E-mail: TRIMBLE@SBEP-LAW.COM

Appendix D

NYSDEC Correspondence

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor, Albany, NY 12233-7016
P: (518) 402-9543 | F: (518) 402-9722
www.dec.ny.gov

November 7, 2024

Katherine B. Galanti

GHD

285 Delaware Avenue Suite 500

Buffalo, NY 14202

Re: Frito Lay C224133

Dear Keith Massa

The New York State Department of Conservation (NYSDEC) has received and reviewed the "2024 Annual Post-Remediation Groundwater Monitoring Report," dated September 3, 2024. NYSDEC has approved the proposed change in monitored contaminants and the change to biennial reporting.

Sincerely



Abdulla Elbuytari (He/Him)

Project Manager

NYSDEC Department of Remediation

abdulla.elbuytari@dec.ny.gov

P: 518-402-9612



Department of
Environmental
Conservation

Katherine Galanti

From: MacNeal, Douglas (DEC) <douglas.macneal@dec.ny.gov>
Sent: Thursday, February 13, 2025 12:17 PM
To: Elbuytari, Abdulla M (DEC); Katherine Galanti
Cc: Ian McNamara; keith.d.massa@pepsico.com; mac.lee@bridgeblp.com
Subject: RE: Site No. C224133 - PRR Notice and IC/EC Certification

CompleteRepository: 12574234
Description: Pepsi-Morgan Avenue Brooklyn BCP Site
JobNo: 12574234
OperatingCentre: 5642
RepoEmail: 12574234@ghd.com
RepoType: Project

Kathy,

Attach the old PRRs that we didn't approve as appendices to the most recent PRR. We will also be fine with sending a revised PRR early, using the Certification form you just received. Use the current owner and the existing inspection. We understand that it will not technically represent the conditions as of March 31, 2025, and we accept that.

From: Elbuytari, Abdulla M (DEC) <abdulla.elbuytari@dec.ny.gov>
Sent: Thursday, February 13, 2025 11:56 AM
To: Katherine Galanti <Katherine.Galanti@ghd.com>
Cc: ian.mcnamara@ghd.com; MacNeal, Douglas (DEC) <douglas.macneal@dec.ny.gov>; keith.d.massa@pepsico.com; mac.lee@bridgeblp.com
Subject: RE: Site No. C224133 - PRR Notice and IC/EC Certification

Hello Kathy,

From what I understand, the PRR's were accepted and certified with the project managers over the years but it never went through to site control for some reason. That created an inconsistency and getting back on track has caused a confusion.

I am open to having a call sometime to talk it out.

Best,

ABDULLA ELBUYTARI (*he/him/his*)

New York State Department of Environmental Conservation
Division of Remediation | Bureau B
625 Broadway, Albany, NY 12233-4500
(518) 402-9612 | abdulla.elbuytari@dec.ny.gov
dec.ny.gov | @NYSDEC on Social Media | [Podcast](#)



From: Katherine Galanti <Katherine.Galanti@ghd.com>
Sent: Wednesday, February 12, 2025 5:03 PM
To: Elbuytari, Abdulla M (DEC) <abdulla.elbuytari@dec.ny.gov>
Cc: ian.mcnamara@ghd.com; MacNeal, Douglas (DEC) <douglas.macneal@dec.ny.gov>; keith.d.massa@pepsico.com; mac.lee@bridgeblp.com
Subject: RE: Site No. C224133 - PRR Notice and IC/EC Certification

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Abdulla –

I previously provided you the copies of the annual PRRs from November 2017 through November 2023 which also contained the signed IC/EC certification forms. I combed our archives and located the PRR for the period 11/2016 through 11/2017 (attached) – the IC/EC form is Appendix A to the report.

Since annual inspections, reports, and certifications were performed and submitted routinely, I'm not sure I understand why we are recertifying for the period going back to November 22, 2016. It would make more sense to certify from November 2023 to the new end date of March 31, 2025. Similarly, the PRR will only cover the period going back to November 2023; however, with the new end date, the report will need to be revised as the property transfer will have been completed within the new certification period, and a second inspection completed closer to the end date of the period. Also, the new IC/EC form will need to be signed by Bridge Logistics as they are the current owner as of the end date of the certification period.

Please advise if you are in agreement with this approach or if it would make sense to have a call with the involved parties to discuss.

Thank you.
Kathy

From: Elbuytari, Abdulla M (DEC) <abdulla.elbuytari@dec.ny.gov>
Sent: Wednesday, February 12, 2025 11:05 AM
To: Katherine Galanti <Katherine.Galanti@ghd.com>
Cc: Ian McNamara <ian.mcnamara@ghd.com>; MacNeal, Douglas (DEC) <douglas.macneal@dec.ny.gov>
Subject: RE: Site No. C224133 - PRR Notice and IC/EC Certification

Hello Katherine,

After some discussion, the conclusion that was made is that it would be better for you to resubmit the PRR and IC/EC form to reflect to extended period from 2016 to March 31, 2025. Moving forward you should also receive the annual notices again. You can also expect the certification period to be around the same time, March to April.

Thank you,

ABDULLA ELBUYTARI (he/him/his)

New York State Department of Environmental Conservation
Division of Remediation | Bureau B
625 Broadway, Albany, NY 12233-4500
(518) 402-9612 | abdulla.elbuytari@dec.ny.gov



From: Elbuytari, Abdulla M (DEC)
Sent: Tuesday, February 11, 2025 2:44 PM
To: Katherine Galanti <Katherine.Galanti@ghd.com>
Cc: ian.mcnamara@ghd.com; MacNeal, Douglas (DEC) <douglas.macneal@dec.ny.gov>
Subject: RE: Site No. C224133 - PRR Notice and IC/EC Certification

Good afternoon Katherine,

I did see the reminder notice and was a little confused. In addition to that I am having some personal network issues, but I am going to have some internal discussion to figure out where to go from here.

I do know that the next scheduled PRR period is around March 31st to May 15th of this year. The goal was to get the site back on an annual schedule so resubmitting the PRR to reflect the extended term may be the course of action to take.

Regardless, you will be notified of any action that needs to be taken or what to expect from us. I will also update our records concerning the firm change. Thank you for the update.

Best,

ABDULLA ELBUYTARI (*he/him/his*)

New York State Department of Environmental Conservation

Division of Remediation | Bureau B

625 Broadway, Albany, NY 12233-4500

(518) 402-9612 | abdulla.elbuytari@dec.ny.gov

dec.ny.gov | @NYSDEC on Social Media | [Podcast](#)



From: Katherine Galanti <Katherine.Galanti@ghd.com>
Sent: Tuesday, February 11, 2025 2:06 PM
To: Elbuytari, Abdulla M (DEC) <abdulla.elbuytari@dec.ny.gov>
Cc: ian.mcnamara@ghd.com
Subject: FW: Site No. C224133 - PRR Notice and IC/EC Certification

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Abdulla –

Frito-Lay/Pepsico received the attached today for Site C224133, 202-218 Morgan Ave. I assume you may have initiated this when you received the 2024 PRR and saw we've been updating an older form (we haven't received a new reminder notice or IC/EC certification form in years). Since we've already submitted the PRR, do you want us to:

- Complete and resubmit this new IC/EC form reflecting the extended term (November 22, 2016 to March 31, 2025) along with resubmittal of the PRR?
- Resubmit only the completed IC/EC form?
- Ignore the notice since the PRR and certification were already submitted?

Please advise on how you want us to proceed.

Also, going forward, will the new certification period run from April 1, 2025 to March 31, 2026? We will advise the new ownership of the change.

Lastly, mbrady@gfnet.com can be removed from the notification. That firm is no longer involved with the project/site. Going forward, you can use my email address.

Thank you.
Kathy

From: Massa, Keith D {PEP} <Keith.D.Massa@pepsico.com>
Sent: Tuesday, February 11, 2025 1:05 PM
To: Katherine Galanti <Katherine.Galanti@ghd.com>
Cc: Ian McNamara <Ian.McNamara@ghd.com>
Subject: FW: Site No. C224133 - PRR Notice and IC/EC Certification

Hi Katherine,

Can we get confirmation our report has been received by NYSDEC?

Thanks

Keith D. Massa

Director, Environmental Compliance - PFNA
7701 Legacy Dr., Plano, Texas 75024-4002
Office: (972) 334-5717 / Mobile: (214) 395-8267
keith.d.massa@pepsico.com



=====

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=====

From: Fox, Megan E (DEC) <megan.fox@dec.ny.gov>

Sent: Tuesday, February 11, 2025 11:58 AM

To: Massa, Keith D {PEP} <Keith.D.Massa@pepsico.com>

Cc: mbrady@gfnet.com; mac.lee@bridgeblp.com; O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; MacNeal, Douglas (DEC) <douglas.macneal@dec.ny.gov>; Elbuytari, Abdulla M (DEC) <abdulla.elbuytari@dec.ny.gov>

Subject: Site No. C224133 - PRR Notice and IC/EC Certification

WARNING: Email originated outside of PepsiCo.

Hello,

Please find attached an electronic copy of a Periodic Review Report Reminder Notice for the subject site. A hard copy will not follow in the mail.

All inquiries and concerns should be directed to the DEC Project Manager, indicated on the ec. list on the second page of the attached correspondence.

DEC Project Managers, please reach out to Site Control with any questions that you may have regarding this reminder notice.

Thanks!

Best,
Megan

--

Megan Fox (*she/her*)

Office Assistant 1

Division of Environmental Remediation

New York State Department of Environmental Conservation

625 Broadway, Albany, NY 12233-7011

Email: megan.fox@dec.ny.gov / Phone: 518-402-9625

www.dec.ny.gov |  |  | 



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2/11/2025

Keith Massa
S&D Capital & Capacity Sr. Program Manager
Rolling Frito-Lay Sales, LP
7701 Legacy Drive
Plano, TX 75024-4099
Keith.D.Massa@pepsico.com

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal

Site Name: Frito Lay

Site No.: C224133

Site Address: 202-218 Morgan Avenue
Brooklyn, NY 11237

Dear Keith Massa:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at <http://www.dec.ny.gov/regulations/67386.html>) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **April 30, 2025**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Professional Engineer (PE). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, must be submitted in electronic format to the Department of Environmental Conservation. The required format for documents is an Adobe PDF file with optical character recognition and no password protection. Data must be submitted as an electronic data deliverable (EDD) according to the instructions on the following webpage:

<https://www.dec.ny.gov/chemical/62440.html>

Documents may be submitted to the project manager either through electronic mail or by using the Department's file transfer service at the following webpage:

<https://fts.dec.state.ny.us/fts/>

The Department will not approve the PRR unless all documents and data generated in support of the PRR have been submitted using the required formats and protocols.

You may contact Abdulla Elbuytari, the Project Manager, at 518-402-9612 or abdulla.elbuytari@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation
Division of Environmental Remediation, BURB
625 Broadway
Albany, NY 12233-7016

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/ enclosures

Bridge Logistics Properties - mac.lee@bridgeblp.com

ec: w/ enclosures

Abdulla Elbuytari, Project Manager
Douglas Macneal, Section Chief
Jane O'Connell, Hazardous Waste Remediation Supervisor, Region 2
Gannett Fleming, Inc. - Michael J Brady, P.E. - mbrady@gfnet.com

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7):

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.
- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

Site Details

Site No. C224133

Box 1

Site Name Frito Lay

Site Address: 202-218 Morgan Avenue Zip Code: 11237
City/Town: Brooklyn
County: Kings
Site Acreage: 2.760

Reporting Period: November 22, 2016 to March 31, 2025

YES NO

1. Is the information above correct?

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?
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

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?

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?
Industrial
7. Are all ICs in place and functioning as designed?

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 _____

	Box 2A	
	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☐
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.		
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☐	☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.		

SITE NO. C224133	Box 3
Description of Institutional Controls	

Parcel**3-02942-0105**Owner

Bridge Logistics Properties

Institutional Control

Soil Management Plan
Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure

2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may

allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0111

Bridge Logistics Properties

Soil Management Plan
Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may

allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0112

Bridge Logistics Properties

Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Soil Management Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components

of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Box 4

Description of Engineering Controls

Parcel

3-02942-0105

Engineering Control

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the

ParcelEngineering Control

property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0111

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0112

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Parcel

Engineering Control

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

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 complete.

YES NO

☐ ☐

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

☐ ☐

**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. C224133**

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 _____ at _____,
print name print business address

am certifying as _____(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

Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I _____ at _____,
print name print business address

am certifying as a Professional Engineer for the _____
(Owner or Remedial Party)

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

Stamp
(Required for PE)

Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

- I. Executive Summary: (1/2-page or less)
 - A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
 - B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
 1. progress made during the reporting period toward meeting the remedial objectives for the site
 2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
 - C. Compliance
 1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
 2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
 - D. Recommendations
 1. recommend whether any changes to the SMP are needed
 2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
 3. recommend whether the requirements for discontinuing site management have been met.
- II. Site Overview (one page or less)
 - A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
 - B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.
- III. Evaluate Remedy Performance, Effectiveness, and Protectiveness

Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations should be presented simply and concisely.
- IV. IC/EC Plan Compliance Report (if applicable)
 - A. IC/EC Requirements and Compliance
 1. Describe each control, its objective, and how performance of the control is evaluated.
 2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
 3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
 4. Conclusions and recommendations for changes.
 - B. IC/EC Certification
 1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).
- V. Monitoring Plan Compliance Report (if applicable)
 - A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
 - B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
 - C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
 - D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
 - E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.
- VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
 - A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
 - B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
 - C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated

the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

- D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.
- E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

- A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
 - 1. whether all requirements of each plan were met during the reporting period
 - 2. any requirements not met
 - 3. proposed plans and a schedule for coming into full compliance.
- B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.
- C. Future PRR Submittals
 - 1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
 - 2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

Appendix E

Pre-Characterization and Geotechnical Certification Report

Our ref: 12574234

November 19, 2024

Mr. Ian Berko
Electrification Project Manager
Frito-Lay-Pepsico
7701 Legacy Drive
Plano, TX 75024

202-218 Morgan Avenue, Brooklyn, NY Soil Pre-Characterization and Geotechnical Certification

Dear Mr. Berko

In support of PepsiCo, Inc.'s (PepsiCo's) planned electrical infrastructure improvements at the Brooklyn facility located at 202-218 Morgan Avenue, Brooklyn, New York (Site), GHD completed a series of soil borings for waste disposal pre-characterization and geotechnical clearance within the boundaries of proposed utility trenches and a proposed utility vault. Boring locations are shown on the attached figure. The property is divided into two parcels: Parcel A is located east-northeast of the warehouse building (222 Morgan Avenue) and is unregulated property (not part of a New York State (NYS) environmental remediation regulatory program); Parcel C is located south-southeast of the warehouse building and is part of the NYS Brownfield Cleanup Program as Site No. C224133. This summary report will discuss the activities and results of Parcel C.

Pre-Characterization Sampling

Parcel C

GHD retained Aquifer Drilling and Testing, Inc. A Cascade Company (Cascade), to complete six soil borings on Parcel C on September 12 and 13, 2024. Five locations were completed to a depth of four feet below grade with the sixth location (BH1) placed within the footprint of the proposed utility vault being completed to a depth of 15 feet below grade for sampling purposes. Grab samples were collected from boreholes BH2, -3, and -6 from 3.5-4 feet below grade and from BH1 from 11.5-12 feet below grade for the volatile organic compound (VOC) fraction of the toxicity characteristic leaching procedure (TCLP) analysis. Two composite samples were generated from soil from borings BH2, -3, and -8 and BH6 and -7 for the remaining TCLP fractions (semivolatile organic compounds (SVOCs), metals, pesticides, herbicides) and polychlorinated biphenyls (PCBs), as well as a third composite from BH1. All analyses were completed by Alpha Analytical of Westborough, MA.

Table 1 provides a summary of the analytical results compared to the regulatory limits. TCLP results are all below the regulatory criteria, allowing waste to be disposed as unregulated/non-hazardous material. Total PCBs were detected in the three composite samples ranging from 1.34 parts per million in the BH6/BH7 composite to 11.6 parts per million in the BH1 composite, above the applicable New York State soil cleanup objectives (6 NYCRR Part 375-6.8) for most risk-based criteria and only meets the industrial use criteria.. The complete analytical data report is provided as Attachment 1.

Geotechnical Boring (Parcel C)

Cascade installed one geotechnical soil boring at BH1 on September 19, 2024 to a depth of 52 feet below grade under the supervision of Yu and Associates. The geotechnical report is provided as Attachment 2, with the required TR-4 form for New York City provided as Attachment 3.

Estimated Waste Volumes

Excavated material can be used as backfill in the excavations from Parcel C to the extent that the material is structurally suitable and provided the backfilled areas are placed beneath suitable impermeable cover. Excess material unable to be reused in the excavation should be properly disposed off-site in accordance with 6 NYCRR Part 360.

PepsiCo had provided GHD a set of construction drawings stamped on 3/1/2024 for use in developing the sampling scope of work. Sheet 16 of 27 identifies the total proposed area of disturbance on Parcels A and C as 7,747 square feet. Assuming an average depth of 4 feet for the utility trenches and a maximum depth of 15 feet for the utility vault, the estimated maximum soil volumes for removal and disposal from Parcel C are as follows:

Location	Square Footage	Depth	Volume(CF)	Volume(CY)
Parcel C Trenching	4,375	4	17,500	648
Utility Vault	167	15	2,505	93
Totals	4,542	N/A	20,005	741

Estimates are based on information provided by PepsiCo and assumed excavation depths as indicated, which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

While the detected concentrations of PCBs are below published regulatory criteria (TSCA, NYSDEC Part 371.4) for identification as regulated/hazardous waste, individual landfills may have permit-based restrictions on the concentrations of PCBs that can be accepted. Furthermore, the presence of PCBs in the soil would classify the material as a hazardous material under DOT shipping regulations, so any shipments would require proper placarding and shipping papers (e.g., non-hazardous waste manifest). GHD has identified three possible disposal facilities in New York that may accept the waste generated from Parcel C:

- Dunn Landfill – 315 Partition Street, Rensselaer, NY 12144
- Colonie Landfill – 4 Arrowhead Lane, Cohoes, NY 12047
- Seneca Meadows Landfill – 1786 Salcman Road, Waterloo, NY 13165

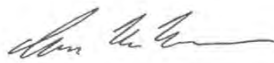
GHD appreciates the opportunity to continue to support PepsiCo. Once a disposal facility is identified by the engineer/construction contractor, GHD will finalize the Excavation Work Plan. Please contact us if you have any questions.

Regards



Katherine Galanti
Scientist

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Ian McNamara
Project Director

716-802-0312
ian.mcnamara@ghd.com

Copy to: K. Massa

Table 1
Analytical Results Summary
EV Construction Soil Characterization
Frito Lay Morgan Avenue Brooklyn BCP Site (Parcel C)

Location ID:			BH1	BH1	BH2	BH3	BH2, BH3, BH8
Sample Name:			SO-12574234-KP-091324-006	SO-12574234-KP-091324-005	SO-12574234-KP-091224-001	SO-12574234-KP-091224-002	SO-12574234-KP-091224-003
Sample Date:			09/13/2024	09/13/2024	09/12/2024	09/12/2024	09/12/2024
Depth:			14.5-15	0 - 15 ft BGS	3.5-4	3.5-4	0 - 4 ft BGS
			Grab	Composite	Grab	Grab	Composite
TCLP							
Parameter	Unit	Limits					
General Chemistry							
Total solids	%		--	81.5	--	--	69.6
pH	s.u.	2-12.5	--	7.87	--	--	8.52
Volatile Organic Compounds, TCLP							
1,1-Dichloroethene	mg/L	0.7	0.0050 U	--	0.0050 U	0.0050 U	--
1,2-Dichloroethane	mg/L	0.5	0.0050 U	--	0.0050 U	0.0050 U	--
1,4-Dichlorobenzene	mg/L	7.5	0.025 U	--	0.025 U	0.025 U	--
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	200	0.05 U	--	0.05 U	0.05 U	--
Benzene	mg/L	0.5	0.0050 U	--	0.0050 U	0.0050 U	--
Carbon tetrachloride	mg/L	0.5	0.0050 U	--	0.0050 U	0.0050 U	--
Chlorobenzene	mg/L	100	0.0050 U	--	0.0050 U	0.0050 U	--
Chloroform (Trichloromethane)	mg/L	6	0.0075 U	--	0.0075 U	0.0075 U	--
Tetrachloroethene	mg/L	0.7	0.0050 U	--	0.0050 U	0.0050 U	--
Trichloroethene	mg/L	0.5	0.0050 U	--	0.0050 U	0.0050 U	--
Vinyl chloride	mg/L	0.2	0.01 U	--	0.01 U	0.01 U	--
Semivolatile Organic Compounds, TCLP							
2,4,5-Trichlorophenol	mg/L	400	--	0.0050 U	--	--	0.0050 U
2,4,6-Trichlorophenol	mg/L	2	--	0.0050 U	--	--	0.0050 U
2,4-Dinitrotoluene	mg/L	0.13	--	0.0050 U	--	--	0.0050 U
2-Methylphenol	mg/L	200	--	0.0050 U	--	--	0.0050 U
3&4-Methylphenol	mg/L	200	--	0.0050 U	--	--	0.0050 U
Hexachlorobenzene	mg/L	0.13	--	0.0020 U	--	--	0.0020 U
Hexachlorobutadiene	mg/L	0.5	--	0.0020 U	--	--	0.0020 U
Hexachloroethane	mg/L	3	--	0.0020 U	--	--	0.0020 U
Nitrobenzene	mg/L	2	--	0.0020 U	--	--	0.0020 U
Pentachlorophenol	mg/L	100	--	0.01 U	--	--	0.01 U
Pyridine	mg/L	5	--	0.0035 U	--	--	0.0035 U
Metals, TCLP							
Arsenic	mg/L	5	--	1.00 U	--	--	1.00 U
Barium	mg/L	100	--	1.53	--	--	0.913
Cadmium	mg/L	1	--	0.0285 J	--	--	0.126
Chromium	mg/L	5	--	0.200 U	--	--	0.200 U
Lead	mg/L	5	--	1.43	--	--	0.763
Mercury	mg/L	0.2	--	0.0010 U	--	--	0.0010 U
Selenium	mg/L	1	--	0.500 U	--	--	0.500 U
Silver	mg/L	5	--	0.100 U	--	--	0.100 U
Herbicides, TCLP							
2,4,5-TP (Silvex)	mg/L	1	--	0.005 U	--	--	0.005 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	10	--	0.025 U	--	--	0.025 U
Pesticides, TCLP							
Chlordane	mg/L	0.03	--	0.00100 U	--	--	0.00100 U

Table 1
Analytical Results Summary
EV Construction Soil Characterization
Frito Lay Morgan Avenue Brooklyn BCP Site (Parcel C)

			Location ID:		BH1	BH1	BH2	BH3	BH2, BH3, BH8
			Sample Name:		SO-12574234-KP-091324-006	SO-12574234-KP-091324-005	SO-12574234-KP-091224-001	SO-12574234-KP-091224-002	SO-12574234-KP-091224-003
			Sample Date:		09/13/2024	09/13/2024	09/12/2024	09/12/2024	09/12/2024
			Depth:		14.5-15	0 - 15 ft BGS	3.5-4	3.5-4	0 - 4 ft BGS
					Grab	Composite	Grab	Grab	Composite
			TCLP						
Parameter	Unit	Limits							
Endrin	mg/L	0.02	--		0.000200 U	--	--	--	0.000200 U
gamma-BHC (lindane)	mg/L	0.4	--		0.000100 U	--	--	--	0.000100 U
Heptachlor	mg/L	0.008	--		0.000100 U	--	--	--	0.000100 U
Heptachlor epoxide	mg/L	0.008	--		0.000100 U	--	--	--	0.000100 U
Methoxychlor	mg/L	10	--		0.00100 U	--	--	--	0.00100 U
Toxaphene	mg/L	0.5	--		0.00100 U	--	--	--	0.00100 U
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg		--		1.18 U	--	--	--	0.347 U
Aroclor-1221 (PCB-1221)	mg/kg		--		1.18 U	--	--	--	0.347 U
Aroclor-1232 (PCB-1232)	mg/kg		--		1.18 U	--	--	--	0.347 U
Aroclor-1242 (PCB-1242)	mg/kg		--		7.4	--	--	--	3.6
Aroclor-1248 (PCB-1248)	mg/kg		--		1.18 U	--	--	--	0.347 U
Aroclor-1254 (PCB-1254)	mg/kg		--		4.24	--	--	--	3.75
Aroclor-1260 (PCB-1260)	mg/kg		--		1.18 U	--	--	--	1.03
Aroclor-1262 (PCB-1262)	mg/kg		--		1.18 U	--	--	--	0.347 U
Aroclor-1268 (PCB-1268)	mg/kg		--		1.18 U	--	--	--	0.347 U
Total PCBs	mg/kg		--		11.6	--	--	--	8.38

Notes:

Table 1
Analytical Results Summary
EV Construction Soil Characterization
Frito Lay Morgan Avenue Brooklyn BCP Site (Parcel C)

		Lo	BH6	BH6, BH7
		Sam	SO-12574234-KP-091324-009	SO-12574234-KP-091324-010
		Sar	09/13/2024	09/13/2024
			3.5-4	0 - 4 ft BGS
			Grab	Composite
Parameter	Unit			
General Chemistry				
Total solids	%		--	71.4
pH	s.u.		--	8.97
Volatile Organic Compounds, TCLP				
1,1-Dichloroethene	mg/L		0.0050 U	--
1,2-Dichloroethane	mg/L		0.0050 U	--
1,4-Dichlorobenzene	mg/L		0.025 U	--
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L		0.05 U	--
Benzene	mg/L		0.0050 U	--
Carbon tetrachloride	mg/L		0.0050 U	--
Chlorobenzene	mg/L		0.0050 U	--
Chloroform (Trichloromethane)	mg/L		0.0075 U	--
Tetrachloroethene	mg/L		0.0050 U	--
Trichloroethene	mg/L		0.0050 U	--
Vinyl chloride	mg/L		0.01 U	--
Semivolatile Organic Compounds, TCLP				
2,4,5-Trichlorophenol	mg/L		--	0.0050 U
2,4,6-Trichlorophenol	mg/L		--	0.0050 U
2,4-Dinitrotoluene	mg/L		--	0.0050 U
2-Methylphenol	mg/L		--	0.0050 U
3&4-Methylphenol	mg/L		--	0.0050 U
Hexachlorobenzene	mg/L		--	0.0020 U
Hexachlorobutadiene	mg/L		--	0.0020 U
Hexachloroethane	mg/L		--	0.0020 U
Nitrobenzene	mg/L		--	0.0020 U
Pentachlorophenol	mg/L		--	0.01 U
Pyridine	mg/L		--	0.0035 U
Metals, TCLP				
Arsenic	mg/L		--	0.0229 J
Barium	mg/L		--	0.479 J
Cadmium	mg/L		--	0.100 U
Chromium	mg/L		--	0.200 U
Lead	mg/L		--	0.0639 J
Mercury	mg/L		--	0.0010 U
Selenium	mg/L		--	0.500 U
Silver	mg/L		--	0.100 U
Herbicides, TCLP				
2,4,5-TP (Silvex)	mg/L		--	0.005 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L		--	0.025 U
Pesticides, TCLP				
Chlordane	mg/L		--	0.00100 U

Table 1
Analytical Results Summary
EV Construction Soil Characterization
Frito Lay Morgan Avenue Brooklyn BCP Site (Parcel C)

		Lo	BH6	BH6, BH7
	Parameter	Unit	Sample ID	Date
	Endrin	mg/L	--	0.000200 U
	gamma-BHC (lindane)	mg/L	--	0.000100 U
	Heptachlor	mg/L	--	0.000100 U
	Heptachlor epoxide	mg/L	--	0.000100 U
	Methoxychlor	mg/L	--	0.00100 U
	Toxaphene	mg/L	--	0.00100 U
	PCBs			
	Aroclor-1016 (PCB-1016)	mg/kg	--	0.0648 U
	Aroclor-1221 (PCB-1221)	mg/kg	--	0.0648 U
	Aroclor-1232 (PCB-1232)	mg/kg	--	0.0648 U
	Aroclor-1242 (PCB-1242)	mg/kg	--	0.343
	Aroclor-1248 (PCB-1248)	mg/kg	--	0.0648 U
	Aroclor-1254 (PCB-1254)	mg/kg	--	0.662
	Aroclor-1260 (PCB-1260)	mg/kg	--	0.335
	Aroclor-1262 (PCB-1262)	mg/kg	--	0.0648 U
	Aroclor-1268 (PCB-1268)	mg/kg	--	0.0648 U
	Total PCBs	mg/kg	--	1.34

Notes:

Attachments

Attachment 1

Parcel C – Analytical Data



ANALYTICAL REPORT

Lab Number:	L2452911
Client:	GHD, Inc. 285 Delaware Avenue Suite 500 Buffalo, NY 14202
ATTN:	Katherine Galanti
Phone:	(716) 362-8839
Project Name:	EV CHARGERS PROJECT SUPPORT
Project Number:	12574234
Report Date:	09/26/24

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2452911-01	SO-12574234-KP-091224-001	SOIL	222 MORGAN AVE, BROOKLYN, NY 11237	09/12/24 08:40	09/13/24
L2452911-02	SO-12574234-KP-091224-002	SOIL	222 MORGAN AVE, BROOKLYN, NY 11237	09/12/24 10:15	09/13/24
L2452911-03	SO-12574234-KP-091224-003	SOIL	222 MORGAN AVE, BROOKLYN, NY 11237	09/12/24 11:50	09/13/24
L2452911-05	SO-12574234-KP-091324-005	SOIL	222 MORGAN AVE, BROOKLYN, NY 11237	09/13/24 09:25	09/13/24
L2452911-06	SO-12574234-KP-091324-006	SOIL	222 MORGAN AVE, BROOKLYN, NY 11237	09/13/24 09:25	09/13/24
L2452911-09	SO-12574234-KP-091324-009	SOIL	222 MORGAN AVE, BROOKLYN, NY 11237	09/13/24 11:10	09/13/24
L2452911-10	SO-12574234-KP-091324-010	SOIL	222 MORGAN AVE, BROOKLYN, NY 11237	09/13/24 11:45	09/13/24

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

Case Narrative (continued)

Report Revision

September 26, 2024: Client sample IDs "SO-12574234-KP-091224-004", "SO-12574234-KP-091324-007", and "SO-12574234-KP-091324-008" were removed.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

PCBs

L2452911-05D: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 09/26/24

ORGANICS

VOLATILES

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-01
Client ID: SO-12574234-KP-091224-001
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/12/24 08:40
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/19/24 03:08
Analyst: MCM

TCLP/SPLP Ext. Date: 09/17/24 09:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
dibromofluoromethane	111		70-130

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-02
Client ID: SO-12574234-KP-091224-002
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/12/24 10:15
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/19/24 03:35
Analyst: MCM

TCLP/SPLP Ext. Date: 09/17/24 09:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
dibromofluoromethane	109		70-130

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-06
Client ID: SO-12574234-KP-091324-006
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/13/24 09:25
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/19/24 04:02
Analyst: MCM

TCLP/SPLP Ext. Date: 09/17/24 09:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
dibromofluoromethane	111		70-130

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-09
Client ID: SO-12574234-KP-091324-009
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/13/24 11:10
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/19/24 05:23
Analyst: MCM

TCLP/SPLP Ext. Date: 09/17/24 09:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
dibromofluoromethane	108		70-130

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/18/24 23:04
Analyst: MCM
TCLP/SPLP Extraction Date: 09/17/24 09:07

Extraction Date: 09/17/24 09:07

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-02,04,06-07,09 Batch: WG1973649-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
dibromofluoromethane	112		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: EV CHARGERS PROJECT SUPPORT

Project Number: 12574234

Lab Number: L2452911

Report Date: 09/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-02,04,06-07,09 Batch: WG1973649-3 WG1973649-4								
Chloroform	100		98		70-130	2		20
Carbon tetrachloride	110		100		63-132	10		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		98		75-130	2		25
1,2-Dichloroethane	100		96		70-130	4		20
Benzene	99		92		70-130	7		25
Vinyl chloride	78		73		55-140	7		20
1,1-Dichloroethene	100		100		61-145	0		25
Trichloroethene	100		100		70-130	0		25
1,4-Dichlorobenzene	100		100		70-130	0		20
2-Butanone	84		97		63-138	14		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		98		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	96		96		70-130
dibromofluoromethane	104		106		70-130

SEMIVOLATILES

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-03
Client ID: SO-12574234-KP-091224-003
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/12/24 11:50
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/22/24 15:37
Analyst: SLR
Percent Solids: 70%
TCLP/SPLP Ext. Date: 09/18/24 07:40

Extraction Method: EPA 3510C
Extraction Date: 09/21/24 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
Pentachlorophenol	ND		ug/l	10	2.5	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Pyridine	ND		ug/l	3.5	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	42		10-120
4-Terphenyl-d14	66		41-149

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-05
Client ID: SO-12574234-KP-091324-005
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/13/24 09:25
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/22/24 15:59
Analyst: SLR
Percent Solids: 82%
TCLP/SPLP Ext. Date: 09/18/24 07:40

Extraction Method: EPA 3510C
Extraction Date: 09/21/24 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
Pentachlorophenol	ND		ug/l	10	2.5	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Pyridine	ND		ug/l	3.5	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	66		41-149

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-10
Client ID: SO-12574234-KP-091324-010
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/13/24 11:45
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/22/24 16:45
Analyst: SLR
Percent Solids: 71%
TCLP/SPLP Ext. Date: 09/18/24 07:40

Extraction Method: EPA 3510C
Extraction Date: 09/21/24 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
Pentachlorophenol	ND		ug/l	10	2.5	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Pyridine	ND		ug/l	3.5	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	21		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	36		10-120
4-Terphenyl-d14	62		41-149

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
 Analytical Date: 09/22/24 12:43
 Analyst: CMM
 TCLP/SPLP Extraction Date: 09/18/24 07:40

Extraction Method: EPA 3510C
 Extraction Date: 09/21/24 07:42

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 03,05,08,10 Batch: WG1974508-1					
Hexachlorobenzene	ND		ug/l	2.0	0.45
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
Hexachlorobutadiene	ND		ug/l	2.0	0.36
Hexachloroethane	ND		ug/l	2.0	0.20
Nitrobenzene	ND		ug/l	2.0	0.20
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
Pentachlorophenol	ND		ug/l	10	2.5
2-Methylphenol	ND		ug/l	5.0	2.3
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Pyridine	ND		ug/l	3.5	0.31

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	51		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: EV CHARGERS PROJECT SUPPORT

Project Number: 12574234

Lab Number: L2452911

Report Date: 09/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 03,05,08,10 Batch: WG1974508-2 WG1974508-3								
Hexachlorobenzene	77		85		40-140	10		30
2,4-Dinitrotoluene	86		96		48-143	11		30
Hexachlorobutadiene	75		80		40-140	6		30
Hexachloroethane	58		62		40-140	7		30
Nitrobenzene	72		63		40-140	13		30
2,4,6-Trichlorophenol	93		112		30-130	19		30
Pentachlorophenol	105	Q	110	Q	9-103	5		30
2-Methylphenol	62		65		30-130	5		30
3-Methylphenol/4-Methylphenol	59		61		30-130	3		30
2,4,5-Trichlorophenol	98		117		30-130	18		30
Pyridine	59		59		10-66	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	52		53		21-120
Phenol-d6	32		35		10-120
Nitrobenzene-d5	58		54		23-120
2-Fluorobiphenyl	68		70		15-120
2,4,6-Tribromophenol	69		67		10-120
4-Terphenyl-d14	73		65		41-149

PCBS

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-03 D
Client ID: SO-12574234-KP-091224-003
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/12/24 11:50
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/21/24 14:25
Analyst: SDC
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 09/19/24 22:23
Cleanup Method: EPA 3665A
Cleanup Date: 09/21/24
Cleanup Method: EPA 3660B
Cleanup Date: 09/21/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	347	30.8	5	A
Aroclor 1221	ND		ug/kg	347	34.8	5	A
Aroclor 1232	ND		ug/kg	347	73.6	5	A
Aroclor 1242	3600		ug/kg	347	46.8	5	A
Aroclor 1248	ND		ug/kg	347	52.0	5	A
Aroclor 1254	3750		ug/kg	347	38.0	5	B
Aroclor 1260	1030		ug/kg	347	64.1	5	B
Aroclor 1262	ND		ug/kg	347	44.1	5	A
Aroclor 1268	ND		ug/kg	347	36.0	5	A
PCBs, Total	8380		ug/kg	347	30.8	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	128		30-150	B

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-05 D
Client ID: SO-12574234-KP-091324-005
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/13/24 09:25
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/21/24 14:32
Analyst: SDC
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 09/19/24 22:23
Cleanup Method: EPA 3665A
Cleanup Date: 09/21/24
Cleanup Method: EPA 3660B
Cleanup Date: 09/21/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1180	104.	20	A
Aroclor 1221	ND		ug/kg	1180	118.	20	A
Aroclor 1232	ND		ug/kg	1180	249.	20	A
Aroclor 1242	7400		ug/kg	1180	158.	20	B
Aroclor 1248	ND		ug/kg	1180	176.	20	A
Aroclor 1254	4240		ug/kg	1180	129.	20	B
Aroclor 1260	ND		ug/kg	1180	217.	20	A
Aroclor 1262	ND		ug/kg	1180	149.	20	A
Aroclor 1268	ND		ug/kg	1180	122.	20	A
PCBs, Total	11600		ug/kg	1180	104.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	A
Decachlorobiphenyl	0	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	B
Decachlorobiphenyl	0	Q	30-150	B

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-10
Client ID: SO-12574234-KP-091324-010
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/13/24 11:45
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/21/24 10:55
Analyst: MEO
Percent Solids: 71%

Extraction Method: EPA 3546
Extraction Date: 09/19/24 22:23
Cleanup Method: EPA 3665A
Cleanup Date: 09/21/24
Cleanup Method: EPA 3660B
Cleanup Date: 09/21/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	64.8	5.75	1	A
Aroclor 1221	ND		ug/kg	64.8	6.49	1	A
Aroclor 1232	ND		ug/kg	64.8	13.7	1	A
Aroclor 1242	343		ug/kg	64.8	8.73	1	A
Aroclor 1248	ND		ug/kg	64.8	9.72	1	A
Aroclor 1254	662		ug/kg	64.8	7.09	1	B
Aroclor 1260	335		ug/kg	64.8	12.0	1	A
Aroclor 1262	ND		ug/kg	64.8	8.23	1	A
Aroclor 1268	ND		ug/kg	64.8	6.71	1	A
PCBs, Total	1340		ug/kg	64.8	5.75	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/20/24 09:31
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 09/19/24 08:57
Cleanup Method: EPA 3665A
Cleanup Date: 09/20/24
Cleanup Method: EPA 3660B
Cleanup Date: 09/20/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03,05,08,10 Batch: WG1973664-1						
Aroclor 1016	ND		ug/kg	47.3	4.20	A
Aroclor 1221	ND		ug/kg	47.3	4.74	A
Aroclor 1232	ND		ug/kg	47.3	10.0	A
Aroclor 1242	ND		ug/kg	47.3	6.38	A
Aroclor 1248	ND		ug/kg	47.3	7.10	A
Aroclor 1254	ND		ug/kg	47.3	5.18	A
Aroclor 1260	ND		ug/kg	47.3	8.74	A
Aroclor 1262	ND		ug/kg	47.3	6.01	A
Aroclor 1268	ND		ug/kg	47.3	4.90	A
PCBs, Total	ND		ug/kg	47.3	4.20	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	50		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** EV CHARGERS PROJECT SUPPORT**Lab Number:** L2452911**Project Number:** 12574234**Report Date:** 09/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03,05,08,10 Batch: WG1973664-2 WG1973664-3									
Aroclor 1016	60		75		40-140	22		50	A
Aroclor 1260	52		67		40-140	25		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		72		30-150	A
Decachlorobiphenyl	49		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		69		30-150	B
Decachlorobiphenyl	44		56		30-150	B

PESTICIDES

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-03
Client ID: SO-12574234-KP-091224-003
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/12/24 11:50
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/21/24 15:04
Analyst: JAG
Percent Solids: 70%
TCLP/SPLP Ext. Date: 09/18/24 07:40

Extraction Method: EPA 3510C
Extraction Date: 09/20/24 07:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-03
Client ID: SO-12574234-KP-091224-003
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/12/24 11:50
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/21/24 14:15
Analyst: JAG
Percent Solids: 70%
TCLP/SPLP Ext. Date: 09/18/24 07:40
Methylation Date: 09/20/24 21:55

Extraction Method: EPA 8151A
Extraction Date: 09/19/24 19:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	42		30-150	A
DCAA	41		30-150	B

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-05
Client ID: SO-12574234-KP-091324-005
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/13/24 09:25
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/21/24 15:16
Analyst: JAG
Percent Solids: 82%
TCLP/SPLP Ext. Date: 09/18/24 07:40

Extraction Method: EPA 3510C
Extraction Date: 09/20/24 07:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-05
Client ID: SO-12574234-KP-091324-005
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/13/24 09:25
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/21/24 14:35
Analyst: JAG
Percent Solids: 82%
TCLP/SPLP Ext. Date: 09/18/24 07:40
Methylation Date: 09/20/24 21:55

Extraction Method: EPA 8151A
Extraction Date: 09/19/24 19:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	42		30-150	A
DCAA	41		30-150	B

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-10
Client ID: SO-12574234-KP-091324-010
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/13/24 11:45
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/21/24 15:40
Analyst: JAG
Percent Solids: 71%
TCLP/SPLP Ext. Date: 09/18/24 07:40

Extraction Method: EPA 3510C
Extraction Date: 09/20/24 07:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-10
Client ID: SO-12574234-KP-091324-010
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/13/24 11:45
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/21/24 15:14
Analyst: JAG
Percent Solids: 71%
TCLP/SPLP Ext. Date: 09/18/24 07:40
Methylation Date: 09/20/24 22:23

Extraction Method: EPA 8151A
Extraction Date: 09/19/24 19:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	41		30-150	A
DCAA	40		30-150	B

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/21/24 09:42
Analyst: JAG
TCLP/SPLP Extraction Date: 09/18/24 07:40
Methylation Date: 09/20/24 21:55

Extraction Method: EPA 8151A
Extraction Date: 09/19/24 19:40

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 03,05,08,10 Batch: WG1973984-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	49		30-150	A
DCAA	48		30-150	B

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 09/21/24 14:05
 Analyst: JAG
 TCLP/SPLP Extraction Date: 09/18/24 07:40

Extraction Method: EPA 3510C
 Extraction Date: 09/20/24 07:26

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 03,05,08,10 Batch: WG1974108-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	55		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** EV CHARGERS PROJECT SUPPORT**Lab Number:** L2452911**Project Number:** 12574234**Report Date:** 09/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 03,05,08,10 Batch: WG1973984-2 WG1973984-3									
2,4-D	98		90		30-150	9		25	A
2,4,5-TP (Silvex)	43		38		30-150	12		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	52		43		30-150	A
DCAA	63		68		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 03,05,08,10 Batch: WG1974108-2 WG1974108-3									
Lindane	82		71		30-150	14		20	A
Heptachlor	83		74		30-150	12		20	A
Heptachlor epoxide	79		71		30-150	11		20	A
Endrin	83		75		30-150	11		20	A
Methoxychlor	87		78		30-150	10		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		70		30-150	A
Decachlorobiphenyl	68		61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		64		30-150	B
Decachlorobiphenyl	67		59		30-150	B

METALS

Project Name: EV CHARGERS PROJECT SUPPORT**Lab Number:** L2452911**Project Number:** 12574234**Report Date:** 09/26/24**SAMPLE RESULTS**

Lab ID: L2452911-03

Date Collected: 09/12/24 11:50

Client ID: SO-12574234-KP-091224-003

Date Received: 09/13/24

Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 09/18/24 07:40

Matrix: Soil

Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	09/20/24 01:20	09/20/24 14:45	EPA 3015	1,6010D	CEY
Barium, TCLP	0.913		mg/l	0.500	0.0210	1	09/20/24 01:20	09/20/24 14:45	EPA 3015	1,6010D	CEY
Cadmium, TCLP	0.126		mg/l	0.100	0.0100	1	09/20/24 01:20	09/20/24 14:45	EPA 3015	1,6010D	CEY
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	09/20/24 01:20	09/20/24 14:45	EPA 3015	1,6010D	CEY
Lead, TCLP	0.763		mg/l	0.500	0.0270	1	09/20/24 01:20	09/20/24 14:45	EPA 3015	1,6010D	CEY
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	09/20/24 00:07	09/20/24 18:40	EPA 7470A	1,7470A	SMV
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	09/20/24 01:20	09/20/24 14:45	EPA 3015	1,6010D	CEY
Silver, TCLP	ND		mg/l	0.100	0.0280	1	09/20/24 01:20	09/20/24 14:45	EPA 3015	1,6010D	CEY



Project Name: EV CHARGERS PROJECT SUPPORT**Lab Number:** L2452911**Project Number:** 12574234**Report Date:** 09/26/24**SAMPLE RESULTS**

Lab ID: L2452911-05

Date Collected: 09/13/24 09:25

Client ID: SO-12574234-KP-091324-005

Date Received: 09/13/24

Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 09/18/24 07:40

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	09/20/24 01:20	09/20/24 14:51	EPA 3015	1,6010D	CEY
Barium, TCLP	1.53		mg/l	0.500	0.0210	1	09/20/24 01:20	09/20/24 14:51	EPA 3015	1,6010D	CEY
Cadmium, TCLP	0.0285	J	mg/l	0.100	0.0100	1	09/20/24 01:20	09/20/24 14:51	EPA 3015	1,6010D	CEY
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	09/20/24 01:20	09/20/24 14:51	EPA 3015	1,6010D	CEY
Lead, TCLP	1.43		mg/l	0.500	0.0270	1	09/20/24 01:20	09/20/24 14:51	EPA 3015	1,6010D	CEY
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	09/20/24 00:07	09/20/24 18:51	EPA 7470A	1,7470A	SMV
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	09/20/24 01:20	09/20/24 14:51	EPA 3015	1,6010D	CEY
Silver, TCLP	ND		mg/l	0.100	0.0280	1	09/20/24 01:20	09/20/24 14:51	EPA 3015	1,6010D	CEY



Project Name: EV CHARGERS PROJECT SUPPORT**Lab Number:** L2452911**Project Number:** 12574234**Report Date:** 09/26/24**SAMPLE RESULTS**

Lab ID: L2452911-10

Date Collected: 09/13/24 11:45

Client ID: SO-12574234-KP-091324-010

Date Received: 09/13/24

Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 09/18/24 07:40

Matrix: Soil

Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.0229	J	mg/l	1.00	0.0190	1	09/20/24 01:20	09/20/24 15:03	EPA 3015	1,6010D	CEY
Barium, TCLP	0.479	J	mg/l	0.500	0.0210	1	09/20/24 01:20	09/20/24 15:03	EPA 3015	1,6010D	CEY
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	09/20/24 01:20	09/20/24 15:03	EPA 3015	1,6010D	CEY
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	09/20/24 01:20	09/20/24 15:03	EPA 3015	1,6010D	CEY
Lead, TCLP	0.0639	J	mg/l	0.500	0.0270	1	09/20/24 01:20	09/20/24 15:03	EPA 3015	1,6010D	CEY
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	09/20/24 00:07	09/20/24 18:58	EPA 7470A	1,7470A	SMV
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	09/20/24 01:20	09/20/24 15:03	EPA 3015	1,6010D	CEY
Silver, TCLP	ND		mg/l	0.100	0.0280	1	09/20/24 01:20	09/20/24 15:03	EPA 3015	1,6010D	CEY



Project Name: EV CHARGERS PROJECT SUPPORT

Lab Number: L2452911

Project Number: 12574234

Report Date: 09/26/24

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 03,05,08,10 Batch: WG1973873-1										
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	09/20/24 01:20	09/20/24 13:11	1,6010D	CEY
Barium, TCLP	ND		mg/l	0.500	0.0210	1	09/20/24 01:20	09/20/24 13:11	1,6010D	CEY
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	09/20/24 01:20	09/20/24 13:11	1,6010D	CEY
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	09/20/24 01:20	09/20/24 13:11	1,6010D	CEY
Lead, TCLP	ND		mg/l	0.500	0.0270	1	09/20/24 01:20	09/20/24 13:11	1,6010D	CEY
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	09/20/24 01:20	09/20/24 13:11	1,6010D	CEY
Silver, TCLP	ND		mg/l	0.100	0.0280	1	09/20/24 01:20	09/20/24 13:11	1,6010D	CEY

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/16/24 19:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 03,05,08,10 Batch: WG1973876-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	09/20/24 00:07	09/20/24 18:10	1,7470A	SMV

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/16/24 19:28



Lab Control Sample Analysis**Batch Quality Control****Project Name:** EV CHARGERS PROJECT SUPPORT**Project Number:** 12574234**Lab Number:** L2452911**Report Date:** 09/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,05,08,10 Batch: WG1973873-2								
Arsenic, TCLP	98		-		75-125	-		20
Barium, TCLP	92		-		75-125	-		20
Cadmium, TCLP	98		-		75-125	-		20
Chromium, TCLP	97		-		75-125	-		20
Lead, TCLP	95		-		75-125	-		20
Selenium, TCLP	97		-		75-125	-		20
Silver, TCLP	96		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,05,08,10 Batch: WG1973876-2								
Mercury, TCLP	90		-		80-120	-		

Matrix Spike Analysis **Batch Quality Control**

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,05,08,10 QC Batch ID: WG1973873-3 QC Sample: L2452900-01 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.24	103		-	-		75-125	-		20
Barium, TCLP	0.249J	20	18.5	92		-	-		75-125	-		20
Cadmium, TCLP	ND	0.53	0.547	103		-	-		75-125	-		20
Chromium, TCLP	ND	2	1.99	100		-	-		75-125	-		20
Lead, TCLP	ND	5.3	5.31	100		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.20	100		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.495	99		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,05,08,10 QC Batch ID: WG1973876-3 QC Sample: L2452900-01 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0234	94		-	-		75-125	-		20

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2452911
Report Date: 09/26/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,05,08,10 QC Batch ID: WG1973873-4 QC Sample: L2452900-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.249J	0.304J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,05,08,10 QC Batch ID: WG1973876-4 QC Sample: L2452900-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-03
Client ID: SO-12574234-KP-091224-003
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/12/24 11:50
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.6		%	0.100	NA	1	-	09/17/24 01:26	121,2540G	WJM
pH (H)	8.52		SU	-	NA	1	-	09/16/24 19:13	1,9045D	AAS



Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-05
Client ID: SO-12574234-KP-091324-005
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/13/24 09:25
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.5		%	0.100	NA	1	-	09/17/24 01:26	121,2540G	WJM
pH (H)	7.87		SU	-	NA	1	-	09/16/24 19:13	1,9045D	AAS



Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2452911-10
Client ID: SO-12574234-KP-091324-010
Sample Location: 222 MORGAN AVE, BROOKLYN, NY 11237

Date Collected: 09/13/24 11:45
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.4		%	0.100	NA	1	-	09/17/24 01:26	121,2540G	WJM
pH (H)	8.97		SU	-	NA	1	-	09/16/24 19:13	1,9045D	AAS



Lab Control Sample Analysis**Batch Quality Control****Project Name:** EV CHARGERS PROJECT SUPPORT**Project Number:** 12574234**Lab Number:** L2452911**Report Date:** 09/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03,05,08,10 Batch: WG1972287-1								
pH	100		-		99-101	-		

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L2452911
Report Date: 09/26/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03,05,08,10 QC Batch ID: WG1972287-2 QC Sample: L2452400-01 Client ID: DUP Sample						
pH	7.71	7.92	SU	3		5
General Chemistry - Westborough Lab Associated sample(s): 03,05,08,10 QC Batch ID: WG1972330-1 QC Sample: L2452018-01 Client ID: DUP Sample						
Solids, Total	94.2	93.9	%	0		20

Project Name: EV CHARGERS PROJECT SUPPORT**Lab Number:** L2452911**Project Number:** 12574234**Report Date:** 09/26/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2452911-01A	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		ARCHIVE()
L2452911-01B	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		TCLP-EXT-ZHE(14)
L2452911-01Y	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L2452911-01Z	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L2452911-02A	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		ARCHIVE()
L2452911-02B	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		TCLP-EXT-ZHE(14)
L2452911-02Y	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L2452911-02Z	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L2452911-03A	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2452911-03B	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		PH-9045(1),NYTCL-8082(365)
L2452911-03W	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2452911-03X	Amber 1000ml unpreserved Extracts	A	NA		3.1	Y	Absent		HERB-TCLP*(14),PEST-TCLP*(14),TCLP-8270-RVT(14)
L2452911-03X9	Tumble Vessel	A	NA		3.1	Y	Absent		-
L2452911-04A	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		-
L2452911-04B	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		-
L2452911-04Y	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		-
L2452911-04Z	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		-
L2452911-05A	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2452911-05B	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		PH-9045(1),NYTCL-8082(365)
L2452911-05W	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2452911-05X	Amber 1000ml unpreserved Extracts	A	NA		3.1	Y	Absent		HERB-TCLP*(14),PEST-TCLP*(14),TCLP-8270-RVT(14)

Project Name: EV CHARGERS PROJECT SUPPORT**Lab Number:** L2452911**Project Number:** 12574234**Report Date:** 09/26/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2452911-05X9	Tumble Vessel	A	NA		3.1	Y	Absent		-
L2452911-06A	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		ARCHIVE()
L2452911-06B	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		TCLP-EXT-ZHE(14)
L2452911-06Y	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L2452911-06Z	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L2452911-07A	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		-
L2452911-07B	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		-
L2452911-07Y	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		-
L2452911-07Z	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		-
L2452911-08A	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		-
L2452911-08B	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		-
L2452911-08W	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		-
L2452911-08X	Amber 1000ml unpreserved Extracts	A	NA		3.1	Y	Absent		-
L2452911-09A	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		ARCHIVE()
L2452911-09B	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		TCLP-EXT-ZHE(14)
L2452911-09Y	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L2452911-09Z	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L2452911-10A	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2452911-10B	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		PH-9045(1),NYTCL-8082(365)
L2452911-10W	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2452911-10X	Amber 1000ml unpreserved Extracts	A	NA		3.1	Y	Absent		PEST-TCLP*(14),HERB-TCLP*(14),TCLP-8270-RVT(14)
L2452911-10X9	Tumble Vessel	A	NA		3.1	Y	Absent		-

Project Name: EV CHARGERS PROJECT SUPPORT
Project Number: 12574234

Lab Number: L2452911
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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 21

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>9/14/24</u>																																																																																																																																																																																																															
		Project Information Project Name: <u>EV Chargers Project Support - Brooklyn</u> Project Location: <u>222 Murgun Ave, Brooklyn, NY 11237</u> Project # <u>12574234</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ PO # ☐ Other																																																																																																																																																																																																																	
		Client Information Client: <u>GHD</u> Address: _____ Phone: <u>(716)-205-1888</u> Fax: _____ Email: <u>Christopher.Arcuri@ghd.com</u> These samples have been previously analyzed by Alpha ☐		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: _____ ☐ NJ ☐ NY ☐ Other: _____																																																																																																																																																																																																															
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Attachment 2

Geotechnical Report – Yu & Associates

GEOTECHNICAL ENGINEERING REPORT

for

Frito Lay EV Infrastructure Project Utility Vault

Prepared for:

GHD Engineering, Architecture & Construction Services
285 Delaware Avenue Suite 500
Buffalo, NY 14202

October 29, 2024
YU Project No. 24081



611 River Drive, 3rd Floor, Elmwood Park, NJ 07407

Tel: 201-791-0075 • Fax: 201-791-4533

A handwritten signature in black ink, appearing to read 'Shenghao Li'.

Shenghao Li, P.E.
New York P.E License No. 105370



A handwritten signature in blue ink, appearing to read 'Christopher H. Akil'.

Christopher H. Akil, P.E.
New York P.E License No. 068754

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APPENDIX B	YU SOIL DESCRIPTION GUIDE
APPENDIX C	EXISTING GROUNDWATER INFORMATION
APPENDIX D	LABORATORY TESTING RESULTS

1 INTRODUCTION

YU & Associates (YU) presents this Geotechnical Engineering Report to GHD Engineering (GHD) for a new utility vault as part of the Electric Vehicle (EV) charging station infrastructure project at 222 Morgan Ave in Brooklyn, New York. This report presents findings from the geotechnical subsurface investigation, geotechnical design parameters, and geotechnical considerations for the installation of the utility vault. Our work was performed in general accordance with our proposal submitted to GHD on May 1, 2024.

2 SITE DESCRIPTION AND PROPOSED CONSTRUCTION

The project site is located at 222 Morgan Ave in Brooklyn, New York, as shown on Figure 1 - Site Location Map. Based on the United States Geological Survey (USGS) topographic maps, existing ground surface elevations at the site generally range between elevation (el) +11 and el +12 feet. All elevations in this report are referenced to North American Vertical Datum of 1988 (NAVD88) in units of feet, unless noted otherwise.

The proposed utility vault will be located in northwest corner of the existing parking lot adjacent to Morgan Avenue. Based on information provided by the structural engineer (Burns & McDonnell) at the time of this report, the utility vault dimensions are 12.5 feet in length and 9.5 feet in width. Bottom of the utility vault will be at 12.5 feet below existing ground surface.

3 SUBSURFACE INVESTIGATION

A geotechnical subsurface investigation was performed on September 19, 2024, by Aquifer Drilling & Testing Inc. (ADT) under the full-time inspection of YU. The subsurface investigation included one (1) geotechnical boring, designated as BH-1. Boring was drilled to 52 feet below existing ground surface. Approximate location of the boring is shown in Figure 2 - Boring Location Plan.

The boring was advanced using a Geoprobe 7822DT rig using mud rotary drilling techniques, an automatic hammer, a 3.875-inch diameter tri-cone roller bit and 4-inch diameter steel casings. Standard Penetration Tests (SPT) samples were taken continuously to a depth of about 27 feet and at 5 feet intervals thereafter using a 2-inch diameter split-spoon sampler in accordance with ASTM-D1586. The N-value for the soil at each 24-inch SPT sampling interval is the sum of the blow counts for the second and third 6-inch increments. Representative samples from each split-spoon sampling interval were classified in the field and retained for further evaluation, as necessary. Soil samples were classified in accordance with the Burmister Soil Identification System, with associated Unified Soil Classification System (USCS) symbols and New York City Building Code (NYCBC) Soil Class designations. Other pertinent information assessed includes natural color, mottling, texture, moisture, odor, organics. As-drilled boring location was measured from permanent site features such as curb, edge of pavement and existing structures. Ground surface elevation at the boring location was estimated using the USGS maps.

Upon completion of drilling, the boring was backfilled with bentonite cement mix and the surface was restored to its original condition. Soil cuttings and drilling fluid were placed in a 55-gallon drum and stored on-site (to be tested and disposed by others). Copies of boring log are included in Appendix A.

4 SUBSURFACE CONDITION

General subsurface conditions encountered are described below in order of increasing depth. Detailed descriptions of each sample are provided on the boring logs. As an aid for interpretation, Soil Description Guides are provided in Appendix B.

4.1 Cover Material

Boring BH-1 was advanced through 8 inches of concrete pavement.

4.2 Stratum F – Fill (NYCBC Class 7)

Below surface cover, fill was encountered in boring BH-1 and generally consists of coarse to fine sand with varying amount of silt and gravel. Glass, plastic, wood/fibers, brick fragments, and construction debris were encountered occasionally in this stratum. Slight organic odor was noted at the bottom of this stratum. SPT N-values ranged from about 9 to 21 blows per foot (bpf), indicating loose to medium dense condition. This stratum includes soils classified as SM per USCS and is designated as NYCBC Class 7. The fill layer extends to about 14.5 feet below ground surface (fbgs).

4.3 Stratum O – Organic (NYCBC Class 6)

Below the fill layer, an organic layer was encountered and generally consists of organic silt and clay with varying amount of coarse to fine sand and peat. Root fibers were observed frequently in this stratum. SPT N-value was recorded as 12 bpf, the relative density of this stratum was determined to be stiff. This stratum includes soils classified as OH per USCS and is designated as NYCBC Class 6. Stratum O was encountered at a depth of 14.5 to 17 fbgs and about 2.5 feet in thickness.

4.4 Stratum S – Glacial Sand (NYCBC Class 3b, 3a)

Below the organic layer, glacial sand was encountered and generally consists of coarse to fine sand mixed with varying amounts of gravel and silt. SPT N-values ranged from 5 to 39 bpf, indicating loose to dense conditions. This stratum includes soils classified as SP and SM per USCS and designated as NYCBC Class 3a, 3b and 6. Boring BH-1 was terminated in this stratum at 52 fbgs.

4.5 Groundwater

Based on groundwater data from existing monitoring wells, the groundwater table at the proposed utility vault location is about 9 feet below existing ground surface.

Groundwater data is referenced from *Table 1: Groundwater Elevation Data* and *Figure 3 – Groundwater Elevations, Contours, and Presumed Flow Direction* prepared by GHD. Table 1 and Figure 3 referenced are presented in Appendix C.

In general, groundwater levels will vary depending on tidal fluctuations, local subsurface conditions, variations in rainfall, climatic trends, drainage conditions and other factors.

4.6 Geotechnical Laboratory Testing

Geotechnical laboratory testing was conducted on representative soil samples to determine the physical/index characteristics and corrosion potential. Testing was performed in accordance with applicable ASTM standard test methods by TerraSense, LLC in Totowa, NJ. The following laboratory tests were performed on representative soil samples.

• Moisture Content	ASTM D 2216
• Atterberg Limits	ASTM D 4318
• Grain Size Analysis	ASTM D 6913
• Organic Content	ASTM D 2974
• pH	AASHTO T289
• Sulfate	AASHTO T290
• Chloride	AASHTO T291

Laboratory test results and corrosion test results of soil samples are summarized below in Table 1 and Table 2, respectively. Details of the laboratory results are presented in Appendix D. In the event the laboratory test results differed from the field description, the laboratory test results appear in parenthesis below the field descriptions on the boring logs.

Table 1 – Summary of Laboratory Test Data

Boring	Sample	Depth	Water Content (%)	Liquid Limit	Liquid Limit (oven dried)	Plastic Limit	Plastic Index	USCS Symbol	Sieve Minus No. 200 (%)	Organic Content (%)
BH-1	S-6	15-17	72.7	119	54	54	75	OH	-	13.4
BH-1	S-7	17-19	17.1	-	-	-	-	SM	38	-
BH-1	S-9	21-23	10.8	-	-	-	-	SM	26	-

Table 2 – Summary of Corrosion Test Results

Boring ID	Sample	Depth (ft)	pH		Leachable Chloride mg/kg (ppm)	Leachable Sulfate mg/kg (ppm)
			pH	Temp. (°C)		
BH-1	S-1	6-8	7.6	21.6	151	3540
BH-1	S-4	12-14	7.1	20.9	93	10

5 RECOMMENDED SOIL PARAMETERS

Based on the test boring data, field SPT-N values and engineering judgement, recommended soil design parameters are summarized below in Table 3.

Table 3 – Summary of Soil Design Parameters

Soil Stratum	Internal Friction Angel (ϕ , °), Cohesion (c, psf)	Allowable Bearing Pressure (tsf)	Moist Unit Weight (γ_m , pcf)	Lateral Earth Pressure Coefficient (Rankine)		
				At-Rest (K_o)	Active (K_a)	Passive (K_p)
Fill	30°	2	120	0.5	0.33	3.0
Organic	c=1500 psf	1.5	100	1	1	1
Glacial Sand	33°	4	125	0.46	0.29	3.39

6 RECOMMENDATIONS

Based on provided information of the proposed utility vault, the bottom of the vault will be at 12.5 feet below existing ground surface. It is recommended that the bottom of the proposed utility vault be situated in Stratum F – Fill. The recommended maximum allowable bearing capacity in the fill layer is 2 tons per square feet (tsf). Anticipated settlement is expected to be negligible under the new proposed loads of the utility vault (Dead Load: 96 kips and Live Load: 12 kips). The utility vault shall be designed so that the deadload of the utility vault shall be sufficient to counteract a buoyant uplift force with a safety factor of 3.

The existing fill should be removed to a depth of at least 1 foot below the proposed bottom of the utility vault and replaced with ¾-inch Crushed Stone wrapped in non-woven filter fabric (Mirafi 160N or equivalent) and Biaxial Geogrid BX-1500. Laterally, the fill shall be removed at least 2 feet from the outside edge of the vault. Prior to placement of ¾-inch Crushed Stone, the subgrade must be proof compacted to densify the existing fill.

Proposed utility vault should not impose loads on the existing utilities or any other nearby existing structures. The influence line is defined as 1 to 1 slope from the edge of the existing structure footings. The base level of the adjacent structures shall be verified by the contractor.

Groundwater table is at about 9 feet below existing ground surface and dewatering is anticipated during excavation. Groundwater levels will vary depending on tidal fluctuations, local subsurface conditions, variations in rainfall, climatic trends, drainage conditions and other factors.

Corrosion test results indicate high concentration of sulfate in the fill. We recommend that type V sulfate resistant cement be used in the concrete.

7 CONSTRUCTION CONSIDERATIONS

7.1 Earthwork and Subgrade Preparation

Soft materials, boulders, metals, concrete block and other large debris if noted at the subgrade level should be removed and replaced with $\frac{3}{4}$ -Crushed Stone. All exposed subgrades should be compacted prior to the placement of the Crushed Stone. Smaller compaction equipment may be used where access and maneuvering space is limited. Any area exhibiting weaving, rutting or any sign of instability under the action of the compactor should be over-excavated and backfilled with $\frac{3}{4}$ -inch Crushed Stone.

7.2 Excavation Support

It is anticipated that excavations will be performed to install the proposed utility vault and other underground structures associated with the system. As such, temporary support of excavation (SOE) such as shoring or excavation slopes may be necessary for construction of the below-grade structures. Applicable local, state, and federal regulations for temporary SOE shall be installed in accordance with current OSHA Excavation and Trench Safety Standards. Excavations must also be performed in a manner that to avoid damage to or undermining of existing structures or utilities. The lateral earth pressure coefficients listed in Table 3 – Summary of Soil Design Parameters can be used for the design of the SOE. Excavation support system(s) should be designed by a Professional Engineer Licensed in the State of New York. Dewatering is anticipated during the excavation. In general, construction activities should not adversely impact the adjacent structures.

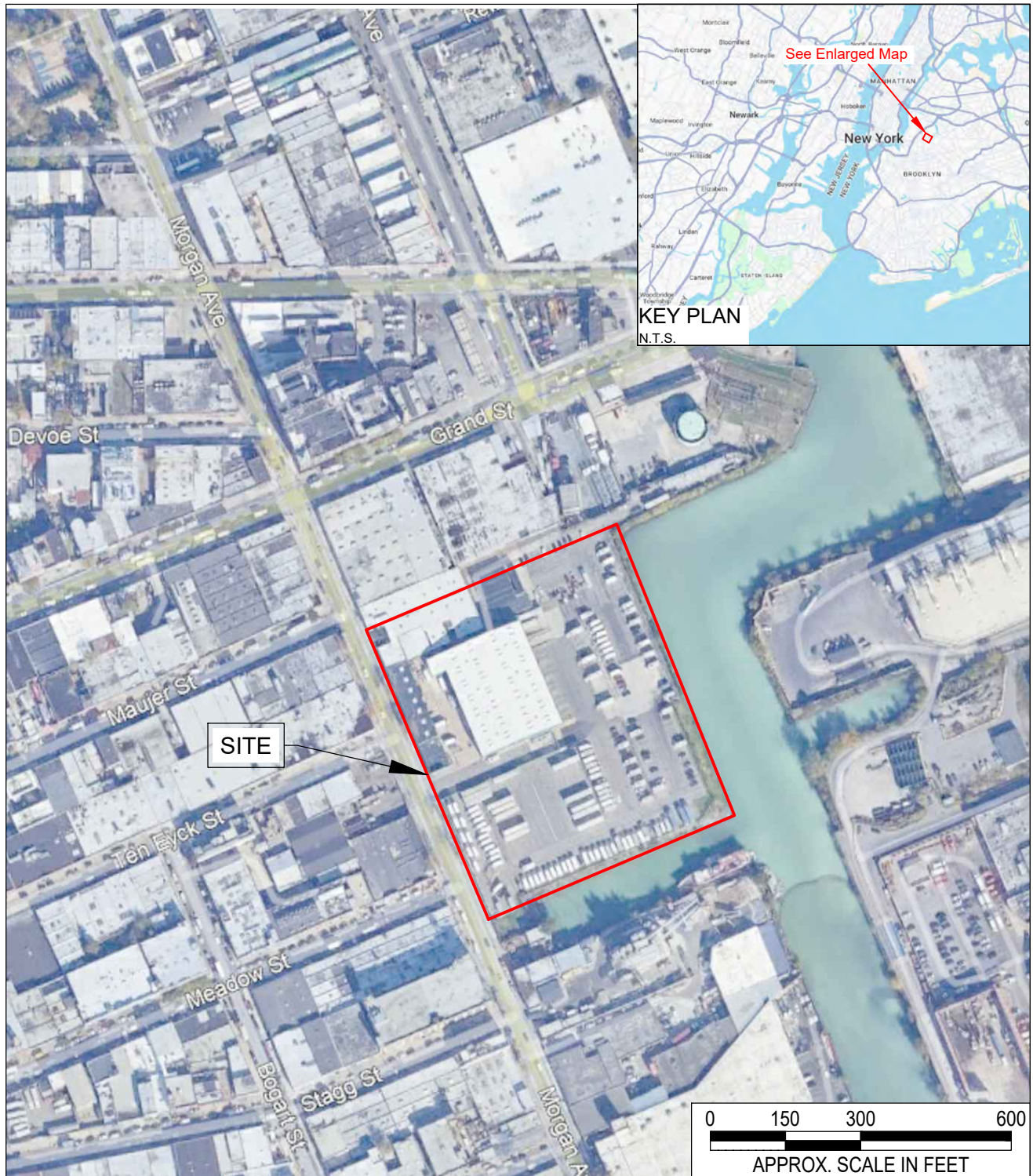
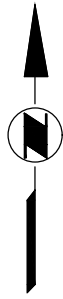
7.3 Special Inspection

All geotechnical related earthwork, subgrade preparation, foundation construction, excavation support etc. shall be inspected by special inspectors. The special inspector should be familiar with the subsurface conditions of the project site and the design intent of the proposed construction. In-situ density testing should be performed to verify the proper placement of the compacted fill and backfill. If in-situ density tests indicate that specified relative compaction of 95% or higher per ASTM D1557 has not been achieved, the lift should be reworked until the required density has been achieved. Any subgrade should be compacted to 95% or higher per ASTM D1557.

8 LIMITATIONS

The presentations given in this report are based upon the subsurface information obtained during this current investigation and our present understanding of the project. It should be noted that the actual subsurface conditions between borings/test locations and at other locations around the site may vary from those indicated on the boring logs and subsurface profiles. This report only discloses geotechnical information obtained during the field investigation. No investigation has been performed to assess or evaluate any potential environmental concerns.

FIGURES



Map Reference: 2024 Google Maps

YU & Associates Engineers, P.C.
Geotechnical, Environmental and Civil Engineering

611 River Drive, 3rd Floor
Elmwood Park, NJ 07407

Tel: (201) 791-0075
Fax: (201) 791-4533

SITE LOCATION MAP
FRITO LAY EV INFRASTRUCTURE
PROJECT - UTILITY VAULT

222 MORGAN AVENUE

BROOKLYN

NEW YORK

JOB NO.: 24081

SCALE: As Shown

DATE: 9/11/2024

FIG.

1

P:\24\24081 (Frito Lay EV Charger Brooklyn)\CAD\FigModel\24081 - Fig 2 - Boring Location Plan.dwg Oct 03, 2024 - 3:07pm mchlin



NOTES:

1. BORING BH-1 WAS DRILLED ON SEPTEMBER 19, 2024 BY AQUIFER DRILLING & TESTING INC. (ADT) UNDER THE FULL TIME INSPECTION OF YU & ASSOCIATES.
2. EXISTING MONITORING WELL LOCATIONS SHOWN ARE APPROXIMATE AND BASED ON DRAWING TITLED "FIGURE 3 - GROUNDWATER ELEVATIONS, CONTOURS, AND PRESUMED FLOW DIRECTION", PREPARED BY GHD ON JULY 23, 2021.
3. BORING LOCATION SHOWN IS BASED ON FIELD MEASUREMENTS FROM PERMANENT SITE FEATURES AND IS APPROXIMATE.
4. THE BASE PLAN FOR THIS BORING LOCATION PLAN WAS REFERENCED FROM GOOGLE EARTH (2024).

LEGEND:



LOCATION OF BORING



EXISTING GROUNDWATER MONITORING WELL (BY OTHERS)

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Geotechnical, Environmental and Civil Engineering

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**BORING LOCATION PLAN
FRITO LAY EV INFRASTRUCTURE
PROJECT - UTILITY VAULT**

222 MORGAN AVENUE

BROOKLYN

NEW YORK

JOB NO.: 24081

SCALE: As Shown

DATE: 9/25/2024

FIG. 2

APPENDIX A

Boring Logs



& Associates

PROBE LOG

PROBE NUMBER: **BH-1**

SHEET NUMBER: 1 of 3

PROJECT NUMBER: **24081**

PROJECT: **Frito Lay EV Infrastructure Project - Utility Vault**
LOCATION: **222 Morgan Ave, Brooklyn, New York**
CLIENT: **GHD Engineering, Architecture & Construction Services**
CONTRACTOR: **Aquifer Drilling & Testing Inc.**

DRILLER: **R. Timms**
INSPECTOR: **M. Chin**

DRILLING METHOD: **Mud Rotary**
RIG TYPE: **Geoprobe 7822DT**

LOCATION: **See Plan**
SURFACE ELEV.: **11.5± feet**

☐ surveyed
☒ estimated from: USGS Spot Elevation Tool

DATUM: **NAVD88**

START DATE: **9/19/24** TIME: **8:17 am**
FINISH DATE: **9/19/24** TIME: **2:00 pm**

Type/Symbol	Casing	Split Spoon	Shelby Tube	Split Spoon	Grab	Core Barrel	Backfill Type: Holeplug
I.D.	HW	S ☒	U ☐	SS ☒	G ☒	C ☐	Observation Well Installed ☐ YES ☒ NO
O.D.	4.0"	1.375					Estimated Groundwater Level <u>9 feet</u>
Length	4.5"	2					Based On ☐ Soil Moisture
Hammer Wt.	15'	24					☐ Mud Level
Hammer Fall	140 lbs	140	Hammer Type		Drill Rod Size (OD)		☐ Observation Well Reading
	30"	30	Automatic		2.625"		NOTES: <u>Groundwater level is estimated based on data from existing monitoring wells</u>

DEPTH (feet)	GRAPHIC LOG	CASING (Blows/ft) CORING (Min./ft)	SAMPLE			SPT (Blows/6 in.)					FIELD CLASSIFICATION AND REMARKS			
			TYPE	NUMBER	SYMBOL	DEPTH (feet)	0"-6"	6"-12"	12"-18"	18"-24"			REC. (in.)	
							CORING							
							RUN (in.)	REC (in.)	REC (%)	L>4 (in.)			RQD (%)	
Depth												Elev.		
5		24										0.7	8" Concrete.	10.8
		27												
		37	G	1		0.0 - 6.0	G	R	A	B			Brown c-f SAND, some c-f Gravel, some Silt, occasional metal, plastic, brick, glass fragments, moist, (SM), (FILL NYCBC Class 7).	
		26												
		32												
10		28												
		16	S	1		6.0 - 8.0	5	8	8	10	16		Dark brown c-f SAND, some c-f Gravel, some Silt, occasional brick, glass, root fibers, moist, (SM), (FILL NYCBC Class 7).	
		24												
		44	S	2		8.0 - 10.0	12	12	9	13	4		Dark brown c-f SAND, some Silt, little c-f Gravel, frequent brick fragments, wet, (SM), (FILL NYCBC Class 7).	
		61												
		10	S	3		10.0 - 12.0	12	8	3	3	0		No sample recovery, used a 3" split-spoon sampler, no sample recovery.	
		21												
		39	S	4		12.0 - 14.0	3	4	5	4	13		Dark brown c-f SAND, little c-f Gravel, little Clayey Silt, organic odor, occasional brick fragments, wet, (SM), (FILL NYCBC Class 7).	
		96	S	5		14.0 - 14.2	50/2"				0		14.5 No sample recovery, drill to 15'.	-3.0
		PUSH												

PROBES LOGS SCA 24081 DATABASE.GPJ 24081 LIBRARY.GLB 10/24/24



& Associates

PROBE LOG

(continued)

PROBE NUMBER: **BH-1**

SHEET NUMBER: 2 of 3

PROJECT NUMBER: **24081**

PROJECT: **Frito Lay EV Infrastructure Project - Utility Vault**

LOCATION: **222 Morgan Ave, Brooklyn, New York**

CLIENT: **GHD Engineering, Architecture & Construction Services**

CONTRACTOR: **ADT**

DRILLER: **R. Timms**

INSPECTOR: **M. Chin**

DEPTH (feet)	GRAPHIC LOG	CASING (Blows/ft) CORING (Min./ft)	SAMPLE			SPT (Blows/6 in.)					FIELD CLASSIFICATION AND REMARKS		
			TYPE	NUMBER	SYMBOL	DEPTH (feet)	0"-6"	6"-12"	12"-18"	18"-24"			REC. (in.)
							CORING						
							RUN (in.)	REC (in.)	REC (%)	L>4 (in.)			RQD (%)
Depth												Elev.	
20			S	6*	/	15.0 - 17.0	29	9	3	5	10	Dark brown Organic Clayey SILT, some c-f Sand, organic odor, frequent peat fibers, wet, (OL), (NYCBC Class 6). (Dark Brown organic CLAY, some c-f Sand, organic odor, frequent fibers, wet, (OH), NYCBC 6).	
			S	7*	/	17.0 - 19.0	3	2	3	9	7	Light brown m-f SAND, some Clayey Silt, trace c-f Gravel, wet, (SM), (NYCBC Class 6). (Light brown m-f SAND, and Clayey Silt, trace f Gravel, wet, (SM), NYCBC 6).	
			S	8	/	19.0 - 21.0	7	8	6	9	14	Light brown m-f SAND, some Clayey Silt, little c-f Gravel, wet, (SM), (NYCBC Class 3a).	
			S	9*	/	21.0 - 23.0	9	9	28	11	15	Light brown m-f SAND, some Silt, trace c-f Gravel, wet, (SM), (NYCBC Class 3a). (Light brown m-f SAND, some Silt, little c-f Gravel, wet, (SM), NYCBC 3a).	
			S	10	/	23.0 - 25.0	7	14	10	18	11	Brown m-f SAND, some Silt, little c-f Gravel, wet, (SM), (NYCBC Class 3b).	
			S	11	/	25.0 - 27.0	37	23	16	13	11	Brown m-f SAND, some Silt, some c-f Gravel, wet, (SM), (NYCBC Class 3a).	
					S	12	/	30.0 - 32.0	8	13	11	12	5
35													
		S	13	/	35.0 - 37.0	9	10	9	8	3	Brown m-f SAND, trace c Gravel, trace Silt, wet, (SP), (NYCBC Class 3b).		

PROBES LOGS SCA 24081 DATABASE.GPJ 24081 LIBRARY.GLB 10/24/24



& Associates

PROBE LOG

(continued)

PROBE NUMBER: **BH-1**

SHEET NUMBER: 3 of 3

PROJECT NUMBER: **24081**

PROJECT: **Frito Lay EV Infrastructure Project - Utility Vault**

LOCATION: **222 Morgan Ave, Brooklyn, New York**

CLIENT: **GHD Engineering, Architecture & Construction Services**

CONTRACTOR: **ADT**

DRILLER: **R. Timms**

INSPECTOR: **M. Chin**

DEPTH (feet)	GRAPHIC LOG	CASING (Blows/ft) CORING (Min./ft)	SAMPLE				SPT (Blows/6 in.)					FIELD CLASSIFICATION AND REMARKS	
			TYPE	NUMBER	SYMBOL	DEPTH (feet)	0"-6"	6"-12"	12"-18"	18"-24"	REC. (in.)		
							CORING						
							RUN (in.)	REC (in.)	REC (%)	L>4 (in.)	RQD (%)		
												Depth	Elev.
40													
45													
50													

PROBES LOGS SCA 24081 DATABASE.GPJ 24081 LIBRARY.GLB 10/24/24

APPENDIX B

Soil Description

Gradation of Coarse Grained Components			
Soil Component	Size Range	Particle Size	
		Minimum	Maximum
Boulders		12"	----
Cobbles		3"	12"
Gravel{	Coarse (c)	3/4"	3"
	Fine (f)	No. 4	3/4"
	Coarse (c)	No. 10	No. 4
Sand{	Medium (m)	No. 40	No. 10
	Fine (f)	No. 200	No. 40
Silt & Clay		----	No. 200

Composition of Coarse-Grained Components			
Gradation Designation	Symbol	Defining Proportions	
Coarse to Fine	c-f	All fractions greater than 10% of the component, but the medium component predominates.	
Coarse to medium	c-m	Less than 10% fine	
Medium to Fine	m-f	Less than 10% coarse	
Coarse	c	Less than 10% fine and medium	
Medium	m	Less than 10% coarse and fine	
Fine	f	Less than 10% coarse and medium	

Proportions for Coarse-Grained Components			
Component	Identification	Identifying Portion	Defining Range by % Weight
Principal Component	Gravel	Principal Component	50% or More
(All Capitals)		and	35% to 50%
Minor Component	Sand	some	20% to 35%
(Proper Caps)		little	10% to 20%
	Silt	trace	1% to 10%

Unified Soil Classification Symbol (USCS)			
Visual-manual identification, see ASTM Designation D2488			
Major Divisions		Symbol	Typical Names
Coarse-Grained Soils More than 50% retained on No. 200 sieve	Gravels 50% or more of coarse fraction retained	GW	Well-graded gravels and gravel-sand mixtures, little or no fines
		GP	Poorly graded gravels and gravel-sand mixtures, little or no fines
		GM	Silty gravels, gravel-sand-silt mixtures
		GC	Clayey gravels, gravel-sand-clay mixtures
	Sands More than 50% of coarse fraction	SW	Well-graded sands and gravelly sands, little or no fines
		SP	Poorly graded sands and gravelly sands, little or no fines
		SM	Silty sands, sand-silt mixtures
		SC	Clayey sands, sand-clay mixtures
	Sands with 50% or less of coarse fraction	ML	Inorganic silts, very fine sands, rock flour, or clayey silts with slight plasticity
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
		OL	Organic silts and organic silty clays of low plasticity
		MH	Inorganic silts, micaceous or diataceous fine sands or silts, elastic silts
Fine-Grained Soils 50% or more passes No. 200 sieve	Silt and Clays Liquid limit greater than 50%	CH	Inorganic clays of high plasticity, fat clays
		OH	Organic clays of medium to high plasticity
	Silt and Clays Liquid limit 50% or less	PT	Peat, muck, and other highly organic soils

Identification of Fine-Grained Soils			
Overall Plasticity	Plasticity Index	Identification Principal Component	Identification Minor Component
Non-Plastic	0	SILT	-
Slight	1 to 5	CLAYEY SILT	Clay
Low	5 to 10	SILT & CLAY	Clay
Medium	10 to 20	CLAY & SILT	Silt
High	20 to 40	Silty Clay	Silt
Very High	40 and Greater	CLAY	-

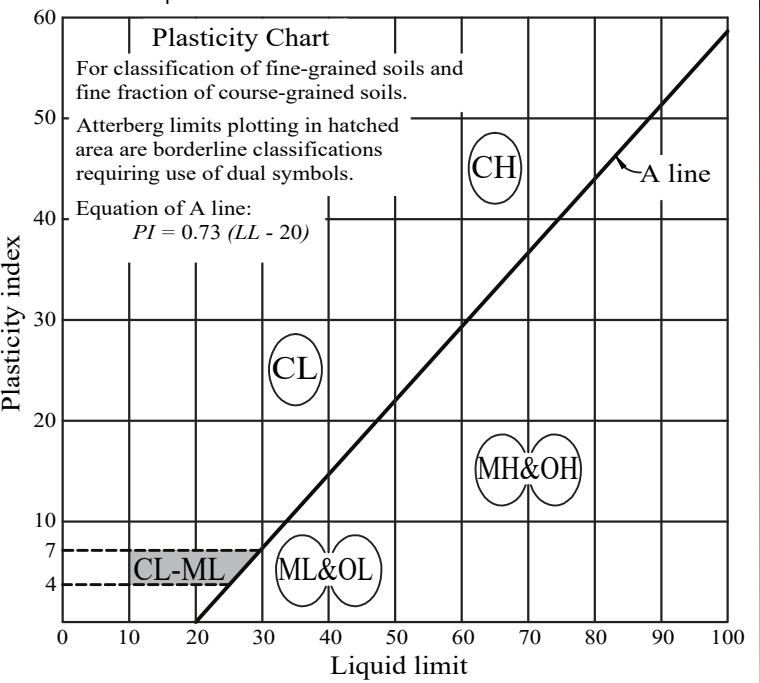
Clay Consistency		
Clay Consistency	SPT, N Blows/ft.	Undrained Shear Strength c (PSF)
Very Soft	<2	250
Soft	2 to 4	250-500
Medium Stiff	4 to 8	500-1000
Stiff	8 to 15	1000-2000
Very Stiff	15 to 30	2000-4000
Hard	>30	>4000

Standard Soil Description Guide	
YU & Associates Geotechnical, Environmental and Civil Engineering	
Variations in Soil Stratigraphy	
Descriptive Term	Thickness or Configuration
Parting	0 to 1/16 inch thickness
Layer	1/2 to 12 inch thickness
Stratum	Greater than 12 inch thickness
Pocket	Small erratic deposit usually less than 1 foot
Varved Clay	Alternating partings, seams, or layers of sand, silt and clay
Occasional	One or less per foot of thickness
Frequent	More than one per foot of thickness
Stratified	Alternating layers of varying material or color with layers at least 1/4 inch thick
Lensed	Inclusion of small pockets of different soils, such as small lenses of sand scattered through a mass of clay; note thickness

Soil Property / Drilling and Sampling Symbols	
Symbol	Interpretation
SPT, N	Standard Penetration Test Value: blows per foot of a 140 lb hammer falling 30" on a 2" O.D. split-spoon (ASTM D1586)
PP	Pocket Penetrometer value, unconfined compressive strength, TSF
▼	Apparent groundwater level at time noted after completion of boring
NR	No Recovery
NE	Not Encountered

Coarse-Grained Relative Density		
Soil Type	SPT, N Value (Blows/ft)	Typical Relative Density (%)
Very loose sand	4	0 to 15
Loose sand	4 to 10	15 to 35
Medium dense sand	10 to 30	35 to 65
Dense sand	30 to 50	65 to 85
Very dense sand	50	85 to 100

Classification Criteria	
Classification on basis of percentage of fines Less than 5% pass No. 200 sieve - GW, GP, SW, SP More than 5% pass No. 200 sieve - GM, GC, SM, SC 5% to 12% pass No. 200 sieve - Borderline classification requiring use of dual symbols	Cu = D60 / D10 Greater than 4 Cc = (D30)*2 / (D10 X D60) Between 1 and 3
	Not meeting both criteria for GW
	Atterberg limits plot below "A" line or plasticity index less than 4 Atterberg limits plotting in hatched area are borderline classifications requiring use of dual symbols
	Atterberg limits plot above "A" line and plasticity index greater than 7 Cu = D60 / D10 Greater than 6 Cc = (D30)*2 / (D10 X D60) Between 1 and 3
	Not meeting both criteria for SW
	Atterberg limits plot below "A" line or plasticity index less than 4 Atterberg limits plotting in hatched area are borderline classifications requiring use of dual symbols
	Atterberg limits plot above "A" line and plasticity index greater than 7



APPENDIX C
Existing Groundwater Information



Table 1: Groundwater Elevation Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-1	2009	Top of PVC	9.93	-	-	1.74	-
	2011			-	-	1.54	-
	5/14/2014			9.07	16.33	0.86	1.16
	6/4/2015			9.74	16.38	0.19	1.06
	5/26/2016			9.55	16.24	0.38	1.07
	5/22/2017			9.24	16.93	0.69	1.23
	5/30/2018			9.06	16.93	0.87	1.26
	12/19/2018			5.11	16.93	4.82	1.89
	5/30/2019			9.41	16.93	0.52	1.20
	7/20/2020			9.22	16.93	0.71	1.23
	5/27/2021			9.53	16.93	0.40	1.18
MW-2R	2009	Top of PVC	10.26	-	-	2.71	-
	2011			-	-	0.40	-
	7/4/2015			9.75	17.92	0.51	1.31
	6/4/2015			9.69	17.92	0.57	1.32
	5/26/2016			10.22	17.61	0.04	1.18
	5/22/2017			9.53	17.95	0.73	1.35
	5/30/2018			10.42	17.95	-0.16	1.20
	12/19/2018			4.90	17.95	5.36	2.09
	5/30/2019			10.19	17.95	0.07	1.24
	7/20/2020			9.75	17.95	0.51	1.31
	5/27/2021			10.21	17.95	0.05	1.24
MW-4	2009	Top of PVC	10.22	-	-	2.04	-
	2011			-	-	0.54	-
	5/14/2014			9.91	16.48	0.31	1.05
	6/4/2015			10.50	16.45	-0.28	0.95
	5/26/2016			10.76	16.28	-0.54	0.88
	5/22/2017			10.15	16.60	0.07	1.03
	5/30/2018			9.83	16.60	0.39	1.08
	12/19/2018			2.72	16.60	7.50	2.22
	5/30/2019			9.90	16.60	0.32	1.07
	7/20/2020			9.10	16.60	1.12	1.20
	5/27/2021			10.70	16.60	-0.48	0.94



Table 1: Groundwater Elevation Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-5	2009	Top of PVC	10.77	-	-	1.76	-
	2011			-	-	-0.80	-
	5/14/2014			11.01	18.69	-0.24	1.23
	6/4/2015			9.91	18.60	0.86	1.39
	5/26/2016			12.65	18.58	-1.88	0.95
	5/22/2017			11.25	18.70	-0.48	1.19
	5/30/2018			10.46	18.70	0.31	1.32
	12/19/2018			1.96	18.70	8.81	2.68
	5/30/2019			10.76	18.70	0.01	1.27
	7/20/2020			11.10	18.70	-0.33	1.22
	5/27/2021			11.31	18.70	-0.54	1.18
MW-6	2009	Top of PVC	10.22	-	-	1.11	-
	2011			-	-	0.80	-
	5/14/2014			10.36	17.05	-0.14	1.07
	6/4/2015			10.81	17.08	-0.59	1.00
	5/26/2016			10.97	16.88	-0.75	0.95
	5/22/2017			10.55	17.10	-0.33	1.05
	5/30/2018			10.49	17.10	-0.27	1.06
	12/19/2018			2.40	17.10	7.82	2.35
	5/30/2019			10.13	17.10	0.09	1.12
	7/20/2020			10.54	17.10	-0.32	1.05
	5/27/2021			11.10	17.10	-0.88	0.96
MW-7	2009	Top of PVC	11.11	-	-	2.92	-
	2011			-	-	1.48	-
	5/14/2014			8.17	15.42	2.94	1.16
	6/4/2015			8.33	16.42	2.78	1.29
	5/26/2016			8.32	15.22	2.79	1.10
	5/22/2017			8.15	15.45	2.96	1.17
	5/30/2018			7.88	15.45	3.23	1.21
	12/19/2018			NM	NM	-	-
	5/30/2019			8.11	15.45	3.00	1.17
	7/20/2020			8.39	15.45	2.72	1.13
	5/27/2021			8.32	15.45	2.79	1.14
MW-8	2009	Top of PVC	11.43	-	-	2.50	-
	2011			-	-	2.32	-
	5/14/2014			8.85	14.45	2.58	0.90
	6/4/2015			8.92	14.45	2.51	0.88
	5/26/2016			8.70	14.20	2.73	0.88
	5/22/2017			8.88	14.60	2.55	0.92
	5/30/2018			8.61	14.60	2.82	0.96
	12/19/2018			NM	NM	-	-
	5/30/2019			8.40	14.60	3.03	0.99
	7/20/2020			8.74	14.60	2.69	0.94
	5/27/2021			9.31	14.60	2.12	0.85

DTW - depth to water

DOW - depth of well

DTW and DOW measurements taken prior to purging using an electronic water level meter

2009 and 2011 groundwater elevation information taken from the Site Management Plan prepared by Gannett Fleming (September 2013)

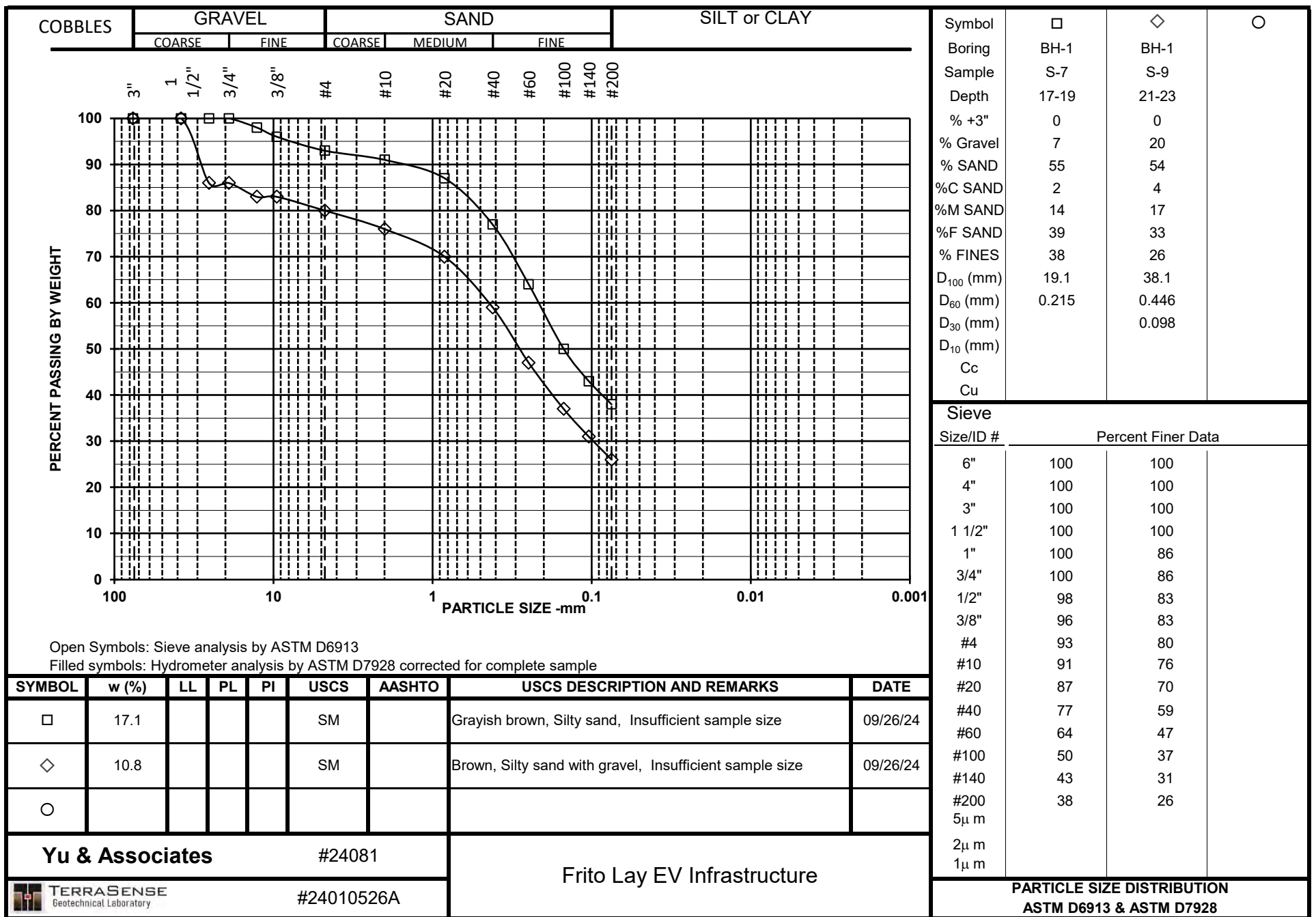
Reference elevations taken from as-built plan prepared by PS&S (August 21, 2013)

APPENDIX D
Laboratory Testing Results

Yu & Associates #24081
Frito Lay EV Infrastructure
LABORATORY TESTING DATA SUMMARY

BORING NO.	SAMPLE NO.	DEPTH (ft)	IDENTIFICATION TESTS									REMARKS
			WATER CONTENT (%)	LIQUID LIMIT natural (-)	LIQUID LIMIT ovendried (-)	LIQUID LIMIT ratio (-)	PLASTIC LIMIT (-)	PLAS. INDEX (-)	USCS SYMB. (1)	SIEVE MINUS NO. 200 (%)	ORGANIC CONTENT (burnoff) (%)	
BH-1	S-6	15-17	72.7	119	54	0.45	44	75	OH		13.4	
BH-1	S-7	17-19	17.1						SM	38		
BH-1	S-9	21-23	10.8						SM	26		

Note: (1) USCS symbol based on visual observation and Sieve and Atterberg limits reported.





TERRASENSE

Geotechnical Laboratory

45H Commerce Way, Totowa, NJ 07512
973.812.1818
terrasenselab.com

10/22/24

TerraSense Project Number: 24010526A2

Sheng Li
Project Manager
Yu & Associates, Inc.
200 Riverfront Boulevard
Elmwood Park, NJ 07407

Re: Laboratory Test Results for YU #24081 – Frito Lay EV Infrastructure (Corrosion)

The purpose of this letter is to present the results of the laboratory tests performed on the samples delivered to the TerraSense laboratory on 9/25/24. Testing was performed based on your assignment also dated 9/25/24.

Test Results

Test results are reported on the accompanying test pages.

Test Comments

Testing was performed in general accordance to the ASTM or other methods as listed on the test pages. Deviations from the test standards are noted on these pages.

Limitations

Our professional services for this project have been performed in accordance with generally accepted engineering practices; no other warranty, expressed or implied, is made.

Sample Disposition

If we do not receive other instructions from you within thirty days, this material will be disposed of.

If you have any questions concerning the test results reported in this letter, please call us.

Sincerely,

A handwritten signature in black ink, appearing to read "Drew Mazujian", is written over a horizontal line.

Drew Mazujian
Laboratory Manager

Attachment: (2 sheets)

Yu & Associates #24081
Frito Lay EV Infrastructure (Corrosion)
Summary of Corrosion Testing

SAMPLE ID			CHEMICAL TESTS				REMARKS
Boring No.	Sample No.	Depth (ft)	pH ASTM G51		Leachable Chloride (1) AASHTO T291 mg/kg (ppm)	Leachable Sulfate (1) AASHTO T290 mg/kg (ppm)	
			pH (pH units)	Temperature (°C)			
BH-1	S-1	6-8	7.6	21.6	151	3540	
BH-1	S-4	12-14	7.1	20.9	93	10	

KEY: (1) Test results provided by Testing Engineers International

Prepared by: MCT
Reviewed by: DM
Date: 10/22/2024



TERRASENSE
Geotechnical Laboratory

45H Commerce Way
Totowa, NJ 07512
(973) 812-1818

Project No. 24010526A
File: Corrosion - 7753(2)
Page 1 of 1

Attachment 3

TR4 Form

1 Location Information *Required for all applications.*

House No(s) 222 Street Name Morgan Avenue

Borough Brooklyn Block 2942 Lot 1 BIN 3338363 CB No. 301

Work on Floor(s) Apt/Condo No(s)

2 Applicant Information *Required for all applications.*

Last Name Akil First Name Christopher Middle Initial H

Business Name YU & Associates Engineers, P.C. Business Telephone (201)791-0075

Business Address 611 River Drive, 3rd floor Business Fax (201)791-4533

City Elmwood Park State NJ Zip 07407 Mobile Telephone (201)779-9879

E-Mail cakil@yu-associates.com License Number 068754

☒ P.E. ☐ R.A.

3 Required Borings / Test Pits *Required for all applications.*

Number of Test Pits as Required as per NYC Construction Codes: 1 Geotechnical Boring

4 Plot Diagram *Required for all applications.*

Draw in ink to indicate scale. Show building outline or extension and location of all borings and/or test pits by dimensions. Borings and/or test pits shall be distributed according to the NYC Construction Codes.



5	Test Report <i>Required for all applications.</i>
----------	--

Date	Boring/ Test Pit #	Feet Below Curb	Soil Description	Class Number	Remarks
9/19/24	BH-1	00.0 - 01.0	8" Concrete	-	
		01.0 - 06.0	Granular FILL	7	occ. metal, plastic, brick, glass.
		06.0 - 0.80	Granular FILL	7	occ. brick, glass, root fibers.
		08.0 - 11.0	Granular FILL	7	freq. brick.
		11.0 - 14.5	Granular FILL	7	organic odor, occ. brick.
		14.5 - 17.0	organic CLAY with c-f Sand	6	organic odor, freq. fibers.
		17.0 - 19.0	m-f SAND with Clayey Silt, f Gravel	6	
		19.0 - 21.0	m-f SAND with Clayey Silt, c-f Gravel	3a	
		21.0 - 23.0	m-f SAND with Silt, c-f Gravel	3a	
		23.0 - 25.0	m-f SAND with Silt, c-f Gravel	3b	
		25.0 - 28.5	m-f SAND with Silt, c-f Gravel	3a	
		28.5 - 33.5	c-f SAND with c-f Gravel, Silt	3b	occ. cobbles.
		33.5 - 38.5	m-f SAND with c Gravel, Silt	3b	
		38.5 - 43.5	m-f SAND with Silt	3b	
		43.5 - 48.5	m-f SAND with f Gravel, Silt	3b	
		48.5 - 52.0	m-f SAND with Silt	3b	

6	Statements and Signatures <i>Required for all applications.</i>
----------	--

I hereby state that the above information is correct and complete to the best of my knowledge and that the above tests were performed in accordance with all Administrative Code Provisions and Departmental Rules, Regulations and Directives.

Falsification of any statement is a misdemeanor and is punishable by a fine or imprisonment, or both.

It is unlawful to give to a city employee, or for a city employee to accept, any benefit, monetary or otherwise, either as a gratuity for properly performing the job or in exchange for special consideration. Violation is punishable by imprisonment or fine or both.

Name (please print)

Christopher H. Akil

10-24-2024

Signature

Date



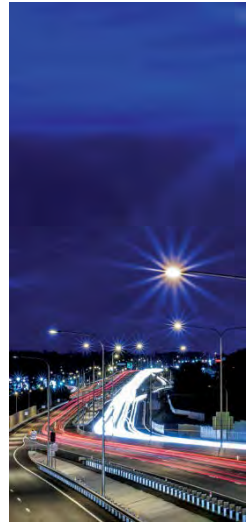
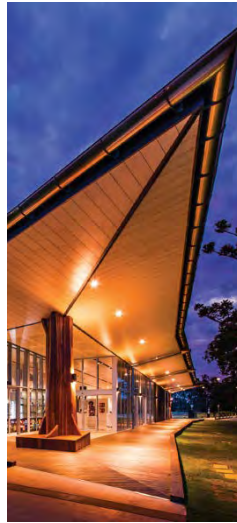
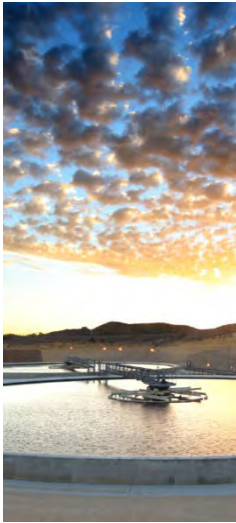
P.E. / R.A. S

over seal)

Approvals - Internal Use Only			
Examined and Recommended for Approval		Approved	
Examiner Name		Borough Commissioner Signature	Date
Signature	Date		

Appendix F

Periodic Review Reports 2016-2023



Periodic Review Report

202 – 218 Morgan Avenue BCP Site

(BCP Site #C224133)

November 22, 2016 to November 22, 2017 Reporting Period

Rolling Frito-Lay Sales, LP

GHD | One Remington Park Drive Cazenovia NY 13035 USA

8616480 | 370 | January 5, 2018



Executive Summary

The 202-218 Morgan Avenue Brownfield Cleanup Program (BCP) Site (BCP Site #224133) consists of approximately 2.85-acres of land located at 202-218 Morgan Avenue, Borough of Brooklyn, Kings County, New York. The Site owner is Rolling Frito-Lay Sales, LP (Frito-Lay). The Site soil and groundwater was historically found to be contaminated with metals, polychlorinated biphenyls (PCBs), semi-volatile organic compounds (SVOCs), and volatile organic compounds (VOCs), and Site soil vapor was found to be contaminated with volatile organic compounds (VOCs). The Site was remediated to industrial use cleanup standards and received a Certificate of Completion (COC) from the New York State Department of Environmental Conservation (NYSDEC) on November 6, 2013.

The Site is currently in the monitoring stage, including annual inspections and annual groundwater monitoring, with groundwater samples being collected from on-Site and off-Site monitoring wells. In general, increasing and decreasing concentrations are observed for the various parameters across the Site, with no distinct discernable trends recognizable at this time. However, off-Site groundwater monitoring well MW-7 appears to have a generally increasing trend in concentrations of chlorinated VOCs, with tetrachloroethene being detected above groundwater standards for the first time during the 2017 monitoring event. In addition, concentrations of trichloroethene, cis-1,2-dichloroethene, and vinyl chloride have historically been detected at concentrations above groundwater standards in samples taken from MW-7 and appear to further indicate a generally increasing trend in chlorinated VOC concentrations off-site. The concentrations of detected compounds in Site groundwater samples do not indicate the need for further assessment or further action at this time. It is noted that the Site groundwater quality could be influenced by the adjacent English Kills and/or upgradient groundwater for certain compounds.

The institutional controls and engineering controls for the Site remain in place and effective for protecting human health and the environment. The soil cover engineering controls remain in place and functioning as intended. At the time of the annual Site inspection (November 16, 2017), it was noted that minor woody vegetation growth should be removed from the stone rip-rap portion of the Site during regular maintenance and that woody growth should be monitored periodically as part of routine maintenance to determine if removal is required. Annual groundwater monitoring has been completed in accordance with the Site Management Plan (SMP). There are no new buildings constructed on-Site and the existing warehouse on the adjacent property to the north has not been expanded. As a result, there is no need for a sub-slab depressurization system (SSDS) engineering control. The institutional and engineering controls certification form, as issued by the Department, has been completed and included as Appendix A.

There is no need to revise the SMP or propose a change to the frequency of PRR submittals at this time. Groundwater will continue to be monitored on an annual basis and Site inspections will continue to be performed on an annual basis, in accordance with the SMP. If buildings are constructed in the future they will be evaluated to determine if mitigation of soil vapor intrusion is necessary. The requirements necessary to discontinue Site monitoring and Site Engineering and Institutional Controls have not been met at this time.



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Table 1 – Groundwater Elevation Data

Table 2 – Groundwater Field Parameter Data

Table 3 – Summary of Groundwater Sample Laboratory Analytical Results



Appendix Index

Appendix A	Institutional and Engineering Controls Certification Form
Appendix B	Annual Inspection Form
Appendix C	Approval Notifications for EQULS Database Submittals



1. Introduction

1.1 Purpose

This Periodic Review Report (PRR) is being submitted on behalf of Rolling Frito-Lay Sales, LP (Frito-Lay) for the 202-218 Morgan Avenue Brownfield Cleanup Program (BCP) Site (BCP Site No. C224133) located at 202-218 Morgan Avenue, Borough of Brooklyn, Kings County, New York (Figure 1). The purpose of this PRR, and attached documents, is to document that institutional and engineering controls, as described in the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP) and Environmental Easement (EE), are in place in accordance with 6NYCRR Part 375-3. The following elements are included in this report:

- A complete description of all institutional and/or engineering controls employed at the Site
- An evaluation of the plans developed for implementation of the engineering and institutional controls, regarding the continued effectiveness of any institutional and/or engineering controls required by the decision document for the Site
- A certification prepared by a professional engineer or qualified environmental professional that the institutional controls and/or engineering controls employed at the Site during the period are:
 - o Unchanged from the previous certification, unless approved by the Department, consistent with the SMP
 - o In place and effective
 - o Performing as designed, and that nothing has occurred that would (1) impair the ability of the controls to protect public health and the environment, or (2) constitute a violation or failure to comply with any operation and maintenance plan for such controls
- The institutional and engineering controls certification form as issued by the Department has been completed and included as Appendix A
- Data tables and figures depicting results of annual groundwater monitoring activities conducted on- and off-Site.

1.2 Certification Period

NYSDEC requested that this PRR cover the period between November 22, 2016 and November 22, 2017. During this period, Frito-Lay performed regular inspections of the soil cover engineering control on-Site. GHD Consulting Services Inc. (GHD), on behalf of Frito-Lay, performed annual groundwater monitoring, conducted an annual visual inspection of engineering controls on-Site, and prepared this PRR.



1.3 Scope and Limitations

This report has been prepared by GHD for Rolling Frito-Lay Sales, LP and may only be used and relied on by Rolling Frito-Lay Sales, LP for the purpose agreed between GHD and Rolling Frito-Lay Sales, LP as set out in section 1.1 of this report.

GHD otherwise disclaims responsibility to any person other than Rolling Frito-Lay Sales, LP arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

GHD has prepared this report based in part on information provided by Rolling Frito-Lay Sales, LP and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

The opinions, conclusions and any recommendations in this report are based on information obtained from, and testing undertaken at or in connection with, specific sample points. Site conditions at other parts of the Site may be different from the Site conditions found at the specific sample points.

Investigations undertaken in respect of this report are constrained by the particular Site conditions, such as the location of buildings, services and vegetation. As a result, not all relevant Site features and conditions may have been identified in this report.

Site conditions (including the presence of hazardous substances and/or Site contamination) may change after the date of this report. GHD does not accept responsibility arising from, or in connection with, any change to the Site conditions. GHD is also not responsible for updating this report if the Site conditions change without further authorization to do so by Rolling Frito-Lay Sales, LP.



2. Site Overview

The Site is located in the Borough of Brooklyn, Kings County, New York and is identified as Block 2942 and Lots 105, 111, and 112 on the NYSDEC Institutional and Engineering Controls Certification Form. Information obtained from the New York City Finance Department online Tax Maps identifies the Site as Block 2942 and Lot 105, with no matching records for Lots 111 and 112. The Site is approximately 3.23-acres of land, of which approximately 2.85-acres were entered into the BCP. The Site is bound by an adjacent parcel to the north owned by Rolling Frito-Lay Sales, LP and used for distribution activities; English Kills to the east; the English Kills basin and an adjacent industrial parcel to the south; and Morgan Avenue to the west with commercial and industrial properties further west (see Figure 2).

The Site is currently developed with an asphalt pavement parking area used for parking Frito-Lay delivery vehicles and employee vehicles. The portion of the Site not occupied by asphalt pavement consists of minor grass covered landscaping areas and rip-rap adjacent to English Kills and the English Kills basin.

The Remedial Investigation (RI), which was conducted under Brownfield Cleanup Agreement (BCA Index #A2-0622-0709) during 2009 and 2010, characterized the nature and extent of contamination at the Site. The results of the RI, as reported in the *Revised Remedial Investigation Report* (Gannett Fleming, P.C., July 2010) and the *Supplemental Remedial Investigation and Second Supplemental Remedial Investigation Report* (Gannett Fleming, P.C., April 2011) determined that contaminants of concern (COCs) were present in Site soil, groundwater, and soil vapor. It was determined that Site surface and subsurface soils contained arsenic, lead, mercury, polychlorinated biphenyls (PCBs), and semi-volatile organic compounds (SVOCs) at concentrations that exceeded the Unrestricted Use Soil Cleanup Objectives (SCOs). Analytical results of Site groundwater samples identified arsenic, lead, and volatile organic compounds (VOCs) at concentrations that exceeded the Technical and Operational Guidance Series (TOGS) Class GA groundwater standards or guidance values. VOCs were also detected in Site soil vapor samples.

A Remedial Work Plan (RWP) was prepared by Gannett Fleming, P.C. (August 2011). The remedial goals for the Site included:

- removing or eliminating significant threats to human health and the environment
- protecting human health and the environment during the contemplated future use of the Site, which was identified as industrial, heavy manufacturing, in accordance with the BCA and DER-10.

The proposed remedial approach was to remediate the Site to a Track 4 Restricted Use by meeting the Industrial Use SCOs. This remediation approach included excavation of soil/fill exceeding Site-specific remedial action objectives (RAOs), excavation of soil/fill exceeding the Industrial Use SCOs, and implementation of engineering/institutional controls. Remedial activities were completed at the Site in February 2013. Soil/fill excavation included:

- the removal of approximately 16,513 tons of hazardous PCB soil (PCB concentrations in excess of 50 mg/kg)



- the removal of approximately 4,096 tons of non-hazardous PCB soil (PCB concentrations in excess of 10 mg/kg or 25 mg/kg, depending on the excavation area)
- the removal of approximately 619 tons of arsenic, lead, and mercury contaminated soil with concentrations exceeding the Protection of Groundwater and/or Industrial Use SCOs
- the placement of imported clean fill material back into the excavation areas.

Excavated soil/fill was transported for off-Site disposal. The PCB excavated soils that were identified as hazardous were reportedly managed in accordance with TSCA regulations.

The selected remedy for groundwater remediation was natural attenuation, based on the fact that VOC daughter products were present in several on-Site groundwater monitoring wells, which suggests that degradation is occurring and can be expected to continue over time. Also, sensitive receptors were not identified downgradient of the Site and the Site and surrounding area is serviced by a municipal water supply system.

The engineering controls for the Site consist of maintaining the soil cover system and requiring the installation of a sub-slab depressurization system (SSDS) in any new buildings constructed on-Site, or in future expansions added to the Frito-Lay warehouse located on the adjoining property to the north. The institutional controls include a Site groundwater use restriction, a Site use restriction restricting the use to industrial uses, and the requirement that a SSDS will be installed in any future buildings constructed on-Site.

An Environmental Easement (EE) for the Site was filed with the Kings County Clerk's Office on September 20, 2013. A Site Management Plan, which outlines Site restrictions and requirements of future maintenance and monitoring, was completed in September 2013. A Certificate of Completion allowing for industrial uses of the Site was received from the NYSDEC on November 6, 2013.

The reader of this PRR may refer to previous reports for more detail, as needed. These reports include:

- *Subsurface Investigation*, Gannett Fleming, P.C., 2003.
- *Phase I Environmental Site Assessment*, Gannett Fleming, P.C., 2006.
- *Surface Pile Characterization Work Plan*, Gannett Fleming, P.C., 2007.
- *Phase II Environmental Site Assessment*, Gannett Fleming, P.C., 2007.
- *Remedial Investigation*, Gannett Fleming, P.C., 2009.
- *Supplemental Remedial Investigation*, Gannett Fleming, P.C., 2010.
- *Second Supplemental Remedial Investigation*, Gannett Fleming, P.C., 2011.
- *Remedial Work Plan*, Gannett Fleming, P.C., 2011.
- *Site Management Plan*, Frito-Lay, Brooklyn, New York, NYSDEC Site Number: C224133, Gannett Fleming Engineers, P.C., September 2013.
- *Final Engineering Report*, Frito-Lay, Brooklyn, Kings County, New York, NYSDEC Site Number: C224133, Gannett Fleming Engineers, P.C., October 2013.
- *202-218 Morgan Avenue BCP Site Annual Post-Remediation Groundwater Monitoring Letter Report*, GHD Consulting Services Inc., August 1, 2014.



- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 6, 2013 – November 22, 2014*, GHD Consulting Services Inc., December 2014.
- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Annual Post-Remediation Groundwater Monitoring – 2015*, GHD Consulting Services Inc., August 12, 2015.
- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2014 – November 22, 2015*, GHD Consulting Services Inc., February 12, 2016.
- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Annual Post-Remediation Groundwater Monitoring – 2016*, GHD Consulting Services Inc., September 15, 2016.
- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2015 – November 22, 2016*, GHD Consulting Services Inc., January 6, 2017.
- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Annual Post-Remediation Groundwater Monitoring – 2017*, GHD Consulting Services Inc., July 28, 2017.



3. Institutional and Engineering Controls

Based on identified soil, groundwater, and soil vapor contamination, and the Site's past and present use, institutional and engineering controls are utilized at the Site to limit exposure risks. These institutional and engineering controls are described below.

3.1 Institutional Controls

The institutional controls (ICs) for this Site are outlined in the NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013) and adherence to these ICs is required by the Environmental Easement. The ICs for the Site include the following:

- the property may only be used for industrial uses provided that the long-term engineering and institutional controls included in the NYSDEC-approved SMP are employed
- the property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and/or commercial use without additional remediation and amendment of the EE, as approved by the NYSDEC
- all future activities on the property that will disturb remaining contamination must be conducted in accordance with the NYSDEC-approved SMP
- the use of groundwater underlying the property is prohibited without treatment rendering it safe for intended use and prior approval by NYSDEC
- the potential for soil vapor intrusion must be evaluated for any buildings developed on Site, or expansions added to the existing warehouse to the north, and any potential impacts that are identified must be monitored and/or mitigated
- vegetable gardens and farming on the property are prohibited
- the Site owner or remedial party will submit to the NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and (2) nothing has occurred that impairs the ability of the controls to protect public health and the environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow, and will be made by an expert that the NYSDEC finds acceptable.

3.1.1 Site Use

The Site use has not changed since the NYSDEC issued the Certificate of Completion and is currently used for industrial uses and parking of Frito-Lay company/delivery and employee vehicles.

3.1.2 Groundwater

Groundwater is not being used at the Site.



Monitored natural attenuation groundwater monitoring was conducted as outlined in the NYSDEC-approved SMP during this PRR reporting period (May 2017). Laboratory analytical results were tabulated and submitted to the NYSDEC (GHD, July 28, 2017) and to the NYSDEC's EQiS Database. Results of groundwater monitoring did not warrant revision of the monitoring schedule or analytical list.

3.1.3 Excavations

No excavations occurred on-Site during this PRR's certification period.

3.2 Engineering Controls

The engineering controls (ECs) for this Site are outlined in the NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013), and include the following:

3.2.1 Asphalt and Soil (Engineered) Cover Systems

Direct contact with soil/fill at the Site is mitigated by a soil cover system in place over the entirety of the Site. This soil cover system is comprised of a minimum of 6 inches of asphalt pavement or a minimum of 1-foot of clean soil/fill, consisting of maintained landscape areas or rip rap. The location of the soil cover system is depicted in Figure 3.

The soil cover system was in place for the duration of the certification period and no maintenance was required to amend the soil cover system. At the time of the annual Site inspection (November 16, 2017), it was noted that minor surface cracks were present in the asphalt pavement but were not significant enough to warrant additional action at the time. The remainder of the soil cover system was in good repair.

Additional information can be found in the Institutional and Engineering Controls Certification Form (Appendix A) and the Annual Inspection Form (Appendix B).

3.2.2 Chain Linked Fence

To prevent unauthorized access to the Site, a 10-foot high chain linked fence was installed along the eastern, western, and southern boundaries. Access to the Site from the northern boundary is controlled by the adjacent property, which is also owned by Frito-Lay.

The chain linked fence was in good condition at the time of the annual Site inspection (November 16, 2017) and appeared to be effective in limiting unauthorized access to the Site.

3.2.3 Sub-Slab Depressurization System

A sub-slab depressurization system (SSDS) will be required to be installed in any new buildings constructed on-Site or if the warehouse on the adjacent property to the north, which is also owned by Frito-Lay, is expanded or renovated.

At the time of the annual Site inspection (November 16, 2017) no new buildings had been constructed on-Site and the adjacent warehouse to the north had not been expanded. Therefore, no SSDS is required at this time.



4. Operations and Monitoring

The NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013) requires annual groundwater monitoring and reporting. The annual monitoring is intended to assess the performance of the remedy and overall reduction in contamination on-Site. The annual groundwater monitoring was completed in accordance with the SMP (Figures 4, 5, 6, and 7 and Tables 1, 2, and 3). The laboratory sample results were transmitted to the NYSDEC in the Annual Post-Remediation Groundwater Monitoring letter report (GHD, July 28, 2017) and were also successfully uploaded into the NYSDEC's EQuIS Database on August 2, 2017 (Appendix C). Table 3 summarizes laboratory analytical results of groundwater samples taken since remediation was completed at the Site. The groundwater results are compared to Class GA groundwater quality standards or guidance values from the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1, June 1998 and subsequent addenda).

In general, since post-remediation baseline samples were taken, concentrations of analytes detected in groundwater samples have both increased and decreased, with no consistent Site-wide trends recognizable at this time. Overall the number of contaminants detected above groundwater standards are limited as noted in the tables and figures. However, off-Site groundwater monitoring well MW-7 appears to have a generally increasing trend in concentrations of chlorinated VOCs, with tetrachloroethene being detected above groundwater standards for the first time during the 2017 monitoring event. In addition, concentrations of trichloroethene, cis-1,2-dichloroethene, and vinyl chloride have historically been detected at concentrations above groundwater standards in samples taken from MW-7 and appear to further indicate a generally increasing trend in chlorinated VOC concentrations off-site. In addition, the concentrations of barium in off-site groundwater monitoring well MW-8 appears to have an increasing trend. The detected contaminants in MW-7 and MW-8 are likely related to an off-site source. The concentrations of detected compounds in Site groundwater samples do not indicate the need for further assessment or further action at this time. It is noted that the Site groundwater quality could be influenced by the tidal water dynamics of the adjacent English Kills and/or upgradient groundwater for certain compounds.

Based on the groundwater data received to date, the qualitative exposure assessment assumptions regarding on-Site and off-site contamination have not changed and are still valid. As future groundwater monitoring events occur, the data will be reviewed to determine if any compound-specific or Site-wide trends (decreasing or increasing) can be identified.

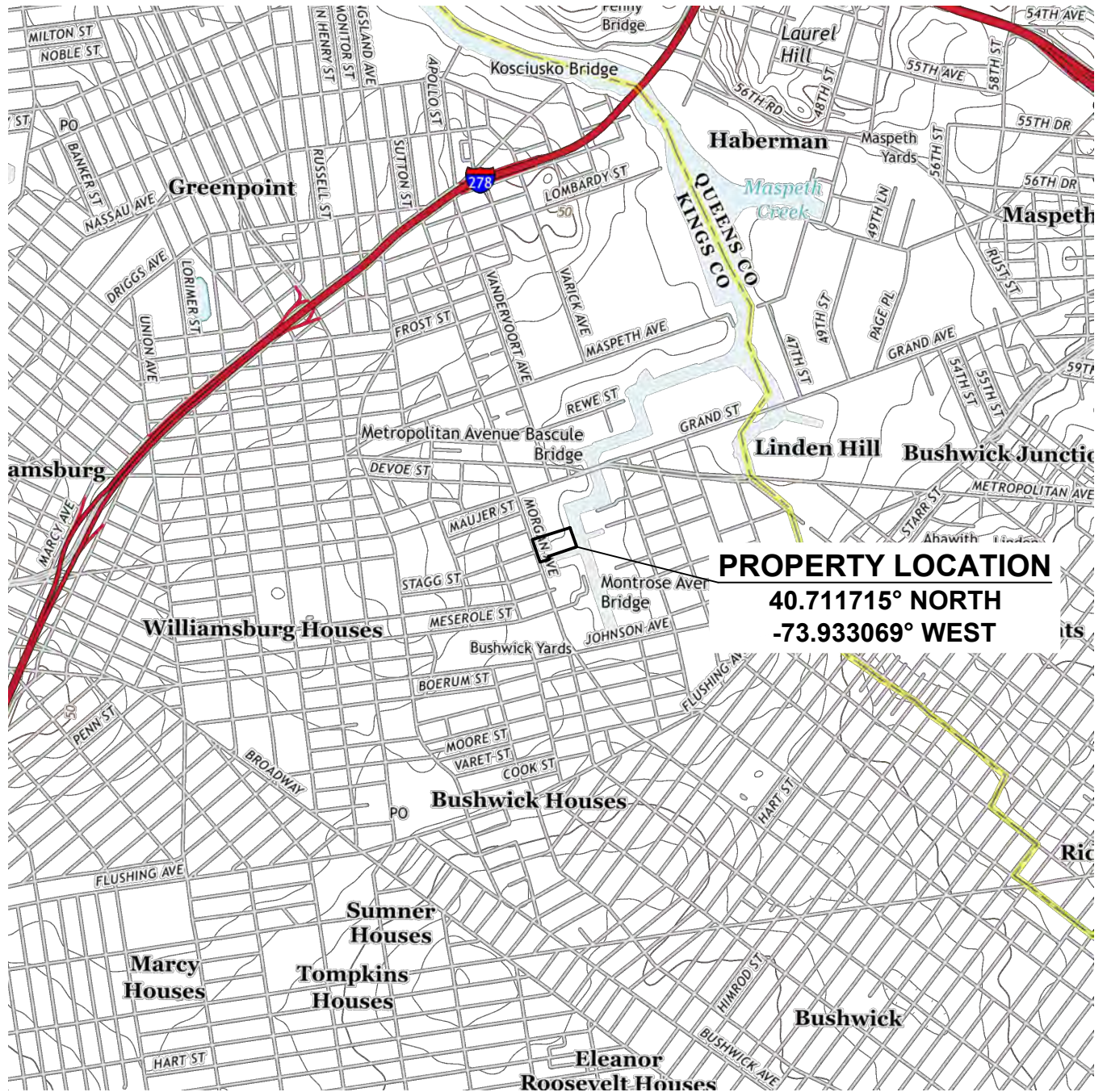


5. Recommendations

Based on a review of the annual groundwater data, it is recommended that the ICs and ECs currently in place for the Site remain in place in order to ensure the continued effectiveness and protectiveness of the remedy. The trends in groundwater quality associated with the off-site monitoring wells MW-7 and MW-8 should continue to be assessed for potential impacts to Site groundwater quality. Groundwater monitoring should continue to be conducted on an annual basis, as identified in the SMP, until the May 2018 monitoring event, after which the monitoring results should be reviewed and modifications to future monitoring requirements, if any, should be recommended to the NYSDEC. The effectiveness of the remedy should continue to be evaluated through analytical results from the groundwater monitoring events.

The minor surface cracks in the asphalt pavement should be periodically monitored to ensure they are not progressing to the point where potential exposure to remaining contamination could occur or could compromise the engineering control. Also, the woody growth along the perimeter should be periodically removed to control potential impacts to the cover system. The annual Site inspections should be continued to ensure that the Site use has not changed and the engineering controls are in place and functioning as intended.

Figures



PROPERTY LOCATION

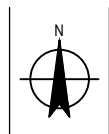
40.711715° NORTH

-73.933069° WEST



CONTOUR INTERVAL: 10 FEET

MAP TAKEN FROM: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLES:
BROOKLYN, NY (2013)
(U.S. GEOLOGICAL SURVEY WEBSITE)

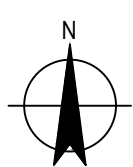
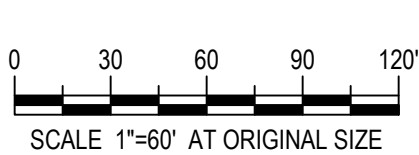


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Site Location Map

Figure 1



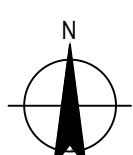
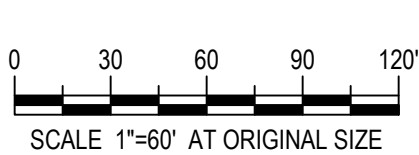
NOTES:
1. Aerial photograph is a 2014, 6-inch resolution, true color image taken from the U.S. Geological Survey website: <http://earthexplorer.usgs.gov/>
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



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Site Layout

Figure 2



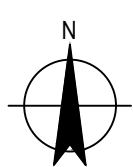
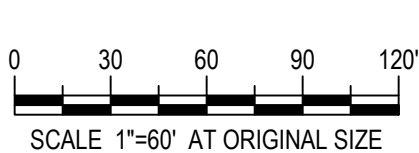
NOTES:
1. Aerial photograph is a 2014, 6-inch resolution, true color image taken from the U.S. Geological Survey website: <http://earthexplorer.usgs.gov/>
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



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Engineering Controls

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Figure 3



NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2014, 6-inch resolution, true color image taken from the U.S. Geological Survey website: <http://earthexplorer.usgs.gov/>
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



Rolling Frito-Lay Sales, LP
Periodic Review Report - Nov. 22, 2016 to Nov. 22, 2017 - 202-218 Morgan Avenue BCP Site (#C224133)
Exceedances of Groundwater Standards - Total Metals

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Figure 4



LEGEND:

Groundwater Monitoring Well Location and ID

Detected Concentration in ug/L (5-22-2017)
ug/L - micrograms per liter, parts per billion



NOTES:

1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.

2. No dissolved metals samples taken from MW-1, MW-2R, MW-4, MW-5, and MW-6 due to observation of low turbidity water (i.e., less than 10 NTU) at the time of sampling.

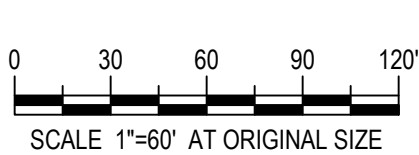
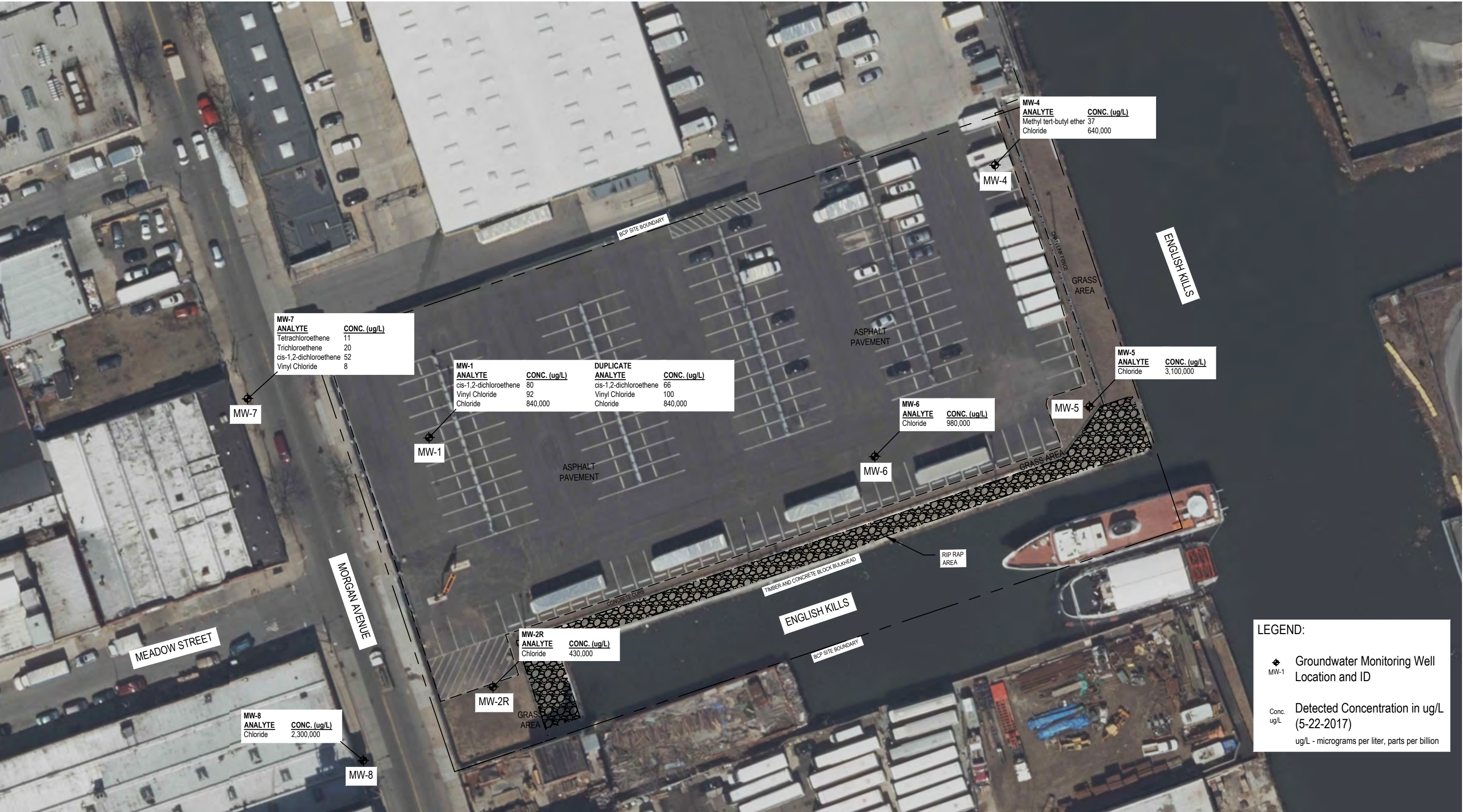
3. Aerial photograph is a 2014, 6-inch resolution, true color image taken from the U.S. Geological Survey website: <http://earthexplorer.usgs.gov/>

4. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



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Exceedances of Groundwater Standards - Dissolved Metals

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Figure 5

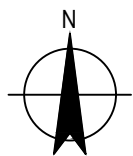
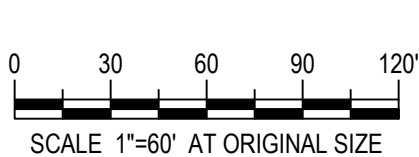


NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2014, 6-inch resolution, true color image taken from the U.S. Geological Survey website: <http://earthexplorer.usgs.gov/>
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



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Exceedances of Groundwater Standards - Other Analytes

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Figure 6



NOTES:
1. Aerial photograph is a 2014, 6-inch resolution, true color image taken from the U.S. Geological Survey website: <http://earthexplorer.usgs.gov/>
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



Rolling Frito-Lay Sales, LP
Periodic Review Report - Nov. 22, 2016 to Nov. 22, 2017 - 202-218 Morgan Avenue BCP Site (#C224133)
Groundwater Elevation and Flow Direction

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Figure 7

Tables



Table 1: (Page 1 of 1) Groundwater Elevation Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-1	2009	Top of PVC	9.93	-	-	1.74	-
	2011			-	-	1.54	-
	5/14/2014			9.07	16.33	0.86	1.16
	6/4/2015			9.74	16.38	0.19	1.06
	5/26/2016			9.55	16.24	0.38	1.07
	5/22/2017			9.24	16.93	0.69	1.23
MW-2R	2009	Top of PVC	10.26	-	-	2.71	-
	2011			-	-	0.40	-
	7/4/2015			9.75	17.92	0.51	1.31
	6/4/2015			9.69	17.92	0.57	1.32
	5/26/2016			10.22	17.61	0.04	1.18
	5/22/2017			9.53	17.95	0.73	1.35
MW-4	2009	Top of PVC	10.22	-	-	2.04	-
	2011			-	-	0.54	-
	5/14/2014			9.91	16.48	0.31	1.05
	6/4/2015			10.50	16.45	-0.28	0.95
	5/26/2016			10.76	16.28	-0.54	0.88
	5/22/2017			10.15	16.60	0.07	1.03
MW-5	2009	Top of PVC	10.77	-	-	1.76	-
	2011			-	-	-0.80	-
	5/14/2014			11.01	18.69	-0.24	1.23
	6/4/2015			9.91	18.6	0.86	1.39
	5/26/2016			12.65	18.58	-1.88	0.95
	5/22/2017			11.25	18.7	-0.48	1.19
MW-6	2009	Top of PVC	10.22	-	-	1.11	-
	2011			-	-	0.80	-
	5/14/2014			10.36	17.05	-0.14	1.07
	6/4/2015			10.81	17.08	-0.59	1.00
	5/26/2016			10.97	16.88	-0.75	0.95
	5/22/2017			10.55	17.10	-0.33	1.05
MW-7	2009	Top of PVC	11.11	-	-	2.92	-
	2011			-	-	1.48	-
	5/14/2014			8.17	15.42	2.94	1.16
	6/4/2015			8.33	16.42	2.78	1.29
	5/26/2016			8.32	15.22	2.79	1.10
	5/22/2017			8.15	15.45	2.96	1.17
MW-8	2009	Top of PVC	11.43	-	-	2.50	-
	2011			-	-	2.32	-
	5/14/2014			8.85	14.45	2.58	0.90
	6/4/2015			8.92	14.45	2.51	0.88
	5/26/2016			8.70	14.20	2.73	0.88
	5/22/2017			8.88	14.60	2.55	0.92

DTW - depth to water

DOW - depth of well

DTW and DOW measurements taken prior to purging using an electronic water level meter

2009 and 2011 groundwater elevation information taken from the Site Management Plan prepared by Gannett Fleming (September 2013)

Reference elevations taken from as-built plan prepared by PS&S (August 21, 2013)



Table 2: (Page 1 of 1) Groundwater Field Parameter Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Well I.D.	Date	Time	Temp (°C)	Conductivity (mS/cm)	Salinity (%)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (gal)	Comments
MW-1	5/22/2017	14:50	15.6	2.429	1.56	0.30	6.93	-77.7	70.6	3.50	Duplicate sample taken here. No dissolved metals sample taken.
		14:55	15.5	2.550	1.68	0.00	6.90	-91.3	48.2		
		15:00	15.5	2.657	1.72	0.00	6.85	-104.4	20.1		
		15:05	15.4	2.690	1.73	0.00	6.84	-115.2	17.1		
		15:10	15.4	2.710	1.75	0.00	6.83	-123.6	15.1		
		15:15	15.4	2.735	1.77	0.00	6.83	-129.0	11.5		
		15:20	15.4	2.765	1.79	0.00	6.83	-136.9	8.6		
		15:25	15.5	2.852	1.81	0.00	6.82	-144.7	4.0		
		15:30	15.5	2.845	1.84	0.00	6.82	-148.5	2.1		
MW-2R	5/22/2017	15:56	15.0	1.558	0.99	0.22	7.08	-157.1	21.8	3.00	Water turbid gray, blocky organic-like sheen, sulfur-like odor, cleared with purge. No dissolved metals sample taken.
		16:00	15.0	1.566	0.99	0.05	7.06	-164.6	24.0		
		16:05	15.0	1.581	1.00	0.00	7.05	-168.0	23.4		
		16:10	15.0	1.591	1.01	0.00	7.04	-170.9	16.6		
		16:15	15.0	1.580	1.00	0.00	7.04	-173.7	20.1		
		16:20	15.0	1.588	1.01	0.00	7.04	-175.4	14.3		
		16:25	15.0	1.595	1.01	0.00	7.04	-176.0	13.3		
		16:30	15.0	1.603	1.02	0.00	7.04	-176.8	11.9		
		16:35	15.0	1.607	1.02	0.00	7.03	-175.2	9.7		
MW-4	5/22/2017	11:00	14.9	2.501	1.63	0.32	7.47	-50.6	202.3	3.00	Water turbid gray, sulfur odor, no sheen, cleared with purge. No dissolved metals sample taken.
		11:05	14.6	2.491	1.63	0.09	7.42	-97.7	16.2		
		11:17	15.1	2.530	1.64	-0.03	7.46	-226.7	370.2		
		11:22	15.1	2.533	1.64	-0.07	7.44	-282.2	256.0		
		11:28	15.1	2.534	1.64	-0.07	7.44	-299.5	128.0		
		11:32	15.1	2.535	1.64	0.80	7.44	-267.1	17.8		
		11:38	15.1	2.537	1.64	-0.02	7.45	-300.7	9.3		
		11:42	15.1	2.547	1.65	-0.06	7.44	-313.2	9.1		
		11:47	15.1	2.547	1.65	-0.07	7.45	-318.2	8.9		
MW-5	5/22/2017	11:50	13.7	10.920	6.23	0.13	6.78	-85.1	87.6	1.00	MS/MSD sample taken here. No dissolved metals sample taken.
		11:55	13.6	10.890	6.20	0.60	6.21	-80.7	58.6		
		12:00	13.6	18.860	6.19	0.33	6.88	-53.0	17.6		
		12:05	13.6	10.816	6.16	0.40	6.88	-62.8	21.8		
		12:10	13.6	8.426	6.14	0.65	6.90	-42.7	3.3		
		12:15	13.6	8.440	6.13	0.70	6.90	-47.7	3.2		
		12:20	13.6	8.410	6.12	0.04	6.91	-47.1	1.7		
MW-6	5/22/2017	13:41	15.8	2.965	1.90	0.00	7.39	-318.0	129.2	3.00	Water turbid black, no sheen, sulfur-like odor, cleared with purge. No dissolved metals sample taken.
		13:51	15.6	3.125	2.04	3.42	7.29	-284.3	98.7		
		13:59	15.8	3.370	2.18	0.38	7.29	-312.7	60.3		
		14:06	15.7	2.643	1.69	1.33	7.51	-244.5	31.0		
		14:12	16.1	2.867	1.85	0.14	7.44	-258.7	22.3		
		14:17	15.5	3.198	2.08	0.03	7.32	-326.0	13.8		
		14:23	15.5	3.471	2.27	0.06	7.24	-375.9	9.3		
		14:27	15.5	3.463	2.26	0.01	7.26	-384.0	8.8		
		14:30	15.5	3.453	2.25	0.00	7.26	-390.1	8.4		
MW-7	5/22/2017	17:40	15.3	0.636	0.39	0.12	7.09	95.9	674.2	2.00	Water rusty orange with rusty orange floaters, cleared with purge, no sheen, slight sulfur-like odor. Dissolved metals sample taken.
		17:48	14.9	0.652	0.40	0.07	7.03	-79.2	86.5		
		17:53	14.9	0.649	0.40	0.00	7.03	-84.0	166.6		
		17:59	14.8	0.654	0.40	0.00	7.03	-88.6	384.7		
		18:05	14.8	0.662	0.41	0.00	7.03	-92.5	82.9		
		18:10	14.8	0.671	0.41	0.00	7.04	-94.4	64.7		
		18:15	14.9	0.678	0.42	0.00	7.03	-96.8	57.4		
MW-8	5/22/2017	17:10	14.8	6.213	4.30	0.20	6.55	-48.9	37.9	0.75	Dissolved metals sample taken.
		17:15	14.7	6.272	4.35	0.13	6.56	-54.4	28.4		
		17:20	14.7	6.371	4.46	0.12	6.56	-57.7	15.7		
		17:25	14.7	6.419	4.45	0.10	6.56	-62.5	12.5		
		17:30	14.7	6.494	4.51	0.08	6.57	-61.5	10.9		

Field parameters collected during purging using a YSI ProDSS with flow thru cell and GeoPump peristaltic pump



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1
		Monitoring Event	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-1	MW-1	MW-1	MW-1	MW-1
ChemName	Units	TOGS 1.1.1					
VOCs							
1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U
1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U
1,1-dichloroethane	µg/L	5	<1U	<2.5U	0.81J	<0.7U	<0.7U
1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U
1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U
1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U
1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U
1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U
2-butanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1.9U	<1.9U
2-hexanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1U	<1U
4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U
Acetone	µg/L	50 ^{#1}	<10U	2.7J	<5U	<1.5U	4.8J
Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U
Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U
Bromoform	µg/L	50 ^{#1}	<1UJ	<2U	<2U	<0.65U	<0.65U
Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Carbon disulfide	µg/L	60 ^{#1}	<1U	<5U	<5U	<1U	<1U
Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U
Chlorobenzene	µg/L	5	1	0.72J	0.81J	0.77J	0.71J
Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
cis-1,2-dichloroethene	µg/L	5	<1U	2.1J	2.7	1.5J	80
cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U
Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U
Dibromochloromethane	µg/L	50 ^{#1}	<1U	<0.5U	<0.5U	<0.15U	<0.15U
Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U
Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Isopropylbenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U
Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U
Methyl tert butyl ether	µg/L	10 ^{#1}	1.5	4.6	21	5	7
Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U
Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U
Trichloroethene	µg/L	5	<1UJ	0.17J	<0.5U	<0.18U	<0.18U
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Vinyl chloride	µg/L	2	0.4	5.8	24	9.9	92

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

^{#1} - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
		Monitoring Event	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
ChemName	Units	TOGS 1.1.1					
VOCs							
1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U
1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U
1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U
1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U
1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U
1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U
1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U
2-butanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1.9U	<1.9U
2-hexanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1U	<1U
4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U
Acetone	µg/L	50 ^{#1}	<10U	2.3J	<5U	<1.5U	<1.5U
Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U
Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U
Bromoform	µg/L	50 ^{#1}	<1UJ	<2U	<2U	<0.65U	<0.65U
Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Carbon disulfide	µg/L	60 ^{#1}	<1U	<5U	2.2J	<1U	<1U
Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U
Chlorobenzene	µg/L	5	1	<2.5U	<2.5U	<0.7U	<0.7U
Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U
Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U
Dibromochloromethane	µg/L	50 ^{#1}	<1U	<0.5U	<0.5U	<0.15U	<0.15U
Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U
Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Isopropylbenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U
Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U
Methyl tert butyl ether	µg/L	10 ^{#1}	1.6	1.6J	1.1J	<0.7U	0.77J
Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U
Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U
Trichloroethene	µg/L	5	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Vinyl chloride	µg/L	2	4.7	<1U	3.4	2.5	0.98J

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

^{#1} - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4
		Monitoring Event	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-4	MW-4	MW-4	MW-4	MW-4
ChemName	Units	TOGS 1.1.1					
VOCs							
1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U
1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U
1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U
1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U
1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U
1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U
1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U
2-butanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1.9U	<1.9U
2-hexanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1U	<1U
4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U
Acetone	µg/L	50 ^{#1}	4	5	<5U	2.3J	5.9
Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U
Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U
Bromoform	µg/L	50 ^{#1}	<1UJ	<2U	<2U	<0.65U	<0.65U
Bromomethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
Carbon disulfide	µg/L	60 ^{#1}	<1U	<5U	<5U	<1U	<1U
Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U
Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U
Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U
Dibromochloromethane	µg/L	50 ^{#1}	<1U	<0.5U	<0.5U	<0.15U	<0.15U
Dichlorodifluoromethane	µg/L	5	<1UJ	<5U	<5U	<1U	<1U
Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U
Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U
Methyl tert butyl ether	µg/L	10 ^{#1}	4	13	11	32	37
Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U
Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U
Trichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Vinyl chloride	µg/L	2	<1U	<1U	<1U	<0.07U	<0.07U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

^{#1} - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5
		Monitoring Event	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-5	MW-5	MW-5	MW-5	MW-5
ChemName	Units	TOGS 1.1.1					
VOCs							
1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U
1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U
1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U
1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U
1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U
1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U
1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U
2-butanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1.9U	<1.9U
2-hexanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1U	<1U
4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U
Acetone	µg/L	50 ^{#1}	<10U	2.2J	<5U	<1.5U	<1.5U
Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U
Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U
Bromoform	µg/L	50 ^{#1}	<1UJ	<2U	<2U	<0.65U	<0.65U
Bromomethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
Carbon disulfide	µg/L	60 ^{#1}	<1U	<5U	3.5J	<1U	<1U
Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U
Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U
Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U
Dibromochloromethane	µg/L	50 ^{#1}	<1U	<0.5U	<0.5U	<0.15U	<0.15U
Dichlorodifluoromethane	µg/L	5	<1UJ	<5U	<5U	<1U	<1U
Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U
Methyl cyclohexane	µg/L		<1U	<20U	-	<0.4U	<0.4U
Methyl tert butyl ether	µg/L	10 ^{#1}	16	9.3	10	5.8	7.9
Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U
Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U
Trichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Vinyl chloride	µg/L	2	<1U	<1U	<1U	<0.07U	<0.07U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

^{#1} - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6
		Monitoring Event	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-6	MW-6	MW-6	MW-6	MW-6
ChemName	Units	TOGS 1.1.1					
VOCs							
1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U
1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U
1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U
1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U
1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U
1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U
1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U
2-butanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1.9U	<1.9U
2-hexanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1U	<1U
4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U
Acetone	µg/L	50 ^{#1}	12	3.7J	<5U	2J	9.8
Benzene	µg/L	1	1.1	<0.5U	0.34J	<0.16U	<0.16U
Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U
Bromoform	µg/L	50 ^{#1}	<1UJ	<2U	<2U	<0.65U	<0.65U
Bromomethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
Carbon disulfide	µg/L	60 ^{#1}	<1U	<5U	<5U	<1U	<1U
Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U
Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U
Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U
Dibromochloromethane	µg/L	50 ^{#1}	<1U	<0.5U	<0.5U	<0.15U	<0.15U
Dichlorodifluoromethane	µg/L	5	<1UJ	<5U	<5U	<1U	<1U
Ethylbenzene	µg/L	5	1	<2.5U	<2.5U	<0.7U	<0.7U
Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U
Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U
Methyl tert butyl ether	µg/L	10 ^{#1}	16	14	17	14	5
Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U
Toluene	µg/L	5	4.4	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U
Trichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Vinyl chloride	µg/L	2	<1U	<1U	<1U	<0.07U	<0.07U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

^{#1} - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Method_Name = 'VOCs'

G:\8616480\Annual Groundwater Sampling\May 2017\Tables\VOCs - Chemistry_Output_Table1



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7
		Monitoring Event	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-7	MW-7	MW-7	MW-7	MW-7
ChemName	Units	TOGS 1.1.1					
VOCs							
1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U
1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U
1,1-dichloroethane	µg/L	5	<1U	0.75J	1.1J	<0.7U	<0.7U
1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	0.22J
1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U
1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U
1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U
1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U
2-butanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1.9U	<1.9U
2-hexanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1U	<1U
4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U
Acetone	µg/L	50 ^{#1}	<10U	1.6J	<5U	<1.5U	<1.5U
Benzene	µg/L	1	0.2	2.3	4	0.66	0.54
Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U
Bromoform	µg/L	50 ^{#1}	<1UJ	<2U	<2U	<0.65U	<0.65U
Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Carbon disulfide	µg/L	60 ^{#1}	<1U	<5U	<5U	<1U	<1U
Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U
Chlorobenzene	µg/L	5	1	<2.5U	<2.5U	<0.7U	<0.7U
Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
cis-1,2-dichloroethene	µg/L	5	1.2	16	6.1	17	52
cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U
Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U
Dibromochloromethane	µg/L	50 ^{#1}	<1U	<0.5U	<0.5U	<0.15U	<0.15U
Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U
Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Isopropylbenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U
Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U
Methyl tert butyl ether	µg/L	10 ^{#1}	<0.5U	<2.5U	<2.5U	<0.7U	<0.7U
Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Tetrachloroethene	µg/L	5	<1U	2.2	0.52	1.8	11
Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	0.78J	<0.7U	<0.7U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U
Trichloroethene	µg/L	5	1.4J	9.1	2.2	4.8	20
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Vinyl chloride	µg/L	2	2.7	5.5	5.6	12	8

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

^{#1} - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8
		Monitoring Event	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-8	MW-8	MW-8	MW-8	MW-8
ChemName	Units	TOGS 1.1.1					
VOCs							
1,1,1-trichloroethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,1,2,2-tetrachloroethane	µg/L	5	<1UJ	<0.5U	<0.5U	<0.14U	<0.17U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U
1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U
1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U
1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U
1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U
1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U
1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U
2-butanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1.9U	<1.9U
2-hexanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1U	<1U
4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U
Acetone	µg/L	50 ^{#1}	<10U	1.4J	<5U	<1.5U	<1.5U
Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U
Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U
Bromoform	µg/L	50 ^{#1}	<1U	<2U	<2U	<0.65U	<0.65U
Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Carbon disulfide	µg/L	60 ^{#1}	<1U	<5U	<5U	<1U	<1U
Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U
Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U
Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U
Dibromochloromethane	µg/L	50 ^{#1}	<1U	<0.5U	<0.5U	<0.15U	<0.15U
Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U
Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U
Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U
Methyl tert butyl ether	µg/L	10 ^{#1}	<0.5U	<2.5U	<2.5U	<0.7U	<0.7U
Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U
Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U
Trichloroethene	µg/L	5	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Vinyl chloride	µg/L	2	<1U	<1U	<1U	<0.07U	<0.07U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

^{#1} - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

ChemName	Units	Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
		Monitoring Event	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1
ChemName	Units	TOGS 1.1.1					
VOCs							
1,1,1-trichloroethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,1,2,2-tetrachloroethane	µg/L	5	<1UJ	<0.5U	<0.5U	<0.14U	<0.17U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U
1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U
1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	0.7J
1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U
1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U
1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U
1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U
1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U
2-butanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1.9U	<1.9U
2-hexanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1U	<1U
4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U
Acetone	µg/L	50 ^{#1}	<10U	2.7J	<5U	<1.5U	<1.5U
Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U
Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U
Bromoform	µg/L	50 ^{#1}	<1U	<2U	<2U	<0.65U	<0.65U
Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Carbon disulfide	µg/L	60 ^{#1}	<1U	<5U	<5U	<1U	<1U
Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U
Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	0.86J	<0.7U
Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	1.7J	66
cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U
Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U
Dibromochloromethane	µg/L	50 ^{#1}	<1U	<0.5U	<0.5U	<0.15U	<0.15U
Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U
Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U
Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U
Methyl tert butyl ether	µg/L	10 ^{#1}	<0.5U	10	0.99J	5.5	4.8
Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U
Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U
Trichloroethene	µg/L	5	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Vinyl chloride	µg/L	2	6.2	<1U	3.5	6.8	100

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U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

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Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-1	MW-1	MW-1	MW-1	MW-1
ChemName	Units	TOGS 1.1.1					
Total Metals							
Aluminum, Total	µg/L		220	2,710	5,230	1,000	19.8
Antimony, Total	µg/L	3	<12U	6.53	2.1	0.7J	<0.42U
Arsenic, Total	µg/L	25	<8U	4.26	12.1	2.5	1.54
Barium, Total	µg/L	1000	180	218.7	333.3	235.6	284.9
Beryllium, Total	µg/L	3 ^{#1}	<4U	0.17J	0.4J	<0.2U	<0.1U
Cadmium, Total	µg/L	5	<4U	0.83	2.1	0.5	0.06J
Calcium, Total	µg/L		210,000	166,000	211,000	189,000	276,000
Chromium, Total	µg/L	50	<50U	35.47	91.6	18.2	2.89
Cobalt, Total	µg/L		<20U	3.58	7.9	2	1.16
Copper, Total	µg/L	200	<50U	66.06	180	17.7	0.71J
Iron, Total	µg/L	300	4,100	21,500	24,000	7,160	3,710
Lead, Total	µg/L	25	6	147.4	360.1	85.7	0.84J
Magnesium, Total	µg/L	35000 ^{#1}	36,000	29,100	36,200	31,100	39,200
Manganese, Total	µg/L	300	3,000	2,458	3,322	2,939	2,792
Mercury, Total	µg/L	0.7	<1U	3.27	0.81	0.14J	<0.06U
Nickel, Total	µg/L	100	<50U	30.45	69.1	18.4	9.44
Potassium, Total	µg/L		18,000	13,900	17,500	16,300	20,700
Selenium, Total	µg/L	10	<40U	1.03J	2J	<1U	<1.73U
Silver, Total	µg/L	50	<20U	0.66	1.6	0.1J	<0.16U
Sodium, Total	µg/L	20000	220,000J	290,000	315,000	342,000	477,000
Thallium, Total	µg/L	0.5 ^{#1}	<10U	0.04J	0.1J	<0.1U	<0.14U
Vanadium, Total	µg/L		<50U	9.55	34.1	4.3J	<1.57U
Zinc, Total	µg/L	2000 ^{#1}	<50U	298.2	952.9	104.2	4.44J
Dissolved Metals							
Aluminum, Dissolved (Filtered)	µg/L		<180U	9.6J	10.6	8J	-
Antimony, Dissolved (Filtered)	µg/L	3	<12U	0.17J	0.1J	1.2J	-
Arsenic, Dissolved (Filtered)	µg/L	25	8.3	1.68	0.8	2.2	-
Barium, Dissolved (Filtered)	µg/L	1000	140	175.8	195.9	200.1	-
Beryllium, Dissolved (Filtered)	µg/L	3 ^{#1}	<4U	<0.5U	<0.5U	<0.2U	-
Cadmium, Dissolved (Filtered)	µg/L	5	<4U	<0.2U	<0.5U	<0.1U	-
Calcium, Dissolved (Filtered)	µg/L		180,000	193,000	159,000	198,000	-
Chromium, Dissolved (Filtered)	µg/L	50	<50U	3.34	3.04	2.9	-
Cobalt, Dissolved (Filtered)	µg/L		<20U	0.82	1.3	1.3	-
Copper, Dissolved (Filtered)	µg/L	200	<50U	0.64J	0.3J	<0.3U	-
Iron, Dissolved (Filtered)	µg/L	300	760	7,470	5,360	1,920	-
Lead, Dissolved (Filtered)	µg/L	25	<4U	<1U	<1U	0.2J	-
Magnesium, Dissolved (Filtered)	µg/L	35000 ^{#1}	30,000	27,300	30,800	30,300	-
Manganese, Dissolved (Filtered)	µg/L	300	2,500	2,728	2,886	3,222	-
Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	-
Nickel, Dissolved (Filtered)	µg/L	100	<50U	7.43	10.17	14.1	-
Potassium, Dissolved (Filtered)	µg/L		15,000	14,200	15,800	16,400	-
Selenium, Dissolved (Filtered)	µg/L	10	<40U	1.29J	<100U	<1U	-
Silver, Dissolved (Filtered)	µg/L	50	<20U	<0.4U	<5U	<0.1U	-
Sodium, Dissolved (Filtered)	µg/L	20000	190,000J	356,000	298,000	382,000	-
Thallium, Dissolved (Filtered)	µg/L	0.5 ^{#1}	<10U	<0.5U	<0.5U	<0.1U	-
Vanadium, Dissolved (Filtered)	µg/L		<50U	0.35J	<5U	<0.6U	-
Zinc, Dissolved (Filtered)	µg/L	2000 ^{#1}	<50U	2.48J	4.87J	<2.6U	-

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

		Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
ChemName	Units	TOGS 1.1.1					
Total Metals							
Aluminum, Total	µg/L		4,200J	404	1,690	33	193
Antimony, Total	µg/L	3	<12U	3.12	2.1	0.3J	<0.42U
Arsenic, Total	µg/L	25	<8U	36.36	7.8	6.8	6.51
Barium, Total	µg/L	1000	200	192.8	227.1	227.7	298
Beryllium, Total	µg/L	3 ^{#1}	<4U	0.1J	0.2J	<0.2U	<0.1U
Cadmium, Total	µg/L	5	<4U	0.19J	0.1J	<0.1U	0.2
Calcium, Total	µg/L		320,000	88,100	93,300	73,700	73,300
Chromium, Total	µg/L	50	<50U	10.5	10.4	0.5J	1.01
Cobalt, Total	µg/L		<20U	1.18	2.6	0.2	0.23J
Copper, Total	µg/L	200	<50U	20.21	30.9	<0.3U	2.47
Iron, Total	µg/L	300	13,000J	58,600	24,100	14,000	14,100
Lead, Total	µg/L	25	120J	73.18	178	1.9	13.48
Magnesium, Total	µg/L	35000 ^{#1}	140,000	33,900	35,700	33,800	34,400
Manganese, Total	µg/L	300	900	374.7	699.3	804.9	708.6
Mercury, Total	µg/L	0.7	<1U	0.38	0.46	0.09J	0.06J
Nickel, Total	µg/L	100	<50U	3.41	5.5	1.3J	1.75J
Potassium, Total	µg/L		55,000	14,400	16,000	14,300	16,500
Selenium, Total	µg/L	10	<40U	0.53J	<5U	<1U	<1.73U
Silver, Total	µg/L	50	<20U	<0.4U	0.1J	<0.1U	<0.16U
Sodium, Total	µg/L	20000	770,000J	142,000	221,000	200,000	273,000
Thallium, Total	µg/L	0.5 ^{#1}	<10U	<0.5U	<0.5U	<0.1U	<0.14U
Vanadium, Total	µg/L		<50U	6.59	8.1	<0.6U	<1.57U
Zinc, Total	µg/L	2000 ^{#1}	120	68.19	80.8	<2.6U	5.88J
Dissolved Metals							
Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-
Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	-	-
Arsenic, Dissolved (Filtered)	µg/L	25	<8U	-	-	-	-
Barium, Dissolved (Filtered)	µg/L	1000	160	-	-	-	-
Beryllium, Dissolved (Filtered)	µg/L	3 ^{#1}	<4U	-	-	-	-
Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	-	-
Calcium, Dissolved (Filtered)	µg/L		320,000	-	-	-	-
Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	-	-
Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-
Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	-	-
Iron, Dissolved (Filtered)	µg/L	300	870	-	-	-	-
Lead, Dissolved (Filtered)	µg/L	25	<4U	-	-	-	-
Magnesium, Dissolved (Filtered)	µg/L	35000 ^{#1}	140,000	-	-	-	-
Manganese, Dissolved (Filtered)	µg/L	300	830	-	-	-	-
Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	-	-
Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	-	-
Potassium, Dissolved (Filtered)	µg/L		55,000	-	-	-	-
Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	-	-
Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	-	-
Sodium, Dissolved (Filtered)	µg/L	20000	760,000J	-	-	-	-
Thallium, Dissolved (Filtered)	µg/L	0.5 ^{#1}	<10U	-	-	-	-
Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-
Zinc, Dissolved (Filtered)	µg/L	2000 ^{#1}	<50U	-	-	-	-

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

		Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-4	MW-4	MW-4	MW-4	MW-4
ChemName	Units	TOGS 1.1.1					
Total Metals							
Aluminum, Total	µg/L		250	103	87	616	148
Antimony, Total	µg/L	3	<12U	2.91	1.2J	1J	1.2J
Arsenic, Total	µg/L	25	<8U	9.74	5.9	7.8	3.56
Barium, Total	µg/L	1000	660	92.03	80.4	80.8	112.5
Beryllium, Total	µg/L	3 ^{#1}	<4U	<0.5U	<0.5U	<0.2U	<0.1U
Cadmium, Total	µg/L	5	<4U	0.05J	0.1J	0.3	0.5
Calcium, Total	µg/L		520,000J	272,000	294,000	207,000	220,000
Chromium, Total	µg/L	50	<50U	0.77J	2.8	2.2	0.81J
Cobalt, Total	µg/L		<20U	0.36	0.49J	1.6	0.69
Copper, Total	µg/L	200	<50U	1.12J	2.2	9.9	2.13
Iron, Total	µg/L	300	650	186	219	1,290	336
Lead, Total	µg/L	25	9	3.12	3.5	25	5.51
Magnesium, Total	µg/L	35000 ^{#1}	8,400J	6,600	12,300	16,200	30,700
Manganese, Total	µg/L	300	100	5.31	13	35.3	302.2
Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	<0.06U
Nickel, Total	µg/L	100	<50U	3.56	5.5	7.6	5.08
Potassium, Total	µg/L		64,000	70,700	77,800	74,200	53,200
Selenium, Total	µg/L	10	<40U	0.55J	<5U	<1U	<1.73U
Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U
Sodium, Total	µg/L	20000	250,000J	303,000	339,000	387,000	331,000
Thallium, Total	µg/L	0.5 ^{#1}	<10U	<0.5U	<0.5U	<0.1U	<0.14U
Vanadium, Total	µg/L		<50U	0.92J	1.3J	3.3J	1.69J
Zinc, Total	µg/L	2000 ^{#1}	<50U	13.78	31.8	60.7	30.16
Dissolved Metals							
Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-
Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	-	-
Arsenic, Dissolved (Filtered)	µg/L	25	<8U	-	-	-	-
Barium, Dissolved (Filtered)	µg/L	1000	620	-	-	-	-
Beryllium, Dissolved (Filtered)	µg/L	3 ^{#1}	<4U	-	-	-	-
Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	-	-
Calcium, Dissolved (Filtered)	µg/L		440,000J	-	-	-	-
Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	-	-
Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-
Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	-	-
Iron, Dissolved (Filtered)	µg/L	300	<280U	-	-	-	-
Lead, Dissolved (Filtered)	µg/L	25	<4U	-	-	-	-
Magnesium, Dissolved (Filtered)	µg/L	35000 ^{#1}	<2,000UJ	-	-	-	-
Manganese, Dissolved (Filtered)	µg/L	300	<40U	-	-	-	-
Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	-	-
Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	-	-
Potassium, Dissolved (Filtered)	µg/L		65,000	-	-	-	-
Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	-	-
Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	-	-
Sodium, Dissolved (Filtered)	µg/L	20000	250,000J	-	-	-	-
Thallium, Dissolved (Filtered)	µg/L	0.5 ^{#1}	<10U	-	-	-	-
Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-
Zinc, Dissolved (Filtered)	µg/L	2000 ^{#1}	<50U	-	-	-	-

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

		Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-5	MW-5	MW-5	MW-5	MW-5
ChemName	Units	TOGS 1.1.1					
Total Metals							
Aluminum, Total	µg/L		<180U	2,380	589	242	8.24J
Antimony, Total	µg/L	3	<12U	3.01	0.9J	1.5J	3.31J
Arsenic, Total	µg/L	25	25	11.91	3	3.7	7.57
Barium, Total	µg/L	1000	56	126.4	125.7	129.2	68.44
Beryllium, Total	µg/L	3 ^{#1}	<4U	0.12J	<0.5U	<0.2U	<0.1U
Cadmium, Total	µg/L	5	<4U	1.56	0.5	0.2J	<0.05U
Calcium, Total	µg/L		210,000J	243,000	228,000	224,000	197,000
Chromium, Total	µg/L	50	<50U	8.36	3.6	1.7J	4.89
Cobalt, Total	µg/L		<20U	3.84	2.4	1	1.08
Copper, Total	µg/L	200	<50U	49.9	13.2	<0.3U	0.51J
Iron, Total	µg/L	300	4,000	16,400	4,070	5,740	3,010
Lead, Total	µg/L	25	6	244.8	90.4	46	<1.71U
Magnesium, Total	µg/L	35000 ^{#1}	120,000J	147,000	156,000	306,000	174,000
Manganese, Total	µg/L	300	950	1,020	1,060	768.1	449.9
Mercury, Total	µg/L	0.7	<1U	6.02	0.93	0.29	<0.06U
Nickel, Total	µg/L	100	<50U	26.93	14	6.8	11.62
Potassium, Total	µg/L		73,000	75,300	72,500	115,000	84,000
Selenium, Total	µg/L	10	<40U	0.77J	<5U	<1U	<1.73U
Silver, Total	µg/L	50	<20U	0.17J	<0.4U	<0.1U	<0.16U
Sodium, Total	µg/L	20000	740,000J	1,140,000	1,030,000	3,020,000	1,800,000
Thallium, Total	µg/L	0.5 ^{#1}	<10U	0.06J	<0.5U	0.1J	<0.71U
Vanadium, Total	µg/L		<50U	12.03	4.2J	2J	<1.57U
Zinc, Total	µg/L	2000 ^{#1}	<50U	736.6	223.7	29.6	15.6
Dissolved Metals							
Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-
Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	-	-
Arsenic, Dissolved (Filtered)	µg/L	25	10	-	-	-	-
Barium, Dissolved (Filtered)	µg/L	1000	54	-	-	-	-
Beryllium, Dissolved (Filtered)	µg/L	3 ^{#1}	<4U	-	-	-	-
Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	-	-
Calcium, Dissolved (Filtered)	µg/L		220,000J	-	-	-	-
Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	-	-
Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-
Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	-	-
Iron, Dissolved (Filtered)	µg/L	300	370	-	-	-	-
Lead, Dissolved (Filtered)	µg/L	25	4	-	-	-	-
Magnesium, Dissolved (Filtered)	µg/L	35000 ^{#1}	120,000J	-	-	-	-
Manganese, Dissolved (Filtered)	µg/L	300	970	-	-	-	-
Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	-	-
Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	-	-
Potassium, Dissolved (Filtered)	µg/L		77,000	-	-	-	-
Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	-	-
Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	-	-
Sodium, Dissolved (Filtered)	µg/L	20000	760,000J	-	-	-	-
Thallium, Dissolved (Filtered)	µg/L	0.5 ^{#1}	<10U	-	-	-	-
Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-
Zinc, Dissolved (Filtered)	µg/L	2000 ^{#1}	<50U	-	-	-	-

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

ChemName	Units	Sample ID Monitoring Round Well ID	MW-6	MW-6	MW-6	MW-6	MW-6
			Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
			MW-6	MW-6	MW-6	MW-6	MW-6
ChemName	Units	TOGS 1.1.1					
Total Metals							
Aluminum, Total	µg/L		<180U	137	330	191	449
Antimony, Total	µg/L	3	<12U	3.09	1.4J	1.1J	1.95J
Arsenic, Total	µg/L	25	14	7.55	3.2	4.5	14.06
Barium, Total	µg/L	1000	140	104.8	156	166.5	145.5
Beryllium, Total	µg/L	3^{#1}	<4U	<0.5U	<0.5U	<0.2U	<0.1U
Cadmium, Total	µg/L	5	<4U	0.93	0.2	0.8	1.45
Calcium, Total	µg/L		360,000J	292,000	285,000	280,000	286,000
Chromium, Total	µg/L	50	<50U	3.97	2.1	1.2J	3.44
Cobalt, Total	µg/L		<20U	4.53	1.3	1.4	2.15
Copper, Total	µg/L	200	<50U	3.64	4.9	7.1	11.45
Iron, Total	µg/L	300	650	5,820	1,270	1,870	5,550
Lead, Total	µg/L	25	10	9.28	17.4	15.1	25.67
Magnesium, Total	µg/L	35000^{#1}	47,000J	46,300	52,500	57,400	40,000
Manganese, Total	µg/L	300	640	1,526	757.3	952.6	1,118
Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	<0.06U
Nickel, Total	µg/L	100	<50U	22.81	8	9.4	11.82
Potassium, Total	µg/L		66,000	61,100	54,200	60,800	49,900
Selenium, Total	µg/L	10	<40U	0.51J	<5U	<1U	<1.73U
Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U
Sodium, Total	µg/L	20000	410,000J	385,000	393,000	470,000	408,000
Thallium, Total	µg/L	0.5^{#1}	<10U	<0.5U	<0.5U	<0.1U	<0.14U
Vanadium, Total	µg/L		<50U	2.66J	3.1J	2J	4.95J
Zinc, Total	µg/L	2000^{#1}	<50U	819.6	121.7	98.3	177
Dissolved Metals							
Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-
Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	-	-
Arsenic, Dissolved (Filtered)	µg/L	25	10	-	-	-	-
Barium, Dissolved (Filtered)	µg/L	1000	130	-	-	-	-
Beryllium, Dissolved (Filtered)	µg/L	3^{#1}	<4U	-	-	-	-
Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	-	-
Calcium, Dissolved (Filtered)	µg/L		340,000J	-	-	-	-
Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	-	-
Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-
Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	-	-
Iron, Dissolved (Filtered)	µg/L	300	370	-	-	-	-
Lead, Dissolved (Filtered)	µg/L	25	5	-	-	-	-
Magnesium, Dissolved (Filtered)	µg/L	35000^{#1}	46,000J	-	-	-	-
Manganese, Dissolved (Filtered)	µg/L	300	630	-	-	-	-
Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	-	-
Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	-	-
Potassium, Dissolved (Filtered)	µg/L		65,000	-	-	-	-
Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	-	-
Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	-	-
Sodium, Dissolved (Filtered)	µg/L	20000	400,000J	-	-	-	-
Thallium, Dissolved (Filtered)	µg/L	0.5^{#1}	<10U	-	-	-	-
Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-
Zinc, Dissolved (Filtered)	µg/L	2000^{#1}	<50U	-	-	-	-

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

		Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-7	MW-7	MW-7	MW-7	MW-7
ChemName	Units	TOGS 1.1.1					
Total Metals							
Aluminum, Total	µg/L		<180U	2.89J	40	50	15.5
Antimony, Total	µg/L	3	<12U	0.52J	0.2J	0.3J	<0.42U
Arsenic, Total	µg/L	25	<8U	1.4	2.8	2.3	1.47
Barium, Total	µg/L	1000	150	85.68	120.7	97.9	67.41
Beryllium, Total	µg/L	3 ^{#1}	<4U	<0.5U	<0.5U	<0.2U	<0.1U
Cadmium, Total	µg/L	5	<4U	<0.2U	<0.2U	<0.1U	<0.05U
Calcium, Total	µg/L		110,000	109,000	122,000	91,600	85,000
Chromium, Total	µg/L	50	<50U	0.99J	7.7	7.3	4.01
Cobalt, Total	µg/L		<20U	1.15	1.5	1.3	1.82
Copper, Total	µg/L	200	<50U	1.13J	1.9J	<0.3U	<0.38U
Iron, Total	µg/L	300	6,400	3,170	5,040	4,630	3,750
Lead, Total	µg/L	25	<4U	<1U	1.1	0.7J	0.39J
Magnesium, Total	µg/L	35000 ^{#1}	7,300	7,040	10,300	8,580	9,690
Manganese, Total	µg/L	300	830	823.6	913.5	801.4	1,074
Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	0.11J	<0.06U
Nickel, Total	µg/L	100	100	121.9	160	173.4	143.7
Potassium, Total	µg/L		13,000	9,020	12,200	11,400	8,360
Selenium, Total	µg/L	10	<40U	<5U	<5U	<1U	<1.73U
Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U
Sodium, Total	µg/L	20000	330,000J	153,000	186,000	138,000	81,800
Thallium, Total	µg/L	0.5 ^{#1}	<10U	<0.5U	<0.5U	<0.1U	<0.14U
Vanadium, Total	µg/L		<50U	<5U	<5U	<0.6U	<1.57U
Zinc, Total	µg/L	2000 ^{#1}	<50U	9.03J	42.6	<2.6U	<3.41U
Dissolved Metals							
Aluminum, Dissolved (Filtered)	µg/L		<180U	68.3	-	4J	<3.27U
Antimony, Dissolved (Filtered)	µg/L	3	<12U	0.75J	-	0.4J	<0.42U
Arsenic, Dissolved (Filtered)	µg/L	25	<8U	5.08	-	1.2	0.69
Barium, Dissolved (Filtered)	µg/L	1000	150	119.3	-	80.8	64.71
Beryllium, Dissolved (Filtered)	µg/L	3 ^{#1}	<4U	<0.5U	-	<0.2U	<0.1U
Cadmium, Dissolved (Filtered)	µg/L	5	<4U	0.05J	-	<0.1U	<0.05U
Calcium, Dissolved (Filtered)	µg/L		130,000	118,000	-	126,000	87,900
Chromium, Dissolved (Filtered)	µg/L	50	<50U	23.34	-	3	0.69J
Cobalt, Dissolved (Filtered)	µg/L		<20U	1.28	-	1.6	1.85
Copper, Dissolved (Filtered)	µg/L	200	<50U	1.31	-	<0.3U	<0.38U
Iron, Dissolved (Filtered)	µg/L	300	980	13,400	-	652	172
Lead, Dissolved (Filtered)	µg/L	25	<4U	2.24	-	<0.1U	<0.34U
Magnesium, Dissolved (Filtered)	µg/L	35000 ^{#1}	8,500	8,240	-	7,540	9,920
Manganese, Dissolved (Filtered)	µg/L	300	950	853.8	-	1,038	1,130
Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	<0.2U	-	<0.06U	<0.06U
Nickel, Dissolved (Filtered)	µg/L	100	110	135.9	-	158	142.7
Potassium, Dissolved (Filtered)	µg/L		15,000	10,400	-	10,200	9,080
Selenium, Dissolved (Filtered)	µg/L	10	<40U	0.59J	-	<1U	<1.73U
Silver, Dissolved (Filtered)	µg/L	50	<20U	0.13J	-	<0.1U	<0.16U
Sodium, Dissolved (Filtered)	µg/L	20000	380,000J	175,000	-	185,000	84,800
Thallium, Dissolved (Filtered)	µg/L	0.5 ^{#1}	<10U	<0.5U	-	<0.1U	<0.14U
Vanadium, Dissolved (Filtered)	µg/L		<50U	0.54J	-	<0.6U	<1.57U
Zinc, Dissolved (Filtered)	µg/L	2000 ^{#1}	<50U	6.31J	-	<2.6U	<3.41U

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

		Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-8	MW-8	MW-8	MW-8	MW-8
ChemName	Units	TOGS 1.1.1					
Total Metals							
Aluminum, Total	µg/L		220	230	39	2,310	9.3J
Antimony, Total	µg/L	3	<12U	0.5J	0.7J	0.4J	<0.42U
Arsenic, Total	µg/L	25	<8U	0.39J	0.7	0.8	0.33J
Barium, Total	µg/L	1000	270	376.1	464.6	707.2	1,023
Beryllium, Total	µg/L	3 ^{#1}	<4U	<0.5U	<0.5U	<0.2U	<0.1U
Cadmium, Total	µg/L	5	<4U	0.65	<0.2U	1.1	0.27
Calcium, Total	µg/L		150,000	221,000	280,000	302,000	466,000
Chromium, Total	µg/L	50	<50U	1.29	2.4	7	1.26
Cobalt, Total	µg/L		<20U	0.21	0.2J	1.5	0.17J
Copper, Total	µg/L	200	<50U	1.36J	1.9J	<0.3U	0.5J
Iron, Total	µg/L	300	13,000	25,800	29,700	54,300	36,600
Lead, Total	µg/L	25	7.8	2.72	0.9J	11.7	<1.71U
Magnesium, Total	µg/L	35000 ^{#1}	7,700	10,000	17,400	17,300	23,300
Manganese, Total	µg/L	300	780	1,180	1,368	1,654	1,559
Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	<0.06U
Nickel, Total	µg/L	100	<50U	0.93	1.9	5.1	1.98J
Potassium, Total	µg/L		18,000	15,900	22,600	26,100	32,700
Selenium, Total	µg/L	10	<40U	<5U	<5U	<1U	<1.73U
Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U
Sodium, Total	µg/L	20000	420,000J	504,000	519,000	731,000	1,350,000
Thallium, Total	µg/L	0.5 ^{#1}	<10U	<0.5U	<0.5U	<0.1U	<0.71U
Vanadium, Total	µg/L		<50U	2.15J	<5U	8.3	<1.57U
Zinc, Total	µg/L	2000 ^{#1}	<50U	6.77J	30	8.2J	<3.41U
Dissolved Metals							
Aluminum, Dissolved (Filtered)	µg/L		<180U	3.95J	-	3J	<16.4U
Antimony, Dissolved (Filtered)	µg/L	3	<12U	0.19J	-	0.6J	<2.14U
Arsenic, Dissolved (Filtered)	µg/L	25	<8U	0.89	-	<0.1U	<0.82U
Barium, Dissolved (Filtered)	µg/L	1000	200	366.9	-	658.2	910.4
Beryllium, Dissolved (Filtered)	µg/L	3 ^{#1}	<4U	<0.5U	-	<0.2U	<0.53U
Cadmium, Dissolved (Filtered)	µg/L	5	<4U	<0.2U	-	<0.1U	<0.29U
Calcium, Dissolved (Filtered)	µg/L		160,000	217,000	-	358,000	455,000
Chromium, Dissolved (Filtered)	µg/L	50	<50U	1.56	-	1.6J	<0.89U
Cobalt, Dissolved (Filtered)	µg/L		<20U	0.33J	-	<0.1U	<0.81U
Copper, Dissolved (Filtered)	µg/L	200	<50U	0.68J	-	<0.3U	<1.92U
Iron, Dissolved (Filtered)	µg/L	300	1,200	19,400	-	26,500	19,200
Lead, Dissolved (Filtered)	µg/L	25	<4U	<1U	-	<0.1U	<1.71U
Magnesium, Dissolved (Filtered)	µg/L	35000 ^{#1}	8,200	11,600	-	17,900	24,300
Manganese, Dissolved (Filtered)	µg/L	300	810	971.8	-	1,939	1,551
Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	<0.2U	-	<0.06U	<0.06U
Nickel, Dissolved (Filtered)	µg/L	100	<50U	3.29	-	5	<2.78U
Potassium, Dissolved (Filtered)	µg/L		19,000	17,800	-	25,500	33,600
Selenium, Dissolved (Filtered)	µg/L	10	<40U	1.08J	-	<1U	<8.65U
Silver, Dissolved (Filtered)	µg/L	50	<20U	<0.4U	-	<0.1U	<0.81U
Sodium, Dissolved (Filtered)	µg/L	20000	450,000J	500,000	-	866,000	1,320,000
Thallium, Dissolved (Filtered)	µg/L	0.5 ^{#1}	<10U	<0.5U	-	<0.1U	<0.71U
Vanadium, Dissolved (Filtered)	µg/L		<50U	0.48J	-	<0.6U	<7.85U
Zinc, Dissolved (Filtered)	µg/L	2000 ^{#1}	<50U	3.82J	-	<2.6U	<17.05U

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Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

		Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1
ChemName	Units	TOGS 1.1.1					
Total Metals							
Aluminum, Total	µg/L		1,700J	4,070	1,660	1,110	16.9
Antimony, Total	µg/L	3	<12U	4.21	2.4	0.8J	<0.42U
Arsenic, Total	µg/L	25	<8U	19.91	8.5	2.7	1.4
Barium, Total	µg/L	1000	160	167.5	224.5	225.3	277.4
Beryllium, Total	µg/L	3 ^{#1}	<4U	0.21J	<0.5U	<0.2U	<0.1U
Cadmium, Total	µg/L	5	<4U	2.45	0.1J	0.4	0.08J
Calcium, Total	µg/L		280,000	240,000	84,900	181,000	256,000
Chromium, Total	µg/L	50	<50U	14.57	10.1	18.8	2.73
Cobalt, Total	µg/L		<20U	6.66	2.3	2	1.36
Copper, Total	µg/L	200	<50U	88.29	26.2	18.3	<0.38U
Iron, Total	µg/L	300	9,000J	30,600	24,000	7,430	3,690
Lead, Total	µg/L	25	49J	375.6	165.3	76.1	0.83J
Magnesium, Total	µg/L	35000 ^{#1}	120,000	137,000	33,800	31,500	39,900
Manganese, Total	µg/L	300	790	1,016	624.2	2,788	2,707
Mercury, Total	µg/L	0.7	<1U	12.5	0.36	0.1J	<0.06U
Nickel, Total	µg/L	100	<50U	45.52	6.1	20.4	7.27
Potassium, Total	µg/L		48,000	70,000	15,300	16,500	19,200
Selenium, Total	µg/L	10	<40U	1.18J	<5U	<1U	<1.73U
Silver, Total	µg/L	50	<20U	0.33J	<0.4U	0.1J	<0.16U
Sodium, Total	µg/L	20000	660,000J	1,130,000	215,000	333,000	478,000
Thallium, Total	µg/L	0.5 ^{#1}	<10U	0.11J	<0.5U	<0.1U	<0.14U
Vanadium, Total	µg/L		<50U	22.13	7.6	4.1J	<1.57U
Zinc, Total	µg/L	2000 ^{#1}	76	1,320	69.9	114.1	3.89J
Dissolved Metals							
Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	4J	-
Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	0.7J	-
Arsenic, Dissolved (Filtered)	µg/L	25	<8U	-	-	1	-
Barium, Dissolved (Filtered)	µg/L	1000	160	-	-	213.5	-
Beryllium, Dissolved (Filtered)	µg/L	3 ^{#1}	<4U	-	-	<0.2U	-
Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	<0.1U	-
Calcium, Dissolved (Filtered)	µg/L		310,000	-	-	247,000	-
Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	3.3	-
Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	1.7	-
Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	<0.3U	-
Iron, Dissolved (Filtered)	µg/L	300	750	-	-	2,090	-
Lead, Dissolved (Filtered)	µg/L	25	<4U	-	-	0.1J	-
Magnesium, Dissolved (Filtered)	µg/L	35000 ^{#1}	140,000	-	-	32,800	-
Manganese, Dissolved (Filtered)	µg/L	300	860	-	-	3,892	-
Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	<0.06U	-
Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	14.6	-
Potassium, Dissolved (Filtered)	µg/L		54,000	-	-	16,800	-
Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	<1U	-
Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	<0.1U	-
Sodium, Dissolved (Filtered)	µg/L	20000	750,000J	-	-	470,000	-
Thallium, Dissolved (Filtered)	µg/L	0.5 ^{#1}	<10U	-	-	<0.1U	-
Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	<0.6U	-
Zinc, Dissolved (Filtered)	µg/L	2000 ^{#1}	<50U	-	-	<2.6U	-

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

^{#1} - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-1	MW-1	MW-1	MW-1	MW-1
ChemName	Units	TOGS 1.1.1					
General Chemistry							
Alkalinity, Total	µg/L		347,000	400,000	766,000	437,000	398,000
Biological Oxygen Demand, Five day	µg/L		10,600	<50,000U	<40,000U	<10,000U	5,400
Chemical Oxygen Demand	µg/L		690,000	1,300,000	2,800,000	46,000	20,000
Chloride	µg/L	250000	-	600,000	540,000	560,000	840,000
Total Organic Carbon	µg/L		5,400	10,600	7,500	3,500	1,700
Total Organic Halogen	ug/l		-	<20U	<20U	27.7	54
PCBs							
Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U
Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U
Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U
Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.043J
Aroclor 1248	µg/L		<0.05U	0.768	1.46	0.286	<0.014U
Aroclor 1254	µg/L		<0.05U	0.416	0.746	0.137	<0.022U
Aroclor 1260	µg/L		<0.05U	<0.083U	0.119	<0.023U	<0.023U
Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-
Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-
PCBs, Total	µg/L	0.09	<0.05U	1.18	2.33	0.423	0.043

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
ChemName	Units	TOGS 1.1.1					
General Chemistry							
Alkalinity, Total	µg/L		308,000	312,000	317,000	271,000	281,000
Biological Oxygen Demand, Five day	µg/L		<6,000U	<10,000U	<5,000U	<2,000U	<2,000U
Chemical Oxygen Demand	µg/L		32,900	74,000	55,000	22,000	18,000
Chloride	µg/L	250000	-	270,000	340,000	340,000	430,000
Total Organic Carbon	µg/L		2,800	11,200	3,200	2,600	2,300
Total Organic Halogen	ug/l		-	26.9	20.9	14.1J	41.1
PCBs							
Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U
Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U
Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U
Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U
Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U
Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	0.034J	<0.022U
Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U
Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-
Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-
PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	0.034J	<0.014

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

		Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-4	MW-4	MW-4	MW-4	MW-4
ChemName	Units	TOGS 1.1.1					
General Chemistry							
Alkalinity, Total	µg/L		446,000	186,000	83,400	96,800	484,000
Biological Oxygen Demand, Five day	µg/L		11,700	<5,000U	<5,000U	4,300	<5,000U
Chemical Oxygen Demand	µg/L		1,170,000	150,000	110,000	99,000	82,000
Chloride	µg/L	250000	-	460,000	560,000	620,000	640,000
Total Organic Carbon	µg/L		26,900	52,100	25,000	25,000	17,000
Total Organic Halogen	ug/l		-	47.4	50.5	36.9	42
PCBs							
Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U
Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U
Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U
Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.045J
Aroclor 1248	µg/L		<0.05U	0.11	<0.083U	<0.014U	<0.014U
Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U
Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U
Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-
Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-
PCBs, Total	µg/L	0.09	<0.05U	0.11	<0.083U	<0.012U	0.045

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-5	MW-5	MW-5	MW-5	MW-5
ChemName	Units	TOGS 1.1.1					
General Chemistry							
Alkalinity, Total	µg/L		637,000	387,000	455,000	370,000	377,000
Biological Oxygen Demand, Five day	µg/L		21,000	13,000	7,400	<40,000U	<2,000U
Chemical Oxygen Demand	µg/L		324,000	220,000	260,000	150,000	73,000
Chloride	µg/L	250000	-	1,400,000	1,900,000	4,600,000	3,100,000
Total Organic Carbon	µg/L		18,800	23,200	13,000	6,200	9,000
Total Organic Halogen	ug/l		-	66.5	41.4	72.2	81.1
PCBs							
Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U
Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U
Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U
Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U
Aroclor 1248	µg/L		<0.05U	0.195	0.216	<0.014U	<0.014U
Aroclor 1254	µg/L		<0.05U	0.17	0.153	<0.022U	<0.022U
Aroclor 1260	µg/L		<0.05U	0.084	0.103	<0.023U	<0.023U
Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-
Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-
PCBs, Total	µg/L	0.09	<0.05U	0.449	0.472	<0.012U	<0.014

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

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Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-6	MW-6	MW-6	MW-6	MW-6
ChemName	Units	TOGS 1.1.1					
General Chemistry							
Alkalinity, Total	µg/L		530,000	560,000	807,000	718,000	492,000
Biological Oxygen Demand, Five day	µg/L		12,300	26,000	48,000	29,000	15,000
Chemical Oxygen Demand	µg/L		994,000	320,000	180,000	580,000	71,000
Chloride	µg/L	250000	-	620,000	660,000	780,000	980,000
Total Organic Carbon	µg/L		24,000	35,100	21,000	22,000	16,000
Total Organic Halogen	ug/l		-	47.4	35.7	30.5	50.8
PCBs							
Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U
Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U
Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U
Aroclor 1242	µg/L		<0.05U	0.279	<0.083U	<0.014U	0.026J
Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U
Aroclor 1254	µg/L		<0.05U	0.187	<0.083U	0.022J	<0.022U
Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U
Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-
Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-
PCBs, Total	µg/L	0.09	<0.05U	0.466	<0.083U	0.022J	0.026

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-7	MW-7	MW-7	MW-7	MW-7
ChemName	Units	TOGS 1.1.1					
General Chemistry							
Alkalinity, Total	µg/L		291,000	330,000	323,000	319,000	265,000
Biological Oxygen Demand, Five day	µg/L		10,300	14,000	3,300	<2,000U	<2,000U
Chemical Oxygen Demand	µg/L		199,000	35,000	19,000J	37,000	4,100J
Chloride	µg/L	250000	-	250,000	240,000	170,000	91,000
Total Organic Carbon	µg/L		5,200	6,440	3,900	4,000	2,700
Total Organic Halogen	ug/l		-	50.4	27.9	26.3	63.6
PCBs							
Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U
Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U
Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U
Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U
Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U
Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U
Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U
Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-
Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-
PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	<0.012U	<0.014

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

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J - Indicates an estimated value

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

		Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-8	MW-8	MW-8	MW-8	MW-8
ChemName	Units	TOGS 1.1.1					
General Chemistry							
Alkalinity, Total	µg/L		613,000	575,000	564,000	521,000	505,000
Biological Oxygen Demand, Five day	µg/L		<6,000U	3,400	<2,000U	<2,000U	2,800
Chemical Oxygen Demand	µg/L		359,000	49,000	42,000	56,000	55,000
Chloride	µg/L	250000	-	740,000	940,000	1,400,000	2,300,000
Total Organic Carbon	µg/L		5,500	7,620	2,200	1,600	1,000
Total Organic Halogen	ug/l		-	40.5	62.1	11.9J	40.8
PCBs							
Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U
Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U
Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U
Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U
Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U
Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U
Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U
Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-
Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-
PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	<0.012U	<0.014

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

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J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual
		Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1
ChemName	Units	TOGS 1.1.1					
General Chemistry							
Alkalinity, Total	µg/L		-	391,000	315,000	436,000	403,000
Biological Oxygen Demand, Five day	µg/L		-	23,000	<5,000U	<10,000U	<2,000U
Chemical Oxygen Demand	µg/L		-	230,000	80,000	44,000	27,000
Chloride	µg/L	250000	-	1,300,000	350,000	560,000	840,000
Total Organic Carbon	µg/L		-	22,700	3,400	3,400	1,800
Total Organic Halogen	ug/l		-	46.1	22	24.7	61.1
PCBs							
Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U
Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U
Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U
Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.061
Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	0.41	<0.014U
Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	0.238	<0.022U
Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U
Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-
Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-
PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	0.648	0.061

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

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(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Appendices

Appendix A

Institutional and Engineering Controls Certification Form



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. C224133		
Site Name Frito Lay		
Site Address: 202-218 Morgan Avenue	Zip Code: 11237	
City/Town: Brooklyn		
County: Kings		
Site Acreage: 2.8		
Reporting Period: November 22, 2016 to November 22, 2017		
		YES NO
1. Is the information above correct?		☒ ☐
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?		☐ ☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		☐ ☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		☐ ☒
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?		☐ ☒
		Box 2
		YES NO
6. Is the current site use consistent with the use(s) listed below? Industrial		☒ ☐
7. Are all ICs/ECs in place and functioning as designed?		☒ ☐
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

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

☐ ☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

☒ ☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C224133**Box 3****Description of Institutional Controls**

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
3-02942-0105	Rolling Frito Lay Sales, LP	Soil Management Plan Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan
A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP). The ICs are: Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns; All ECs must be operated and maintained as specified in the SMP; All ECs must be inspected at a frequency and in a manner defined in the SMP. Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP; Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP; All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP; Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are: The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed. The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC; All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP; The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use; The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;		

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0111

Rolling Frito Lay Sales, LP

Soil Management Plan
Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0112

Rolling Frito Lay Sales, LP

Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan
Soil Management Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Box 4

Description of Engineering Controls

Parcel

3-02942-0105

Engineering Control

Vapor Mitigation

Cover System

Subsurface Barriers

Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to

Parcel**Engineering Control**

discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0111

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0112

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards

Parcel

Engineering Control

or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

☒ ☐

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

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

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

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

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

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

YES NO

☒ ☐

**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. C224133

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 Cedric Robinson at 7701 Legacy Drive, Plano, TX 75024
print name print business address

am certifying as Owner (Owner or Remedial Party)

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

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

1/4/18
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

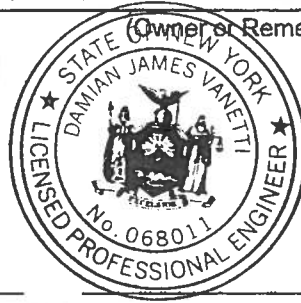
I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Damian J. Vanetti at GHD Consulting Services Inc.
print name One Remington Park Drive, Cazenovia, NY 13035
print business address

am certifying as a Professional Engineer for the Owner
(Owner or Remedial Party)



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



Stamp
(Required for PE)

1/5/18
Date

Appendix B

Annual Inspection Form

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITE NUMBER C224133

NAME OF INSPECTOR: Damian Vanetti

COMPANY OF INSPECTOR: GHD

DATE OF INSPECTION: 11-16-17

CURRENT USE OF THE SITE: Frito Lay Parking Lot

HAS A CHANGE OF LAND-USE OCCURRED SINCE THE LAST INSPECTION?
☐ YES ☒ NO

IF YES, EXPLAIN HOW THE SITE HAS CHANGED: _____

IS THERE EVIDENCE OF LAND-USE OTHER THAN FOR INDUSTRIAL SINCE THE LAST INSPECTION?
☐ YES ☒ NO

IF YES, EXPLAIN THE NON-INDUSTRIAL LAND USE: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? ☐ YES ☒ NO

IF YES, EXPLAIN HOW THE SITE HAS CHANGED: _____

GENERAL DESCRIPTION OF THE COVER: Soil cover around perimeter of paving to south and east. Rip rap cover to south outside fence line. Soil cover to east outside fence line. Soil cover in south west corner. Remainder is asphalt pavement and concrete curbs.

HAS THE COVER BEEN COMPROMISED? ☐ YES ☒ NO

IF YES, EXPLAIN HOW THE COVER HAS CHANGED: _____

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITE NUMBER C224133

IS THERE A VISABLE CHANGE IN THE DESIGNATED DRAINAGE PATTERN?

____ YES ☒ NO

IF YES, EXPLAIN WHERE THE VISABLE CHANGE IN THE DESIGNATED DRAINAGE PATTERN ARE LOCATED: _____

IS SETTLEMENT OR SUBSIDNCE VISIBLE?

____ YES ☒ NO

IF YES, EXPLAIN WHERE SETTLEMENT OR SUBSIDNCE VISIBLE IS LOCATED: _____

ARE SIGNIFICANT EROSION RILLS OR CRACKING PRESENT?

____ YES ☒ NO

IF YES, EXPLAIN WHERE EROSION RILLS OR CRACKING ARE PRESENT: _____

Minor surface cracks in asphalt pavement

ARE ALL GROUNDWATER MONITORING WELLS MAINTAINED PROPERLY AND IN GOOD PHYSICAL CONDITION?

☒ YES ____ NO *see photos*

IF NO, EXPLAIN HOW THE GROUNDWATER MONITORING WELLS HAVE BEEN COMPROMISED: _____



LEGEND:
 ◆ MW-1
 Groundwater Monitoring Well
 Location and ID

Job Number 86-16480
 Revision A
 Date 07 06 2017
Figure 2

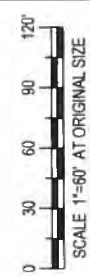
Rolling Frito-Lay Sales, LP
 202-218 Morgan Avenue BCP Site
 Brooklyn, NY (BCP Site #C224133)

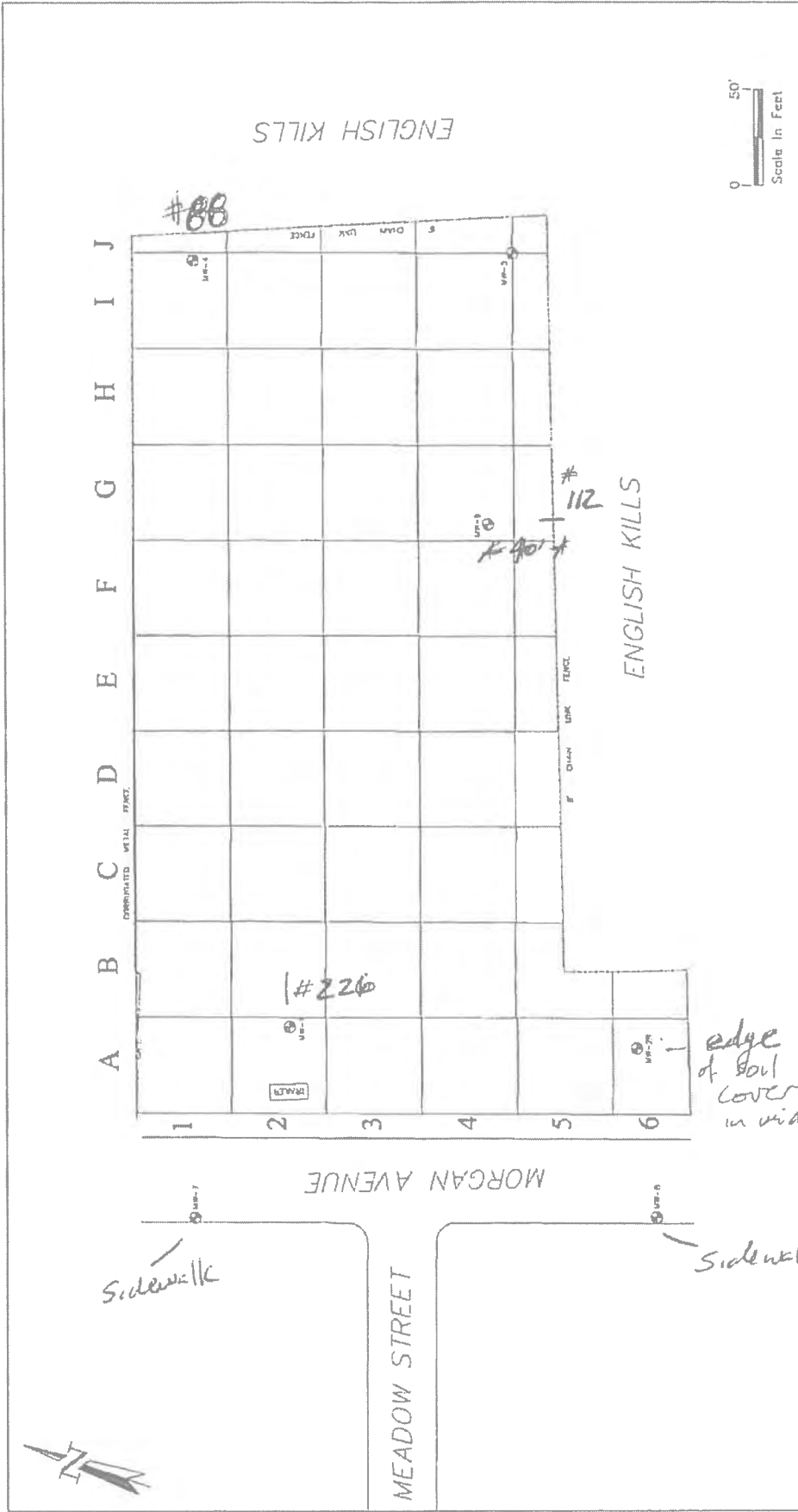


Site Layout

One Remington Park Drive, Cazenovia NY 13035 USA T 1 315 679 5800 F 1 315 679 5801 E cazmai@ghd.com W www.ghd.com

NOTES:
 1. Aerial photograph is a 2014 4-inch resolution true color image taken from the U.S. Geological Survey website
 http://earthexplorer.usgs.gov/
 2. Site features taken from an as-built field survey completed by PDS&S on August 21, 2013





MONITORING WELL LOCATIONS
FRITO LAY, INC.
202-218 MORGAN AVENUE, BROOKLYN, NEW YORK

LEGEND
● MONITORING WELL
NOTE: THIS DEC TOGS IS THE NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TECHNICAL AND OPERATIONAL GUIDANCE SERIES

Appendix C

Approval Notification for EQUIS Database Submittal

Ian McNamara

From: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Sent: Wednesday, August 02, 2017 1:50 PM
To: Ian McNamara
Cc: Post, Charles H (DEC)
Subject: RE: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2017 Groundwater Monitoring EQUIS Submittal

CompleteRepository: 8616480
Description: Frito-Lay Brooklyn BCP
JobNo: 16480
OperatingCentre: 86
RepoEmail: 8616480@ghd.com
RepoType: Job

Ian,

Thank you, I appreciate the initiative you've shown, creating a revised copy for the previously loaded EDD as well. Accordingly, we've rolled back the data we loaded from 20160629 1239.C224133.NYSDEC and loaded your replacement, 20170731 1426.C224133.NYSDEC.

We've successfully uploaded the dataset 20170731 1424.C224133.NYSDEC to Frito Lay in the NYSDEC database as well.

Aaron
NYSDEC EIMS Team



From: Ian McNamara [mailto:ian.McNamara@ghd.com]
Sent: Monday, July 31, 2017 2:28 PM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: Post, Charles H (DEC) <charles.post@dec.ny.gov>
Subject: RE: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2017 Groundwater Monitoring EQUIS Submittal

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hello,
Attached is a revised EDD for the May 2017 sampling event adding a date to the Trip Blank sample code.
I also included a revised EDD for the May 2016 sampling event if you would like to upload to correct the previous discrepancy with the Trip Blank sample.
Thanks,
Ian

Ian McNamara, GIT (PA)
Scientist III

GHD

T: 1 315 679 5732 | M: 1 315 368 8432 | V: 865732 | E: ian.mcnamara@ghd.com
One Remington Park Drive Cazenovia New York 13035 USA | www.ghd.com
[WATER](#) | [ENERGY & RESOURCES](#) | [ENVIRONMENT](#) | [PROPERTY & BUILDINGS](#) | [TRANSPORTATION](#)

Please consider the environment before printing this email

From: dec.sm.NYENVDATA [<mailto:NYENVDATA@dec.ny.gov>]
Sent: Monday, July 31, 2017 2:13 PM
To: Ian McNamara <ian.McNamara@ghd.com>
Cc: Post, Charles H (DEC) <charles.post@dec.ny.gov>
Subject: RE: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2017 Groundwater Monitoring EQUIS Submittal

Ian,

Your firm has submitted the sample code 'TRIP BLANK' before, for a sample collected in May of 2016. If we load 20170725 1107.C224133.NYSDEC to the NYSDEC database as-is, it will merge the new 'TRIP BLANK' information for your trip blank sample collected in May of 2017 with the old trip blank sample. We'll load your data as-is if the NYSDEC Project Manager, copied on this message, insists that we do so – but anyone generating reports from the C224133 data we will have loaded to the database will be confronted with misleading information relating to the 'TRIP BLANK' sample. Either the sample 'TRIP BLANK' can have the sampling date from May of 2016 or the date from 2017. It can't have both.

In the meantime, we've loaded the data from the 20170725 1103.C224133.NYSDEC dataset. The data is available for use within the system.

Thank you,
Aaron
NYSDEC EIMS Team



From: Ian McNamara [<mailto:ian.McNamara@ghd.com>]
Sent: Friday, July 28, 2017 8:37 AM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: Post, Charles H (DEC) <charles.post@dec.ny.gov>
Subject: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2017 Groundwater Monitoring EQUIS Submittal

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hello,

Attached are 2 EDDs for the 2017 Annual sampling event at the above referenced site. One contains field parameters and water levels and one contains analytical results.

Please let me know if edits are needed for a successful upload.

Thank you,

Ian

Ian McNamara, GIT (PA)
Scientist III

GHD

T: 1 315 679 5732 | M: 1 315 368 8432 | V: 865732 | E: ian.mcnamara@ghd.com
One Remington Park Drive Cazenovia New York 13035 USA | www.ghd.com



Periodic Review Report

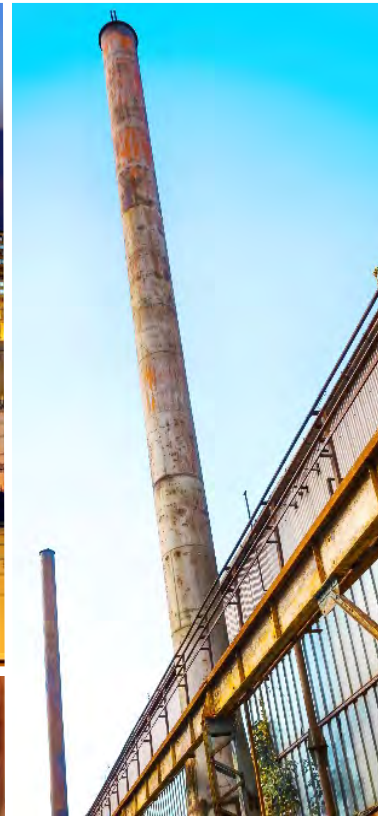
202 – 218 Morgan Avenue BCP Site

BCP Site #C224133

November 22, 2017 to November 22, 2018

Reporting Period

Rolling Frito-Lay Sales, LP





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



Site No. C224133

Site Details

Box 1

Site Name Frito Lay

Site Address: 202-218 Morgan Avenue Zip Code: 11237
City/Town: Brooklyn
County: Kings
Site Acreage: 2.8

Reporting Period: November 22, 2017 to November 22, 2018

YES NO

1. Is the information above correct?

☒ ☐

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?

☐ ☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

☐ ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

☐ ☒

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?

☐ ☒

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?
Industrial

☒ ☐

7. Are all ICs/ECs in place and functioning as designed?

☒ ☐

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

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

☐ ☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

☒ ☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C224133**Box 3****Description of Institutional Controls**

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
3-02942-0105	Rolling Frito Lay Sales, LP	Soil Management Plan Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan
A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP). The ICs are: Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns; All ECs must be operated and maintained as specified in the SMP; All ECs must be inspected at a frequency and in a manner defined in the SMP. Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP; Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP; All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP; Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are: The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed. The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC; All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP; The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use; The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;		

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0111

Rolling Frito Lay Sales, LP

Soil Management Plan
Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0112

Rolling Frito Lay Sales, LP

Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan
Soil Management Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Box 4

Description of Engineering Controls

Parcel

3-02942-0105

Engineering Control

Vapor Mitigation

Cover System

Subsurface Barriers

Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to

Parcel**Engineering Control**

discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0111

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

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Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0112

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards

Parcel

Engineering Control

or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

☒ ☐

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

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

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

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

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

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

YES NO

☒ ☐

**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. C224133

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 Cedric Robinson at 7701 Legacy Drive, Plano, TX 75025
print name print business address

am certifying as Owner (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

1/7/19
Date

IC/EC CERTIFICATIONS

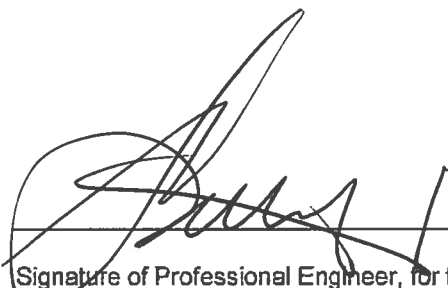
Box 7

Professional Engineer Signature

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

I Damian J. Vanetti at GHD Consulting Services Inc.
print name print business address
One Remington Park Drive, Cazenovia, NY 13035

am certifying as a Professional Engineer for the Owner
(Owner or Remedial Party)



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



Stamp
(Required for PE)

1-7-19
Date



Executive Summary

The 202-218 Morgan Avenue Brownfield Cleanup Program (BCP) Site (BCP Site #224133) consists of approximately 2.85-acres of land located at 202-218 Morgan Avenue, Borough of Brooklyn, Kings County, New York. The Site owner is Rolling Frito-Lay Sales, LP (Frito-Lay). The Site soil and groundwater was historically found to be contaminated with metals, polychlorinated biphenyls (PCBs), semi-volatile organic compounds (SVOCs), and volatile organic compounds (VOCs), and Site soil vapor was found to be contaminated with volatile organic compounds (VOCs). The Site was remediated to industrial use cleanup standards and received a Certificate of Completion (COC) from the New York State Department of Environmental Conservation (NYSDEC) on November 6, 2013.

The Site is currently in the monitoring stage, including annual inspections and annual groundwater monitoring, with groundwater samples being collected from on-Site and off-Site monitoring wells. In general, increasing and decreasing concentrations are observed for the various parameters across the Site, with no distinct discernable trends recognizable at this time. However, off-Site groundwater monitoring well MW-7 appears to have a generally increasing trend in concentrations of chlorinated VOCs, with tetrachloroethene being detected above groundwater standards for the second year in a row. In addition, concentrations of trichloroethene, cis-1,2-dichloroethene, and vinyl chloride have historically been detected at concentrations above groundwater standards in samples taken from MW-7 and appear to further indicate a generally increasing trend in chlorinated VOC concentrations off-site. The concentrations of detected compounds in Site groundwater samples do not indicate the need for further assessment or further action at this time. It is noted that the Site groundwater quality could be influenced by the adjacent English Kills and/or upgradient groundwater for certain compounds.

The institutional controls and engineering controls for the Site remain in place and effective for protecting human health and the environment. The soil cover engineering controls remain in place and functioning as intended. At the time of the annual Site inspection (November 15, 2018), it was noted that minor vegetation growth should be removed from the area around monitoring well MW-2R and woody vegetation should be removed from the stone rip-rap portion of the Site during regular maintenance. Woody growth should be monitored periodically as part of routine maintenance to determine if removal is required. Annual groundwater monitoring has been completed in accordance with the Site Management Plan (SMP). There are no new buildings constructed on-Site and the existing warehouse on the adjacent property to the north has not been expanded. As a result, there is no need for a sub-slab depressurization system (SSDS) engineering control. The institutional and engineering controls certification form, as issued by the Department, has been completed and included Attachment 1 at the beginning of this report.

There is no need to revise the SMP or propose a change to the frequency of PRR submittals at this time. Groundwater will continue to be monitored on an annual basis and Site inspections will continue to be performed on an annual basis, in accordance with the SMP. If buildings are constructed in the future they will be evaluated to determine if mitigation of soil vapor intrusion is necessary. The requirements necessary to discontinue Site monitoring and Site Engineering and Institutional Controls have not been met at this time.



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Figure 1 – Site Location Map

Figure 2 – Site Layout

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Table 1 – Groundwater Elevation Data

Table 2 – Groundwater Field Parameter Data

Table 3 – Summary of Groundwater Sample Laboratory Analytical Results



Attachment and Appendix Index

Attachment 1	Institutional and Engineering Controls Certification Form (prior to Executive Summary)
Appendix A	Annual Inspection Form
Appendix B	Approval Notifications for EQUIS Database Submittals



1. Introduction

1.1 Purpose

This Periodic Review Report (PRR) is being submitted on behalf of Rolling Frito-Lay Sales, LP (Frito-Lay) for the 202-218 Morgan Avenue Brownfield Cleanup Program (BCP) Site (BCP Site No. C224133) located at 202-218 Morgan Avenue, Borough of Brooklyn, Kings County, New York (Figure 1). The purpose of this PRR, and attached documents, is to document that institutional and engineering controls, as described in the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP) and Environmental Easement (EE), are in place in accordance with 6NYCRR Part 375-3. The following elements are included in this report:

- A complete description of all institutional and/or engineering controls employed at the Site
- An evaluation of the plans developed for implementation of the engineering and institutional controls, regarding the continued effectiveness of any institutional and/or engineering controls required by the decision document for the Site
- A certification prepared by a professional engineer or qualified environmental professional that the institutional controls and/or engineering controls employed at the Site during the period are:
 - o Unchanged from the previous certification, unless approved by the Department, consistent with the SMP
 - o In place and effective
 - o Performing as designed, and that nothing has occurred that would (1) impair the ability of the controls to protect public health and the environment, or (2) constitute a violation or failure to comply with any operation and maintenance plan for such controls
- The institutional and engineering controls certification form as issued by the Department has been completed and included at the beginning of this report.
- Data tables and figures depicting results of annual groundwater monitoring activities conducted on- and off-Site.

1.2 Certification Period

NYSDEC requested that this PRR cover the period between November 22, 2017 and November 22, 2018. During this period, Frito-Lay performed regular inspections of the soil cover engineering control on-Site. GHD Consulting Services Inc. (GHD), on behalf of Frito-Lay, performed annual groundwater monitoring, conducted an annual visual inspection of engineering controls on-Site, and prepared this PRR.



1.3 Scope and Limitations

This report has been prepared by GHD for Rolling Frito-Lay Sales, LP and may only be used and relied on by Rolling Frito-Lay Sales, LP for the purpose agreed between GHD and Rolling Frito-Lay Sales, LP as set out in Section 1.1 of this report.

GHD otherwise disclaims responsibility to any person other than Rolling Frito-Lay Sales, LP arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

GHD has prepared this report based in part on information provided by Rolling Frito-Lay Sales, LP and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

The opinions, conclusions and any recommendations in this report are based on information obtained from, and testing undertaken at or in connection with, specific sample points. Site conditions at other parts of the Site may be different from the Site conditions found at the specific sample points.

Investigations undertaken in respect of this report are constrained by the particular Site conditions, such as the location of buildings, services and vegetation. As a result, not all relevant Site features and conditions may have been identified in this report.

Site conditions (including the presence of hazardous substances and/or Site contamination) may change after the date of this report. GHD does not accept responsibility arising from, or in connection with, any change to the Site conditions. GHD is also not responsible for updating this report if the Site conditions change without further authorization to do so by Rolling Frito-Lay Sales, LP.



2. Site Overview

The Site is located in the Borough of Brooklyn, Kings County, New York and is identified as Block 2942 and Lots 105, 111, and 112 on the NYSDEC Institutional and Engineering Controls Certification Form. Information obtained from the New York City Finance Department online Tax Maps identifies the Site as Block 2942 and Lot 105, with no matching records for Lots 111 and 112. The Site is approximately 3.23-acres of land, of which approximately 2.85-acres were entered into the BCP. The Site is bound by an adjacent parcel to the north owned by Rolling Frito-Lay Sales, LP and used for distribution activities; English Kills to the east; the English Kills basin and an adjacent industrial parcel to the south; and Morgan Avenue to the west with commercial and industrial properties further west (see Figure 2).

The Site is currently developed with an asphalt pavement parking area used for parking Frito-Lay delivery vehicles and employee vehicles. The portion of the Site not occupied by asphalt pavement consists of minor grass covered landscaping areas and rip-rap adjacent to English Kills and the English Kills basin.

The Remedial Investigation (RI), which was conducted under Brownfield Cleanup Agreement (BCA Index #A2-0622-0709) during 2009 and 2010, characterized the nature and extent of contamination at the Site. The results of the RI, as reported in the *Revised Remedial Investigation Report* (Gannett Fleming, P.C., July 2010) and the *Supplemental Remedial Investigation and Second Supplemental Remedial Investigation Report* (Gannett Fleming, P.C., April 2011) determined that contaminants of concern (COCs) were present in Site soil, groundwater, and soil vapor. It was determined that Site surface and subsurface soils contained arsenic, lead, mercury, polychlorinated biphenyls (PCBs), and semi-volatile organic compounds (SVOCs) at concentrations that exceeded the Unrestricted Use Soil Cleanup Objectives (SCOs). Analytical results of Site groundwater samples identified arsenic, lead, and volatile organic compounds (VOCs) at concentrations that exceeded the Technical and Operational Guidance Series (TOGS) Class GA groundwater standards or guidance values. VOCs were also detected in Site soil vapor samples.

A Remedial Work Plan (RWP) was prepared by Gannett Fleming, P.C. (August 2011). The remedial goals for the Site included:

- removing or eliminating significant threats to human health and the environment
- protecting human health and the environment during the contemplated future use of the Site, which was identified as industrial, heavy manufacturing, in accordance with the BCA and DER-10.

The proposed remedial approach was to remediate the Site to a Track 4 Restricted Use by meeting the Industrial Use SCOs. This remediation approach included excavation of soil/fill exceeding Site-specific remedial action objectives (RAOs), excavation of soil/fill exceeding the Industrial Use SCOs, and implementation of engineering/institutional controls. Remedial activities were completed at the Site in February 2013. Soil/fill excavation included:

- the removal of approximately 16,513 tons of hazardous PCB soil (PCB concentrations in excess of 50 mg/kg)



- the removal of approximately 4,096 tons of non-hazardous PCB soil (PCB concentrations in excess of 10 mg/kg or 25 mg/kg, depending on the excavation area)
- the removal of approximately 619 tons of arsenic, lead, and mercury contaminated soil with concentrations exceeding the Protection of Groundwater and/or Industrial Use SCOs
- the placement of imported clean fill material back into the excavation areas.

Excavated soil/fill was transported for off-Site disposal. The PCB excavated soils that were identified as hazardous were reportedly managed in accordance with TSCA regulations.

The selected remedy for groundwater remediation was natural attenuation, based on the fact that VOC daughter products were present in several on-Site groundwater monitoring wells, which suggests that degradation is occurring and can be expected to continue over time. Also, sensitive receptors were not identified downgradient of the Site and the Site and surrounding area is serviced by a municipal water supply system.

The engineering controls for the Site consist of maintaining the soil cover system and requiring the installation of a sub-slab depressurization system (SSDS) in any new buildings constructed on-Site, or in future expansions added to the Frito-Lay warehouse located on the adjoining property to the north. The institutional controls include a Site groundwater use restriction, a Site use restriction restricting the use to industrial uses, and the requirement that a SSDS will be installed in any future buildings constructed on-Site.

An Environmental Easement (EE) for the Site was filed with the Kings County Clerk's Office on September 20, 2013. A Site Management Plan, which outlines Site restrictions and requirements of future maintenance and monitoring, was completed in September 2013. A Certificate of Completion allowing for industrial uses of the Site was received from the NYSDEC on November 6, 2013.

The reader of this PRR may refer to previous reports for more detail, as needed. These reports include:

- *Subsurface Investigation*, Gannett Fleming, P.C., 2003.
- *Phase I Environmental Site Assessment*, Gannett Fleming, P.C., 2006.
- *Surface Pile Characterization Work Plan*, Gannett Fleming, P.C., 2007.
- *Phase II Environmental Site Assessment*, Gannett Fleming, P.C., 2007.
- *Remedial Investigation*, Gannett Fleming, P.C., 2009.
- *Supplemental Remedial Investigation*, Gannett Fleming, P.C., 2010.
- *Second Supplemental Remedial Investigation*, Gannett Fleming, P.C., 2011.
- *Remedial Work Plan*, Gannett Fleming, P.C., 2011.
- *Site Management Plan*, Frito-Lay, Brooklyn, New York, NYSDEC Site Number: C224133, Gannett Fleming Engineers, P.C., September 2013.
- *Final Engineering Report*, Frito-Lay, Brooklyn, Kings County, New York, NYSDEC Site Number: C224133, Gannett Fleming Engineers, P.C., October 2013.
- *202-218 Morgan Avenue BCP Site Annual Post-Remediation Groundwater Monitoring Letter Report*, GHD Consulting Services Inc., August 1, 2014.



- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 6, 2013 – November 22, 2014, GHD Consulting Services Inc., December 2014.*
- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Annual Post-Remediation Groundwater Monitoring – 2015, GHD Consulting Services Inc., August 12, 2015.*
- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2014 – November 22, 2015, GHD Consulting Services Inc., February 12, 2016.*
- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Annual Post-Remediation Groundwater Monitoring – 2016, GHD Consulting Services Inc., September 15, 2016.*
- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2015 – November 22, 2016, GHD Consulting Services Inc., January 6, 2017.*
- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Annual Post-Remediation Groundwater Monitoring – 2017, GHD Consulting Services Inc., July 28, 2017.*
- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2016 – November 22, 2017, GHD Consulting Services Inc., January 5, 2018.*
- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Annual Post-Remediation Groundwater Monitoring – 2018, GHD Consulting Services Inc., August 20, 2018.*



3. Institutional and Engineering Controls

Based on identified soil, groundwater, and soil vapor contamination, and the Site's past and present use, institutional and engineering controls are utilized at the Site to limit exposure risks. These institutional and engineering controls are described below.

3.1 Institutional Controls

The institutional controls (ICs) for this Site are outlined in the NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013) and adherence to these ICs is required by the Environmental Easement. The ICs for the Site include the following:

- the property may only be used for industrial uses provided that the long-term engineering and institutional controls included in the NYSDEC-approved SMP are employed
- the property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and/or commercial use without additional remediation and amendment of the EE, as approved by the NYSDEC
- all future activities on the property that will disturb remaining contamination must be conducted in accordance with the NYSDEC-approved SMP
- the use of groundwater underlying the property is prohibited without treatment rendering it safe for intended use and prior approval by NYSDEC
- the potential for soil vapor intrusion must be evaluated for any buildings developed on Site, or expansions added to the existing warehouse to the north, and any potential impacts that are identified must be monitored and/or mitigated
- vegetable gardens and farming on the property are prohibited
- the Site owner or remedial party will submit to the NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and (2) nothing has occurred that impairs the ability of the controls to protect public health and the environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow, and will be made by an expert that the NYSDEC finds acceptable.

3.1.1 Site Use

The Site use has not changed since the NYSDEC issued the Certificate of Completion and is currently used for industrial uses and parking of Frito-Lay company/delivery and employee vehicles.

3.1.2 Groundwater

Groundwater is not being used at the Site.



Monitored natural attenuation groundwater monitoring was conducted as outlined in the NYSDEC-approved SMP during this PRR reporting period (May 2017). Laboratory analytical results were tabulated and submitted to the NYSDEC (GHD, July 28, 2017) and to the NYSDEC's EQulS Database. Results of groundwater monitoring did not warrant revision of the monitoring schedule or analytical list.

3.1.3 Excavations

No excavations occurred on-Site during this PRR's certification period.

3.2 Engineering Controls

The engineering controls (ECs) for this Site are outlined in the NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013), and include the following:

3.2.1 Asphalt and Soil (Engineered) Cover Systems

Direct contact with soil/fill at the Site is mitigated by a soil cover system in place over the entirety of the Site. This soil cover system is comprised of a minimum of 6 inches of asphalt pavement or a minimum of 1-foot of clean soil/fill, consisting of maintained landscape areas or rip rap. The location of the soil cover system is depicted in Figure 3.

The soil cover system was in place for the duration of the certification period and no maintenance was required to amend the soil cover system. At the time of the annual Site inspection (November 15, 2018), it was noted that minor surface cracks were present in the asphalt pavement but were not significant enough to warrant additional action at the time. The remainder of the soil cover system was in good repair.

Additional information can be found in the Institutional and Engineering Controls Certification Form (beginning of this report) and the Annual Inspection Form (Appendix A).

3.2.2 Chain Linked Fence

To prevent unauthorized access to the Site, a 10-foot high chain linked fence was installed along the eastern, western, and southern boundaries. Access to the Site from the northern boundary is controlled by the adjacent property, which is also owned by Frito-Lay.

The chain linked fence was in good condition at the time of the annual Site inspection (November 15, 2018) and appeared to be effective in limiting unauthorized access to the Site.

3.2.3 Sub-Slab Depressurization System

A sub-slab depressurization system (SSDS) will be required to be installed in any new buildings constructed on-Site or if the warehouse on the adjacent property to the north, which is also owned by Frito-Lay, is expanded or renovated.

At the time of the annual Site inspection (November 15, 2018) no new buildings had been constructed on-Site and the adjacent warehouse to the north had not been expanded. Therefore, no SSDS is required at this time.



4. Operations and Monitoring

The NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013) requires annual groundwater monitoring and reporting. The annual monitoring is intended to assess the performance of the remedy and overall reduction in contamination on-Site. The annual groundwater monitoring was completed in accordance with the SMP (Figures 4, 5, 6, and 7 and Tables 1, 2, and 3). The laboratory sample results were transmitted to the NYSDEC in the Annual Post-Remediation Groundwater Monitoring letter report (GHD, August 20, 2018) and were also successfully uploaded into the NYSDEC's EQulS Database on August 3, 2018 (Appendix B). Table 3 summarizes laboratory analytical results of groundwater samples taken since remediation was completed at the Site. The groundwater results are compared to Class GA groundwater quality standards or guidance values from the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1, June 1998 and subsequent addenda).

In general, since post-remediation baseline samples were taken, concentrations of analytes detected in groundwater samples have both increased and decreased, with no consistent Site-wide trends recognizable at this time. Overall the number of contaminants detected above groundwater standards are limited as noted in the tables and figures. However, off-Site groundwater monitoring well MW-7 appears to have a generally increasing trend in concentrations of chlorinated VOCs, with tetrachloroethene being detected above groundwater standards for the second year in a row. In addition, concentrations of trichloroethene, cis-1,2-dichloroethene, and vinyl chloride have historically been detected at concentrations above groundwater standards in samples taken from MW-7 and appear to further indicate a generally increasing trend in chlorinated VOC concentrations off-site. In addition, the concentrations of barium in off-site groundwater monitoring well MW-8 appears to have an increasing trend. The detected contaminants in MW-7 and MW-8 are likely related to an off-site source. The concentrations of detected compounds in Site groundwater samples do not indicate the need for further assessment or further action at this time. It is noted that the Site groundwater quality could be influenced by the tidal water dynamics of the adjacent English Kills and/or upgradient groundwater for certain compounds.

Based on the groundwater data received to date, the qualitative exposure assessment assumptions regarding on-Site and off-site contamination have not changed and are still valid. As future groundwater monitoring events occur, the data will be reviewed to determine if any compound-specific or Site-wide trends (decreasing or increasing) can be identified.

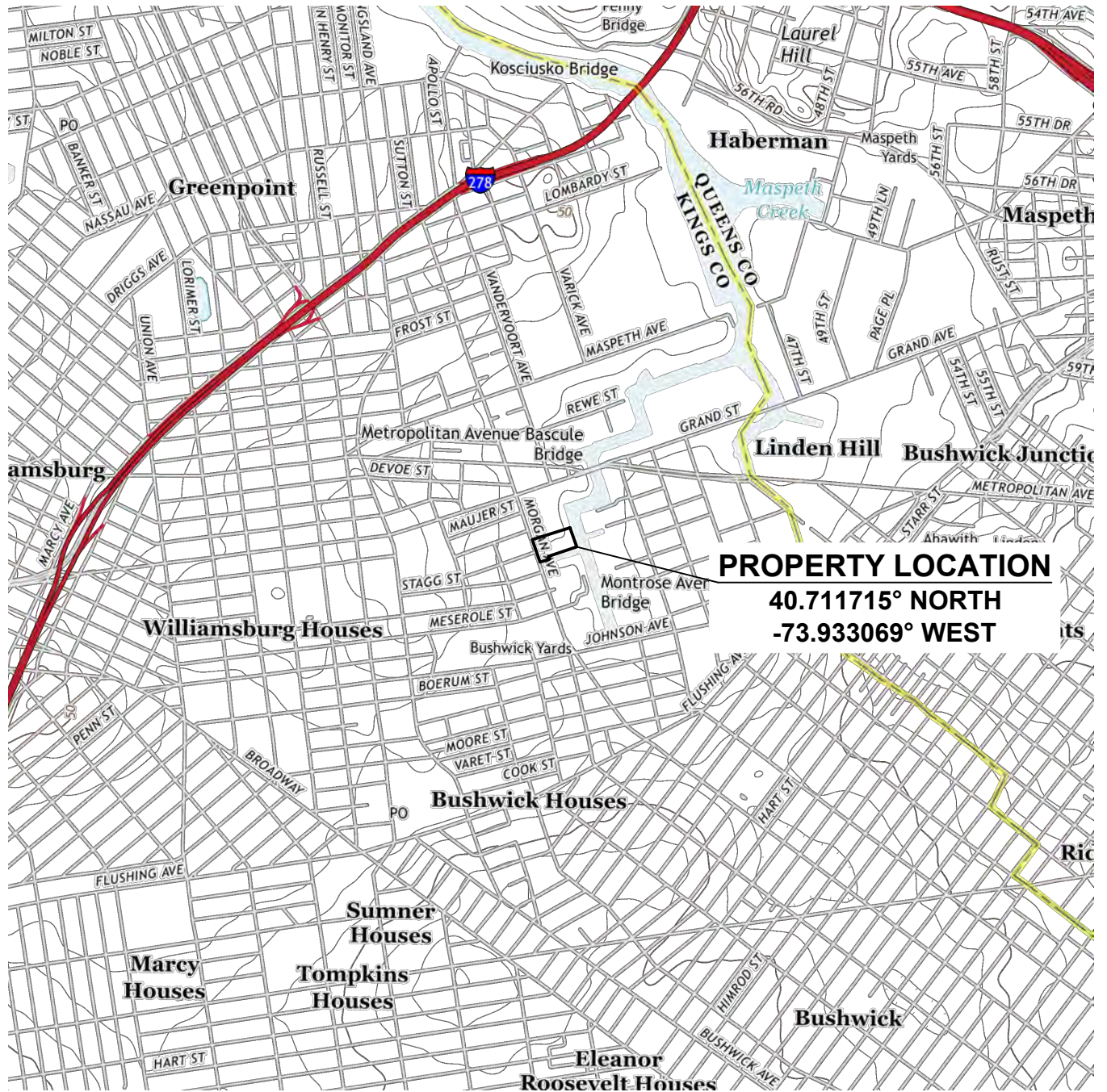


5. Recommendations

Based on a review of the annual groundwater data, it is recommended that the ICs and ECs currently in place for the Site remain in place in order to ensure the continued effectiveness and protectiveness of the remedy. The trends in groundwater quality associated with the off-site monitoring wells MW-7 and MW-8 should continue to be assessed for potential impacts to Site groundwater quality. Groundwater monitoring should continue to be conducted on an annual basis, as identified in the SMP, until the May 2019 monitoring event, after which the monitoring results should be reviewed and modifications to future monitoring requirements, if any, should be recommended to the NYSDEC. The effectiveness of the remedy should continue to be evaluated through analytical results from the groundwater monitoring events.

The minor surface cracks in the asphalt pavement should be periodically monitored to ensure they are not progressing to the point where potential exposure to remaining contamination could occur or could compromise the engineering control. In general, the asphalt pavement should be maintained and cracks sealed as part of the Site maintenance program. Vegetation growth around monitoring well MW-2R should be removed to allow for clear access to the wells. Also, the woody growth along the perimeter rip-rap should be periodically removed to control potential impacts to the cover system. The annual Site inspections should be continued to ensure that the Site use has not changed and the engineering controls are in place and functioning as intended.

Figures



CONTOUR INTERVAL: 10 FEET

MAP TAKEN FROM: USGS 7.5 MINUTE SERIES
 TOPOGRAPHIC QUADRANGLES:
 BROOKLYN, NY (2013)
 (U.S. GEOLOGICAL SURVEY WEBSITE)

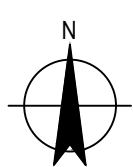
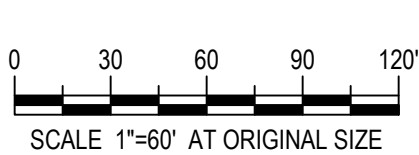


Rolling Frito-Lay Sales, LP
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Site Location Map

Figure 1



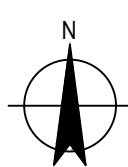
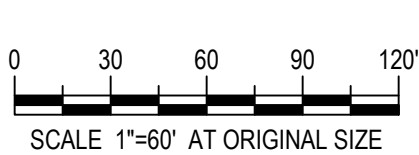
NOTES:
1. Aerial photograph is a 2014, 6-inch resolution, true color image taken from the U.S. Geological Survey website: <http://earthexplorer.usgs.gov/>
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



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Site Layout

Figure 2



NOTES:

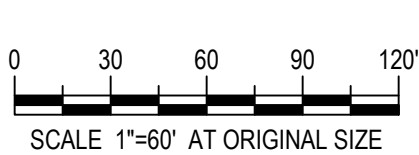
- Aerial photograph is a 2014, 6-inch resolution, true color image taken from the U.S. Geological Survey website: <http://earthexplorer.usgs.gov/>
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Engineering Controls

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Figure 3

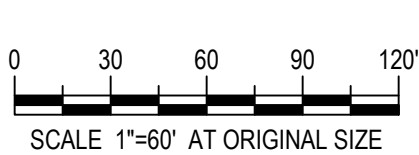


NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2014, 6-inch resolution, true color image taken from the U.S. Geological Survey website: <http://earthexplorer.usgs.gov/>
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



Rolling Frito-Lay Sales, LP
Periodic Review Report - Nov. 22, 2017 to Nov. 22, 2018 - 202-218 Morgan Avenue BCP Site (#C224133)
Exceedances of Groundwater Standards - Total Metals

Job Number 86-16480
Revision A
Date 12.6.2018
Figure 4

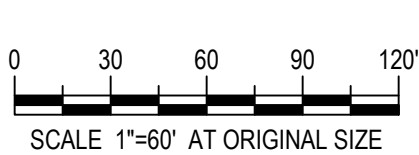


NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2014, 6-inch resolution, true color image taken from the U.S. Geological Survey website: <http://earthexplorer.usgs.gov/>
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



Rolling Frito-Lay Sales, LP
Periodic Review Report - Nov. 22, 2017 to Nov. 22, 2018 - 202-218 Morgan Avenue BCP Site (#C224133)
Exceedances of Groundwater Standards - Dissolved Metals

Job Number 86-16480
Revision A
Date 12.11.2018
Figure 5

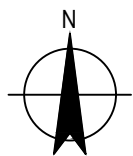
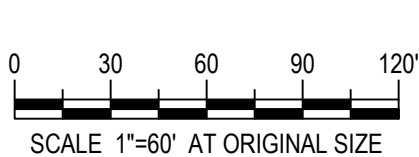


NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2014, 6-inch resolution, true color image taken from the U.S. Geological Survey website: <http://earthexplorer.usgs.gov/>
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



Rolling Frito-Lay Sales, LP
Periodic Review Report - Nov. 22, 2017 to Nov. 22, 2018 - 202-218 Morgan Avenue BCP Site (#C224133)
Exceedances of Groundwater Standards - Other Analytes

Job Number 86-16480
Revision A
Date 12/6/2018
Figure 6



NOTES:
1. Aerial photograph is a 2014, 6-inch resolution, true color image taken from the U.S. Geological Survey website: <http://earthexplorer.usgs.gov/>
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



Rolling Frito-Lay Sales, LP
Periodic Review Report - Nov. 22, 2017 to Nov. 22, 2018 - 202-218 Morgan Avenue BCP Site (#C224133)
Groundwater Elevation and Flow Direction

Job Number 86-16480
Revision A
Date 12.11.2018
Figure 7

Tables



Table 1: (Page 1 of 1) Groundwater Elevation Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-1	2009	Top of PVC	9.93	-	-	1.74	-
	2011			-	-	1.54	-
	5/14/2014			9.07	16.33	0.86	1.16
	6/4/2015			9.74	16.38	0.19	1.06
	5/26/2016			9.55	16.24	0.38	1.07
	5/22/2017			9.24	16.93	0.69	1.23
	5/30/2018			9.06	16.93	0.87	1.26
MW-2R	2009	Top of PVC	10.26	-	-	2.71	-
	2011			-	-	0.40	-
	7/4/2015			9.75	17.92	0.51	1.31
	6/4/2015			9.69	17.92	0.57	1.32
	5/26/2016			10.22	17.61	0.04	1.18
	5/22/2017			9.53	17.95	0.73	1.35
	5/30/2018			10.42	17.95	-0.16	1.20
MW-4	2009	Top of PVC	10.22	-	-	2.04	-
	2011			-	-	0.54	-
	5/14/2014			9.91	16.48	0.31	1.05
	6/4/2015			10.50	16.45	-0.28	0.95
	5/26/2016			10.76	16.28	-0.54	0.88
	5/22/2017			10.15	16.60	0.07	1.03
	5/30/2018			9.83	16.60	0.39	1.08
MW-5	2009	Top of PVC	10.77	-	-	1.76	-
	2011			-	-	-0.80	-
	5/14/2014			11.01	18.69	-0.24	1.23
	6/4/2015			9.91	18.60	0.86	1.39
	5/26/2016			12.65	18.58	-1.88	0.95
	5/22/2017			11.25	18.70	-0.48	1.19
	5/30/2018			10.46	18.70	0.31	1.32
MW-6	2009	Top of PVC	10.22	-	-	1.11	-
	2011			-	-	0.80	-
	5/14/2014			10.36	17.05	-0.14	1.07
	6/4/2015			10.81	17.08	-0.59	1.00
	5/26/2016			10.97	16.88	-0.75	0.95
	5/22/2017			10.55	17.10	-0.33	1.05
	5/30/2018			10.49	17.10	-0.27	1.06
MW-7	2009	Top of PVC	11.11	-	-	2.92	-
	2011			-	-	1.48	-
	5/14/2014			8.17	15.42	2.94	1.16
	6/4/2015			8.33	16.42	2.78	1.29
	5/26/2016			8.32	15.22	2.79	1.10
	5/22/2017			8.15	15.45	2.96	1.17
	5/30/2018			7.88	15.45	3.23	1.21
MW-8	2009	Top of PVC	11.43	-	-	2.50	-
	2011			-	-	2.32	-
	5/14/2014			8.85	14.45	2.58	0.90
	6/4/2015			8.92	14.45	2.51	0.88
	5/26/2016			8.70	14.20	2.73	0.88
	5/22/2017			8.88	14.60	2.55	0.92
	5/30/2018			8.61	14.60	2.82	0.96



Table 2: (Page 1 of 1) Groundwater Field Parameter Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Well I.D.	Date	Time	Temp (°C)	Conductivity (mS/cm)	Salinity (%)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (gal)	Comments
MW-1	5/30/2018	-	15.9	2.879	-	0.17	6.49	-146.0	301.0	3.50	Duplicate sample taken here. Water very slight black tint, slight odor.
		-	15.6	2.911	-	0.09	6.49	-170.0	189.0		
		-	15.6	2.936	-	0.08	6.48	-176.0	192.0		
		-	15.7	2.994	-	0.09	6.47	-180.0	178.0		
MW-2R	5/30/2018	-	15.2	1.911	-	0.71	6.70	-99.0	196.0	3.60	Water clear, no odor.
		-	15.3	1.896	-	0.25	6.56	-96.0	144.0		
		-	15.2	1.889	-	0.22	6.55	-100.0	151.0		
		-	15.2	1.882	-	0.16	6.57	-102.0	160.0		
MW-4	5/30/2018	-	15.4	3.931	-	0.60	7.14	-206.0	272.0	3.60	Water slight light brown tint, some odor.
		-	15.4	3.961	-	0.18	7.12	-283.0	279.0		
		-	15.3	4.075	-	0.10	7.12	-288.0	280.0		
		-	15.3	4.080	-	0.11	7.12	-289.0	281.0		
MW-5	5/30/2018	-	14.5	12.450	-	0.18	6.72	-206.0	421.0	4.00	MS/MSD sample taken here. Water clear, slight odor.
		-	14.3	12.190	-	0.11	6.69	-210.0	422.0		
		-	14.2	12.020	-	0.07	6.64	-216.0	417.0		
		-	14.3	11.790	-	0.08	6.63	-227.0	319.0		
		-	14.2	11.790	-	0.08	6.63	-221.0	301.0		
MW-6	5/30/2018	-	15.7	5.098	-	1.05	6.82	-166.0	32.0	3.20	Water slightly cloudy, fine black particles, some odor.
		-	15.7	5.132	-	0.38	6.84	-213.0	319.0		
		-	15.6	5.093	-	0.17	6.86	-255.0	166.0		
		-	15.6	5.045	-	0.09	6.87	-302.0	171.0		
		-	15.5	4.988	-	0.07	6.87	-369.0	97.0		
MW-7	5/30/2018	-	16.9	0.889	-	0.98	6.59	-8.0	499.0	3.70	Water clear, no odor.
		-	15.9	0.860	-	0.33	6.54	-19.0	211.0		
		-	15.5	0.655	-	0.18	6.48	-27.0	198.0		
		-	15.5	0.859	-	0.18	6.49	-29.0	210.0		
MW-8	5/30/2018	-	14.5	6.105	-	1.03	6.20	46.0	494.0	3.60	Water clear, no odor.
		-	14.5	6.044	-	0.84	6.20	32.0	334.0		
		-	14.5	6.315	-	0.65	6.19	25.0	20.0		
		-	14.5	6.349	-	0.62	6.18	23.0	24.0		

Field parameters collected during purging using a YSI ProDSS with flow thru cell and GeoPump peristaltic pump



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
ChemName	Units	TOGS 1.1.1						
Total Metals								
Aluminum, Total	µg/L		220	2,710	5,230	1,000	19.8	700
Antimony, Total	µg/L	3	<12U	6.53	2.1	0.7J	<0.42U	0.69J
Arsenic, Total	µg/L	25	<8U	4.26	12.1	2.5	1.54	3.01
Barium, Total	µg/L	1000	180	218.7	333.3	235.6	284.9	224.9
Beryllium, Total	µg/L	3 ^{#1}	<4U	0.17J	0.4J	<0.2U	<0.1U	<0.5U
Cadmium, Total	µg/L	5	<4U	0.83	2.1	0.5	0.06J	0.36
Calcium, Total	µg/L		210,000	166,000	211,000	189,000	276,000	182,000
Chromium, Total	µg/L	50	<50U	35.47	91.6	18.2	2.89	11.93
Cobalt, Total	µg/L		<20U	3.58	7.9	2	1.16	2.12
Copper, Total	µg/L	200	<50U	66.06	180	17.7	0.71J	21.1
Iron, Total	µg/L	300	4,100	21,500	24,000	7,160	3,710	6,260
Lead, Total	µg/L	25	6	147.4	360.1	85.7	0.84J	45.6
Magnesium, Total	µg/L	35000 ^{#1}	36,000	29,100	36,200	31,100	39,200	32,600
Manganese, Total	µg/L	300	3,000	2,458	3,322	2,939	2,792	2,093
Mercury, Total	µg/L	0.7	<1U	3.27	0.81	0.14J	<0.06U	<0.2U
Nickel, Total	µg/L	100	<50U	30.45	69.1	18.4	9.44	13.13
Potassium, Total	µg/L		18,000	13,900	17,500	16,300	20,700	16,100
Selenium, Total	µg/L	10	<40U	1.03J	2J	<1U	<1.73U	<5U
Silver, Total	µg/L	50	<20U	0.66	1.6	0.1J	<0.16U	0.17J
Sodium, Total	µg/L	20000	220,000J	290,000	315,000	342,000	477,000	369,000
Thallium, Total	µg/L	0.5 ^{#1}	<10U	0.04J	0.1J	<0.1U	<0.14U	<0.5U
Vanadium, Total	µg/L		<50U	9.55	34.1	4.3J	<1.57U	3.55J
Zinc, Total	µg/L	2000 ^{#1}	<50U	298.2	952.9	104.2	4.44J	82.02
Dissolved Metals								
Aluminum, Dissolved (Filtered)	µg/L		<180U	9.6J	10.6	8J	-	6.76J
Antimony, Dissolved (Filtered)	µg/L	3	<12U	0.17J	0.1J	1.2J	-	0.69J
Arsenic, Dissolved (Filtered)	µg/L	25	8.3	1.68	0.8	2.2	-	1.14
Barium, Dissolved (Filtered)	µg/L	1000	140	175.8	195.9	200.1	-	182.2
Beryllium, Dissolved (Filtered)	µg/L	3 ^{#1}	<4U	<0.5U	<0.5U	<0.2U	-	<0.5U
Cadmium, Dissolved (Filtered)	µg/L	5	<4U	<0.2U	<0.5U	<0.1U	-	<0.2U
Calcium, Dissolved (Filtered)	µg/L		180,000	193,000	159,000	198,000	-	183,000
Chromium, Dissolved (Filtered)	µg/L	50	<50U	3.34	3.04	2.9	-	0.96J
Cobalt, Dissolved (Filtered)	µg/L		<20U	0.82	1.3	1.3	-	1.56
Copper, Dissolved (Filtered)	µg/L	200	<50U	0.64J	0.3J	<0.3U	-	1.48
Iron, Dissolved (Filtered)	µg/L	300	760	7,470	5,360	1,920	-	25.6J
Lead, Dissolved (Filtered)	µg/L	25	<4U	<1U	<1U	0.2J	-	<1U
Magnesium, Dissolved (Filtered)	µg/L	35000 ^{#1}	30,000	27,300	30,800	30,300	-	26,400
Manganese, Dissolved (Filtered)	µg/L	300	2,500	2,728	2,886	3,222	-	1,771
Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	-	<0.2U
Nickel, Dissolved (Filtered)	µg/L	100	<50U	7.43	10.17	14.1	-	8.2
Potassium, Dissolved (Filtered)	µg/L		15,000	14,200	15,800	16,400	-	15,900
Selenium, Dissolved (Filtered)	µg/L	10	<40U	1.29J	<100U	<1U	-	<5U
Silver, Dissolved (Filtered)	µg/L	50	<20U	<0.4U	<5U	<0.1U	-	<0.4U
Sodium, Dissolved (Filtered)	µg/L	20000	190,000J	356,000	298,000	382,000	-	430,000
Thallium, Dissolved (Filtered)	µg/L	0.5 ^{#1}	<10U	<0.5U	<0.5U	<0.1U	-	<0.5U
Vanadium, Dissolved (Filtered)	µg/L		<50U	0.35J	<5U	<0.6U	-	<5U
Zinc, Dissolved (Filtered)	µg/L	2000 ^{#1}	<50U	2.48J	4.87J	<2.6U	-	7.39J

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
ChemName	Units	TOGS 1.1.1						
Total Metals								
Aluminum, Total	µg/L		4,200J	404	1,690	33	193	35.5
Antimony, Total	µg/L	3	<12U	3.12	2.1	0.3J	<0.42U	0.8J
Arsenic, Total	µg/L	25	<8U	36.36	7.8	6.8	6.51	6.25
Barium, Total	µg/L	1000	200	192.8	227.1	227.7	298	308.7
Beryllium, Total	µg/L	3 ^{#1}	<4U	0.1J	0.2J	<0.2U	<0.1U	<0.5U
Cadmium, Total	µg/L	5	<4U	0.19J	0.1J	<0.1U	0.2	<0.2U
Calcium, Total	µg/L		320,000	88,100	93,300	73,700	73,300	82,200
Chromium, Total	µg/L	50	<50U	10.5	10.4	0.5J	1.01	0.4J
Cobalt, Total	µg/L		<20U	1.18	2.6	0.2	0.23J	<0.5U
Copper, Total	µg/L	200	<50U	20.21	30.9	<0.3U	2.47	0.6J
Iron, Total	µg/L	300	13,000J	58,600	24,100	14,000	14,100	17,300
Lead, Total	µg/L	25	120J	73.18	178	1.9	13.48	2.01
Magnesium, Total	µg/L	35000 ^{#1}	140,000	33,900	35,700	33,800	34,400	41,500
Manganese, Total	µg/L	300	900	374.7	699.3	804.9	708.6	901.2
Mercury, Total	µg/L	0.7	<1U	0.38	0.46	0.09J	0.06J	<0.2U
Nickel, Total	µg/L	100	<50U	3.41	5.5	1.3J	1.75J	<2U
Potassium, Total	µg/L		55,000	14,400	16,000	14,300	16,500	16,800
Selenium, Total	µg/L	10	<40U	0.53J	<5U	<1U	<1.73U	<5U
Silver, Total	µg/L	50	<20U	<0.4U	0.1J	<0.1U	<0.16U	<0.4U
Sodium, Total	µg/L	20000	770,000J	142,000	221,000	200,000	273,000	178,000
Thallium, Total	µg/L	0.5 ^{#1}	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U
Vanadium, Total	µg/L		<50U	6.59	8.1	<0.6U	<1.57U	<5U
Zinc, Total	µg/L	2000 ^{#1}	120	68.19	80.8	<2.6U	5.88J	<10U
Dissolved Metals								
Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-	4.54J
Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	-	-	<4U
Arsenic, Dissolved (Filtered)	µg/L	25	<8U	-	-	-	-	0.83
Barium, Dissolved (Filtered)	µg/L	1000	160	-	-	-	-	231.6
Beryllium, Dissolved (Filtered)	µg/L	3 ^{#1}	<4U	-	-	-	-	<0.5U
Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	-	-	<0.2U
Calcium, Dissolved (Filtered)	µg/L		320,000	-	-	-	-	88,800
Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	-	-	0.18J
Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-	0.18J
Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	-	-	0.82J
Iron, Dissolved (Filtered)	µg/L	300	870	-	-	-	-	35.1J
Lead, Dissolved (Filtered)	µg/L	25	<4U	-	-	-	-	<1U
Magnesium, Dissolved (Filtered)	µg/L	35000 ^{#1}	140,000	-	-	-	-	34,400
Manganese, Dissolved (Filtered)	µg/L	300	830	-	-	-	-	915.9
Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	-	-	<0.2U
Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	-	-	0.87J
Potassium, Dissolved (Filtered)	µg/L		55,000	-	-	-	-	17,400
Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	-	-	<5U
Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	-	-	<0.4U
Sodium, Dissolved (Filtered)	µg/L	20000	760,000J	-	-	-	-	213,000
Thallium, Dissolved (Filtered)	µg/L	0.5 ^{#1}	<10U	-	-	-	-	<0.5U
Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-	<5U
Zinc, Dissolved (Filtered)	µg/L	2000 ^{#1}	<50U	-	-	-	-	<10U

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
ChemName	Units	TOGS 1.1.1						
Total Metals								
Aluminum, Total	µg/L		250	103	87	616	148	5,000
Antimony, Total	µg/L	3	<12U	2.91	1.2J	1J	1.2J	3.39J
Arsenic, Total	µg/L	25	<8U	9.74	5.9	7.8	3.56	55.78
Barium, Total	µg/L	1000	660	92.03	80.4	80.8	112.5	290.4
Beryllium, Total	µg/L	3 ^{#1}	<4U	<0.5U	<0.5U	<0.2U	<0.1U	0.43J
Cadmium, Total	µg/L	5	<4U	0.05J	0.1J	0.3	0.5	2.74
Calcium, Total	µg/L		520,000J	272,000	294,000	207,000	220,000	291,000
Chromium, Total	µg/L	50	<50U	0.77J	2.8	2.2	0.81J	16.9
Cobalt, Total	µg/L		<20U	0.36	0.49J	1.6	0.69	13.26
Copper, Total	µg/L	200	<50U	1.12J	2.2	9.9	2.13	111.6
Iron, Total	µg/L	300	650	186	219	1,290	336	16,400
Lead, Total	µg/L	25	9	3.12	3.5	25	5.51	288.8
Magnesium, Total	µg/L	35000 ^{#1}	8,400J	6,600	12,300	16,200	30,700	36,900
Manganese, Total	µg/L	300	100	5.31	13	35.3	302.2	752.8
Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	<0.06U	0.4
Nickel, Total	µg/L	100	<50U	3.56	5.5	7.6	5.08	35.7
Potassium, Total	µg/L		64,000	70,700	77,800	74,200	53,200	52,000
Selenium, Total	µg/L	10	<40U	0.55J	<5U	<1U	<1.73U	1.97J
Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U	0.25J
Sodium, Total	µg/L	20000	250,000J	303,000	339,000	387,000	331,000	382,000
Thallium, Total	µg/L	0.5 ^{#1}	<10U	<0.5U	<0.5U	<0.1U	<0.14U	0.16J
Vanadium, Total	µg/L		<50U	0.92J	1.3J	3.3J	1.69J	21.8
Zinc, Total	µg/L	2000 ^{#1}	<50U	13.78	31.8	60.7	30.16	760.7
Dissolved Metals								
Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-	9.43J
Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	-	-	1.23J
Arsenic, Dissolved (Filtered)	µg/L	25	<8U	-	-	-	-	23.96
Barium, Dissolved (Filtered)	µg/L	1000	620	-	-	-	-	171.1
Beryllium, Dissolved (Filtered)	µg/L	3 ^{#1}	<4U	-	-	-	-	<0.5U
Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	-	-	<0.2U
Calcium, Dissolved (Filtered)	µg/L		440,000J	-	-	-	-	243,000
Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	-	-	0.35J
Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-	0.61
Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	-	-	<1U
Iron, Dissolved (Filtered)	µg/L	300	<280U	-	-	-	-	49.1J
Lead, Dissolved (Filtered)	µg/L	25	<4U	-	-	-	-	0.91J
Magnesium, Dissolved (Filtered)	µg/L	35000 ^{#1}	<2,000UJ	-	-	-	-	27,200
Manganese, Dissolved (Filtered)	µg/L	300	<40U	-	-	-	-	433.7
Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	-	-	<0.2U
Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	-	-	3.39
Potassium, Dissolved (Filtered)	µg/L		65,000	-	-	-	-	40,300
Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	-	-	<5U
Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	-	-	<0.4U
Sodium, Dissolved (Filtered)	µg/L	20000	250,000J	-	-	-	-	457,000
Thallium, Dissolved (Filtered)	µg/L	0.5 ^{#1}	<10U	-	-	-	-	<0.5U
Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-	<5U
Zinc, Dissolved (Filtered)	µg/L	2000 ^{#1}	<50U	-	-	-	-	3.52J

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
ChemName	Units	TOGS 1.1.1						
Total Metals								
Aluminum, Total	µg/L		<180U	2,380	589	242	8.24J	95.5
Antimony, Total	µg/L	3	<12U	3.01	0.9J	1.5J	3.31J	3.89J
Arsenic, Total	µg/L	25	25	11.91	3	3.7	7.57	4.06
Barium, Total	µg/L	1000	56	126.4	125.7	129.2	68.44	80.6
Beryllium, Total	µg/L	3 ^{#1}	<4U	0.12J	<0.5U	<0.2U	<0.1U	<0.5U
Cadmium, Total	µg/L	5	<4U	1.56	0.5	0.2J	<0.05U	0.16J
Calcium, Total	µg/L		210,000J	243,000	228,000	224,000	197,000	259,000
Chromium, Total	µg/L	50	<50U	8.36	3.6	1.7J	4.89	0.79J
Cobalt, Total	µg/L		<20U	3.84	2.4	1	1.08	0.96
Copper, Total	µg/L	200	<50U	49.9	13.2	<0.3U	0.51J	3.69
Iron, Total	µg/L	300	4,000	16,400	4,070	5,740	3,010	3,300
Lead, Total	µg/L	25	6	244.8	90.4	46	<1.71U	15.02
Magnesium, Total	µg/L	35000 ^{#1}	120,000J	147,000	156,000	306,000	174,000	170,000
Manganese, Total	µg/L	300	950	1,020	1,060	768.1	449.9	531
Mercury, Total	µg/L	0.7	<1U	6.02	0.93	0.29	<0.06U	<0.2U
Nickel, Total	µg/L	100	<50U	26.93	14	6.8	11.62	8.52
Potassium, Total	µg/L		73,000	75,300	72,500	115,000	84,000	91,400
Selenium, Total	µg/L	10	<40U	0.77J	<5U	<1U	<1.73U	<5U
Silver, Total	µg/L	50	<20U	0.17J	<0.4U	<0.1U	<0.16U	<0.4U
Sodium, Total	µg/L	20000	740,000J	1,140,000	1,030,000	3,020,000	1,800,000	1,470,000
Thallium, Total	µg/L	0.5 ^{#1}	<10U	0.06J	<0.5U	0.1J	<0.71U	<0.5U
Vanadium, Total	µg/L		<50U	12.03	4.2J	2J	<1.57U	<5U
Zinc, Total	µg/L	2000 ^{#1}	<50U	736.6	223.7	29.6	15.6	36.68
Dissolved Metals								
Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-	3.75J
Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	-	-	1.75J
Arsenic, Dissolved (Filtered)	µg/L	25	10	-	-	-	-	0.98
Barium, Dissolved (Filtered)	µg/L	1000	54	-	-	-	-	82.71
Beryllium, Dissolved (Filtered)	µg/L	3 ^{#1}	<4U	-	-	-	-	<0.5U
Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	-	-	<0.2U
Calcium, Dissolved (Filtered)	µg/L		220,000J	-	-	-	-	249,000
Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	-	-	<1U
Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-	0.73
Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	-	-	0.9J
Iron, Dissolved (Filtered)	µg/L	300	370	-	-	-	-	35J
Lead, Dissolved (Filtered)	µg/L	25	4	-	-	-	-	<1U
Magnesium, Dissolved (Filtered)	µg/L	35000 ^{#1}	120,000J	-	-	-	-	160,000
Manganese, Dissolved (Filtered)	µg/L	300	970	-	-	-	-	511.1
Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	-	-	<0.2U
Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	-	-	5.02
Potassium, Dissolved (Filtered)	µg/L		77,000	-	-	-	-	89,000
Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	-	-	<5U
Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	-	-	<0.4U
Sodium, Dissolved (Filtered)	µg/L	20000	760,000J	-	-	-	-	1,540,000
Thallium, Dissolved (Filtered)	µg/L	0.5 ^{#1}	<10U	-	-	-	-	<0.5U
Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-	<5U
Zinc, Dissolved (Filtered)	µg/L	2000 ^{#1}	<50U	-	-	-	-	7.43J

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Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
ChemName	Units	TOGS 1.1.1						
Total Metals								
Aluminum, Total	µg/L		<180U	137	330	191	449	1,230
Antimony, Total	µg/L	3	<12U	3.09	1.4J	1.1J	1.95J	4.92
Arsenic, Total	µg/L	25	14	7.55	3.2	4.5	14.06	10.44
Barium, Total	µg/L	1000	140	104.8	156	166.5	145.5	217.1
Beryllium, Total	µg/L	3 ^{#1}	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U
Cadmium, Total	µg/L	5	<4U	0.93	0.2	0.8	1.45	0.59
Calcium, Total	µg/L		360,000J	292,000	285,000	280,000	286,000	340,000
Chromium, Total	µg/L	50	<50U	3.97	2.1	1.2J	3.44	3.75
Cobalt, Total	µg/L		<20U	4.53	1.3	1.4	2.15	2.92
Copper, Total	µg/L	200	<50U	3.64	4.9	7.1	11.45	28.28
Iron, Total	µg/L	300	650	5,820	1,270	1,870	5,550	6,000
Lead, Total	µg/L	25	10	9.28	17.4	15.1	25.67	92.14
Magnesium, Total	µg/L	35000 ^{#1}	47,000J	46,300	52,500	57,400	40,000	49,000
Manganese, Total	µg/L	300	640	1,526	757.3	952.6	1,118	1,165
Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	<0.06U	<0.2U
Nickel, Total	µg/L	100	<50U	22.81	8	9.4	11.82	11.23
Potassium, Total	µg/L		66,000	61,100	54,200	60,800	49,900	61,000
Selenium, Total	µg/L	10	<40U	0.51J	<5U	<1U	<1.73U	<5U
Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U
Sodium, Total	µg/L	20000	410,000J	385,000	393,000	470,000	408,000	490,000
Thallium, Total	µg/L	0.5 ^{#1}	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U
Vanadium, Total	µg/L		<50U	2.66J	3.1J	2J	4.95J	6.45
Zinc, Total	µg/L	2000 ^{#1}	<50U	819.6	121.7	98.3	177	157.5
Dissolved Metals								
Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-	9.72J
Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	-	-	3.82J
Arsenic, Dissolved (Filtered)	µg/L	25	10	-	-	-	-	5.05
Barium, Dissolved (Filtered)	µg/L	1000	130	-	-	-	-	159.1
Beryllium, Dissolved (Filtered)	µg/L	3 ^{#1}	<4U	-	-	-	-	<0.5U
Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	-	-	<0.2U
Calcium, Dissolved (Filtered)	µg/L		340,000J	-	-	-	-	363,000
Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	-	-	0.43J
Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-	1.25
Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	-	-	1.98
Iron, Dissolved (Filtered)	µg/L	300	370	-	-	-	-	79.9
Lead, Dissolved (Filtered)	µg/L	25	5	-	-	-	-	0.76J
Magnesium, Dissolved (Filtered)	µg/L	35000 ^{#1}	46,000J	-	-	-	-	43,000
Manganese, Dissolved (Filtered)	µg/L	300	630	-	-	-	-	1,155
Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	-	-	<0.2U
Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	-	-	6.44
Potassium, Dissolved (Filtered)	µg/L		65,000	-	-	-	-	49,400
Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	-	-	<5U
Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	-	-	<0.4U
Sodium, Dissolved (Filtered)	µg/L	20000	400,000J	-	-	-	-	617,000
Thallium, Dissolved (Filtered)	µg/L	0.5 ^{#1}	<10U	-	-	-	-	0.23J
Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-	<5U
Zinc, Dissolved (Filtered)	µg/L	2000 ^{#1}	<50U	-	-	-	-	13.14

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U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

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Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
			Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
ChemName	Units	TOGS 1.1.1							
Total Metals									
Aluminum, Total	µg/L		<180U	2.89J	40	50	15.5	56.2	
Antimony, Total	µg/L	3	<12U	0.52J	0.2J	0.3J	<0.42U	<4U	
Arsenic, Total	µg/L	25	<8U	1.4	2.8	2.3	1.47	1.78	
Barium, Total	µg/L	1000	150	85.68	120.7	97.9	67.41	83.01	
Beryllium, Total	µg/L	3 ^{#1}	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	
Cadmium, Total	µg/L	5	<4U	<0.2U	<0.2U	<0.1U	<0.05U	<0.2U	
Calcium, Total	µg/L		110,000	109,000	122,000	91,600	85,000	94,400	
Chromium, Total	µg/L	50	<50U	0.99J	7.7	7.3	4.01	12.18	
Cobalt, Total	µg/L		<20U	1.15	1.5	1.3	1.82	2.65	
Copper, Total	µg/L	200	<50U	1.13J	1.9J	<0.3U	<0.38U	0.42J	
Iron, Total	µg/L	300	6,400	3,170	5,040	4,630	3,750	5,330	
Lead, Total	µg/L	25	<4U	<1U	1.1	0.7J	0.39J	0.71J	
Magnesium, Total	µg/L	35000 ^{#1}	7,300	7,040	10,300	8,580	9,690	15,700	
Manganese, Total	µg/L	300	830	823.6	913.5	801.4	1,074	1,957	
Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	0.11J	<0.06U	<0.2U	
Nickel, Total	µg/L	100	100	121.9	160	173.4	143.7	187.2	
Potassium, Total	µg/L		13,000	9,020	12,200	11,400	8,360	8,530	
Selenium, Total	µg/L	10	<40U	<5U	<5U	<1U	<1.73U	<5U	
Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	
Sodium, Total	µg/L	20000	330,000J	153,000	186,000	138,000	81,800	58,200	
Thallium, Total	µg/L	0.5 ^{#1}	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	
Vanadium, Total	µg/L		<50U	<5U	<5U	<0.6U	<1.57U	<5U	
Zinc, Total	µg/L	2000 ^{#1}	<50U	9.03J	42.6	<2.6U	<3.41U	3.89J	
Dissolved Metals									
Aluminum, Dissolved (Filtered)	µg/L		<180U	68.3	-	4J	<3.27U	4.06J	
Antimony, Dissolved (Filtered)	µg/L	3	<12U	0.75J	-	0.4J	<0.42U	<4U	
Arsenic, Dissolved (Filtered)	µg/L	25	<8U	5.08	-	1.2	0.69	0.6	
Barium, Dissolved (Filtered)	µg/L	1000	150	119.3	-	80.8	64.71	76.08	
Beryllium, Dissolved (Filtered)	µg/L	3 ^{#1}	<4U	<0.5U	-	<0.2U	<0.1U	<0.5U	
Cadmium, Dissolved (Filtered)	µg/L	5	<4U	0.05J	-	<0.1U	<0.05U	<0.2U	
Calcium, Dissolved (Filtered)	µg/L		130,000	118,000	-	126,000	87,900	97,300	
Chromium, Dissolved (Filtered)	µg/L	50	<50U	23.34	-	3	0.69J	0.69J	
Cobalt, Dissolved (Filtered)	µg/L		<20U	1.28	-	1.6	1.85	2.6	
Copper, Dissolved (Filtered)	µg/L	200	<50U	1.31	-	<0.3U	<0.38U	0.77J	
Iron, Dissolved (Filtered)	µg/L	300	980	13,400	-	652	172	22.8J	
Lead, Dissolved (Filtered)	µg/L	25	<4U	2.24	-	<0.1U	<0.34U	<1U	
Magnesium, Dissolved (Filtered)	µg/L	35000 ^{#1}	8,500	8,240	-	7,540	9,920	15,900	
Manganese, Dissolved (Filtered)	µg/L	300	950	853.8	-	1,038	1,130	1,688	
Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	<0.2U	-	<0.06U	<0.06U	<0.2U	
Nickel, Dissolved (Filtered)	µg/L	100	110	135.9	-	158	142.7	169.5	
Potassium, Dissolved (Filtered)	µg/L		15,000	10,400	-	10,200	9,080	8,570	
Selenium, Dissolved (Filtered)	µg/L	10	<40U	0.59J	-	<1U	<1.73U	<5U	
Silver, Dissolved (Filtered)	µg/L	50	<20U	0.13J	-	<0.1U	<0.16U	<0.4U	
Sodium, Dissolved (Filtered)	µg/L	20000	380,000J	175,000	-	185,000	84,800	63,400	
Thallium, Dissolved (Filtered)	µg/L	0.5 ^{#1}	<10U	<0.5U	-	<0.1U	<0.14U	<0.5U	
Vanadium, Dissolved (Filtered)	µg/L		<50U	0.54J	-	<0.6U	<1.57U	<5U	
Zinc, Dissolved (Filtered)	µg/L	2000 ^{#1}	<50U	6.31J	-	<2.6U	<3.41U	<10U	

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
ChemName	Units	TOGS 1.1.1						
Total Metals								
Aluminum, Total	µg/L		220	230	39	2,310	9.3J	15.1
Antimony, Total	µg/L	3	<12U	0.5J	0.7J	0.4J	<0.42U	<4U
Arsenic, Total	µg/L	25	<8U	0.39J	0.7	0.8	0.33J	<0.5U
Barium, Total	µg/L	1000	270	376.1	464.6	707.2	1,023	803.5
Beryllium, Total	µg/L	3 ^{#1}	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U
Cadmium, Total	µg/L	5	<4U	0.65	<0.2U	1.1	0.27	0.28
Calcium, Total	µg/L		150,000	221,000	280,000	302,000	466,000	445,000
Chromium, Total	µg/L	50	<50U	1.29	2.4	7	1.26	<1U
Cobalt, Total	µg/L		<20U	0.21	0.2J	1.5	0.17J	<0.5U
Copper, Total	µg/L	200	<50U	1.36J	1.9J	<0.3U	0.5J	<1U
Iron, Total	µg/L	300	13,000	25,800	29,700	54,300	36,600	17,500
Lead, Total	µg/L	25	7.8	2.72	0.9J	11.7	<1.71U	<1U
Magnesium, Total	µg/L	35000 ^{#1}	7,700	10,000	17,400	17,300	23,300	27,700
Manganese, Total	µg/L	300	780	1,180	1,368	1,654	1,559	901.3
Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	<0.06U	<0.2U
Nickel, Total	µg/L	100	<50U	0.93	1.9	5.1	1.98J	<2U
Potassium, Total	µg/L		18,000	15,900	22,600	26,100	32,700	31,600
Selenium, Total	µg/L	10	<40U	<5U	<5U	<1U	<1.73U	<5U
Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U
Sodium, Total	µg/L	20000	420,000J	504,000	519,000	731,000	1,350,000	1,020,000
Thallium, Total	µg/L	0.5 ^{#1}	<10U	<0.5U	<0.5U	<0.1U	<0.71U	<0.5U
Vanadium, Total	µg/L		<50U	2.15J	<5U	8.3	<1.57U	<5U
Zinc, Total	µg/L	2000 ^{#1}	<50U	6.77J	30	8.2J	<3.41U	<10U
Dissolved Metals								
Aluminum, Dissolved (Filtered)	µg/L		<180U	3.95J	-	3J	<16.4U	4.28J
Antimony, Dissolved (Filtered)	µg/L	3	<12U	0.19J	-	0.6J	<2.14U	<4U
Arsenic, Dissolved (Filtered)	µg/L	25	<8U	0.89	-	<0.1U	<0.82U	<0.5U
Barium, Dissolved (Filtered)	µg/L	1000	200	366.9	-	658.2	910.4	694.3
Beryllium, Dissolved (Filtered)	µg/L	3 ^{#1}	<4U	<0.5U	-	<0.2U	<0.53U	<0.5U
Cadmium, Dissolved (Filtered)	µg/L	5	<4U	<0.2U	-	<0.1U	<0.29U	0.09J
Calcium, Dissolved (Filtered)	µg/L		160,000	217,000	-	358,000	455,000	419,000
Chromium, Dissolved (Filtered)	µg/L	50	<50U	1.56	-	1.6J	<0.89U	<1U
Cobalt, Dissolved (Filtered)	µg/L		<20U	0.33J	-	<0.1U	<0.81U	<0.5U
Copper, Dissolved (Filtered)	µg/L	200	<50U	0.68J	-	<0.3U	<1.92U	1.1
Iron, Dissolved (Filtered)	µg/L	300	1,200	19,400	-	26,500	19,200	43J
Lead, Dissolved (Filtered)	µg/L	25	<4U	<1U	-	<0.1U	<1.71U	<1U
Magnesium, Dissolved (Filtered)	µg/L	35000 ^{#1}	8,200	11,600	-	17,900	24,300	24,900
Manganese, Dissolved (Filtered)	µg/L	300	810	971.8	-	1,939	1,551	744.6
Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	<0.2U	-	<0.06U	<0.06U	<0.2U
Nickel, Dissolved (Filtered)	µg/L	100	<50U	3.29	-	5	<2.78U	1.44J
Potassium, Dissolved (Filtered)	µg/L		19,000	17,800	-	25,500	33,600	29,500
Selenium, Dissolved (Filtered)	µg/L	10	<40U	1.08J	-	<1U	<8.65U	<5U
Silver, Dissolved (Filtered)	µg/L	50	<20U	<0.4U	-	<0.1U	<0.81U	<0.4U
Sodium, Dissolved (Filtered)	µg/L	20000	450,000J	500,000	-	866,000	1,320,000	1,060,000
Thallium, Dissolved (Filtered)	µg/L	0.5 ^{#1}	<10U	<0.5U	-	<0.1U	<0.71U	<0.5U
Vanadium, Dissolved (Filtered)	µg/L		<50U	0.48J	-	<0.6U	<7.85U	<5U
Zinc, Dissolved (Filtered)	µg/L	2000 ^{#1}	<50U	3.82J	-	<2.6U	<17.05U	3.79J

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1
ChemName	Units	TOGS 1.1.1						
Total Metals								
Aluminum, Total	µg/L		1,700J	4,070	1,660	1,110	16.9	272
Antimony, Total	µg/L	3	<12U	4.21	2.4	0.8J	<0.42U	<4U
Arsenic, Total	µg/L	25	<8U	19.91	8.5	2.7	1.4	1.77
Barium, Total	µg/L	1000	160	167.5	224.5	225.3	277.4	192.2
Beryllium, Total	µg/L	3 ^{#1}	<4U	0.21J	<0.5U	<0.2U	<0.1U	<0.5U
Cadmium, Total	µg/L	5	<4U	2.45	0.1J	0.4	0.08J	0.22
Calcium, Total	µg/L		280,000	240,000	84,900	181,000	256,000	160,000
Chromium, Total	µg/L	50	<50U	14.57	10.1	18.8	2.73	5.81
Cobalt, Total	µg/L		<20U	6.66	2.3	2	1.36	1.51
Copper, Total	µg/L	200	<50U	88.29	26.2	18.3	<0.38U	7.73
Iron, Total	µg/L	300	9,000J	30,600	24,000	7,430	3,690	4,730
Lead, Total	µg/L	25	49J	375.6	165.3	76.1	0.83J	17.16
Magnesium, Total	µg/L	35000 ^{#1}	120,000	137,000	33,800	31,500	39,900	28,500
Manganese, Total	µg/L	300	790	1,016	624.2	2,788	2,707	1,841
Mercury, Total	µg/L	0.7	<1U	12.5	0.36	0.1J	<0.06U	<0.2U
Nickel, Total	µg/L	100	<50U	45.52	6.1	20.4	7.27	9.07
Potassium, Total	µg/L		48,000	70,000	15,300	16,500	19,200	14,200
Selenium, Total	µg/L	10	<40U	1.18J	<5U	<1U	<1.73U	<5U
Silver, Total	µg/L	50	<20U	0.33J	<0.4U	0.1J	<0.16U	<0.4U
Sodium, Total	µg/L	20000	660,000J	1,130,000	215,000	333,000	478,000	325,000
Thallium, Total	µg/L	0.5 ^{#1}	<10U	0.11J	<0.5U	<0.1U	<0.14U	<0.5U
Vanadium, Total	µg/L		<50U	22.13	7.6	4.1J	<1.57U	1.61J
Zinc, Total	µg/L	2000 ^{#1}	76	1,320	69.9	114.1	3.89J	31.44
Dissolved Metals								
Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	4J	-	6.66J
Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	0.7J	-	0.55J
Arsenic, Dissolved (Filtered)	µg/L	25	<8U	-	-	1	-	1.01
Barium, Dissolved (Filtered)	µg/L	1000	160	-	-	213.5	-	180.8
Beryllium, Dissolved (Filtered)	µg/L	3 ^{#1}	<4U	-	-	<0.2U	-	<0.5U
Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	<0.1U	-	<0.2U
Calcium, Dissolved (Filtered)	µg/L		310,000	-	-	247,000	-	183,000
Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	3.3	-	0.97J
Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	1.7	-	1.59
Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	<0.3U	-	0.4J
Iron, Dissolved (Filtered)	µg/L	300	750	-	-	2,090	-	24.4J
Lead, Dissolved (Filtered)	µg/L	25	<4U	-	-	0.1J	-	<1U
Magnesium, Dissolved (Filtered)	µg/L	35000 ^{#1}	140,000	-	-	32,800	-	26,600
Manganese, Dissolved (Filtered)	µg/L	300	860	-	-	3,892	-	1,726
Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	<0.06U	-	<0.2U
Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	14.6	-	8.42
Potassium, Dissolved (Filtered)	µg/L		54,000	-	-	16,800	-	15,800
Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	<1U	-	<5U
Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	<0.1U	-	<0.4U
Sodium, Dissolved (Filtered)	µg/L	20000	750,000J	-	-	470,000	-	425,000
Thallium, Dissolved (Filtered)	µg/L	0.5 ^{#1}	<10U	-	-	<0.1U	-	<0.5U
Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	<0.6U	-	<5U
Zinc, Dissolved (Filtered)	µg/L	2000 ^{#1}	<50U	-	-	<2.6U	-	4.89J

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

		Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
ChemName	Units	TOGS 1.1.1						
General Chemistry								
Alkalinity, Total	µg/L		347,000	400,000	766,000	437,000	398,000	364,000
Biological Oxygen Demand, Five day	µg/L		10,600	<50,000U	<40,000U	<10,000U	5,400	2,800
Chemical Oxygen Demand	µg/L		690,000	1,300,000	2,800,000	46,000	20,000	47,000
Chloride	µg/L	250000	-	600,000	540,000	560,000	840,000	727,000
Total Organic Carbon	µg/L		5,400	10,600	7,500	3,500	1,700	4,330
Total Organic Halogen	ug/l		-	<20U	<20U	27.7	54	44.1
PCBs								
Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U
Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U
Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U
Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.043J	<0.0833U
Aroclor 1248	µg/L		<0.05U	0.768	1.46	0.286	<0.014U	0.262
Aroclor 1254	µg/L		<0.05U	0.416	0.746	0.137	<0.022U	0.142
Aroclor 1260	µg/L		<0.05U	<0.083U	0.119	<0.023U	<0.023U	0.035J
Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-
Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-
PCBs, Total	µg/L	0.09	<0.05U	1.18	2.33	0.423	0.043	0.439

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

		Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
ChemName	Units	TOGS 1.1.1						
General Chemistry								
Alkalinity, Total	µg/L		308,000	312,000	317,000	271,000	281,000	298,000
Biological Oxygen Demand, Five day	µg/L		<6,000U	<10,000U	<5,000U	<2,000U	<2,000U	<2,000U
Chemical Oxygen Demand	µg/L		32,900	74,000	55,000	22,000	18,000	6,000J
Chloride	µg/L	250000	-	270,000	340,000	340,000	430,000	376,000
Total Organic Carbon	µg/L		2,800	11,200	3,200	2,600	2,300	3,120
Total Organic Halogen	ug/l		-	26.9	20.9	14.1J	41.1	19.9J
PCBs								
Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U
Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U
Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U
Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U
Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U
Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	0.034J	<0.022U	<0.0833U
Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U
Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-
Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-
PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	0.034J	<0.014	<0.0833U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

		Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
ChemName	Units	TOGS 1.1.1						
General Chemistry								
Alkalinity, Total	µg/L		446,000	186,000	83,400	96,800	484,000	586,000
Biological Oxygen Demand, Five day	µg/L		11,700	<5,000U	<5,000U	4,300	<5,000U	<5,000U
Chemical Oxygen Demand	µg/L		1,170,000	150,000	110,000	99,000	82,000	100,000
Chloride	µg/L	250000	-	460,000	560,000	620,000	640,000	879,000
Total Organic Carbon	µg/L		26,900	52,100	25,000	25,000	17,000	17,000
Total Organic Halogen	ug/l		-	47.4	50.5	36.9	42	19.6J
PCBs								
Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U
Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U
Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U
Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.045J	<0.0833U
Aroclor 1248	µg/L		<0.05U	0.11	<0.083U	<0.014U	<0.014U	0.158
Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	0.114
Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.044J
Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-
Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-
PCBs, Total	µg/L	0.09	<0.05U	0.11	<0.083U	<0.012U	0.045	0.316

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

		Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
ChemName	Units	TOGS 1.1.1						
General Chemistry								
Alkalinity, Total	µg/L		637,000	387,000	455,000	370,000	377,000	421,000
Biological Oxygen Demand, Five day	µg/L		21,000	13,000	7,400	<40,000U	<2,000U	<5,000U
Chemical Oxygen Demand	µg/L		324,000	220,000	260,000	150,000	73,000	51,000
Chloride	µg/L	250000	-	1,400,000	1,900,000	4,600,000	3,100,000	3,400,000
Total Organic Carbon	µg/L		18,800	23,200	13,000	6,200	9,000	13,900
Total Organic Halogen	ug/l		-	66.5	41.4	72.2	81.1	80.3
PCBs								
Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U
Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U
Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U
Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U
Aroclor 1248	µg/L		<0.05U	0.195	0.216	<0.014U	<0.014U	<0.0833U
Aroclor 1254	µg/L		<0.05U	0.17	0.153	<0.022U	<0.022U	<0.0833U
Aroclor 1260	µg/L		<0.05U	0.084	0.103	<0.023U	<0.023U	<0.0833U
Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-
Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-
PCBs, Total	µg/L	0.09	<0.05U	0.449	0.472	<0.012U	<0.014	<0.0833U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

		Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
ChemName	Units	TOGS 1.1.1						
General Chemistry								
Alkalinity, Total	µg/L		530,000	560,000	807,000	718,000	492,000	569,000
Biological Oxygen Demand, Five day	µg/L		12,300	26,000	48,000	29,000	15,000	<10,000U
Chemical Oxygen Demand	µg/L		994,000	320,000	180,000	580,000	71,000	95,000
Chloride	µg/L	250000	-	620,000	660,000	780,000	980,000	1,170,000
Total Organic Carbon	µg/L		24,000	35,100	21,000	22,000	16,000	15,800
Total Organic Halogen	ug/l		-	47.4	35.7	30.5	50.8	50.7
PCBs								
Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U
Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U
Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U
Aroclor 1242	µg/L		<0.05U	0.279	<0.083U	<0.014U	0.026J	<0.0833U
Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	0.075J
Aroclor 1254	µg/L		<0.05U	0.187	<0.083U	0.022J	<0.022U	0.058J
Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.036J
Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-
Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-
PCBs, Total	µg/L	0.09	<0.05U	0.466	<0.083U	0.022J	0.026	0.169J

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

		Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
ChemName	Units	TOGS 1.1.1						
General Chemistry								
Alkalinity, Total	µg/L		291,000	330,000	323,000	319,000	265,000	238,000
Biological Oxygen Demand, Five day	µg/L		10,300	14,000	3,300	<2,000U	<2,000U	<2,000U
Chemical Oxygen Demand	µg/L		199,000	35,000	19,000J	37,000	4,100J	<10,000U
Chloride	µg/L	250000	-	250,000	240,000	170,000	91,000	108,000
Total Organic Carbon	µg/L		5,200	6,440	3,900	4,000	2,700	3,940
Total Organic Halogen	ug/l		-	50.4	27.9	26.3	63.6	74.8
PCBs								
Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U
Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U
Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U
Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U
Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U
Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	<0.0833U
Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U
Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-
Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-
PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	<0.012U	<0.014	<0.0833U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

		Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
ChemName	Units	TOGS 1.1.1						
General Chemistry								
Alkalinity, Total	µg/L		613,000	575,000	564,000	521,000	505,000	453,000
Biological Oxygen Demand, Five day	µg/L		<6,000U	3,400	<2,000U	<2,000U	2,800	<2,000U
Chemical Oxygen Demand	µg/L		359,000	49,000	42,000	56,000	55,000	29,000
Chloride	µg/L	250000	-	740,000	940,000	1,400,000	2,300,000	2,240,000
Total Organic Carbon	µg/L		5,500	7,620	2,200	1,600	1,000	3,690J
Total Organic Halogen	ug/l		-	40.5	62.1	11.9J	40.8	46.2
PCBs								
Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U
Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U
Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U
Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U
Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U
Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	<0.0833U
Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U
Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-
Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-
PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	<0.012U	<0.014	<0.0833U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
 Site #C224133

		Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
		Monitoring Round	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1
ChemName	Units	TOGS 1.1.1						
General Chemistry								
Alkalinity, Total	µg/L		-	391,000	315,000	436,000	403,000	363,000
Biological Oxygen Demand, Five day	µg/L		-	23,000	<5,000U	<10,000U	<2,000U	3,300
Chemical Oxygen Demand	µg/L		-	230,000	80,000	44,000	27,000	24,000
Chloride	µg/L	250000	-	1,300,000	350,000	560,000	840,000	737,000
Total Organic Carbon	µg/L		-	22,700	3,400	3,400	1,800	4,250
Total Organic Halogen	ug/l		-	46.1	22	24.7	61.1	56.7
PCBs								
Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U
Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U
Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U
Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.061	<0.0833U
Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	0.41	<0.014U	0.218
Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	0.238	<0.022U	0.124
Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.031J
Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-
Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-
PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	0.648	0.061	0.373

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
		Monitoring Event	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
ChemName	Units	TOGS 1.1.1						
VOCs								
1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U
1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U
1,1-dichloroethane	µg/L	5	<1U	<2.5U	0.81J	<0.7U	<0.7U	<2.5U
1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U
1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U
1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U
1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U
1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U
2-butanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1.9U	<1.9U	<5U
2-hexanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1U	<1U	<5U
4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U
Acetone	µg/L	50 ^{#1}	<10U	2.7J	<5U	<1.5U	4.8J	<5U
Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U
Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U
Bromoform	µg/L	50 ^{#1}	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U
Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Carbon disulfide	µg/L	60 ^{#1}	<1U	<5U	<5U	<1U	<1U	<5U
Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U
Chlorobenzene	µg/L	5	1	0.72J	0.81J	0.77J	0.71J	<2.5U
Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
cis-1,2-dichloroethene	µg/L	5	<1U	2.1J	2.7	1.5J	80	17
cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U
Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U
Dibromochloromethane	µg/L	50 ^{#1}	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U
Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U	<5U
Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Isopropylbenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U
Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U
Methyl tert butyl ether	µg/L	10 ^{#1}	1.5	4.6	21	5	7	66
Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U
Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U
Trichloroethene	µg/L	5	<1UJ	0.17J	<0.5U	<0.18U	<0.18U	<0.5U
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Vinyl chloride	µg/L	2	0.4	5.8	24	9.9	92	53

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

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Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
		Monitoring Event	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
ChemName	Units	TOGS 1.1.1						
VOCs								
1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U
1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U
1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U
1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U
1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U
1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U
1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U
2-butanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1.9U	<1.9U	<5U
2-hexanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1U	<1U	<5U
4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U
Acetone	µg/L	50 ^{#1}	<10U	2.3J	<5U	<1.5U	<1.5U	<5U
Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U
Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U
Bromoform	µg/L	50 ^{#1}	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U
Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Carbon disulfide	µg/L	60 ^{#1}	<1U	<5U	2.2J	<1U	<1U	<5U
Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U
Chlorobenzene	µg/L	5	1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U
Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U
Dibromochloromethane	µg/L	50 ^{#1}	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U
Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U	<5U
Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Isopropylbenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U
Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U
Methyl tert butyl ether	µg/L	10 ^{#1}	1.6	1.6J	1.1J	<0.7U	0.77J	<2.5U
Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U
Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U
Trichloroethene	µg/L	5	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Vinyl chloride	µg/L	2	4.7	<1U	3.4	2.5	0.98J	0.87J

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

^{#1} - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
		Monitoring Event	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
ChemName	Units	TOGS 1.1.1						
VOCs								
1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	-	<2.5U	-	-	<0.7U	<0.7U	<2.5U
1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U
1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U
1,2,3-trichlorobenzene	µg/L	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	
1,2,4-trichlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dibromo-3-chloropropane	µg/L	0.04	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U
1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U
1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U
1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,4-dioxane	µg/L	-	<250U	<250U	<41U	<61U	<250U	
2-butanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1.9U	<1.9U	<5U
2-hexanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1U	<1U	<5U
4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U
Acetone	µg/L	50 ^{#1}	4	5	<5U	2.3J	5.9	<5U
Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U
Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U
Bromoform	µg/L	50 ^{#1}	<1U	<2U	<2U	<0.65U	<0.65U	<2U
Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Carbon disulfide	µg/L	60 ^{#1}	<1U	<5U	<5U	<1U	<1U	<5U
Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U
Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U
Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U
Dibromochloromethane	µg/L	50 ^{#1}	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U
Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U	<5U
Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U
Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U
Methyl tert butyl ether	µg/L	10 ^{#1}	4	13	11	32	37	39
Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U
Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U
Trichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Vinyl chloride	µg/L	2	<1U	<1U	<1U	<0.07U	<0.07U	<1U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

^{#1} - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
		Monitoring Event	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
ChemName	Units	TOGS 1.1.1						
VOCs								
1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U
1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U
1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U
1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U
1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U
1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U
1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U
2-butanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1.9U	<1.9U	<5U
2-hexanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1U	<1U	<5U
4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U
Acetone	µg/L	50 ^{#1}	<10U	2.2J	<5U	<1.5U	<1.5U	2.2J
Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U
Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U
Bromoform	µg/L	50 ^{#1}	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U
Bromomethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Carbon disulfide	µg/L	60 ^{#1}	<1U	<5U	3.5J	<1U	<1U	<5U
Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U
Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U
Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U
Dibromochloromethane	µg/L	50 ^{#1}	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U
Dichlorodifluoromethane	µg/L	5	<1UJ	<5U	<5U	<1U	<1U	<5U
Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U
Methyl cyclohexane	µg/L		<1U	<20U	-	<0.4U	<0.4U	<10U
Methyl tert butyl ether	µg/L	10 ^{#1}	16	9.3	10	5.8	7.9	12
Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U
Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U
Trichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Vinyl chloride	µg/L	2	<1U	<1U	<1U	<0.07U	<0.07U	<1U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

^{#1} - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
		Monitoring Event	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
ChemName	Units	TOGS 1.1.1						
VOCs								
1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U
1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U
1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U
1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U
1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U
1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U
1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U
2-butanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1.9U	<1.9U	<5U
2-hexanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1U	<1U	<5U
4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U
Acetone	µg/L	50 ^{#1}	12	3.7J	<5U	2J	9.8	4.5J
Benzene	µg/L	1	1.1	<0.5U	0.34J	<0.16U	<0.16U	<0.5U
Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U
Bromoform	µg/L	50 ^{#1}	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U
Bromomethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Carbon disulfide	µg/L	60 ^{#1}	<1U	<5U	<5U	<1U	<1U	<5U
Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U
Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U
Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U
Dibromochloromethane	µg/L	50 ^{#1}	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U
Dichlorodifluoromethane	µg/L	5	<1UJ	<5U	<5U	<1U	<1U	<5U
Ethylbenzene	µg/L	5	1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U
Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U
Methyl tert butyl ether	µg/L	10 ^{#1}	16	14	17	14	5	22
Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U
Toluene	µg/L	5	4.4	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U
Trichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Vinyl chloride	µg/L	2	<1U	<1U	<1U	<0.07U	<0.07U	<1U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

^{#1} - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
		Monitoring Event	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	2018 Annual
		Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
ChemName	Units	TOGS 1.1.1						
VOCs								
1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U
1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U
1,1-dichloroethane	µg/L	5	<1U	0.75J	1.1J	<0.7U	<0.7U	<2.5U
1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	0.22J	0.24J
1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U
1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U
1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U
1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U
2-butanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1.9U	<1.9U	<5U
2-hexanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1U	<1U	<5U
4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U
Acetone	µg/L	50 ^{#1}	<10U	1.6J	<5U	<1.5U	<1.5U	<5U
Benzene	µg/L	1	0.2	2.3	4	0.66	0.54	0.36J
Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U
Bromoform	µg/L	50 ^{#1}	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U
Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Carbon disulfide	µg/L	60 ^{#1}	<1U	<5U	<5U	<1U	<1U	<5U
Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U
Chlorobenzene	µg/L	5	1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
cis-1,2-dichloroethene	µg/L	5	1.2	16	6.1	17	52	76
cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U
Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U
Dibromochloromethane	µg/L	50 ^{#1}	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U
Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U	<5U
Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Isopropylbenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U
Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U
Methyl tert butyl ether	µg/L	10 ^{#1}	<0.5U	<2.5U	<2.5U	<0.7U	<0.7U	24
Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Tetrachloroethene	µg/L	5	<1U	2.2	0.52	1.8	11	5.2
Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	0.78J	<0.7U	<0.7U	<2.5U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U
Trichloroethene	µg/L	5	1.4J	9.1	2.2	4.8	20	14
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Vinyl chloride	µg/L	2	2.7	5.5	5.6	12	8	5.6

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U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
		Monitoring Event	Baseline	2014 Annual	2015 Annual	2016 Annual	2017 Annual	5/30/2018
		Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
ChemName	Units	TOGS 1.1.1						
VOCs								
1,1,1-trichloroethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,1,2,2-tetrachloroethane	µg/L	5	<1UJ	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U
1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U
1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U
1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U
1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U
1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U
1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U
2-butanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1.9U	<1.9U	<5U
2-hexanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1U	<1U	<5U
4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U
Acetone	µg/L	50 ^{#1}	<10U	1.4J	<5U	<1.5U	<1.5U	<5U
Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U
Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U
Bromoform	µg/L	50 ^{#1}	<1U	<2U	<2U	<0.65U	<0.65U	<2U
Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Carbon disulfide	µg/L	60 ^{#1}	<1U	<5U	<5U	<1U	<1U	<5U
Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U
Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U
Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U
Dibromochloromethane	µg/L	50 ^{#1}	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U
Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U	<5U
Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U
Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U
Methyl tert butyl ether	µg/L	10 ^{#1}	<0.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U
Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U
Trichloroethene	µg/L	5	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Vinyl chloride	µg/L	2	<1U	<1U	<1U	<0.07U	<0.07U	<1U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

^{#1} - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

ChemName	Units	Sample ID Monitoring Event Well ID	Duplicate Baseline MW-2R	Duplicate 2014 Annual MW-5	Duplicate 2015 Annual MW-2R	Duplicate 2016 Annual MW-1	Duplicate 2017 Annual MW-1
ChemName	Units	TOGS 1.1.1					
VOCs							
1,1,1-trichloroethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,1,2,2-tetrachloroethane	µg/L	5	<1UJ	<0.5U	<0.5U	<0.14U	<0.17U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U
1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U
1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	0.7J
1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U
1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U
1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U
1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U
1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U
1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U
2-butanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1.9U	<1.9U
2-hexanone	µg/L	50 ^{#1}	<1U	<5U	<5U	<1U	<1U
4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U
Acetone	µg/L	50 ^{#1}	<10U	2.7J	<5U	<1.5U	<1.5U
Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U
Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U
Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U
Bromoform	µg/L	50 ^{#1}	<1U	<2U	<2U	<0.65U	<0.65U
Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Carbon disulfide	µg/L	60 ^{#1}	<1U	<5U	<5U	<1U	<1U
Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U
Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	0.86J	<0.7U
Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U
cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	1.7J	66
cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U
Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U
Dibromochloromethane	µg/L	50 ^{#1}	<1U	<0.5U	<0.5U	<0.15U	<0.15U
Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U
Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U
Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U
Methyl tert butyl ether	µg/L	10 ^{#1}	<0.5U	10	0.99J	5.5	4.8
Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U
Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U
Trichloroethene	µg/L	5	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U
Vinyl chloride	µg/L	2	6.2	<1U	3.5	6.8	100

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

^{#1} - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Appendices

Appendix A

Annual Inspection Form

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITE NUMBER C224133

NAME OF INSPECTOR: Damian Vanetti

COMPANY OF INSPECTOR: GHD Consulting Services, Inc.

DATE OF INSPECTION: 11-15-18

CURRENT USE OF THE SITE: Vehicle parking

HAS A CHANGE OF LAND-USE OCCURRED SINCE THE LAST INSPECTION?

☐ YES ☒ NO

IF YES, EXPLAIN HOW THE SITE HAS CHANGED: _____

IS THERE EVIDENCE OF LAND-USE OTHER THAN FOR INDUSTRIAL SINCE THE LAST INSPECTION?

☐ YES ☒ NO

IF YES, EXPLAIN THE NON-INDUSTRIAL LAND USE: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? ☐ YES ☒ NO

IF YES, EXPLAIN HOW THE SITE HAS CHANGED: _____

GENERAL DESCRIPTION OF THE COVER: Site is covered with asphalt paving with vegetated soil cover at perimeter surrounded by retaining wall / bulkhead. Chain link fence exist at outer perimeter.

HAS THE COVER BEEN COMPROMISED? ☐ YES ☒ NO

IF YES, EXPLAIN HOW THE COVER HAS CHANGED: _____

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITE NUMBER C224133

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?

____ YES ☒ NO

IF YES, EXPLAIN HOW THE SITE COVER CONDITIONS CHANGED: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?

____ YES ☒ NO

IF YES, EXPLAIN WHAT MAINTAINENCE IS REQUIRED:

General routine maintenance of the asphalt
pavement to seal surface cracks

ARE SIGNIFICANT EROSION RILLS OR CRACKING PRESENT?

____ YES ☒ NO

IF YES, EXPLAIN WHERE EROSION RILLS OR CRACKING ARE PRESENT: _____

IS PONDING PRESENT?

____ YES ☒ NO

IF YES, EXPLAIN WHERE PONDING IS PRESENT AND THE ASSOCIATED DEPTH:

IS ANY SOIL WASTE MATERIAL EXPOSED?

____ YES ☒ NO

IF YES, EXPLAIN WHERE SOIL WASTE MATERIAL ARE EXPOSED:

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITE NUMBER C224133

IS THERE A VISABLE CHANGE IN THE DESIGNATED DRAINAGE PATTERN?

____ YES ☒ NO

IF YES, EXPLAIN WHERE THE VISABLE CHANGE IN THE DESIGNATED DRAINAGE PATTERN ARE LOCATED: _____

IS SETTLEMENT OR SUBSIDNCE VISIBLE?

____ YES ☒ NO

IF YES, EXPLAIN WHERE SETTLEMENT OR SUBSIDNCE VISIBLE IS LOCATED: _____

ARE SIGNIFICANT EROSION RILLS OR CRACKING PRESENT?

____ YES ☒ NO

IF YES, EXPLAIN WHERE EROSION RILLS OR CRACKING ARE PRESENT: _____

ARE ALL GROUNDWATER MONITORING WELLS MAINTAINED PROPERLY
AND IN GOOD PHYSICAL CONDITION?

☒ YES ____ NO

IF NO, EXPLAIN HOW THE GROUNDWATER MONITORING WELLS HAVE BEEN
COMPROMISED:

____ MW - 2R remove/clear vegetation around well pad
for clear access

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITE NUMBER C224133

IS THERE ANY EVIDENCE THAT GROUNDWATER IS BEING USED FOR ANY PURPOSE?

____ YES X NO

IF YES, EXPLAIN HOW GROUNDWATER IS BEING USED:

ADDITIONAL OBSERVATIONS, CONCLUSIONS, OR RECOMMENDATIONS:

Woody growth should be cleared from perimeter stone cover/
retaining wall area
General debris (wind blown) along fence line should
be cleaned up as BMP.

ANY CHANGES TO THE SITE OR REQUIRED MAINTENANCE SHOULD BE MARKED
IN THE CORRESPONDING LOCATIONS ON AN ATTACHED MAP

Appendix B

Approval Notification for EQUIS Database Submittal

Ian McNamara

From: Dyson Sprouse
Sent: Monday, August 13, 2018 9:30 AM
To: Ian McNamara
Subject: FW: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2018 Groundwater Monitoring EQuIS Submittal
Attachments: image001.png

OperatingCentre: 86
JobNo: 16480
CompleteRepository: 8616480
RepoEmail: 8616480@ghd.com
Description: Frito-Lay Brooklyn BCP
RepoType: Job

From: dec.sm.NYENVDATA [NYENVDATA@dec.ny.gov]
Sent: Friday, August 3, 2018 8:54 AM
To: Dyson Sprouse
Cc: Post, Charles H (DEC)
Subject: RE: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2018 Groundwater Monitoring EQuIS Submittal

Dyson,

EDDs 20180726 1536.C224133.NYSDEC and 20180726 1557.C224133.NYSDEC were successfully uploaded and the data is available for use within the NYSDEC system.

Thank you,
Alison
NYSDEC EIMS Team
[New York State Dept of Environmental Conservation image]

From: Dyson.Sprouse@ghd.com [mailto:Dyson.Sprouse@ghd.com]
Sent: Thursday, July 26, 2018 4:04 PM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: Post, Charles H (DEC) <charles.post@dec.ny.gov>
Subject: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2018 Groundwater Monitoring EQuIS Submittal

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hello,
Attached are 2 EDDs for the 2018 Annual sampling event at the above referenced site. One contains field parameters and water levels and one contains analytical results.
Please let me know if edits are needed for a successful upload.
Thank you,

Dyson Sprouse
Engineer – Environment

GHD
T: 1 315 679 5763 | M: 1 607 423 7156 | V: 865763 | E: dyson.sprouse@ghd.com
One Remington Park Drive Cazenovia New York 13035 USA | www.ghd.com
WATER<<http://www.ghd.com/sectors/water/>> | ENERGY & RESOURCES<<http://www.ghd.com/global/sectors/energy--resources/>> | ENVIRONMENT<<http://www.ghd.com/sectors/environment/>> | PROPERTY & BUILDINGS<<http://www.ghd.com/global/sectors/property--buildings/>> | TRANSPORTATION<<http://www.ghd.com/global/sectors/transportation/>>

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about GHD

GHD is one of the world's leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings, and transportation. We provide engineering, environmental, and construction services to private and public sector clients.

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Periodic Review Report

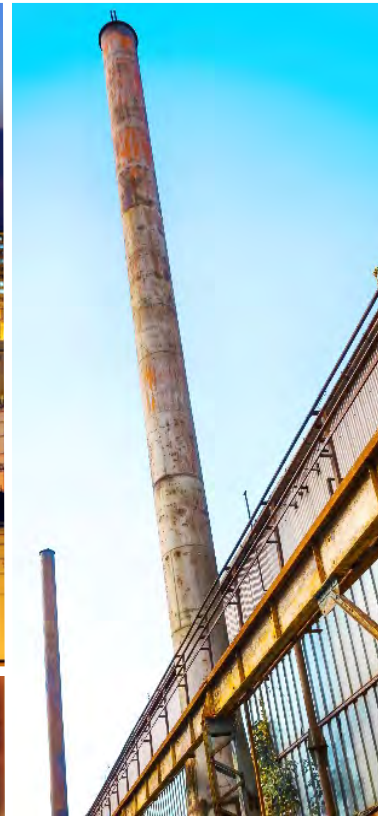
202 – 218 Morgan Avenue BCP Site

BCP Site #C224133

November 22, 2018 to November 22, 2019

Reporting Period

Rolling Frito-Lay Sales, LP





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



Site No. C224133

Site Details

Box 1

Site Name Frito Lay

Site Address: 202-218 Morgan Avenue Zip Code: 11237
City/Town: Brooklyn
County: Kings
Site Acreage: 2.8

Reporting Period: November 22, 2018 to November 22, 2019

YES NO

1. Is the information above correct?

☒ ☐

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?

☐ ☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

☐ ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

☐ ☒

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?

☐ ☒

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?
Industrial

☒ ☐

7. Are all ICs/ECs in place and functioning as designed?

☒ ☐

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

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

☐ ☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

☒ ☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C224133**Box 3****Description of Institutional Controls**

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
3-02942-0105	Rolling Frito Lay Sales, LP	Soil Management Plan Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan
A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP). The ICs are: Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns; All ECs must be operated and maintained as specified in the SMP; All ECs must be inspected at a frequency and in a manner defined in the SMP. Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP; Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP; All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP; Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are: The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed. The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC; All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP; The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use; The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;		

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0111

Rolling Frito Lay Sales, LP

Soil Management Plan
Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0112

Rolling Frito Lay Sales, LP

Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan
Soil Management Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Box 4

Description of Engineering Controls

Parcel

3-02942-0105

Engineering Control

Vapor Mitigation

Cover System

Subsurface Barriers

Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to

Parcel**Engineering Control**

discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0111

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

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The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

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Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0112

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards

Parcel

Engineering Control

or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

☒ ☐

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

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

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

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

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

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

YES NO

☒ ☐

**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. C224133

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 Cedric Robinson at 7701 Legacy Drive, Plano, TX 75025
print name print business address
am certifying as Owner (Owner or Remedial Party)

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

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

2/14/2020
Date

IC/EC CERTIFICATIONS

Box 7

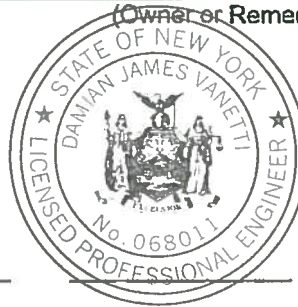
Professional Engineer Signature

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

I Damian J. Vanetti at GHD Consulting Services Inc.
One Remington Park Drive, Cazenovia, NY 13035
print name print business address

I am certifying as a Professional Engineer for the Owner
(Owner or Remedial Party)


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



Stamp
(Required for PE)

2-12-20

Date



Executive Summary

The 202-218 Morgan Avenue Brownfield Cleanup Program (BCP) Site (BCP Site #224133) consists of approximately 2.85-acres of land located at 202-218 Morgan Avenue, Borough of Brooklyn, Kings County, New York. The Site owner is Rolling Frito-Lay Sales, LP (Frito-Lay). The Site soil and groundwater was historically found to be contaminated with metals, polychlorinated biphenyls (PCBs), semi-volatile organic compounds (SVOCs), and volatile organic compounds (VOCs), and Site soil vapor was found to be contaminated with volatile organic compounds (VOCs). The Site was remediated to industrial use cleanup standards and received a Certificate of Completion (COC) from the New York State Department of Environmental Conservation (NYSDEC) on November 6, 2013.

The Site is currently in the monitoring stage, including annual inspections and annual groundwater monitoring, with groundwater samples being collected from on-Site and off-Site monitoring wells. In general, increasing and decreasing concentrations are observed for the various parameters across the Site, with no distinct discernable trends recognizable at this time. However, off-Site groundwater monitoring well MW-7 appears to have a generally increasing trend in concentrations of chlorinated VOCs, with concentrations of trichloroethene, cis-1,2-dichloroethene, and vinyl chloride have historically been detected at concentrations above groundwater standards in samples taken from MW-7 and appear to further indicate a generally increasing trend in chlorinated VOC concentrations off-site. The concentrations of detected compounds in Site groundwater samples do not indicate the need for further assessment or further action at this time. It is noted that the Site groundwater quality could be influenced by the adjacent English Kills and/or upgradient groundwater for certain compounds.

The institutional controls and engineering controls for the Site remain in place and effective for protecting human health and the environment. The soil cover engineering controls remain in place and functioning as intended. At the time of the annual Site inspection (November 14, 2019), it was noted that minor vegetation growth should be removed from the area around monitoring well MW-2R and woody vegetation should be removed from the stone rip-rap portion of the Site during regular maintenance. Woody growth should be monitored periodically as part of routine maintenance to determine if removal is required. In addition, the shifted concrete barricades in a portion of the bulkhead should be evaluated to determine if structural instability could be occurring. Annual groundwater monitoring has been completed in accordance with the Site Management Plan (SMP). There are no new buildings constructed on-Site and the existing warehouse on the adjacent property to the north has not been expanded. As a result, there is no need for a sub-slab depressurization system (SSDS) engineering control. The institutional and engineering controls certification form, as issued by the Department, has been completed and included Attachment 1 at the beginning of this report.

There is no need to revise the SMP or propose a change to the frequency of PRR submittals at this time. Groundwater will continue to be monitored on an annual basis and Site inspections will continue to be performed on an annual basis, in accordance with the SMP. If buildings are constructed in the future they will be evaluated to determine if mitigation of soil vapor intrusion is necessary. The requirements necessary to discontinue Site monitoring and Site Engineering and Institutional Controls have not been met at this time.



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Table 1 – Groundwater Elevation Data

Table 2 – Groundwater Field Parameter Data

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Attachment and Appendix Index

Attachment 1	Institutional and Engineering Controls Certification Form (prior to Executive Summary)
Appendix A	Annual Inspection Form
Appendix B	Approval Notifications for EQUIS Database Submittals



1. Introduction

1.1 Purpose

This Periodic Review Report (PRR) is being submitted on behalf of Rolling Frito-Lay Sales, LP (Frito-Lay) for the 202-218 Morgan Avenue Brownfield Cleanup Program (BCP) Site (BCP Site No. C224133) located at 202-218 Morgan Avenue, Borough of Brooklyn, Kings County, New York (Figure 1). The purpose of this PRR, and attached documents, is to document that institutional and engineering controls, as described in the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP) and Environmental Easement (EE), are in place in accordance with 6NYCRR Part 375-3. The following elements are included in this report:

- A complete description of all institutional and/or engineering controls employed at the Site
- An evaluation of the plans developed for implementation of the engineering and institutional controls, regarding the continued effectiveness of any institutional and/or engineering controls required by the decision document for the Site
- A certification prepared by a professional engineer or qualified environmental professional that the institutional controls and/or engineering controls employed at the Site during the period are:
 - o Unchanged from the previous certification, unless approved by the Department, consistent with the SMP
 - o In place and effective
 - o Performing as designed, and that nothing has occurred that would (1) impair the ability of the controls to protect public health and the environment, or (2) constitute a violation or failure to comply with any operation and maintenance plan for such controls
- The institutional and engineering controls certification form as issued by the Department has been completed and included at the beginning of this report.
- Data tables and figures depicting results of annual groundwater monitoring activities conducted on- and off-Site.

1.2 Certification Period

NYSDEC requested that this PRR cover the period between November 22, 2018 and November 22, 2019. During this period, Frito-Lay performed regular inspections of the soil cover engineering control on-Site. GHD Consulting Services Inc. (GHD), on behalf of Frito-Lay, performed annual groundwater monitoring, conducted an annual visual inspection of engineering controls on-Site, and prepared this PRR.



1.3 Scope and Limitations

This report has been prepared by GHD for Rolling Frito-Lay Sales, LP and may only be used and relied on by Rolling Frito-Lay Sales, LP for the purpose agreed between GHD and Rolling Frito-Lay Sales, LP as set out in Section 1.1 of this report.

GHD otherwise disclaims responsibility to any person other than Rolling Frito-Lay Sales, LP arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

GHD has prepared this report based in part on information provided by Rolling Frito-Lay Sales, LP and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

The opinions, conclusions and any recommendations in this report are based on information obtained from, and testing undertaken at or in connection with, specific sample points. Site conditions at other parts of the Site may be different from the Site conditions found at the specific sample points.

Investigations undertaken in respect of this report are constrained by the particular Site conditions, such as the location of buildings, services and vegetation. As a result, not all relevant Site features and conditions may have been identified in this report.

Site conditions (including the presence of hazardous substances and/or Site contamination) may change after the date of this report. GHD does not accept responsibility arising from, or in connection with, any change to the Site conditions. GHD is also not responsible for updating this report if the Site conditions change without further authorization to do so by Rolling Frito-Lay Sales, LP.



2. Site Overview

The Site is located in the Borough of Brooklyn, Kings County, New York and is identified as Block 2942 and Lots 105, 111, and 112 on the NYSDEC Institutional and Engineering Controls Certification Form. Information obtained from the New York City Finance Department online Tax Maps identifies the Site as Block 2942 and Lot 105, with no matching records for Lots 111 and 112. The Site is approximately 3.23-acres of land, of which approximately 2.85-acres were entered into the BCP. The Site is bound by an adjacent parcel to the north owned by Rolling Frito-Lay Sales, LP and used for distribution activities; English Kills to the east; the English Kills basin and an adjacent industrial parcel to the south; and Morgan Avenue to the west with commercial and industrial properties further west (see Figure 2).

The Site is currently developed with an asphalt pavement parking area used for parking Frito-Lay delivery vehicles and employee vehicles. The portion of the Site not occupied by asphalt pavement consists of minor grass covered landscaping areas and rip-rap adjacent to English Kills and the English Kills basin.

The Remedial Investigation (RI), which was conducted under Brownfield Cleanup Agreement (BCA Index #A2-0622-0709) during 2009 and 2010, characterized the nature and extent of contamination at the Site. The results of the RI, as reported in the *Revised Remedial Investigation Report* (Gannett Fleming, P.C., July 2010) and the *Supplemental Remedial Investigation and Second Supplemental Remedial Investigation Report* (Gannett Fleming, P.C., April 2011) determined that contaminants of concern (COCs) were present in Site soil, groundwater, and soil vapor. It was determined that Site surface and subsurface soils contained arsenic, lead, mercury, polychlorinated biphenyls (PCBs), and semi-volatile organic compounds (SVOCs) at concentrations that exceeded the Unrestricted Use Soil Cleanup Objectives (SCOs). Analytical results of Site groundwater samples identified arsenic, lead, and volatile organic compounds (VOCs) at concentrations that exceeded the Technical and Operational Guidance Series (TOGS) Class GA groundwater standards or guidance values. VOCs were also detected in Site soil vapor samples.

A Remedial Work Plan (RWP) was prepared by Gannett Fleming, P.C. (August 2011). The remedial goals for the Site included:

- removing or eliminating significant threats to human health and the environment
- protecting human health and the environment during the contemplated future use of the Site, which was identified as industrial, heavy manufacturing, in accordance with the BCA and DER-10.

The proposed remedial approach was to remediate the Site to a Track 4 Restricted Use by meeting the Industrial Use SCOs. This remediation approach included excavation of soil/fill exceeding Site-specific remedial action objectives (RAOs), excavation of soil/fill exceeding the Industrial Use SCOs, and implementation of engineering/institutional controls. Remedial activities were completed at the Site in February 2013. Soil/fill excavation included:

- the removal of approximately 16,513 tons of hazardous PCB soil (PCB concentrations in excess of 50 mg/kg)



- the removal of approximately 4,096 tons of non-hazardous PCB soil (PCB concentrations in excess of 10 mg/kg or 25 mg/kg, depending on the excavation area)
- the removal of approximately 619 tons of arsenic, lead, and mercury contaminated soil with concentrations exceeding the Protection of Groundwater and/or Industrial Use SCOs
- the placement of imported clean fill material back into the excavation areas.

Excavated soil/fill was transported for off-Site disposal. The PCB excavated soils that were identified as hazardous were reportedly managed in accordance with TSCA regulations.

The selected remedy for groundwater remediation was natural attenuation, based on the fact that VOC daughter products were present in several on-Site groundwater monitoring wells, which suggests that degradation is occurring and can be expected to continue over time. Also, sensitive receptors were not identified downgradient of the Site and the Site and surrounding area is serviced by a municipal water supply system.

The engineering controls for the Site consist of maintaining the soil cover system and requiring the installation of a sub-slab depressurization system (SSDS) in any new buildings constructed on-Site, or in future expansions added to the Frito-Lay warehouse located on the adjoining property to the north. The institutional controls include a Site groundwater use restriction, a Site use restriction restricting the use to industrial uses, and the requirement that a SSDS will be installed in any future buildings constructed on-Site.

An Environmental Easement (EE) for the Site was filed with the Kings County Clerk's Office on September 20, 2013. A Site Management Plan, which outlines Site restrictions and requirements of future maintenance and monitoring, was completed in September 2013. A Certificate of Completion allowing for industrial uses of the Site was received from the NYSDEC on November 6, 2013.

The reader of this PRR may refer to previous reports for more detail, as needed. These reports include:

- *Subsurface Investigation*, Gannett Fleming, P.C., 2003.
- *Phase I Environmental Site Assessment*, Gannett Fleming, P.C., 2006.
- *Surface Pile Characterization Work Plan*, Gannett Fleming, P.C., 2007.
- *Phase II Environmental Site Assessment*, Gannett Fleming, P.C., 2007.
- *Remedial Investigation*, Gannett Fleming, P.C., 2009.
- *Supplemental Remedial Investigation*, Gannett Fleming, P.C., 2010.
- *Second Supplemental Remedial Investigation*, Gannett Fleming, P.C., 2011.
- *Remedial Work Plan*, Gannett Fleming, P.C., 2011.
- *Site Management Plan*, Frito-Lay, Brooklyn, New York, NYSDEC Site Number: C224133, Gannett Fleming Engineers, P.C., September 2013.
- *Final Engineering Report*, Frito-Lay, Brooklyn, Kings County, New York, NYSDEC Site Number: C224133, Gannett Fleming Engineers, P.C., October 2013.
- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report*, November 22, 2017 – November 22, 2018, GHD Consulting Services Inc., January 7, 2019.



- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Post-Remediation Groundwater Monitoring – 2018 PCB Re-Sample, GHD Consulting Services Inc., March 7, 2019.*
- *202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Annual Post-Remediation Groundwater Monitoring – 2019, GHD Consulting Services Inc., October 4, 2019.*



3. Institutional and Engineering Controls

Based on identified soil, groundwater, and soil vapor contamination, and the Site's past and present use, institutional and engineering controls are utilized at the Site to limit exposure risks. These institutional and engineering controls are described below.

3.1 Institutional Controls

The institutional controls (ICs) for this Site are outlined in the NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013) and adherence to these ICs is required by the Environmental Easement. The ICs for the Site include the following:

- the property may only be used for industrial uses provided that the long-term engineering and institutional controls included in the NYSDEC-approved SMP are employed
- the property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and/or commercial use without additional remediation and amendment of the EE, as approved by the NYSDEC
- all future activities on the property that will disturb remaining contamination must be conducted in accordance with the NYSDEC-approved SMP
- the use of groundwater underlying the property is prohibited without treatment rendering it safe for intended use and prior approval by NYSDEC
- the potential for soil vapor intrusion must be evaluated for any buildings developed on Site, or expansions added to the existing warehouse to the north, and any potential impacts that are identified must be monitored and/or mitigated
- vegetable gardens and farming on the property are prohibited
- the Site owner or remedial party will submit to the NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and (2) nothing has occurred that impairs the ability of the controls to protect public health and the environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow, and will be made by an expert that the NYSDEC finds acceptable.

3.1.1 Site Use

The Site use has not changed since the NYSDEC issued the Certificate of Completion and is currently used for industrial uses and parking of Frito-Lay company/delivery and employee vehicles.

3.1.2 Groundwater

Groundwater is not being used at the Site.



Following the May 2018 groundwater monitoring event, the NYSDEC requested that a separate round of groundwater sampling be performed to confirm PCB concentrations identified in samples taken from Site monitoring wells. The additional sampling was completed in December 2018 by GHD personnel and concluded that discernible trends in concentrations and relationships to groundwater sample turbidity were not evident at the time.

Monitored natural attenuation groundwater monitoring was conducted as outlined in the NYSDEC-approved SMP during this PRR reporting period (May 2019). Laboratory analytical results were tabulated and submitted to the NYSDEC (GHD, October 4, 2019) and to the NYSDEC's EQulS Database. Results of groundwater monitoring did not warrant revision of the monitoring schedule or analytical list.

3.1.3 Excavations

No excavations occurred on-Site during this PRR's certification period.

3.2 Engineering Controls

The engineering controls (ECs) for this Site are outlined in the NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013), and include the following:

3.2.1 Asphalt and Soil (Engineered) Cover Systems

Direct contact with soil/fill at the Site is mitigated by a soil cover system in place over the entirety of the Site. This soil cover system is comprised of a minimum of 6 inches of asphalt pavement or a minimum of 1-foot of clean soil/fill, consisting of maintained landscape areas or rip rap. The location of the soil cover system is depicted in Figure 3.

The soil cover system was in place for the duration of the certification period and no maintenance was required to amend the soil cover system. At the time of the annual Site inspection (November 14, 2019), it was noted that surface cracks were present in the asphalt pavement and it was recommended that an evaluation of the asphalt pavement be completed to determine if repairs and/or maintenance were required. The remainder of the soil cover system was in good repair; however, woody vegetation was observed along the bulkhead and several of the concrete barricades in the bulkhead were shifted. It was recommended to remove the woody vegetation and assess the concrete barriers to ascertain if there were any structural concerns that require action. Both conditions should be monitored to determine if further action is needed.

Additional information can be found in the Institutional and Engineering Controls Certification Form (beginning of this report) and the Annual Inspection Form (Appendix A).

3.2.2 Chain Linked Fence

To prevent unauthorized access to the Site, a 10-foot high chain linked fence was installed along the eastern, western, and southern boundaries. Access to the Site from the northern boundary is controlled by the adjacent property, which is also owned by Frito-Lay.

The chain linked fence was in good condition at the time of the annual Site inspection (November 14, 2019) and appeared to be effective in limiting unauthorized access to the Site.



3.2.3 Sub-Slab Depressurization System

A sub-slab depressurization system (SSDS) will be required to be installed in any new buildings constructed on-Site or if the warehouse on the adjacent property to the north, which is also owned by Frito-Lay, is expanded or renovated.

At the time of the annual Site inspection (November 14, 2019) no new buildings had been constructed on-Site and the adjacent warehouse to the north had not been expanded. Therefore, no SSDS is required at this time.



4. Operations and Monitoring

The NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013) requires annual groundwater monitoring and reporting. The annual monitoring is intended to assess the performance of the remedy and overall reduction in contamination on-Site. The annual groundwater monitoring was completed in accordance with the SMP (Figures 4, 5, 6, and 7 and Tables 1, 2, and 3). The laboratory sample results were transmitted to the NYSDEC in the Annual Post-Remediation Groundwater Monitoring letter report (GHD, October 4, 2019) and were also successfully uploaded into the NYSDEC's EQulS Database on September 18, 2019 (Appendix B). Table 3 summarizes laboratory analytical results of groundwater samples taken since remediation was completed at the Site. The groundwater results are compared to Class GA groundwater quality standards or guidance values from the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1, June 1998 and subsequent addenda).

In general, since post-remediation baseline samples were taken, concentrations of analytes detected in groundwater samples have both increased and decreased, with no consistent Site-wide trends recognizable at this time. Overall the number of contaminants detected above groundwater standards are limited as noted in the tables and figures. However, off-Site groundwater monitoring well MW-7 appears to have a generally increasing trend in concentrations of chlorinated VOCs, with concentrations of trichloroethene, cis-1,2-dichloroethene, and vinyl chloride having historically been detected at concentrations above groundwater standards in samples taken from MW-7 and appear to further indicate a generally increasing trend in chlorinated VOC concentrations off-site. In addition, the concentrations of barium in off-site groundwater monitoring well MW-8 appears to have a slightly increasing trend. The detected contaminants in MW-7 and MW-8 are likely related to an off-site source as these monitoring wells are upgradient of the Site and the contaminants detected are at higher concentrations than detected in samples taken from on-Site monitoring wells. The concentrations of detected PCBs in Site groundwater samples obtained in May 2018 indicated the need for further assessment to confirm if the concentrations were accurate and if turbidity of the sample water contributed to the results. As a result, groundwater monitoring wells were resampled in December 2018 and analyzed for PCBs only. Based on available information to date, there are no clearly discernable trends in PCB concentrations in samples taken from on-Site groundwater monitoring wells. Trends will continue to be evaluated as more data becomes available.

It is noted that the Site groundwater quality could be influenced by the tidal water dynamics of the adjacent English Kills and/or upgradient groundwater for certain compounds.

Based on the groundwater data received to date, the qualitative exposure assessment assumptions regarding on-Site and off-site contamination have not changed and are still valid. As future groundwater monitoring events occur, the data will be reviewed to determine if any compound-specific or Site-wide trends (decreasing or increasing) can be identified.



5. Recommendations

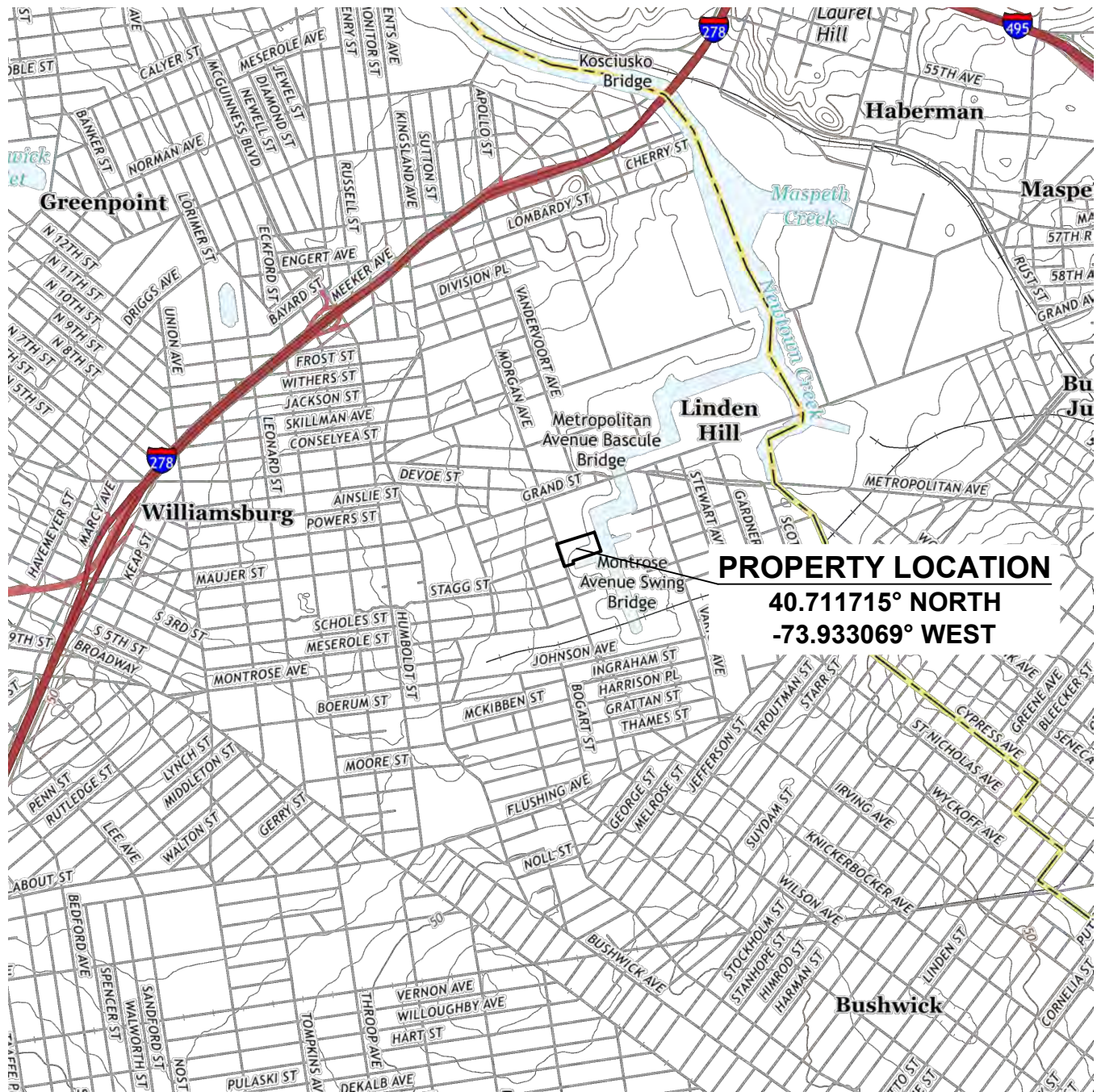
Based on a review of the annual groundwater data, it is recommended that the ICs and ECs currently in place for the Site remain in place in order to ensure the continued effectiveness and protectiveness of the remedy. The trends in groundwater quality associated with the off-site monitoring wells MW-7 and MW-8 should continue to be assessed for potential impacts to Site groundwater quality. Groundwater monitoring should continue to be conducted on an annual basis, as identified in the SMP, until the May 2020 monitoring event, after which the monitoring results should be reviewed and modifications to future monitoring requirements, if any, should be recommended to the NYSDEC. The effectiveness of the remedy should continue to be evaluated through analytical results from the groundwater monitoring events.

Based on the annual inspection observations, the following items were noted:

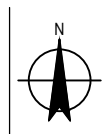
1. The surface cracks in the asphalt pavement should be assessed to determine if they are progressing to the point that influences the amount of stormwater infiltration into the subsurface or could compromise the engineering control. In general, the asphalt pavement should be maintained and cracks sealed as part of the Site maintenance program.
2. Vegetation growth around monitoring well MW-2R should be removed to allow for clear access to the well.
3. The woody growth along the perimeter rip-rap should be periodically removed to control potential impacts to the cover system.
4. The concrete barricades comprising a portion of the bulkhead should be evaluated to determine if their observed shifting could lead to structural instability.

The annual Site inspections should be continued to ensure that the Site use has not changed and the engineering controls are in place and functioning as intended.

Figures



CONTOUR INTERVAL: 10 FEET
 MAP TAKEN FROM: USGS 7.5 MINUTE SERIES
 TOPOGRAPHIC QUADRANGLES:
 BROOKLYN, NY (2016)
 (U.S. GEOLOGICAL SURVEY WEBSITE)

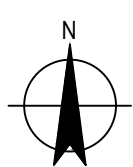
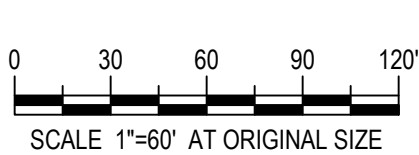
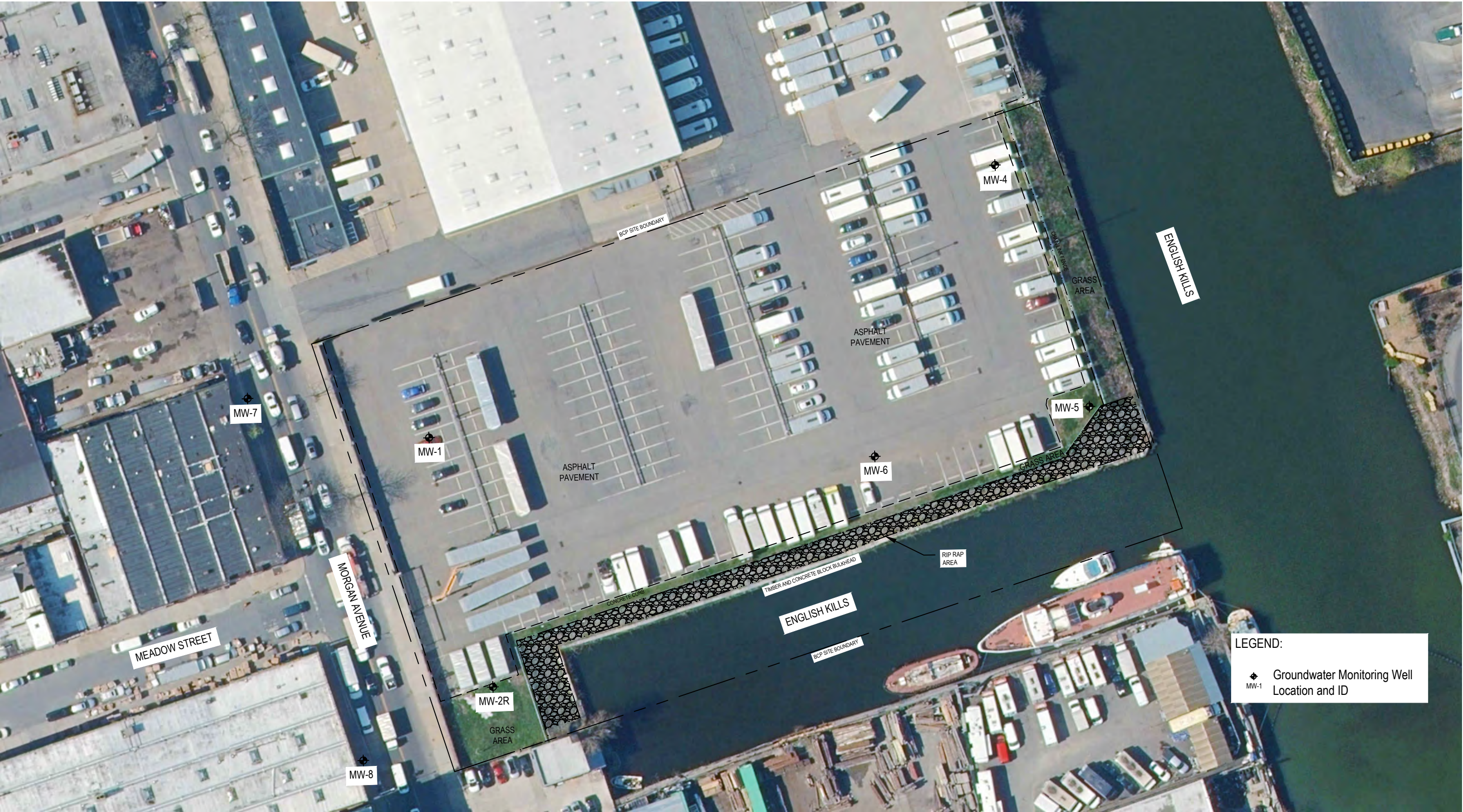


Rolling Frito-Lay Sales, LP
 Periodic Review Report - Nov. 22, 2018 to Nov. 22,
 2019 - 202-218 Morgan Avenue BCP Site (#C224133)

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 Revision | A
 Date | 12.06.2019

Site Location Map

Figure 1



NOTES:
1. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.

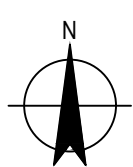
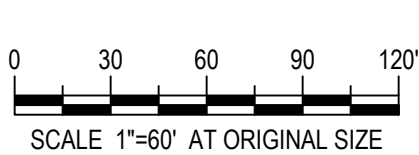


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Periodic Review Report - Nov. 22, 2018 to Nov. 22,
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Site Layout

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Figure 2

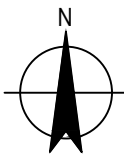
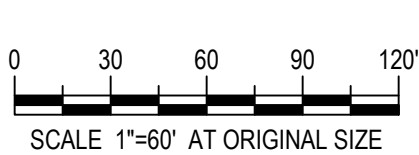
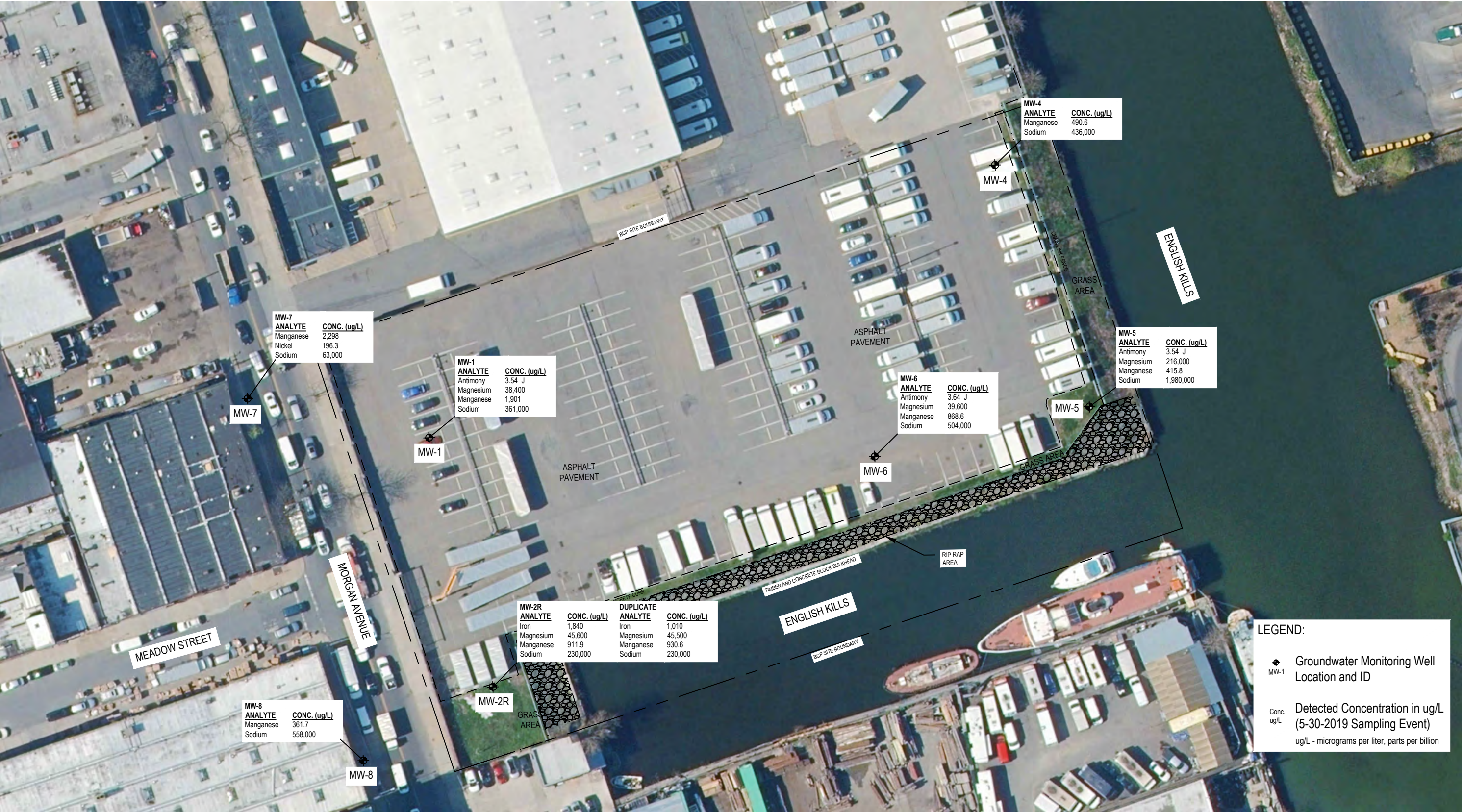


NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



Rolling Frito-Lay Sales, LP
Periodic Review Report - Nov. 22, 2018 to Nov. 22, 2019 - 202-218 Morgan Avenue BCP Site (#C224133)
Exceedances of Groundwater Standards - Total Metals

Job Number 86-16480
Revision A
Date 12.06.2019
Figure 4

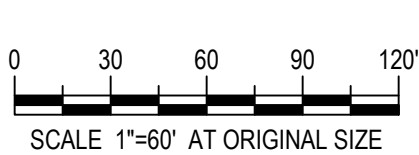
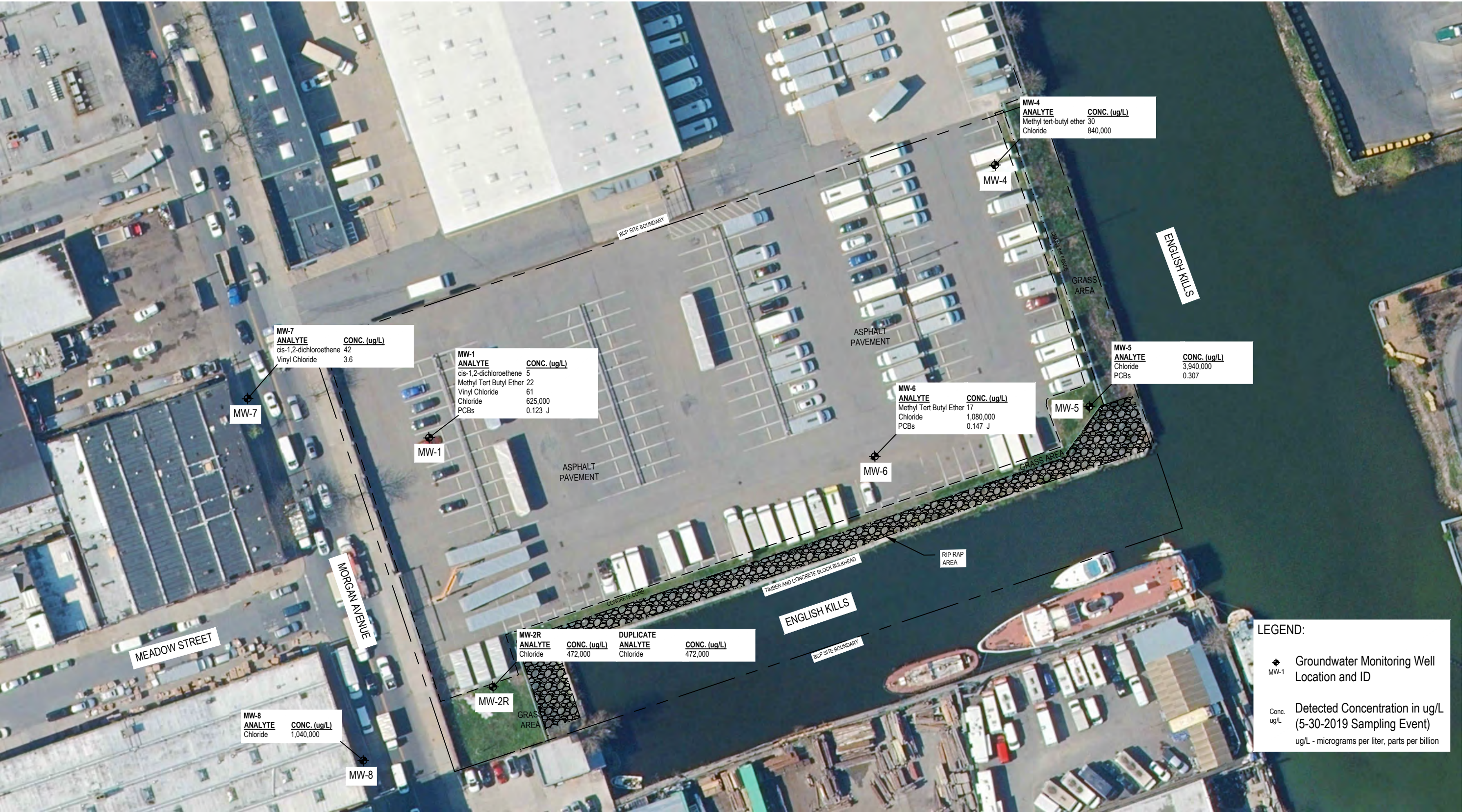


NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



Rolling Frito-Lay Sales, LP
Periodic Review Report - Nov. 22, 2018 to Nov. 22, 2019 - 202-218 Morgan Avenue BCP Site (#C224133)
Exceedances of Groundwater Standards - Dissolved Metals

Job Number 86-16480
Revision A
Date 12.06.2019
Figure 5

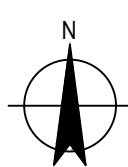
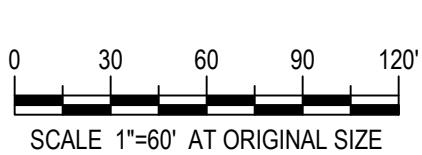
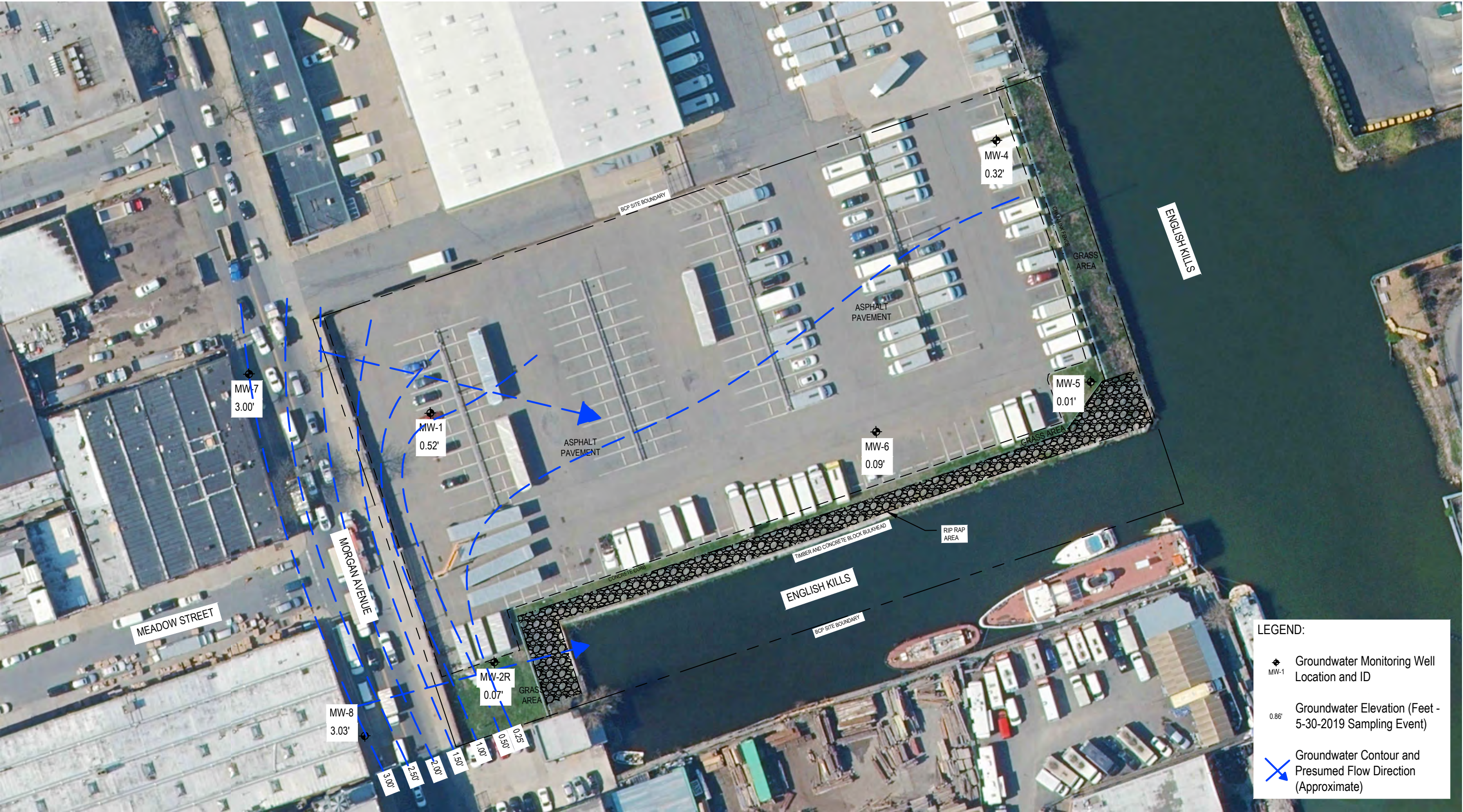


NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



Rolling Frito-Lay Sales, LP
Periodic Review Report - Nov. 22, 2018 to Nov. 22, 2019 - 202-218 Morgan Avenue BCP Site (#C224133)
Exceedances of Groundwater Standards - Other Analytes

Job Number 86-16480
Revision A
Date 12.06.2019
Figure 6



NOTES:
1. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



Rolling Frito-Lay Sales, LP
Periodic Review Report - Nov. 22, 2018 to Nov. 22, 2019 - 202-218 Morgan Avenue BCP Site (#C224133)
Groundwater Elevation and Flow Direction

Job Number 86-16480
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Figure 7

Tables



Table 1: (Page 1 of 1) Groundwater Elevation Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-1	2009	Top of PVC	9.93	-	-	1.74	-
	2011			-	-	1.54	-
	5/14/2014			9.07	16.33	0.86	1.16
	6/4/2015			9.74	16.38	0.19	1.06
	5/26/2016			9.55	16.24	0.38	1.07
	5/22/2017			9.24	16.93	0.69	1.23
	5/30/2018			9.06	16.93	0.87	1.26
	12/19/2018			5.11	16.93	4.82	1.89
	5/30/2019			9.41	16.93	0.52	1.20
MW-2R	2009	Top of PVC	10.26	-	-	2.71	-
	2011			-	-	0.40	-
	7/4/2015			9.75	17.92	0.51	1.31
	6/4/2015			9.69	17.92	0.57	1.32
	5/26/2016			10.22	17.61	0.04	1.18
	5/22/2017			9.53	17.95	0.73	1.35
	5/30/2018			10.42	17.95	-0.16	1.20
	12/19/2018			4.9	17.95	5.36	2.09
	5/30/2019			10.19	17.95	0.07	1.24
MW-4	2009	Top of PVC	10.22	-	-	2.04	-
	2011			-	-	0.54	-
	5/14/2014			9.91	16.48	0.31	1.05
	6/4/2015			10.50	16.45	-0.28	0.95
	5/26/2016			10.76	16.28	-0.54	0.88
	5/22/2017			10.15	16.60	0.07	1.03
	5/30/2018			9.83	16.60	0.39	1.08
	12/19/2018			2.72	16.60	7.50	2.22
	5/30/2019			9.90	16.60	0.32	1.07
MW-5	2009	Top of PVC	10.77	-	-	1.76	-
	2011			-	-	-0.80	-
	5/14/2014			11.01	18.69	-0.24	1.23
	6/4/2015			9.91	18.60	0.86	1.39
	5/26/2016			12.65	18.58	-1.88	0.95
	5/22/2017			11.25	18.70	-0.48	1.19
	5/30/2018			10.46	18.70	0.31	1.32
	12/19/2018			1.96	18.70	8.81	2.68
	5/30/2019			10.76	18.70	0.01	1.27
MW-6	2009	Top of PVC	10.22	-	-	1.11	-
	2011			-	-	0.80	-
	5/14/2014			10.36	17.05	-0.14	1.07
	6/4/2015			10.81	17.08	-0.59	1.00
	5/26/2016			10.97	16.88	-0.75	0.95
	5/22/2017			10.55	17.10	-0.33	1.05
	5/30/2018			10.49	17.10	-0.27	1.06
	12/19/2018			2.4	17.10	7.82	2.35
	5/30/2019			10.13	17.10	0.09	1.12
MW-7	2009	Top of PVC	11.11	-	-	2.92	-
	2011			-	-	1.48	-
	5/14/2014			8.17	15.42	2.94	1.16
	6/4/2015			8.33	16.42	2.78	1.29
	5/26/2016			8.32	15.22	2.79	1.10
	5/22/2017			8.15	15.45	2.96	1.17
	5/30/2018			7.88	15.45	3.23	1.21
	12/19/2018			NM	NM	-	-
	5/30/2019			8.11	15.45	3.00	1.17
MW-8	2009	Top of PVC	11.43	-	-	2.50	-
	2011			-	-	2.32	-
	5/14/2014			8.85	14.45	2.58	0.90
	6/4/2015			8.92	14.45	2.51	0.88
	5/26/2016			8.70	14.20	2.73	0.88
	5/22/2017			8.88	14.60	2.55	0.92
	5/30/2018			8.61	14.60	2.82	0.96
	12/19/2018			NM	NM	-	-
	5/30/2019			8.40	14.60	3.03	0.99

DTW - depth to water

DOW - depth of well

DTW and DOW measurements taken prior to purging using an electronic water level meter

2009 and 2011 groundwater elevation information taken from the Site Management Plan prepared by Gannett Fleming (September 2013)

Reference elevations taken from as-built plan prepared by PS&S (August 21, 2013)



Table 2: (Page 1 of 1) Groundwater Field Parameter Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Well I.D.	Date	Time	Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (gal)	Comments
MW-1	5/30/2019	11:00	10.6	2.010	0.09	6.44	-150	200	1.65	Water was cloudy brown with odor during purging, clear with no odor during sampling.
		11:05	10.7	1.990	0.11	6.46	-151	190		
		11:10	10.8	1.980	0.10	6.48	-152	171		
		11:15	11.0	1.960	0.05	6.49	-153	56		
		11:20	11.0	1.940	0.06	6.49	-152	21		
		11:25	11.0	1.900	0.04	6.50	-151	19		
MW-2R	5/30/2019	8:30	11.3	1.900	0.29	6.77	-141	190	1.65	Water slightly cloudy, light brown during purging, clear with no odor during sampling.
		9:05	11.4	1.890	0.21	6.70	-140	70		
		9:10	11.6	1.940	0.24	6.71	-140	40		
		9:15	11.7	1.960	0.20	6.70	-140	10		
		9:20	11.8	1.990	0.23	6.71	-143	7		
		9:25	11.8	1.970	0.19	6.72	-144	7		
MW-4	5/30/2019	12:30	16.1	3.600	8.08	7.20	20	129	1.65	Water slightly cloudy, light brown during purging, clear with no odor during sampling.
		12:35	16.4	3.480	8.25	7.34	-45	52		
		12:40	17.1	3.560	7.15	7.29	-115	41		
		12:45	18.1	3.610	7.29	7.29	-132	29		
		12:50	18.1	3.630	7.19	7.19	-133	22		
		12:55	18.2	3.630	7.44	7.18	-135	21		
MW-5	5/30/2019	6:30	10.2	4.320	0.19	6.92	-170	57	1.65	Water slightly cloudy, light brown, slight odor during purging, clear with very slight odor during sampling.
		6:35	10.9	4.300	0.11	6.90	-166	47		
		6:40	10.9	4.310	0.03	6.89	-163	28		
		6:45	10.9	4.300	0.04	6.89	-160	28		
		6:50	10.9	4.310	0.03	6.90	-157	20		
		6:55	11.0	4.320	0.06	6.88	-155	21		
MW-6	5/30/2019	7:20	11.0	3.810	0.60	6.82	-70	196	1.65	Water slightly cloudy, light brown, strong odor during purging, clear with strong odor during sampling.
		7:25	11.2	3.840	0.63	6.88	-71	100		
		7:30	11.3	3.860	0.62	6.89	-72	32		
		7:35	11.4	3.890	0.55	6.91	-74	17		
		7:40	11.5	3.880	0.54	6.88	-75	14		
		7:45	11.6	3.860	0.54	6.88	-77	14		
MW-7	5/30/2019	14:40	14.4	0.976	1.12	6.66	-19	505	1.65	Water slightly cloudy, light brown, slight odor during purging and sampling.
		14:45	14.8	0.922	1.00	6.64	-34	333		
		14:50	14.8	0.900	0.44	6.69	-140	234		
		14:55	15.0	0.899	0.43	6.40	-141	311		
		15:00	14.9	0.896	0.32	6.40	-150	200		
		15:05	14.8	0.900	0.34	6.38	-156	198		
MW-8	5/30/2019	13:15	12.5	3.311	1.99	6.54	77	657	1.65	Water slightly cloudy, light brown, slight odor during purging and sampling.
		13:20	12.7	3.140	1.09	6.67	20	700		
		13:25	12.8	3.450	0.66	6.79	-1	432		
		13:30	12.9	3.560	0.00	6.79	-88	119		
		13:35	13.0	3.570	0.00	6.80	-99	88		
		13:40	13.1	3.540	0.00	6.81	-101	92		

Field parameters collected during purging using a multi-parameter water quality meter with flow thru cell and peristaltic pump



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
Method Name	Analyte	Units	TOGS 1.1.1							
Total Metals	Aluminum, Total	µg/L		220	2,710	5,230	1,000	19.8	700	75.8
	Antimony, Total	µg/L	3	<12U	6.53	2.1	0.7J	<0.42U	0.69J	10.14
	Arsenic, Total	µg/L	25	<8U	4.26	12.1	2.5	1.54	3.01	3.87
	Barium, Total	µg/L	1000	180	218.7	333.3	235.6	284.9	224.9	171.4
	Beryllium, Total	µg/L	3	<4U	0.17J	0.4J	<0.2U	<0.1U	<0.5U	<0.1U
	Cadmium, Total	µg/L	5	<4U	0.83	2.1	0.5	0.06J	0.36	0.13J
	Calcium, Total	µg/L		210,000	166,000	211,000	189,000	276,000	182,000	152,000
	Chromium, Total	µg/L	50	<50U	35.47	91.6	18.2	2.89	11.93	2.54
	Cobalt, Total	µg/L		<20U	3.58	7.9	2	1.16	2.12	0.97
	Copper, Total	µg/L	200	<50U	66.06	180	17.7	0.71J	21.1	1.88
	Iron, Total	µg/L	300	4,100	21,500	24,000	7,160	3,710	6,260	3,920
	Lead, Total	µg/L	25	6	147.4	360.1	85.7	0.84J	45.6	4.04
	Magnesium, Total	µg/L	35000	36,000	29,100	36,200	31,100	39,200	32,600	32,100
	Manganese, Total	µg/L	300	3,000	2,458	3,322	2,939	2,792	2,093	1,856
	Mercury, Total	µg/L	0.7	<1U	3.27	0.81	0.14J	<0.06U	<0.2U	<0.09U
	Nickel, Total	µg/L	100	<50U	30.45	69.1	18.4	9.44	13.13	6.89
	Potassium, Total	µg/L		18,000	13,900	17,500	16,300	20,700	16,100	14,500
	Selenium, Total	µg/L	10	<40U	1.03J	2J	<1U	<1.73U	<5U	<1.73U
	Silver, Total	µg/L	50	<20U	0.66	1.6	0.1J	<0.16U	0.17J	<0.16U
	Sodium, Total	µg/L	20000	220,000J	290,000	315,000	342,000	477,000	369,000	338,000
	Thallium, Total	µg/L	0.5	<10U	0.04J	0.1J	<0.1U	<0.14U	<0.5U	0.19J
	Vanadium, Total	µg/L		<50U	9.55	34.1	4.3J	<1.57U	3.55J	2.07J
	Zinc, Total	µg/L	2000	<50U	298.2	952.9	104.2	4.44J	82.02	9.31J
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	9.6J	10.6	8J	-	6.76J	4.73J
	Antimony, Dissolved (Filtered)	µg/L	3	<12U	0.17J	0.1J	1.2J	-	0.69J	3.54J
	Arsenic, Dissolved (Filtered)	µg/L	25	8.3	1.68	0.8	2.2	-	1.14	2.76
	Barium, Dissolved (Filtered)	µg/L	1000	140	175.8	195.9	200.1	-	182.2	151
	Beryllium, Dissolved (Filtered)	µg/L	3	<4U	<0.5U	<0.5U	<0.2U	-	<0.5U	<0.1U
	Cadmium, Dissolved (Filtered)	µg/L	5	<4U	<0.2U	<0.5U	<0.1U	-	<0.2U	<0.05U
	Calcium, Dissolved (Filtered)	µg/L		180,000	193,000	159,000	198,000	-	183,000	160,000
	Chromium, Dissolved (Filtered)	µg/L	50	<50U	3.34	3.04	2.9	-	0.96J	0.81J
	Cobalt, Dissolved (Filtered)	µg/L		<20U	0.82	1.3	1.3	-	1.56	1.34
	Copper, Dissolved (Filtered)	µg/L	200	<50U	0.64J	0.3J	<0.3U	-	1.48	<0.38U
	Iron, Dissolved (Filtered)	µg/L	300	760	7,470	5,360	1,920	-	25.6J	97.7
	Lead, Dissolved (Filtered)	µg/L	25	<4U	<1U	<1U	0.2J	-	<1U	<0.34U
	Magnesium, Dissolved (Filtered)	µg/L	35000	30,000	27,300	30,800	30,300	-	26,400	38,400
	Manganese, Dissolved (Filtered)	µg/L	300	2,500	2,728	2,886	3,222	-	1,771	1,901
	Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	-	<0.2U	<0.09U
	Nickel, Dissolved (Filtered)	µg/L	100	<50U	7.43	10.17	14.1	-	8.2	6.87
	Potassium, Dissolved (Filtered)	µg/L		15,000	14,200	15,800	16,400	-	15,900	15,200
	Selenium, Dissolved (Filtered)	µg/L	10	<40U	1.29J	<100U	<1U	-	<5U	<1.73U
	Silver, Dissolved (Filtered)	µg/L	50	<20U	<0.4U	<5U	<0.1U	-	<0.4U	<0.16U
	Sodium, Dissolved (Filtered)	µg/L	20000	190,000J	356,000	298,000	382,000	-	430,000	361,000
	Thallium, Dissolved (Filtered)	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	-	<0.5U	0.19J
	Vanadium, Dissolved (Filtered)	µg/L		<50U	0.35J	<5U	<0.6U	-	<5U	<1.57U
	Zinc, Dissolved (Filtered)	µg/L	2000	<50U	2.48J	4.87J	<2.6U	-	7.39J	<3.41U

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Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method_Name	Analyte	Units	TOGS 1.1.1	Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
				Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
VOCs	1,1,1-trichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2,2-tetrachloroethane	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2-trichloroethane	µg/L	1		<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
	1,1-dichloroethane	µg/L	5		<1U	<2.5U	0.81J	<0.7U	<0.7U	<2.5U	<0.7U
	1,1-dichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,2,3-trichlorobenzene	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2,4-trichlorobenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromoethane	µg/L	5		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65J
	1,2-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	0.14J
	1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
	1,3-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dioxane	µg/L			-	<250U	<250U	<41U	<61U	<250U	<61U
	2-butanone	µg/L	50		<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
	2-hexanone	µg/L	50		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	4-methyl-2-pentanone	µg/L			<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Acetone	µg/L	50		<10U	2.7J	<5U	<1.5U	4.8J	<5U	2.1J
	Benzene	µg/L	1		<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Bromochloromethane	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Bromodichloromethane	µg/L	5		<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U
	Bromoform	µg/L	50		<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	Bromomethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Carbon disulfide	µg/L	60		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Carbon tetrachloride	µg/L	5		<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	Chlorobenzene	µg/L	5	1	0.72J	0.81J	0.77J	0.71J	<2.5U	<0.7U	
	Chloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroform	µg/L	7		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloromethane	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,2-dichloroethene	µg/L	5		<1U	2.1J	2.7	1.5J	80	17	5
	cis-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U
	Cyclohexane	µg/L			<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U
	Dibromochloromethane	µg/L	50		<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U
	Dichlorodifluoromethane	µg/L	5		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Ethylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Isopropylbenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methyl acetate	µg/L			-	<2U	-	<0.23U	<0.23U	<2U	<0.23U
	Methyl cyclohexane	µg/L			<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U
	Methyl tert butyl ether	µg/L	10	1.5	4.6	21	5	7	66	22	
	Methylene chloride	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	o-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	p/m-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Styrene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Tetrachloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Toluene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Trichloroethene	µg/L	5		<1UJ	0.17J	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Trichlorofluoromethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Vinyl chloride	µg/L	2		0.4	5.8	24	9.9	92	53	61

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method Name	Analyte	Units	Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019
			Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
Method Name	Analyte	Units	TOGS 1.1.1								
General Chemistry	Alkalinity, Total	µg/L		347,000	400,000	766,000	437,000	398,000	364,000	-	352,000
	Biological Oxygen Demand, Five day	µg/L		10,600	<50,000U	<40,000U	<10,000U	5,400	2,800	-	2,300
	Chemical Oxygen Demand	µg/L		690,000	1,300,000	2,800,000	46,000	20,000	47,000	-	33,000
	Chloride	µg/L	250,000	-	600,000	540,000	560,000	840,000	727,000	-	625,000
	Total Organic Carbon	µg/L		5,400	10,600	7,500	3,500	1,700	4,330	-	3,060
	Total Organic Halogen	ug/l		-	<20U	<20U	27.7	54	44.1	-	28
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.043J	<0.0833U	<0.03U	<0.03U
	Aroclor 1248	µg/L		<0.05U	0.768	1.46	0.286	<0.014U	0.262	<0.038U	0.085
	Aroclor 1254	µg/L		<0.05U	0.416	0.746	0.137	<0.022U	0.142	<0.014U	0.038J
	Aroclor 1260	µg/L		<0.05U	<0.083U	0.119	<0.023U	<0.023U	0.035J	<0.029U	<0.029U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	1.18	2.33	0.423	0.043	0.439	<0.038U	0.123J

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Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
Method_Name	Analyte	Units	TOGS 1.1.1							
Total Metals	Aluminum, Total	µg/L		4,200J	404	1,690	33	193	35.5	375
	Antimony, Total	µg/L	3	<12U	3.12	2.1	0.3J	<0.42U	0.8J	0.51J
	Arsenic, Total	µg/L	25	<8U	36.36	7.8	6.8	6.51	6.25	4.43
	Barium, Total	µg/L	1000	200	192.8	227.1	227.7	298	308.7	371.6
	Beryllium, Total	µg/L	3	<4U	0.1J	0.2J	<0.2U	<0.1U	<0.5U	<0.1U
	Cadmium, Total	µg/L	5	<4U	0.19J	0.1J	<0.1U	0.2	<0.2U	<0.05U
	Calcium, Total	µg/L		320,000	88,100	93,300	73,700	73,300	82,200	96,800
	Chromium, Total	µg/L	50	<50U	10.5	10.4	0.5J	1.01	0.4J	2.05
	Cobalt, Total	µg/L		<20U	1.18	2.6	0.2	0.23J	<0.5U	0.55
	Copper, Total	µg/L	200	<50U	20.21	30.9	<0.3U	2.47	0.6J	4.92
	Iron, Total	µg/L	300	13,000J	58,600	24,100	14,000	14,100	17,300	19,000
	Lead, Total	µg/L	25	120J	73.18	178	1.9	13.48	2.01	22.43
	Magnesium, Total	µg/L	35000	140,000	33,900	35,700	33,800	34,400	41,500	44,300
	Manganese, Total	µg/L	300	900	374.7	699.3	804.9	708.6	901.2	1,009
	Mercury, Total	µg/L	0.7	<1U	0.38	0.46	0.09J	0.06J	<0.2U	<0.09U
	Nickel, Total	µg/L	100	<50U	3.41	5.5	1.3J	1.75J	<2U	0.69J
	Potassium, Total	µg/L		55,000	14,400	16,000	14,300	16,500	16,800	19,600
	Selenium, Total	µg/L	10	<40U	0.53J	<5U	<1U	<1.73U	<5U	<1.73U
	Silver, Total	µg/L	50	<20U	<0.4U	0.1J	<0.1U	<0.16U	<0.4U	<0.16U
	Sodium, Total	µg/L	20000	770,000J	142,000	221,000	200,000	273,000	178,000	253,000
	Thallium, Total	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U
	Vanadium, Total	µg/L		<50U	6.59	8.1	<0.6U	<1.57U	<5U	1.94J
	Zinc, Total	µg/L	2000	120	68.19	80.8	<2.6U	5.88J	<10U	7.43J
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-	4.54J	<3.27U
	Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	-	-	<4U	1.13J
	Arsenic, Dissolved (Filtered)	µg/L	25	<8U	-	-	-	-	0.83	0.68
	Barium, Dissolved (Filtered)	µg/L	1000	160	-	-	-	-	231.6	275.2
	Beryllium, Dissolved (Filtered)	µg/L	3	<4U	-	-	-	-	<0.5U	<0.1U
	Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	-	-	<0.2U	<0.05U
	Calcium, Dissolved (Filtered)	µg/L		320,000	-	-	-	-	88,800	89,600
	Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	-	-	0.18J	<0.17U
	Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-	0.18J	0.17J
	Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	-	-	0.82J	<0.38U
	Iron, Dissolved (Filtered)	µg/L	300	870	-	-	-	-	35.1J	1,840
	Lead, Dissolved (Filtered)	µg/L	25	<4U	-	-	-	-	<1U	<0.34U
	Magnesium, Dissolved (Filtered)	µg/L	35000	140,000	-	-	-	-	34,400	45,600
	Manganese, Dissolved (Filtered)	µg/L	300	830	-	-	-	-	915.9	911.9
	Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	-	-	<0.2U	<0.09U
	Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	-	-	0.87J	0.75J
	Potassium, Dissolved (Filtered)	µg/L		55,000	-	-	-	-	17,400	18,000
	Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	-	-	<5U	<1.73U
	Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	-	-	<0.4U	<0.16U
	Sodium, Dissolved (Filtered)	µg/L	20000	760,000J	-	-	-	-	213,000	230,000
	Thallium, Dissolved (Filtered)	µg/L	0.5	<10U	-	-	-	-	<0.5U	<0.14U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-	<5U	<1.57U
	Zinc, Dissolved (Filtered)	µg/L	2000	<50U	-	-	-	-	<10U	<3.41U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State
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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
Method_Name	Analyte	Units	TOGS 1.1.1							
VOCs	1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
	1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U
	2-butanone	µg/L	50	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
	2-hexanone	µg/L	50	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Acetone	µg/L	50	<10U	2.3J	<5U	<1.5U	<1.5U	<5U	4.4J
	Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U
	Bromoform	µg/L	50	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Carbon disulfide	µg/L	60	<1U	<5U	2.2J	<1U	<1U	<5U	<1U
	Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	Chlorobenzene	µg/L	5	1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U
	Dibromochloromethane	µg/L	50	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U
	Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Isopropylbenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U
	Methyl tert butyl ether	µg/L	10	1.6	1.6J	1.1J	<0.7U	0.77J	<2.5U	7
	Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Trichloroethene	µg/L	5	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Vinyl chloride	µg/L	2	4.7	<1U	3.4	2.5	0.98J	0.87J	<0.07U

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method Name	Analyte	Units	Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019
			Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
Method Name	Analyte	Units	TOGS 1.1.1								
General Chemistry	Alkalinity, Total	µg/L		308,000	312,000	317,000	271,000	281,000	298,000	-	295,000
	Biological Oxygen Demand, Five day	µg/L		<6,000U	<10,000U	<5,000U	<2,000U	<2,000U	<2,000U	-	<2,000U
	Chemical Oxygen Demand	µg/L		32,900	74,000	55,000	22,000	18,000	6,000J	-	21,000
	Chloride	µg/L	250,000	-	270,000	340,000	340,000	430,000	376,000	-	472,000
	Total Organic Carbon	µg/L		2,800	11,200	3,200	2,600	2,300	3,120	-	11,600
	Total Organic Halogen	ug/l		-	26.9	20.9	14.1J	41.1	19.9J	-	30
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U	<0.03U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.038U	<0.038U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	0.034J	<0.022U	<0.0833U	<0.014U	<0.014U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.029U	<0.029U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	0.034J	<0.014	<0.0833U	<0.038U	<0.083U

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Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
Method Name	Analyte	Units	TOGS 1.1.1							
Total Metals	Aluminum, Total	µg/L		250	103	87	616	148	5,000	44.9
	Antimony, Total	µg/L	3	<12U	2.91	1.2J	1J	1.2J	3.39J	<0.42U
	Arsenic, Total	µg/L	25	<8U	9.74	5.9	7.8	3.56	55.78	7.12
	Barium, Total	µg/L	1000	660	92.03	80.4	80.8	112.5	290.4	163.5
	Beryllium, Total	µg/L	3	<4U	<0.5U	<0.5U	<0.2U	<0.1U	0.43J	<0.1U
	Cadmium, Total	µg/L	5	<4U	0.05J	0.1J	0.3	0.5	2.74	0.44
	Calcium, Total	µg/L		520,000J	272,000	294,000	207,000	220,000	291,000	229,000
	Chromium, Total	µg/L	50	<50U	0.77J	2.8	2.2	0.81J	16.9	0.87J
	Cobalt, Total	µg/L		<20U	0.36	0.49J	1.6	0.69	13.26	0.6
	Copper, Total	µg/L	200	<50U	1.12J	2.2	9.9	2.13	111.6	0.67J
	Iron, Total	µg/L	300	650	186	219	1,290	336	16,400	541
	Lead, Total	µg/L	25	9	3.12	3.5	25	5.51	288.8	2.24
	Magnesium, Total	µg/L	35000	8,400J	6,600	12,300	16,200	30,700	36,900	30,800
	Manganese, Total	µg/L	300	100	5.31	13	35.3	302.2	752.8	546.9
	Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	<0.06U	0.4	<0.09U
	Nickel, Total	µg/L	100	<50U	3.56	5.5	7.6	5.08	35.7	5.44
	Potassium, Total	µg/L		64,000	70,700	77,800	74,200	53,200	52,000	52,400
	Selenium, Total	µg/L	10	<40U	0.55J	<5U	<1U	<1.73U	1.97J	<1.73U
	Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U	0.25J	<0.16U
	Sodium, Total	µg/L	20000	250,000J	303,000	339,000	387,000	331,000	382,000	486,000
	Thallium, Total	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	<0.14U	0.16J	<0.14U
	Vanadium, Total	µg/L		<50U	0.92J	1.3J	3.3J	1.69J	21.8	1.67J
	Zinc, Total	µg/L	2000	<50U	13.78	31.8	60.7	30.16	760.7	9.33J
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-	9.43J	<3.27U
	Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	-	-	1.23J	0.72J
	Arsenic, Dissolved (Filtered)	µg/L	25	<8U	-	-	-	-	23.96	9.13
	Barium, Dissolved (Filtered)	µg/L	1000	620	-	-	-	-	171.1	150
	Beryllium, Dissolved (Filtered)	µg/L	3	<4U	-	-	-	-	<0.5U	<0.1U
	Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	-	-	<0.2U	<0.05U
	Calcium, Dissolved (Filtered)	µg/L		440,000J	-	-	-	-	243,000	204,000
	Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	-	-	0.35J	0.29J
	Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-	0.61	0.6
	Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	-	-	<1U	<0.38U
	Iron, Dissolved (Filtered)	µg/L	300	<280U	-	-	-	-	49.1J	89.4
	Lead, Dissolved (Filtered)	µg/L	25	<4U	-	-	-	-	0.91J	<0.34U
	Magnesium, Dissolved (Filtered)	µg/L	35000	<2,000UJ	-	-	-	-	27,200	31,200
	Manganese, Dissolved (Filtered)	µg/L	300	<40U	-	-	-	-	433.7	490.6
	Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	-	-	<0.2U	<0.09U
	Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	-	-	3.39	4.29
	Potassium, Dissolved (Filtered)	µg/L		65,000	-	-	-	-	40,300	46,900
	Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	-	-	<5U	<1.73U
	Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	-	-	<0.4U	<0.16U
	Sodium, Dissolved (Filtered)	µg/L	20000	250,000J	-	-	-	-	457,000	436,000
	Thallium, Dissolved (Filtered)	µg/L	0.5	<10U	-	-	-	-	<0.5U	<0.14U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-	<5U	<1.57U
	Zinc, Dissolved (Filtered)	µg/L	2000	<50U	-	-	-	-	3.52J	<3.41U

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202-218 Morgan Avenue BCP Site
Site #C224133

Method_Name	Analyte	Units	TOGS 1.1.1	Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
				Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
VOCs	1,1,1-trichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2,2-tetrachloroethane	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2-trichloroethane	µg/L	1		<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
	1,1-dichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1-dichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,2,3-trichlorobenzene	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2,4-trichlorobenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromoethane	µg/L	5		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	1,2-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
	1,3-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dioxane	µg/L			-	<250U	<250U	<41U	<61U	<250U	<61U
	2-butanone	µg/L	50		<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
	2-hexanone	µg/L	50		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	4-methyl-2-pentanone	µg/L			<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Acetone	µg/L	50	4	5	<5U	2.3J	5.9	<5U	1.7J	
	Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	
	Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	
	Bromoform	µg/L	50	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	
	Bromomethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	
	Carbon disulfide	µg/L	60	<1U	<5U	<5U	<1U	<1U	<5U	4J	
	Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	
	Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	
	Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	
	Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	
	cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	
	cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	
	Dibromochloromethane	µg/L	50	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	
	Dichlorodifluoromethane	µg/L	5	<1UJ	<5U	<5U	<1U	<1U	<5U	<1U	
	Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	
	Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	
	Methyl tert butyl ether	µg/L	10	4	13	11	32	37	39	30	
	Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	
	o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	
	p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	
	Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	
	Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	
	Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	
	trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	
	trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	
	Trichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	
	Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	
	Vinyl chloride	µg/L	2	<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U	

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019
			Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
Method Name	Analyte	Units	TOGS 1.1.1								
General Chemistry	Alkalinity, Total	µg/L		446,000	186,000	83,400	96,800	484,000	586,000	-	625,000
	Biological Oxygen Demand, Five day	µg/L		11,700	<5,000U	<5,000U	4,300	<5,000U	<5,000U	-	9,200
	Chemical Oxygen Demand	µg/L		1,170,000	150,000	110,000	99,000	82,000	100,000	-	73,000
	Chloride	µg/L	250,000	-	460,000	560,000	620,000	640,000	879,000	-	840,000
	Total Organic Carbon	µg/L		26,900	52,100	25,000	25,000	17,000	17,000	-	15,100
	Total Organic Halogen	ug/l		-	47.4	50.5	36.9	42	19.6J	-	27
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.045J	<0.0833U	0.084	<0.03U
	Aroclor 1248	µg/L		<0.05U	0.11	<0.083U	<0.014U	<0.014U	0.158	<0.038U	<0.038U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	0.114	0.064J	<0.014U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.044J	<0.029U	<0.029U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	0.11	<0.083U	<0.012U	0.045	0.316	0.148J	<0.083U

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Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method_Name	Analyte	Units	TOGS 1.1.1	Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
				Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
Total Metals	Aluminum, Total	µg/L			<180U	2,380	589	242	8.24J	95.5	1,960
	Antimony, Total	µg/L	3		<12U	3.01	0.9J	1.5J	3.31J	3.89J	3.97J
	Arsenic, Total	µg/L	25		25	11.91	3	3.7	7.57	4.06	21.22
	Barium, Total	µg/L	1000		56	126.4	125.7	129.2	68.44	80.6	183.8
	Beryllium, Total	µg/L	3		<4U	0.12J	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U
	Cadmium, Total	µg/L	5		<4U	1.56	0.5	0.2J	<0.05U	0.16J	3.94
	Calcium, Total	µg/L			210,000J	243,000	228,000	224,000	197,000	259,000	268,000
	Chromium, Total	µg/L	50		<50U	8.36	3.6	1.7J	4.89	0.79J	9.91
	Cobalt, Total	µg/L			<20U	3.84	2.4	1	1.08	0.96	7.43
	Copper, Total	µg/L	200		<50U	49.9	13.2	<0.3U	0.51J	3.69	78.3
	Iron, Total	µg/L	300		4,000	16,400	4,070	5,740	3,010	3,300	6,570
	Lead, Total	µg/L	25		6	244.8	90.4	46	<1.71U	15.02	409.6
	Magnesium, Total	µg/L	35000		120,000J	147,000	156,000	306,000	174,000	170,000	214,000
	Manganese, Total	µg/L	300		950	1,020	1,060	768.1	449.9	531	508.6
	Mercury, Total	µg/L	0.7		<1U	6.02	0.93	0.29	<0.06U	<0.2U	3.18
	Nickel, Total	µg/L	100		<50U	26.93	14	6.8	11.62	8.52	46.22
	Potassium, Total	µg/L			73,000	75,300	72,500	115,000	84,000	91,400	106,000
	Selenium, Total	µg/L	10		<40U	0.77J	<5U	<1U	<1.73U	<5U	<1.73U
	Silver, Total	µg/L	50		<20U	0.17J	<0.4U	<0.1U	<0.16U	<0.4U	0.3J
	Sodium, Total	µg/L	20000		740,000J	1,140,000	1,030,000	3,020,000	1,800,000	1,470,000	2,210,000
	Thallium, Total	µg/L	0.5		<10U	0.06J	<0.5U	0.1J	<0.71U	<0.5U	0.16J
	Vanadium, Total	µg/L			<50U	12.03	4.2J	2J	<1.57U	<5U	15.84
	Zinc, Total	µg/L	2000		<50U	736.6	223.7	29.6	15.6	36.68	543.9
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L			<180U	-	-	-	-	3.75J	3.29J
	Antimony, Dissolved (Filtered)	µg/L	3		<12U	-	-	-	-	1.75J	3.54J
	Arsenic, Dissolved (Filtered)	µg/L	25		10	-	-	-	-	0.98	1.58
	Barium, Dissolved (Filtered)	µg/L	1000		54	-	-	-	-	82.71	97.95
	Beryllium, Dissolved (Filtered)	µg/L	3		<4U	-	-	-	-	<0.5U	<0.1U
	Cadmium, Dissolved (Filtered)	µg/L	5		<4U	-	-	-	-	<0.2U	0.08J
	Calcium, Dissolved (Filtered)	µg/L			220,000J	-	-	-	-	249,000	194,000
	Chromium, Dissolved (Filtered)	µg/L	50		<50U	-	-	-	-	<1U	<0.17U
	Cobalt, Dissolved (Filtered)	µg/L			<20U	-	-	-	-	0.73	1.55
	Copper, Dissolved (Filtered)	µg/L	200		<50U	-	-	-	-	0.9J	0.71J
	Iron, Dissolved (Filtered)	µg/L	300		370	-	-	-	-	35J	168
	Lead, Dissolved (Filtered)	µg/L	25		4	-	-	-	-	<1U	2.71
	Magnesium, Dissolved (Filtered)	µg/L	35000		120,000J	-	-	-	-	160,000	216,000
	Manganese, Dissolved (Filtered)	µg/L	300		970	-	-	-	-	511.1	415.8
	Mercury, Dissolved (Filtered)	µg/L	0.7		<1U	-	-	-	-	<0.2U	<0.09U
	Nickel, Dissolved (Filtered)	µg/L	100		<50U	-	-	-	-	5.02	10.96
	Potassium, Dissolved (Filtered)	µg/L			77,000	-	-	-	-	89,000	79,800
	Selenium, Dissolved (Filtered)	µg/L	10		<40U	-	-	-	-	<5U	<1.73U
	Silver, Dissolved (Filtered)	µg/L	50		<20U	-	-	-	-	<0.4U	<0.16U
	Sodium, Dissolved (Filtered)	µg/L	20000		760,000J	-	-	-	-	1,540,000	1,980,000
	Thallium, Dissolved (Filtered)	µg/L	0.5		<10U	-	-	-	-	<0.5U	0.18J
	Vanadium, Dissolved (Filtered)	µg/L			<50U	-	-	-	-	<5U	<1.57U
	Zinc, Dissolved (Filtered)	µg/L	2000		<50U	-	-	-	-	7.43J	54.04

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Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method_Name	Analyte	Units	TOGS 1.1.1	Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
				Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
VOCs	1,1,1-trichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2,2-tetrachloroethane	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2-trichloroethane	µg/L	1		<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
	1,1-dichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1-dichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,2,3-trichlorobenzene	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2,4-trichlorobenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromoethane	µg/L	5		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	1,2-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
	1,3-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dioxane	µg/L			-	<250U	<250U	<41U	<61U	<250U	<61U
	2-butanone	µg/L	50		<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
	2-hexanone	µg/L	50		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	4-methyl-2-pentanone	µg/L			<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Acetone	µg/L	50		<10U	2.2J	<5U	<1.5U	<1.5U	2.2J	<1.5U
	Benzene	µg/L	1		<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Bromochloromethane	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Bromodichloromethane	µg/L	5		<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U
	Bromoform	µg/L	50		<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	Bromomethane	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Carbon disulfide	µg/L	60		<1U	<5U	3.5J	<1U	<1U	<5U	<1U
	Carbon tetrachloride	µg/L	5		<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	Chlorobenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroform	µg/L	7		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloromethane	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U
	Cyclohexane	µg/L			<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U
	Dibromochloromethane	µg/L	50		<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U
	Dichlorodifluoromethane	µg/L	5		<1UJ	<5U	<5U	<1U	<1U	<5U	<1U
	Ethylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Isopropylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methyl acetate	µg/L			-	<2U	-	<0.23U	<0.23U	<2U	<0.23U
	Methyl cyclohexane	µg/L			<1U	<20U	-	<0.4U	<0.4U	<10U	<0.4U
	Methyl tert butyl ether	µg/L	10		16	9.3	10	5.8	7.9	12	<0.7U
	Methylene chloride	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	o-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	p/m-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Styrene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Tetrachloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Toluene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Trichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Trichlorofluoromethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Vinyl chloride	µg/L	2		<1U	<1U	<1U	<0.07U	<0.07U	<1U	0.63J

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019
			Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
Method Name	Analyte	Units	TOGS 1.1.1								
General Chemistry	Alkalinity, Total	µg/L		637,000	387,000	455,000	370,000	377,000	421,000	-	376,000
	Biological Oxygen Demand, Five day	µg/L		21,000	13,000	7,400	<40,000U	<2,000U	<5,000U	-	11,000
	Chemical Oxygen Demand	µg/L		324,000	220,000	260,000	150,000	73,000	51,000	-	280,000
	Chloride	µg/L	250,000	-	1,400,000	1,900,000	4,600,000	3,100,000	3,400,000	-	3,940,000
	Total Organic Carbon	µg/L		18,800	23,200	13,000	6,200	9,000	13,900	-	2,060
	Total Organic Halogen	ug/l		-	66.5	41.4	72.2	81.1	80.3	-	52.4
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U	0.12
	Aroclor 1248	µg/L		<0.05U	0.195	0.216	<0.014U	<0.014U	<0.0833U	<0.038U	<0.038U
	Aroclor 1254	µg/L		<0.05U	0.17	0.153	<0.022U	<0.022U	<0.0833U	<0.014U	0.091
	Aroclor 1260	µg/L		<0.05U	0.084	0.103	<0.023U	<0.023U	<0.0833U	<0.029U	0.096
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	0.449	0.472	<0.012U	<0.014	<0.0833U	<0.038U	0.307

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202-218 Morgan Avenue BCP Site
Site #C224133

Method Name	Analyte	Units	TOGS 1.1.1	Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
				Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
Total Metals	Aluminum, Total	µg/L			<180U	137	330	191	449	1,230	488
	Antimony, Total	µg/L	3		<12U	3.09	1.4J	1.1J	1.95J	4.92	1.89J
	Arsenic, Total	µg/L	25		14	7.55	3.2	4.5	14.06	10.44	4.96
	Barium, Total	µg/L	1000		140	104.8	156	166.5	145.5	217.1	174
	Beryllium, Total	µg/L	3		<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U
	Cadmium, Total	µg/L	5		<4U	0.93	0.2	0.8	1.45	0.59	0.21
	Calcium, Total	µg/L			360,000J	292,000	285,000	280,000	286,000	340,000	287,000
	Chromium, Total	µg/L	50		<50U	3.97	2.1	1.2J	3.44	3.75	2.38
	Cobalt, Total	µg/L			<20U	4.53	1.3	1.4	2.15	2.92	1.27
	Copper, Total	µg/L	200		<50U	3.64	4.9	7.1	11.45	28.28	8.84
	Iron, Total	µg/L	300		650	5,820	1,270	1,870	5,550	6,000	2,260
	Lead, Total	µg/L	25		10	9.28	17.4	15.1	25.67	92.14	38.15
	Magnesium, Total	µg/L	35000		47,000J	46,300	52,500	57,400	40,000	49,000	40,200
	Manganese, Total	µg/L	300		640	1,526	757.3	952.6	1,118	1,165	729.6
	Mercury, Total	µg/L	0.7		<1U	<0.2U	<0.2U	<0.06U	<0.06U	<0.2U	<0.09U
	Nickel, Total	µg/L	100		<50U	22.81	8	9.4	11.82	11.23	5.71
	Potassium, Total	µg/L			66,000	61,100	54,200	60,800	49,900	61,000	63,300
	Selenium, Total	µg/L	10		<40U	0.51J	<5U	<1U	<1.73U	<5U	<1.73U
	Silver, Total	µg/L	50		<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	<0.16U
	Sodium, Total	µg/L	20000		410,000J	385,000	393,000	470,000	408,000	490,000	593,000
	Thallium, Total	µg/L	0.5		<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U
	Vanadium, Total	µg/L			<50U	2.66J	3.1J	2J	4.95J	6.45	3.53J
	Zinc, Total	µg/L	2000		<50U	819.6	121.7	98.3	177	157.5	40.84
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L			<180U	-	-	-	-	9.72J	<6.54U
	Antimony, Dissolved (Filtered)	µg/L	3		<12U	-	-	-	-	3.82J	3.64J
	Arsenic, Dissolved (Filtered)	µg/L	25		10	-	-	-	-	5.05	5.97
	Barium, Dissolved (Filtered)	µg/L	1000		130	-	-	-	-	159.1	114.8
	Beryllium, Dissolved (Filtered)	µg/L	3		<4U	-	-	-	-	<0.5U	<0.21U
	Cadmium, Dissolved (Filtered)	µg/L	5		<4U	-	-	-	-	<0.2U	<0.11U
	Calcium, Dissolved (Filtered)	µg/L			340,000J	-	-	-	-	363,000	262,000
	Chromium, Dissolved (Filtered)	µg/L	50		<50U	-	-	-	-	0.43J	<0.35U
	Cobalt, Dissolved (Filtered)	µg/L			<20U	-	-	-	-	1.25	1.22
	Copper, Dissolved (Filtered)	µg/L	200		<50U	-	-	-	-	1.98	<0.76U
	Iron, Dissolved (Filtered)	µg/L	300		370	-	-	-	-	79.9	138
	Lead, Dissolved (Filtered)	µg/L	25		5	-	-	-	-	0.76J	<0.68U
	Magnesium, Dissolved (Filtered)	µg/L	35000		46,000J	-	-	-	-	43,000	39,600
	Manganese, Dissolved (Filtered)	µg/L	300		630	-	-	-	-	1,155	868.6
	Mercury, Dissolved (Filtered)	µg/L	0.7		<1U	-	-	-	-	<0.2U	<0.09U
	Nickel, Dissolved (Filtered)	µg/L	100		<50U	-	-	-	-	6.44	6.6
	Potassium, Dissolved (Filtered)	µg/L			65,000	-	-	-	-	49,400	53,800
	Selenium, Dissolved (Filtered)	µg/L	10		<40U	-	-	-	-	<5U	<3.46U
	Silver, Dissolved (Filtered)	µg/L	50		<20U	-	-	-	-	<0.4U	<0.32U
	Sodium, Dissolved (Filtered)	µg/L	20000		400,000J	-	-	-	-	617,000	504,000
	Thallium, Dissolved (Filtered)	µg/L	0.5		<10U	-	-	-	-	0.23J	<0.28U
	Vanadium, Dissolved (Filtered)	µg/L			<50U	-	-	-	-	<5U	<3.14U
	Zinc, Dissolved (Filtered)	µg/L	2000		<50U	-	-	-	-	13.14	15.95J

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method_Name	Analyte	Units	TOGS 1.1.1	Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
				Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
VOCs	1,1,1-trichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2,2-tetrachloroethane	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2-trichloroethane	µg/L	1		<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
	1,1-dichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1-dichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,2,3-trichlorobenzene	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2,4-trichlorobenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromoethane	µg/L	5		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	1,2-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
	1,3-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dioxane	µg/L			-	<250U	<250U	<41U	<61U	<250U	<61U
	2-butanone	µg/L	50		<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
	2-hexanone	µg/L	50		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	4-methyl-2-pentanone	µg/L			<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Acetone	µg/L	50	12		3.7J	<5U	2J	9.8	4.5J	3.5J
	Benzene	µg/L	1	1.1		<0.5U	0.34J	<0.16U	<0.16U	<0.5U	<0.16U
	Bromochloromethane	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Bromodichloromethane	µg/L	5		<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U
	Bromoform	µg/L	50		<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	Bromomethane	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Carbon disulfide	µg/L	60		<1U	<5U	<5U	<1U	<1U	<5U	6.7
	Carbon tetrachloride	µg/L	5		<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	Chlorobenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroform	µg/L	7		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloromethane	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U
	Cyclohexane	µg/L			<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U
	Dibromochloromethane	µg/L	50		<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U
	Dichlorodifluoromethane	µg/L	5		<1UJ	<5U	<5U	<1U	<1U	<5U	<1U
	Ethylbenzene	µg/L	5	1		<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Isopropylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methyl acetate	µg/L			-	<2U	-	<0.23U	<0.23U	<2U	<0.23U
	Methyl cyclohexane	µg/L			<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U
	Methyl tert butyl ether	µg/L	10	16	14	17	14	5	22	17	
	Methylene chloride	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	o-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	p/m-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Styrene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Tetrachloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Toluene	µg/L	5	4.4		<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Trichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Trichlorofluoromethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Vinyl chloride	µg/L	2		<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U

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				Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019
				Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
Method Name	Analyte	Units	TOGS 1.1.1									
General Chemistry	Alkalinity, Total	µg/L		530,000	560,000	807,000	718,000	492,000	569,000	-	534,000	
	Biological Oxygen Demand, Five day	µg/L		12,300	26,000	48,000	29,000	15,000	<10,000U	-	11,000	
	Chemical Oxygen Demand	µg/L		994,000	320,000	180,000	580,000	71,000	95,000	-	73,000	
	Chloride	µg/L	250,000	-	620,000	660,000	780,000	980,000	1,170,000	-	1,080,000	
	Total Organic Carbon	µg/L		24,000	35,100	21,000	22,000	16,000	15,800	-	15,600	
	Total Organic Halogen	ug/l		-	47.4	35.7	30.5	50.8	50.7	-	32.6	
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	
	Aroclor 1242	µg/L		<0.05U	0.279	<0.083U	<0.014U	0.026J	<0.0833U	<0.03U	0.103	
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	0.075J	<0.038U	<0.038U	
	Aroclor 1254	µg/L		<0.05U	0.187	<0.083U	0.022J	<0.022U	0.058J	<0.014U	0.044J	
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.036J	<0.029U	<0.029U	
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	
	PCBs, Total	µg/L	0.09	<0.05U	0.466	<0.083U	0.022J	0.026	0.169J	<0.038U	0.147J	

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

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Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
Method Name	Analyte	Units	TOGS 1.1.1							
Total Metals	Aluminum, Total	µg/L		<180U	2.89J	40	50	15.5	56.2	14,400
	Antimony, Total	µg/L	3	<12U	0.52J	0.2J	0.3J	<0.42U	<4U	0.88J
	Arsenic, Total	µg/L	25	<8U	1.4	2.8	2.3	1.47	1.78	71.3
	Barium, Total	µg/L	1000	150	85.68	120.7	97.9	67.41	83.01	906.4
	Beryllium, Total	µg/L	3	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	2.04
	Cadmium, Total	µg/L	5	<4U	<0.2U	<0.2U	<0.1U	<0.05U	<0.2U	4.01
	Calcium, Total	µg/L		110,000	109,000	122,000	91,600	85,000	94,400	123,000
	Chromium, Total	µg/L	50	<50U	0.99J	7.7	7.3	4.01	12.18	4,741
	Cobalt, Total	µg/L		<20U	1.15	1.5	1.3	1.82	2.65	47.81
	Copper, Total	µg/L	200	<50U	1.13J	1.9J	<0.3U	<0.38U	0.42J	193.4
	Iron, Total	µg/L	300	6,400	3,170	5,040	4,630	3,750	5,330	384,000
	Lead, Total	µg/L	25	<4U	<1U	1.1	0.7J	0.39J	0.71J	620
	Magnesium, Total	µg/L	35000	7,300	7,040	10,300	8,580	9,690	15,700	22,500
	Manganese, Total	µg/L	300	830	823.6	913.5	801.4	1,074	1,957	5,535
	Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	0.11J	<0.06U	<0.2U	1.33
	Nickel, Total	µg/L	100	100	121.9	160	173.4	143.7	187.2	4,745
	Potassium, Total	µg/L		13,000	9,020	12,200	11,400	8,360	8,530	11,900
	Selenium, Total	µg/L	10	<40U	<5U	<5U	<1U	<1.73U	<5U	13.2
	Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	0.52
	Sodium, Total	µg/L	20000	330,000J	153,000	186,000	138,000	81,800	58,200	74,400
	Thallium, Total	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	0.42J
	Vanadium, Total	µg/L		<50U	<5U	<5U	<0.6U	<1.57U	<5U	63.64
	Zinc, Total	µg/L	2000	<50U	9.03J	42.6	<2.6U	<3.41U	3.89J	507.5
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	68.3	-	4J	<3.27U	4.06J	4.34J
	Antimony, Dissolved (Filtered)	µg/L	3	<12U	0.75J	-	0.4J	<0.42U	<4U	0.87J
	Arsenic, Dissolved (Filtered)	µg/L	25	<8U	5.08	-	1.2	0.69	0.6	0.53
	Barium, Dissolved (Filtered)	µg/L	1000	150	119.3	-	80.8	64.71	76.08	86.61
	Beryllium, Dissolved (Filtered)	µg/L	3	<4U	<0.5U	-	<0.2U	<0.1U	<0.5U	<0.1U
	Cadmium, Dissolved (Filtered)	µg/L	5	<4U	0.05J	-	<0.1U	<0.05U	<0.2U	<0.05U
	Calcium, Dissolved (Filtered)	µg/L		130,000	118,000	-	126,000	87,900	97,300	92,400
	Chromium, Dissolved (Filtered)	µg/L	50	<50U	23.34	-	3	0.69J	0.69J	1.12
	Cobalt, Dissolved (Filtered)	µg/L		<20U	1.28	-	1.6	1.85	2.6	2.45
	Copper, Dissolved (Filtered)	µg/L	200	<50U	1.31	-	<0.3U	<0.38U	0.77J	<0.38U
	Iron, Dissolved (Filtered)	µg/L	300	980	13,400	-	652	172	22.8J	81.4
	Lead, Dissolved (Filtered)	µg/L	25	<4U	2.24	-	<0.1U	<0.34U	<1U	<0.34U
	Magnesium, Dissolved (Filtered)	µg/L	35000	8,500	8,240	-	7,540	9,920	15,900	16,800
	Manganese, Dissolved (Filtered)	µg/L	300	950	853.8	-	1,038	1,130	1,688	2,298
	Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	<0.2U	-	<0.06U	<0.06U	<0.2U	<0.09U
	Nickel, Dissolved (Filtered)	µg/L	100	110	135.9	-	158	142.7	169.5	196.3
	Potassium, Dissolved (Filtered)	µg/L		15,000	10,400	-	10,200	9,080	8,570	8,650
	Selenium, Dissolved (Filtered)	µg/L	10	<40U	0.59J	-	<1U	<1.73U	<5U	<1.73U
	Silver, Dissolved (Filtered)	µg/L	50	<20U	0.13J	-	<0.1U	<0.16U	<0.4U	<0.16U
	Sodium, Dissolved (Filtered)	µg/L	20000	380,000J	175,000	-	185,000	84,800	63,400	63,000
	Thallium, Dissolved (Filtered)	µg/L	0.5	<10U	<0.5U	-	<0.1U	<0.14U	<0.5U	<0.14U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	0.54J	-	<0.6U	<1.57U	<5U	<1.57U
	Zinc, Dissolved (Filtered)	µg/L	2000	<50U	6.31J	-	<2.6U	<3.41U	<10U	<3.41U

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method_Name	Analyte	Units	TOGS 1.1.1	Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
				Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
VOCs	1,1,1-trichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2,2-tetrachloroethane	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2-trichloroethane	µg/L	1		<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
	1,1-dichloroethane	µg/L	5		<1U	0.75J	1.1J	<0.7U	<0.7U	<2.5U	<0.7U
	1,1-dichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	0.22J	0.24J	<0.17U
	1,2,3-trichlorobenzene	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2,4-trichlorobenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromoethane	µg/L	5		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	1,2-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
	1,3-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dioxane	µg/L			-	<250U	<250U	<41U	<61U	<250U	<61U
	2-butanone	µg/L	50		<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
	2-hexanone	µg/L	50		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	4-methyl-2-pentanone	µg/L			<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Acetone	µg/L	50		<10U	1.6J	<5U	<1.5U	<1.5U	<5U	2.3J
	Benzene	µg/L	1		0.2	2.3	4	0.66	0.54	0.36J	<0.16U
	Bromochloromethane	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Bromodichloromethane	µg/L	5		<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U
	Bromoform	µg/L	50		<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	Bromomethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Carbon disulfide	µg/L	60		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Carbon tetrachloride	µg/L	5		<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	Chlorobenzene	µg/L	5		1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroform	µg/L	7		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloromethane	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,2-dichloroethene	µg/L	5		1.2	16	6.1	17	52	76	42
	cis-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U
	Cyclohexane	µg/L			<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U
	Dibromochloromethane	µg/L	50		<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U
	Dichlorodifluoromethane	µg/L	5		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Ethylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Isopropylbenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methyl acetate	µg/L			-	<2U	-	<0.23U	<0.23U	<2U	<0.23U
	Methyl cyclohexane	µg/L			<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U
	Methyl tert butyl ether	µg/L	10		<0.5U	<2.5U	<2.5U	<0.7U	<0.7U	24	3.4
	Methylene chloride	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	o-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	p/m-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Styrene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Tetrachloroethene	µg/L	5		<1U	2.2	0.52	1.8	11	5.2	0.86
	Toluene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,2-dichloroethene	µg/L	5		<1U	<2.5U	0.78J	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Trichloroethene	µg/L	5		1.4J	9.1	2.2	4.8	20	14	3.2
	Trichlorofluoromethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Vinyl chloride	µg/L	2		2.7	5.5	5.6	12	8	5.6	3.6

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202-218 Morgan Avenue BCP Site
Site #C224133

Method Name	Analyte	Units	Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			TOGS 1.1.1							
General Chemistry	Alkalinity, Total	µg/L		291,000	330,000	323,000	319,000	265,000	238,000	259,000
	Biological Oxygen Demand, Five day	µg/L		10,300	14,000	3,300	<2,000U	<2,000U	<2,000U	13,000
	Chemical Oxygen Demand	µg/L		199,000	35,000	19,000J	37,000	4,100J	<10,000U	280,000
	Chloride	µg/L	250,000	-	250,000	240,000	170,000	91,000	108,000	120,000
	Total Organic Carbon	µg/L		5,200	6,440	3,900	4,000	2,700	3,940	2,770
	Total Organic Halogen	ug/l		-	50.4	27.9	26.3	63.6	74.8	61.9
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.038U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	<0.0833U	<0.014U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.029U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	<0.012U	<0.014	<0.0833U	<0.083U

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Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
Method Name	Analyte	Units	TOGS 1.1.1							
Total Metals	Aluminum, Total	µg/L		220	230	39	2,310	9.3J	15.1	1,090
	Antimony, Total	µg/L	3	<12U	0.5J	0.7J	0.4J	<0.42U	<4U	<0.42U
	Arsenic, Total	µg/L	25	<8U	0.39J	0.7	0.8	0.33J	<0.5U	3.26
	Barium, Total	µg/L	1000	270	376.1	464.6	707.2	1,023	803.5	815.1
	Beryllium, Total	µg/L	3	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U
	Cadmium, Total	µg/L	5	<4U	0.65	<0.2U	1.1	0.27	0.28	4.72
	Calcium, Total	µg/L		150,000	221,000	280,000	302,000	466,000	445,000	280,000
	Chromium, Total	µg/L	50	<50U	1.29	2.4	7	1.26	<1U	5.17
	Cobalt, Total	µg/L		<20U	0.21	0.2J	1.5	0.17J	<0.5U	1.21
	Copper, Total	µg/L	200	<50U	1.36J	1.9J	<0.3U	0.5J	<1U	10.64
	Iron, Total	µg/L	300	13,000	25,800	29,700	54,300	36,600	17,500	117,000
	Lead, Total	µg/L	25	7.8	2.72	0.9J	11.7	<1.71U	<1U	15.6
	Magnesium, Total	µg/L	35000	7,700	10,000	17,400	17,300	23,300	27,700	19,100
	Manganese, Total	µg/L	300	780	1,180	1,368	1,654	1,559	901.3	577.7
	Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	<0.06U	<0.2U	<0.09U
	Nickel, Total	µg/L	100	<50U	0.93	1.9	5.1	1.98J	<2U	3.13
	Potassium, Total	µg/L		18,000	15,900	22,600	26,100	32,700	31,600	24,400
	Selenium, Total	µg/L	10	<40U	<5U	<5U	<1U	<1.73U	<5U	<1.73U
	Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	<0.16U
	Sodium, Total	µg/L	20000	420,000J	504,000	519,000	731,000	1,350,000	1,020,000	568,000
	Thallium, Total	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	<0.71U	<0.5U	<0.14U
	Vanadium, Total	µg/L		<50U	2.15J	<5U	8.3	<1.57U	<5U	7.25
	Zinc, Total	µg/L	2000	<50U	6.77J	30	8.2J	<3.41U	<10U	60.33
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	3.95J	-	3J	<16.4U	4.28J	<3.27U
	Antimony, Dissolved (Filtered)	µg/L	3	<12U	0.19J	-	0.6J	<2.14U	<4U	0.79J
	Arsenic, Dissolved (Filtered)	µg/L	25	<8U	0.89	-	<0.1U	<0.82U	<0.5U	<0.16U
	Barium, Dissolved (Filtered)	µg/L	1000	200	366.9	-	658.2	910.4	694.3	359
	Beryllium, Dissolved (Filtered)	µg/L	3	<4U	<0.5U	-	<0.2U	<0.53U	<0.5U	<0.1U
	Cadmium, Dissolved (Filtered)	µg/L	5	<4U	<0.2U	-	<0.1U	<0.29U	0.09J	0.97
	Calcium, Dissolved (Filtered)	µg/L		160,000	217,000	-	358,000	455,000	419,000	243,000
	Chromium, Dissolved (Filtered)	µg/L	50	<50U	1.56	-	1.6J	<0.89U	<1U	<0.17U
	Cobalt, Dissolved (Filtered)	µg/L		<20U	0.33J	-	<0.1U	<0.81U	<0.5U	0.29J
	Copper, Dissolved (Filtered)	µg/L	200	<50U	0.68J	-	<0.3U	<1.92U	1.1	0.4J
	Iron, Dissolved (Filtered)	µg/L	300	1,200	19,400	-	26,500	19,200	43J	101
	Lead, Dissolved (Filtered)	µg/L	25	<4U	<1U	-	<0.1U	<1.71U	<1U	<0.34U
	Magnesium, Dissolved (Filtered)	µg/L	35000	8,200	11,600	-	17,900	24,300	24,900	18,000
	Manganese, Dissolved (Filtered)	µg/L	300	810	971.8	-	1,939	1,551	744.6	361.7
	Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	<0.2U	-	<0.06U	<0.06U	<0.2U	<0.09U
	Nickel, Dissolved (Filtered)	µg/L	100	<50U	3.29	-	5	<2.78U	1.44J	1J
	Potassium, Dissolved (Filtered)	µg/L		19,000	17,800	-	25,500	33,600	29,500	21,200
	Selenium, Dissolved (Filtered)	µg/L	10	<40U	1.08J	-	<1U	<8.65U	<5U	<1.73U
	Silver, Dissolved (Filtered)	µg/L	50	<20U	<0.4U	-	<0.1U	<0.81U	<0.4U	<0.16U
	Sodium, Dissolved (Filtered)	µg/L	20000	450,000J	500,000	-	866,000	1,320,000	1,060,000	558,000
	Thallium, Dissolved (Filtered)	µg/L	0.5	<10U	<0.5U	-	<0.1U	<0.71U	<0.5U	<0.14U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	0.48J	-	<0.6U	<7.85U	<5U	<1.57U
	Zinc, Dissolved (Filtered)	µg/L	2000	<50U	3.82J	-	<2.6U	<17.05U	3.79J	15.21

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method_Name	Analyte	Units	TOGS 1.1.1	Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
				Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
VOCs	1,1,1-trichloroethane	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2,2-tetrachloroethane	µg/L	5		<1UJ	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2-trichloroethane	µg/L	1		<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
	1,1-dichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1-dichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,2,3-trichlorobenzene	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2,4-trichlorobenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromoethane	µg/L	5		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	1,2-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
	1,3-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dioxane	µg/L			-	<250U	<250U	<41U	<61U	<250U	<61U
	2-butanone	µg/L	50		<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
	2-hexanone	µg/L	50		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	4-methyl-2-pentanone	µg/L			<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Acetone	µg/L	50		<10U	1.4J	<5U	<1.5U	<1.5U	<5U	<1.5U
	Benzene	µg/L	1		<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Bromochloromethane	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Bromodichloromethane	µg/L	5		<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U
	Bromoform	µg/L	50		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	Bromomethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Carbon disulfide	µg/L	60		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Carbon tetrachloride	µg/L	5		<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	Chlorobenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroform	µg/L	7		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloromethane	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U
	Cyclohexane	µg/L			<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U
	Dibromochloromethane	µg/L	50		<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U
	Dichlorodifluoromethane	µg/L	5		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Ethylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Isopropylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methyl acetate	µg/L			-	<2U	-	<0.23U	<0.23U	<2U	<0.23U
	Methyl cyclohexane	µg/L			<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U
	Methyl tert butyl ether	µg/L	10		<0.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methylene chloride	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	o-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	p/m-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Styrene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Tetrachloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Toluene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Trichloroethene	µg/L	5		<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Trichlorofluoromethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Vinyl chloride	µg/L	2		<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U

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Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method Name	Analyte	Units	Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
			TOGS 1.1.1							
General Chemistry	Alkalinity, Total	µg/L		613,000	575,000	564,000	521,000	505,000	453,000	429,000
	Biological Oxygen Demand, Five day	µg/L		<6,000U	3,400	<2,000U	<2,000U	2,800	<2,000U	<2,000U
	Chemical Oxygen Demand	µg/L		359,000	49,000	42,000	56,000	55,000	29,000	35,000
	Chloride	µg/L	250,000	-	740,000	940,000	1,400,000	2,300,000	2,240,000	1,040,000
	Total Organic Carbon	µg/L		5,500	7,620	2,200	1,600	1,000	3,690J	1,550
	Total Organic Halogen	ug/l		-	40.5	62.1	11.9J	40.8	46.2	111
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.02U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.028U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.058U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.045U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.057U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	<0.0833U	<0.021U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.043U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	<0.012U	<0.014	<0.0833U	<0.083U

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202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1	MW-2R
Method_Name	Analyte	Units	TOGS 1.1.1							
Total Metals	Aluminum, Total	µg/L		1,700J	4,070	1,660	1,110	16.9	272	358
	Antimony, Total	µg/L	3	<12U	4.21	2.4	0.8J	<0.42U	<4U	0.47J
	Arsenic, Total	µg/L	25	<8U	19.91	8.5	2.7	1.4	1.77	4.43
	Barium, Total	µg/L	1000	160	167.5	224.5	225.3	277.4	192.2	366.9
	Beryllium, Total	µg/L	3	<4U	0.21J	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U
	Cadmium, Total	µg/L	5	<4U	2.45	0.1J	0.4	0.08J	0.22	<0.05U
	Calcium, Total	µg/L		280,000	240,000	84,900	181,000	256,000	160,000	95,400
	Chromium, Total	µg/L	50	<50U	14.57	10.1	18.8	2.73	5.81	1.94
	Cobalt, Total	µg/L		<20U	6.66	2.3	2	1.36	1.51	0.38J
	Copper, Total	µg/L	200	<50U	88.29	26.2	18.3	<0.38U	7.73	4.86
	Iron, Total	µg/L	300	9,000J	30,600	24,000	7,430	3,690	4,730	18,900
	Lead, Total	µg/L	25	49J	375.6	165.3	76.1	0.83J	17.16	22.73
	Magnesium, Total	µg/L	35000	120,000	137,000	33,800	31,500	39,900	28,500	44,300
	Manganese, Total	µg/L	300	790	1,016	624.2	2,788	2,707	1,841	984.3
	Mercury, Total	µg/L	0.7	<1U	12.5	0.36	0.1J	<0.06U	<0.2U	<0.09U
	Nickel, Total	µg/L	100	<50U	45.52	6.1	20.4	7.27	9.07	0.65J
	Potassium, Total	µg/L		48,000	70,000	15,300	16,500	19,200	14,200	19,300
	Selenium, Total	µg/L	10	<40U	1.18J	<5U	<1U	<1.73U	<5U	<1.73U
	Silver, Total	µg/L	50	<20U	0.33J	<0.4U	0.1J	<0.16U	<0.4U	<0.16U
	Sodium, Total	µg/L	20000	660,000J	1,130,000	215,000	333,000	478,000	325,000	250,000
	Thallium, Total	µg/L	0.5	<10U	0.11J	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U
	Vanadium, Total	µg/L		<50U	22.13	7.6	4.1J	<1.57U	1.61J	1.68J
	Zinc, Total	µg/L	2000	76	1,320	69.9	114.1	3.89J	31.44	6.78J
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	4J	-	6.66J	<3.27U
	Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	0.7J	-	0.55J	0.93J
	Arsenic, Dissolved (Filtered)	µg/L	25	<8U	-	-	1	-	1.01	0.61
	Barium, Dissolved (Filtered)	µg/L	1000	160	-	-	213.5	-	180.8	272.9
	Beryllium, Dissolved (Filtered)	µg/L	3	<4U	-	-	<0.2U	-	<0.5U	<0.1U
	Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	<0.1U	-	<0.2U	<0.05U
	Calcium, Dissolved (Filtered)	µg/L		310,000	-	-	247,000	-	183,000	89,800
	Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	3.3	-	0.97J	<0.17U
	Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	1.7	-	1.59	<0.16U
	Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	<0.3U	-	0.4J	<0.38U
	Iron, Dissolved (Filtered)	µg/L	300	750	-	-	2,090	-	24.4J	1,010
	Lead, Dissolved (Filtered)	µg/L	25	<4U	-	-	0.1J	-	<1U	<0.34U
	Magnesium, Dissolved (Filtered)	µg/L	35000	140,000	-	-	32,800	-	26,600	45,500
	Manganese, Dissolved (Filtered)	µg/L	300	860	-	-	3,892	-	1,726	930.6
	Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	<0.06U	-	<0.2U	<0.09U
	Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	14.6	-	8.42	0.73J
	Potassium, Dissolved (Filtered)	µg/L		54,000	-	-	16,800	-	15,800	18,200
	Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	<1U	-	<5U	<1.73U
	Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	<0.1U	-	<0.4U	<0.16U
	Sodium, Dissolved (Filtered)	µg/L	20000	750,000J	-	-	470,000	-	425,000	230,000
	Thallium, Dissolved (Filtered)	µg/L	0.5	<10U	-	-	<0.1U	-	<0.5U	<0.14U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	<0.6U	-	<5U	<1.57U
	Zinc, Dissolved (Filtered)	µg/L	2000	<50U	-	-	<2.6U	-	4.89J	<3.41U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State
Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational
Guidance Series (June 1998).

^{#1} - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1	MW-2R
Method_Name	Analyte	Units	TOGS 1.1.1							
VOCs	1,1,1-trichloroethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2,2-tetrachloroethane	µg/L	5	<1UJ	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
	1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	0.7J	<2.5U	<0.7U
	1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U
	2-butanone	µg/L	50	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
	2-hexanone	µg/L	50	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Acetone	µg/L	50	<10U	2.7J	<5U	<1.5U	<1.5U	<5U	<1.5U
	Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U
	Bromoform	µg/L	50	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Carbon disulfide	µg/L	60	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	0.86J	<0.7U	<2.5U	<0.7U
	Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.27U
	cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	1.7J	66	23	<0.7U
	cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U
	Dibromochloromethane	µg/L	50	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U
	Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U
	Methyl tert butyl ether	µg/L	10	<0.5U	10	0.99J	5.5	4.8	83	<0.7U
	Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Trichloroethene	µg/L	5	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Vinyl chloride	µg/L	2	6.2	<1U	3.5	6.8	100	37	0.55J

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method Name	Analyte	Units	Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019
			Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1	MW-1	MW-2R
Method Name	Analyte	Units	TOGS 1.1.1								
General Chemistry	Alkalinity, Total	µg/L		-	391,000	315,000	436,000	403,000	363,000	-	300,000
	Biological Oxygen Demand, Five day	µg/L		-	23,000	<5,000U	<10,000U	<2,000U	3,300	-	3,100
	Chemical Oxygen Demand	µg/L		-	230,000	80,000	44,000	27,000	24,000	-	44,000
	Chloride	µg/L	250,000	-	1,300,000	350,000	560,000	840,000	737,000	-	472,000
	Total Organic Carbon	µg/L		-	22,700	3,400	3,400	1,800	4,250	-	1,790
	Total Organic Halogen	ug/l		-	46.1	22	24.7	61.1	56.7	-	29.1
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.061	<0.0833U	<0.03U	<0.03U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	0.41	<0.014U	0.218	<0.038U	<0.038U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	0.238	<0.022U	0.124	<0.014U	<0.014U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.031J	<0.029U	<0.029U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	0.648	0.061	0.373	<0.038U	<0.083U

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Appendices

Appendix A

Annual Inspection Form

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITE NUMBER C224133

NAME OF INSPECTOR: Damian Vanetti

COMPANY OF INSPECTOR: GHD Consulting Services, Inc

DATE OF INSPECTION: 11-14-19

CURRENT USE OF THE SITE: Industrial Commercial Distribution / Parking

HAS A CHANGE OF LAND-USE OCCURRED SINCE THE LAST INSPECTION?
YES ☒ NO

IF YES, EXPLAIN HOW THE SITE HAS CHANGED: _____

IS THERE EVIDENCE OF LAND-USE OTHER THAN FOR INDUSTRIAL SINCE THE
LAST INSPECTION?
YES ☒ NO

IF YES, EXPLAIN THE NON-INDUSTRIAL LAND USE: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST
INSPECTION? YES ☒ NO

IF YES, EXPLAIN HOW THE SITE HAS CHANGED: _____

GENERAL DESCRIPTION OF THE COVER: Asphalt paving with
grassed island around perimeter. Bulk head
around 2 sides of rip rap stone at vegetated
soil surfaces on slope. fencing around
3 sides of site.

HAS THE COVER BEEN COMPROMISED? YES ☒ NO

IF YES, EXPLAIN HOW THE COVER HAS CHANGED: _____

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITE NUMBER C224133

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?
☐ YES ☒ NO

IF YES, EXPLAIN HOW THE SITE COVER CONDITIONS CHANGED: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?
☒ YES ☐ NO

IF YES, EXPLAIN WHAT MAINTAINENCE IS REQUIRED: *Surface*
cracks in asphalt pavement should be
repaired.

ARE SIGNIFICANT EROSION RILLS OR CRACKING PRESENT?
☐ YES ☒ NO

IF YES, EXPLAIN WHERE EROSION RILLS OR CRACKING ARE PRESENT: *Surface cracking in asphalt pavement*

IS PONDING PRESENT?
☐ YES ☒ NO

IF YES, EXPLAIN WHERE PONDING IS PRESENT AND THE ASSOCIATED DEPTH: _____

IS ANY SOIL WASTE MATERIAL EXPOSED?
☐ YES ☒ NO

IF YES, EXPLAIN WHERE SOIL WASTE MATERIAL ARE EXPOSED: _____

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITE NUMBER C224133

IS THERE A VISABLE CHANGE IN THE DESIGNATED DRAINAGE PATTERN?

☐ YES ☒ NO

IF YES, EXPLAIN WHERE THE VISABLE CHANGE IN THE DESIGNATED DRAINAGE PATTERN ARE LOCATED: _____

IS SETTLEMENT OR SUBSIDNCE VISIBLE?

☐ YES ☒ NO

IF YES, EXPLAIN WHERE SETTLEMENT OR SUBSIDNCE VISIBLE IS LOCATED:

Concrete barrier blocks on south east
corner of bulkhead have shifted and should
be monitored for structural stability. No fill
exposed

ARE SIGNIFICANT EROSION RILLS OR CRACKING PRESENT?

☐ YES ☒ NO

IF YES, EXPLAIN WHERE EROSION RILLS OR CRACKING ARE PRESENT: _____

ARE ALL GROUNDWATER MONITORING WELLS MAINTAINED PROPERLY
AND IN GOOD PHYSICAL CONDITION?

☒ YES ☐ NO

IF NO, EXPLAIN HOW THE GROUNDWATER MONITORING WELLS HAVE BEEN
COMPROMISED:

Painted Post should be placed at MW 2R and
MW-5 for visibility in vegetation growth

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITE NUMBER C224133

IS THERE ANY EVIDENCE THAT GROUNDWATER IS BEING USED FOR ANY PURPOSE?

____ YES X NO

IF YES, EXPLAIN HOW GROUNDWATER IS BEING USED:

ADDITIONAL OBSERVATIONS, CONCLUSIONS, OR RECOMMENDATIONS:

Groundwater IDW down should have cones
placed around fence
woody growth in perimeter areas outside fence
should be removed
Periodically clean up wind blown debris along perimeter fence
ANY CHANGES TO THE SITE OR REQUIRED MAINTENANCE SHOULD BE MARKED
IN THE CORRESPONDING LOCATIONS ON AN ATTACHED MAP

Appendix B

Approval Notification for EQUIS Database Submittal

Ian McNamara

From: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Sent: Wednesday, September 18, 2019 4:03 PM
To: Ian McNamara
Cc: Post, Charles H (DEC)
Subject: RE: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2019 Groundwater Monitoring EQuIS Submittal

OperatingCentre: 86
JobNo: 16480
CompleteRepository: 8616480
RepoEmail: 8616480@ghd.com
Description: Frito-Lay Brooklyn BCP
RepoType: Job

Ian,

Thank you for your EDD submission. NYSDEC has successfully uploaded the data from the EDDs "20190813 1239.C224133.NYSDEC_MERGE" and "20190813 1243.C224133.NYSDEC_MERGE" to Frito Lay in the NYSDEC database and the data is available for use within the system.

Aaron
NYSDEC EIMS Team



From: Ian McNamara <Ian.McNamara@ghd.com>
Sent: Tuesday, August 13, 2019 12:46 PM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: Post, Charles H (DEC) <charles.post@dec.ny.gov>
Subject: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2019 Groundwater Monitoring EQuIS Submittal

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hello,

Attached are 2 EDDs for the 2019 Annual sampling event at the above referenced site. One contains field parameters and water levels and one contains analytical results.
Please let me know if edits are needed for a successful upload.

Thank you,
Ian

Ian McNamara
Scientist
Environment

GHD

Proudly employee owned

T: +315 679 5732 | M: +315 368 8432 | E: ian.mcnamara@ghd.com
One Remington Park Drive Cazenovia NY 13035 USA | www.ghd.com

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about GHD

GHD is one of the world's leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings, and transportation. We provide engineering, environmental, and construction services to private and public sector clients.

Damian Vanetti, P.E.
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Ian McNamara
ian.mcnamara@ghd.com
315.679.5732

www.ghd.com



Periodic Review Report

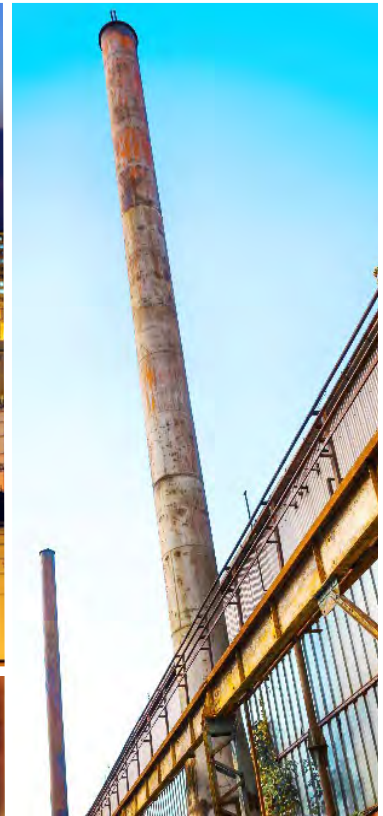
202 – 218 Morgan Avenue BCP Site

BCP Site #C224133

November 22, 2019 to November 22, 2020

Reporting Period

Rolling Frito-Lay Sales, LP





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



Site No. C224133

Site Details

Box 1

Site Name Frito Lay

Site Address: 202-218 Morgan Avenue **Zip Code:** 11237
City/Town: Brooklyn
County: Kings
Site Acreage: 2.8

Reporting Period: November 22, 2019 to November 22, 2020

- | | YES | NO |
|--|-------------------------------------|-------------------------------------|
| 1. Is the information above correct? | ☒ | ☐ |
| 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? | ☐ | ☒ |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | ☐ | ☒ |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | ☐ | ☒ |
| 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? | ☐ | ☒ |

Box 2

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

**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

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

☐ ☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

☒ ☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C224133**Box 3****Description of Institutional Controls**

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
3-02942-0105	Rolling Frito Lay Sales, LP	Soil Management Plan Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan
A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP). The ICs are: Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns; All ECs must be operated and maintained as specified in the SMP; All ECs must be inspected at a frequency and in a manner defined in the SMP. Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP; Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP; All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP; Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are: The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed. The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC; All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP; The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use; The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;		

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0111

Rolling Frito Lay Sales, LP

Soil Management Plan
Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0112

Rolling Frito Lay Sales, LP

Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan
Soil Management Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Box 4

Description of Engineering Controls

Parcel

3-02942-0105

Engineering Control

Vapor Mitigation

Cover System

Subsurface Barriers

Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to

Parcel**Engineering Control**

discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0111

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

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The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

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Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0112

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards

Parcel

Engineering Control

or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

☒ ☐

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

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

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

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

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

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

YES NO

☒ ☐

**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. C224133

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 Cedric Robinson at 7701 Legacy Drive, Plano, TX 75025
print name print business address

am certifying as Owner (Owner or Remedial Party)

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

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

7/15/2021
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

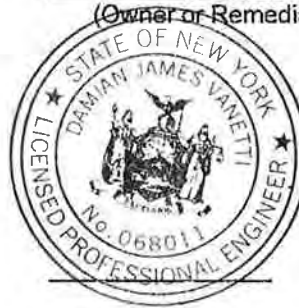
I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Damian J. Vanetti at GHD Consulting Services Inc.
print name 5788 Widewaters Parkway, Syracuse, NY 13214

am certifying as a Professional Engineer for the Owner
(Owner or Remedial Party)



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



Stamp
(Required for PE)

1-15-21
Date



Executive Summary

The 202-218 Morgan Avenue Brownfield Cleanup Program (BCP) Site (BCP Site #224133) consists of approximately 2.85-acres of land located at 202-218 Morgan Avenue, Borough of Brooklyn, Kings County, New York. The Site owner is Rolling Frito-Lay Sales, LP (Frito-Lay). The Site soil and groundwater was historically found to be contaminated with metals, polychlorinated biphenyls (PCBs), semi-volatile organic compounds (SVOCs), and volatile organic compounds (VOCs), and Site soil vapor was found to be contaminated with volatile organic compounds (VOCs). The Site was remediated to industrial use cleanup standards and received a Certificate of Completion (COC) from the New York State Department of Environmental Conservation (NYSDEC) on November 6, 2013.

The Site is currently in the monitoring stage, including annual inspections and annual groundwater monitoring, with groundwater samples being collected from on-Site and off-Site monitoring wells. In general, increasing and decreasing concentrations are observed for the various parameters across the Site, with no distinct discernable trends recognizable at this time. However, off-Site groundwater monitoring well MW-7 appears to have a generally increasing trend in concentrations of chlorinated VOCs, with concentrations of trichloroethene, cis-1,2-dichloroethene, and vinyl chloride have historically been detected at concentrations above groundwater standards in samples taken from MW-7. The concentrations of detected compounds in Site groundwater samples do not indicate the need for further assessment or further action at this time. It is noted that the Site groundwater quality could be influenced by the adjacent English Kills and/or upgradient groundwater for certain compounds.

The institutional controls and engineering controls for the Site remain in place and effective for protecting human health and the environment. The soil cover engineering controls remain in place and are functioning as intended. At the time of the annual Site inspection (November 12, 2020), it was noted that minor vegetation growth in the area around monitoring well MW-2R and woody vegetation in the stone rip-rap portion of the Site should be maintained and/or removed during regular maintenance. It was also observed that surface cracks were present in the asphalt pavement and it was recommended that an evaluation of the asphalt pavement be completed to determine if repairs and/or maintenance were required. In addition, it was observed that the shifted concrete barricades in a portion of the bulkhead have shifted and should be evaluated to determine if structural instability could be occurring. Annual groundwater monitoring has been completed in accordance with the Site Management Plan (SMP). There are no new buildings constructed on-Site and the existing warehouse on the adjacent property to the north has not been expanded. As a result, there is no need for a sub-slab depressurization system (SSDS) engineering control. The institutional and engineering controls certification form, as issued by the Department, has been completed and included as Attachment 1 at the beginning of this report.

There is no need to revise the SMP or propose a change to the frequency of PRR submittals at this time. Groundwater will continue to be monitored on an annual basis and Site inspections will continue to be performed on an annual basis, in accordance with the SMP. If buildings are constructed in the future, they will be evaluated to determine if mitigation of soil vapor intrusion is necessary. The requirements necessary to discontinue Site monitoring and Site Engineering and Institutional Controls have not been met at this time.



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Figure 2 – Site Layout

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Table 1 – Groundwater Elevation Data

Table 2 – Groundwater Field Parameter Data

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Attachment and Appendix Index

Attachment 1	Institutional and Engineering Controls Certification Form (prior to Executive Summary)
Appendix A	Annual Inspection Form
Appendix B	Approval Notifications for EQUIS Database Submittals



1. Introduction

1.1 Purpose

This Periodic Review Report (PRR) is being submitted on behalf of Rolling Frito-Lay Sales, LP (Frito-Lay) for the 202-218 Morgan Avenue Brownfield Cleanup Program (BCP) Site (BCP Site No. C224133) located at 202-218 Morgan Avenue, Borough of Brooklyn, Kings County, New York (Figure 1). The purpose of this PRR, and attached documents, is to document that institutional and engineering controls, as described in the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP) and Environmental Easement (EE), are in place in accordance with 6NYCRR Part 375-3. The following elements are included in this report:

- A complete description of all institutional and/or engineering controls employed at the Site
- An evaluation of the plans developed for implementation of the engineering and institutional controls, regarding the continued effectiveness of any institutional and/or engineering controls required by the decision document for the Site
- A certification prepared by a professional engineer or qualified environmental professional that the institutional controls and/or engineering controls employed at the Site during the period are:
 - Unchanged from the previous certification, unless approved by the Department, consistent with the SMP
 - In place and effective
 - Performing as designed, and that nothing has occurred that would (1) impair the ability of the controls to protect public health and the environment, or (2) constitute a violation or failure to comply with any operation and maintenance plan for such controls
- The institutional and engineering controls certification form as issued by the Department has been completed and included at the beginning of this report
- Data tables and figures depicting results of annual groundwater monitoring activities conducted on- and off-Site.

1.2 Certification Period

NYSDEC requested that this PRR cover the period between November 22, 2019 and November 22, 2020. During this period, Frito-Lay performed periodic inspections of the soil cover engineering control on-Site. GHD Consulting Services Inc. (GHD), on behalf of Frito-Lay, performed annual groundwater monitoring, conducted an annual visual inspection of engineering controls on-Site, and prepared this PRR.

1.3 Scope and Limitations

This report has been prepared by GHD for Rolling Frito-Lay Sales, LP and may only be used and relied on by Rolling Frito-Lay Sales, LP for the purpose agreed between GHD and Rolling Frito-Lay Sales, LP as set out in Section 1.1 of this report.



GHD otherwise disclaims responsibility to any person other than Rolling Frito-Lay Sales, LP arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

GHD has prepared this report based in part on information provided by Rolling Frito-Lay Sales, LP and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

The opinions, conclusions and any recommendations in this report are based on information obtained from, and testing undertaken at or in connection with, specific sample points. Site conditions at other parts of the Site may be different from the Site conditions found at the specific sample points.

Investigations undertaken in respect of this report are constrained by the particular Site conditions, such as the location of buildings, services and vegetation. As a result, not all relevant Site features and conditions may have been identified in this report.

Site conditions (including the presence of hazardous substances and/or Site contamination) may change after the date of this report. GHD does not accept responsibility arising from, or in connection with, any change to the Site conditions. GHD is also not responsible for updating this report if the Site conditions change without further authorization to do so by Rolling Frito-Lay Sales, LP.

2. Site Overview

The Site is in the Borough of Brooklyn, Kings County, New York and is identified as Block 2942 and Lots 105, 111, and 112 on the NYSDEC Institutional and Engineering Controls Certification Form. Information obtained from the New York City Finance Department Online Tax Maps identifies the Site as Block 2942 and Lot 105, with no matching records for Lots 111 and 112. The Site is approximately 3.23-acres of land, of which approximately 2.85-acres were entered into the BCP. The Site is bound by an adjacent parcel to the north owned by Rolling Frito-Lay Sales, LP and used for distribution activities; English Kills to the east; the English Kills basin and an adjacent industrial parcel to the south; and Morgan Avenue to the west with commercial and industrial properties further west (see Figure 2).



The Site is currently developed with an asphalt pavement parking area used for parking Frito-Lay delivery vehicles and employee vehicles. The portion of the Site not occupied by asphalt pavement consists of minor grass covered landscaping areas and rip-rap adjacent to English Kills and the English Kills basin.

The Remedial Investigation (RI), which was conducted under Brownfield Cleanup Agreement (BCA Index #A2-0622-0709) during 2009 and 2010, characterized the nature and extent of contamination at the Site. The results of the RI, as reported in the *Revised Remedial Investigation Report* (Gannett Fleming, P.C., July 2010) and the *Supplemental Remedial Investigation and Second Supplemental Remedial Investigation Report* (Gannett Fleming, P.C., April 2011) determined that contaminants of concern (COCs) were present in Site soil, groundwater, and soil vapor. It was determined that Site surface and subsurface soils contained arsenic, lead, mercury, polychlorinated biphenyls (PCBs), and semi-volatile organic compounds (SVOCs) at concentrations that exceeded the Unrestricted Use Soil Cleanup Objectives (SCOs). Analytical results of Site groundwater samples identified arsenic, lead, and volatile organic compounds (VOCs) at concentrations that exceeded the Technical and Operational Guidance Series (TOGS) Class GA groundwater standards or guidance values. VOCs were also detected in Site soil vapor samples.

A Remedial Work Plan (RWP) was prepared by Gannett Fleming, P.C. (August 2011). The remedial goals for the Site included:

- removing or eliminating significant threats to human health and the environment
- protecting human health and the environment during the contemplated future use of the Site, which was identified as industrial, heavy manufacturing, in accordance with the BCA and DER-10.

The proposed remedial approach was to remediate the Site to a Track 4 Restricted Use by meeting the Industrial Use SCOs. This remediation approach included excavation of soil/fill exceeding Site-specific remedial action objectives (RAOs), excavation of soil/fill exceeding the Industrial Use SCOs, and implementation of engineering/institutional controls. Remedial activities were completed at the Site in February 2013. Soil/fill excavation included:

- the removal of approximately 16,513 tons of hazardous PCB soil (PCB concentrations in excess of 50 mg/kg)
- the removal of approximately 4,096 tons of non-hazardous PCB soil (PCB concentrations in excess of 10 mg/kg or 25 mg/kg, depending on the excavation area)
- the removal of approximately 619 tons of arsenic, lead, and mercury contaminated soil with concentrations exceeding the Protection of Groundwater and/or Industrial Use SCOs
- the placement of imported clean fill material back into the excavation areas.

Excavated soil/fill was transported for off-Site disposal. The PCB excavated soils that were identified as hazardous were reportedly managed in accordance with TSCA regulations.



The selected remedy for groundwater remediation was natural attenuation, based on the fact that VOC daughter products were present in several on-Site groundwater monitoring wells, which suggests that degradation is occurring and can be expected to continue over time. Also, sensitive receptors were not identified downgradient of the Site and the Site and surrounding area is serviced by a municipal water supply system.

The engineering controls for the Site consist of maintaining the soil cover system and requiring the installation of a sub-slab depressurization system (SSDS) in any new buildings constructed on-Site, or in future expansions added to the Frito-Lay warehouse located on the adjoining property to the north. The institutional controls include a Site groundwater use restriction, a Site use restriction restricting the use to industrial uses, and the requirement that a SSDS will be installed in any future buildings constructed on-Site.

An Environmental Easement (EE) for the Site was filed with the Kings County Clerk's Office on September 20, 2013. A Site Management Plan, which outlines Site restrictions and requirements of future maintenance and monitoring, was completed in September 2013. A Certificate of Completion allowing for industrial uses of the Site was received from the NYSDEC on November 6, 2013.

The reader of this PRR may refer to previous reports for more detail, as needed. These reports include:

- *Subsurface Investigation*, Gannett Fleming, P.C., 2003.
- Phase I Environmental Site Assessment, Gannett Fleming, P.C., 2006.
- Surface Pile Characterization Work Plan, Gannett Fleming, P.C., 2007.
- Phase II Environmental Site Assessment, Gannett Fleming, P.C., 2007.
- Remedial Investigation, Gannett Fleming, P.C., 2009.
- Supplemental Remedial Investigation, Gannett Fleming, P.C., 2010.
- Second Supplemental Remedial Investigation, Gannett Fleming, P.C., 2011.
- Remedial Work Plan, Gannett Fleming, P.C., 2011.
- Site Management Plan, Frito-Lay, Brooklyn, New York, NYSDEC Site Number: C224133, Gannett Fleming Engineers, P.C., September 2013.
- Final Engineering Report, Frito-Lay, Brooklyn, Kings County, New York, NYSDEC Site Number: C224133, Gannett Fleming Engineers, P.C., October 2013.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2017 – November 22, 2018, GHD Consulting Services Inc., January 7, 2019.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Post-Remediation Groundwater Monitoring – 2018 PCB Re-Sample, GHD Consulting Services Inc., March 7, 2019.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2018 – November 22, 2019, GHD Consulting Services Inc., January 15, 2020
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Annual Post-Remediation Groundwater Monitoring – 2020, GHD Consulting Services Inc., November 9, 2020.



3. Institutional and Engineering Controls

Based on identified soil, groundwater, and soil vapor contamination, and the Site's past and present use, institutional and engineering controls are utilized at the Site to limit exposure risks. These institutional and engineering controls are described below.

3.1 Institutional Controls

The institutional controls (ICs) for this Site are outlined in the NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013) and adherence to these ICs is required by the Environmental Easement. The ICs for the Site include the following:

- the property may only be used for industrial uses provided that the long-term engineering and institutional controls included in the NYSDEC-approved SMP are employed
- the property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and/or commercial use without additional remediation and amendment of the EE, as approved by the NYSDEC
- all future activities on the property that will disturb remaining contamination must be conducted in accordance with the NYSDEC-approved SMP
- the use of groundwater underlying the property is prohibited without treatment rendering it safe for intended use and prior approval by NYSDEC
- the potential for soil vapor intrusion must be evaluated for any buildings developed on Site, or expansions added to the existing warehouse to the north, and any potential impacts that are identified must be monitored and/or mitigated
- vegetable gardens and farming on the property are prohibited
- the Site owner or remedial party will submit to the NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and (2) nothing has occurred that impairs the ability of the controls to protect public health and the environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3.1.1 Site Use

The Site use has not changed since the NYSDEC issued the Certificate of Completion and is currently used for industrial uses and parking of Frito-Lay company/delivery and employee vehicles.



3.1.2 Groundwater

Groundwater is not being used at the Site.

Monitored natural attenuation groundwater monitoring was conducted as outlined in the NYSDEC-approved SMP during this PRR reporting period (July 20, 2020, delayed from the typical May timeframe, with the approval of NYSDEC, due to the on-going COVID-19 pandemic). Laboratory analytical results were tabulated and submitted to the NYSDEC (GHD, November 9, 2020) and to the NYSDEC's EQulS Database.

Results of groundwater monitoring did not warrant revision of the monitoring schedule or analytical list.

3.1.3 Excavations

No excavations occurred on-Site during this PRR's certification period.

3.2 Engineering Controls

The engineering controls (ECs) for this Site are outlined in the NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013), and include the following:

3.2.1 Asphalt and Soil (Engineered) Cover Systems

Direct contact with soil/fill at the Site is mitigated by a soil cover system in place over the entirety of the Site. This soil cover system is comprised of a minimum of 6 inches of asphalt pavement or a minimum of 1-foot of clean soil/fill, consisting of maintained landscape areas or rip rap. The location of the soil cover system is depicted in Figure 3.

The soil cover system was in place for the duration of the certification period and no maintenance was required to amend the soil cover system. At the time of the annual Site inspection (November 12, 2020), it was noted that surface cracks were present in the asphalt pavement and it was recommended that an evaluation of the asphalt pavement be completed to determine if repairs and/or maintenance were required. The remainder of the soil cover system was in good repair; however, woody vegetation was observed along the bulkhead to the south and several of the concrete barricades in an isolated area of the bulkhead were shifted. It was recommended to remove the woody vegetation and assess the concrete barriers to ascertain if there were any structural concerns that require action. Both conditions should be assessed and monitored to determine if further action is needed. At the time of the annual inspection the cover system was in place and functioning as intended.

Additional information can be found in the Institutional and Engineering Controls Certification Form (beginning of this report) and the Annual Inspection Form (Appendix A).

3.2.2 Chain Linked Fence

To prevent unauthorized access to the Site, a 10-foot high chain linked fence was installed along the eastern, western, and southern boundaries. Access to the Site from the northern boundary is controlled by the adjacent property, which is also owned by Frito-Lay.



The chain linked fence was in good condition at the time of the annual Site inspection (November 12, 2020) and appeared to be effective in limiting unauthorized access to the Site.

3.2.3 Sub-Slab Depressurization System

A sub-slab depressurization system (SSDS) will be required to be installed in any new buildings constructed on-Site or if the warehouse on the adjacent property to the north, which is also owned by Frito-Lay, is expanded or renovated.

At the time of the annual Site inspection (November 12, 2020) no new buildings had been constructed on-Site and the adjacent warehouse to the north had not been expanded. Therefore, no SSDS is required at this time.

4. Operations and Monitoring

The NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013) requires annual groundwater monitoring and reporting. The annual monitoring is intended to assess the performance of the remedy and overall reduction in contamination on-Site. The annual groundwater monitoring was completed in accordance with the SMP (Figures 4, 5, 6, and 7 and Tables 1, 2, and 3), except that the schedule was delayed 2 months, with the prior approval of NYSDEC, due to the COVID-19 pandemic. The laboratory sample results were transmitted to the NYSDEC in the Annual Post-Remediation Groundwater Monitoring letter report (GHD, November 9, 2020) and were also successfully uploaded into the NYSDEC's EQulS Database on October 22, 2020 (Appendix B). Table 3 summarizes laboratory analytical results of groundwater samples taken since remediation was completed at the Site. The groundwater results are compared to Class GA groundwater quality standards or guidance values from the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1, June 1998 and subsequent addenda).

Overall, the number of contaminants detected above groundwater standards are limited as noted in the tables and figures. In general, since post-remediation baseline samples were taken, concentrations of analytes detected in groundwater samples have both increased and decreased, with no consistent Site-wide trends recognizable at this time. However, off-Site groundwater monitoring well MW-7 historically appeared to have a generally increasing trend in concentrations of chlorinated VOCs, with concentrations of trichloroethene, cis-1,2-dichloroethene, and vinyl chloride having historically been detected at concentrations above groundwater standards in samples taken from MW-7. More recent monitoring events have identified decreasing trends in concentrations of these analytes; and during the 2020 monitoring event DCE was the only analyzed for VOC detected above Class GA standards in the sample taken from MW-7. In addition, the concentrations of barium in off-site groundwater monitoring well MW-8 historically appeared to have a slightly increasing trend, however, more recent monitoring events indicate a decreasing trend and concentrations have been below Class GA standards for the previous three monitoring events. The detected contaminants in MW-7 and MW-8 are likely related to an off-site source as these monitoring wells are upgradient of the Site and the contaminants detected are at higher concentrations than detected in samples taken from on-Site monitoring wells. Based on available information to date, there are no clear discernable trends in PCB concentrations in samples taken from on-Site groundwater monitoring wells. Data will continue to be evaluated for discernable trends, if any, as more data becomes available.



It is noted that the Site groundwater quality could be influenced by the tidal water dynamics of the adjacent English Kills and/or upgradient groundwater for certain compounds.

Based on the groundwater data received to date, the qualitative exposure assessment assumptions regarding on-Site and off-site contamination have not changed and are still valid. As future groundwater monitoring events occur, the data will be reviewed to determine if any compound-specific or Site-wide trends (decreasing or increasing) can be identified.

5. Recommendations

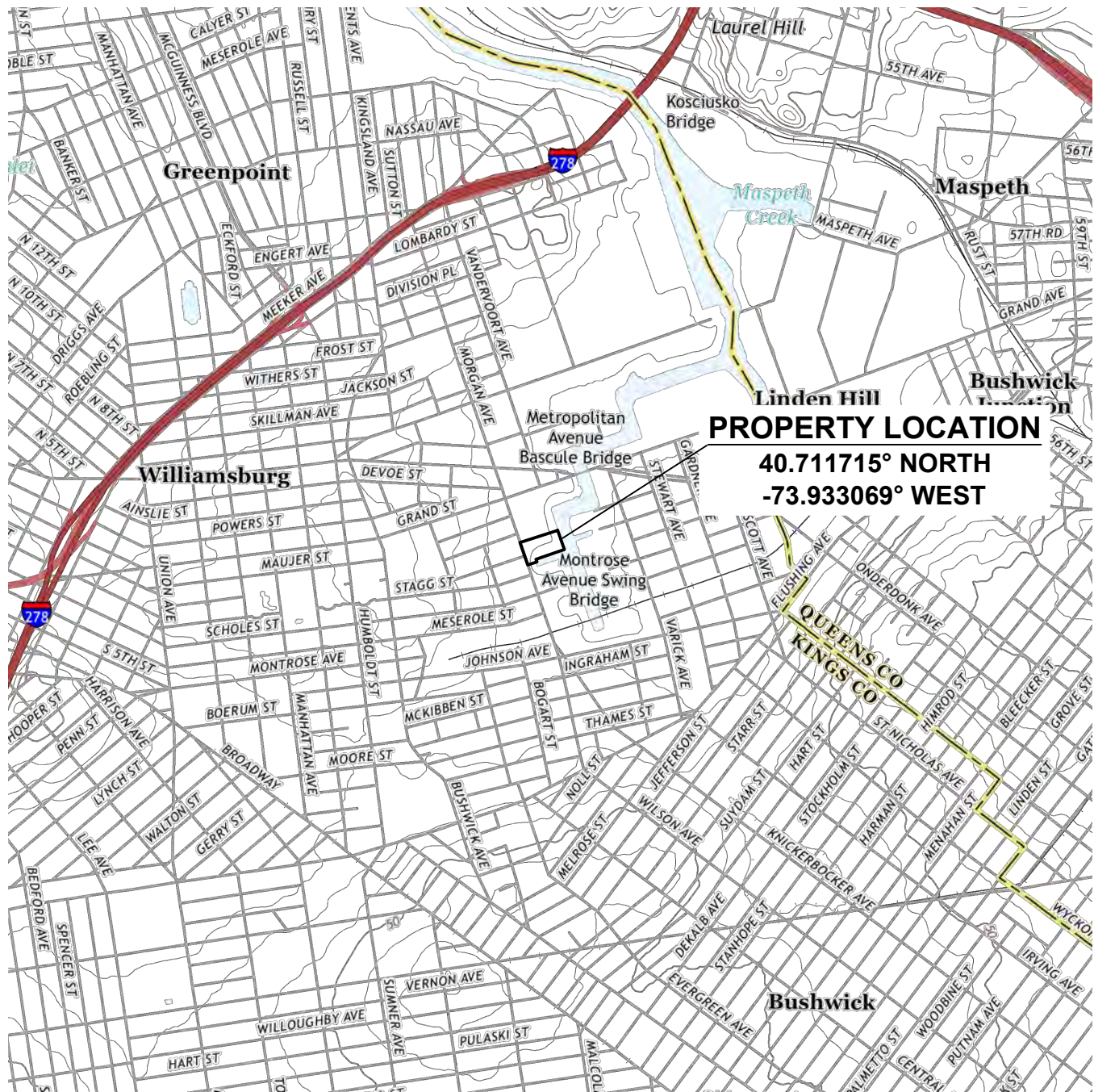
Based on a review of the annual groundwater data, it is recommended that the ICs and ECs currently in place for the Site remain in place in order to ensure the continued effectiveness and protectiveness of the remedy. The trends in groundwater quality associated with the off-site monitoring wells MW-7 and MW-8 should continue to be assessed for potential impacts to Site groundwater quality. Groundwater monitoring should continue to be conducted on an annual basis, as identified in the SMP, until the May 2021 monitoring event, after which the monitoring results should be reviewed and modifications to future monitoring requirements, if any, should be reviewed with the NYSDEC. The effectiveness of the remedy should continue to be evaluated through analytical results from the groundwater monitoring events and inspections of the engineering controls.

Based on the annual inspection observations, the following items were noted:

1. The surface cracks in the asphalt pavement should be assessed to determine if they are progressing to the point that influences the amount of stormwater infiltration into the subsurface or could compromise the engineering control. In general, the asphalt pavement should be maintained, and cracks sealed as part of the Site maintenance program.
2. Vegetation growth around monitoring well MW-2R should be removed to allow for clear access to the well.
3. The woody growth along the perimeter rip-rap should be periodically removed to control potential impacts to the cover system.
4. The concrete barricades comprising an isolated portion of the bulkhead to the south of the Site and the underlying stone should be evaluated to determine if the observed shifting of individual barricades could lead to structural instability. The evaluation should identify any recommended actions to maintain the integrity of the bulkhead and cover system.

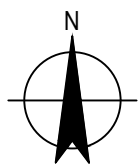
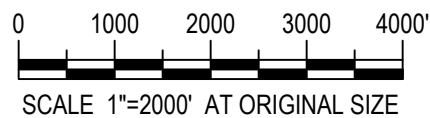
The annual Site inspections should be continued to ensure that the Site use has not changed, and the engineering controls are in place and functioning as intended.

Figures



CONTOUR INTERVAL: 10 FEET

MAP TAKEN FROM: USGS 7.5 MINUTE SERIES
 TOPOGRAPHIC QUADRANGLE:
 BROOKLYN, NY (2019)
 (U.S. GEOLOGICAL SURVEY WEBSITE)



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 2020 - 202-218 Morgan Avenue BCP Site
 Brooklyn, NY (BCP Site #C224133)

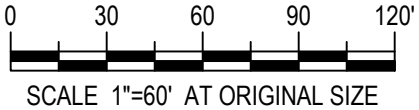
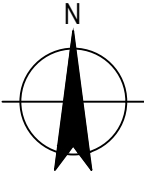
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Site Location Map

FIGURE 1



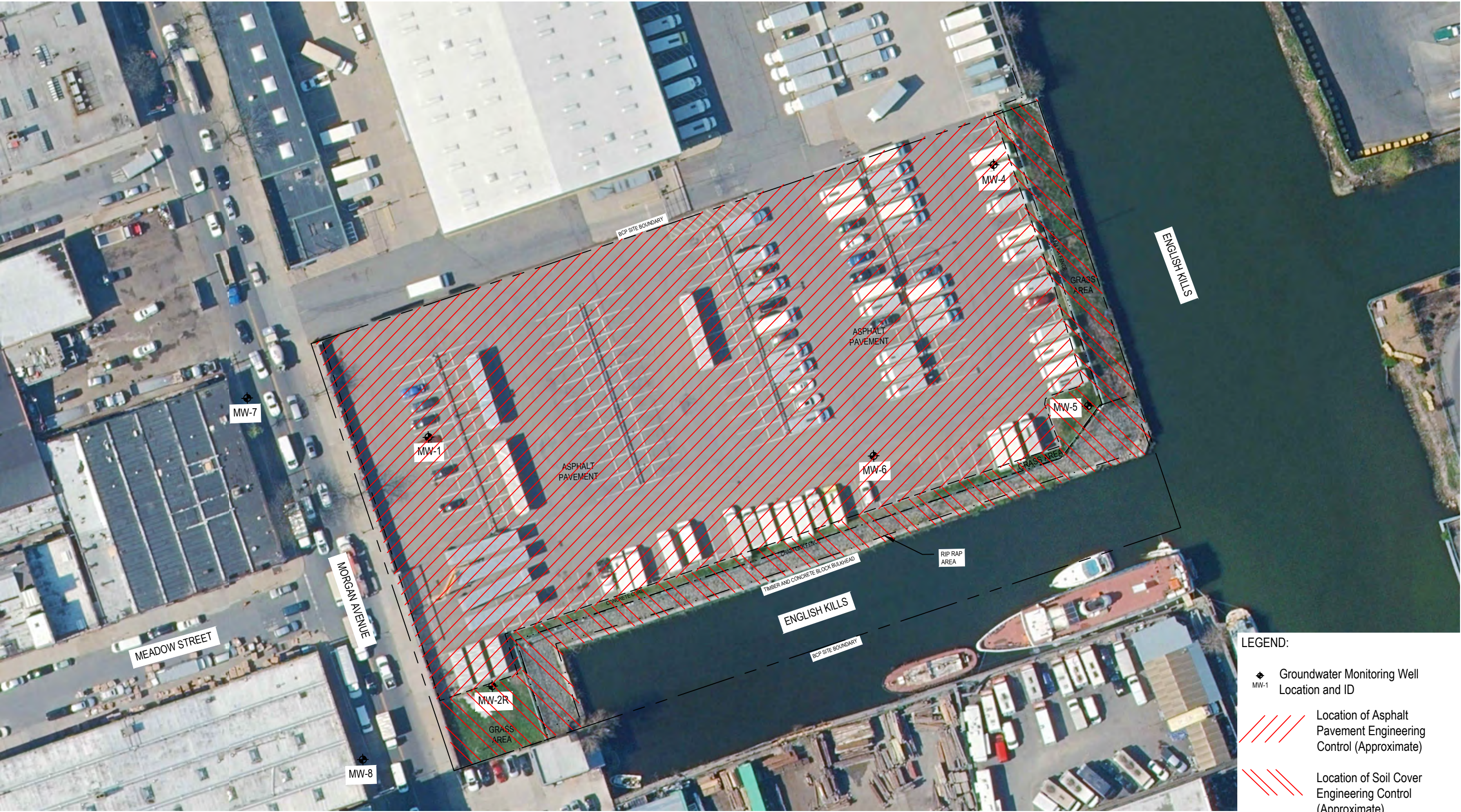
NOTES:
1. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



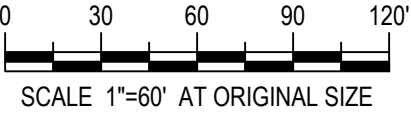
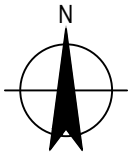
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Periodic Review Report - Nov. 22, 2019 to Nov. 22, 2020 - 202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)
SITE LAYOUT MAP

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FIGURE 2



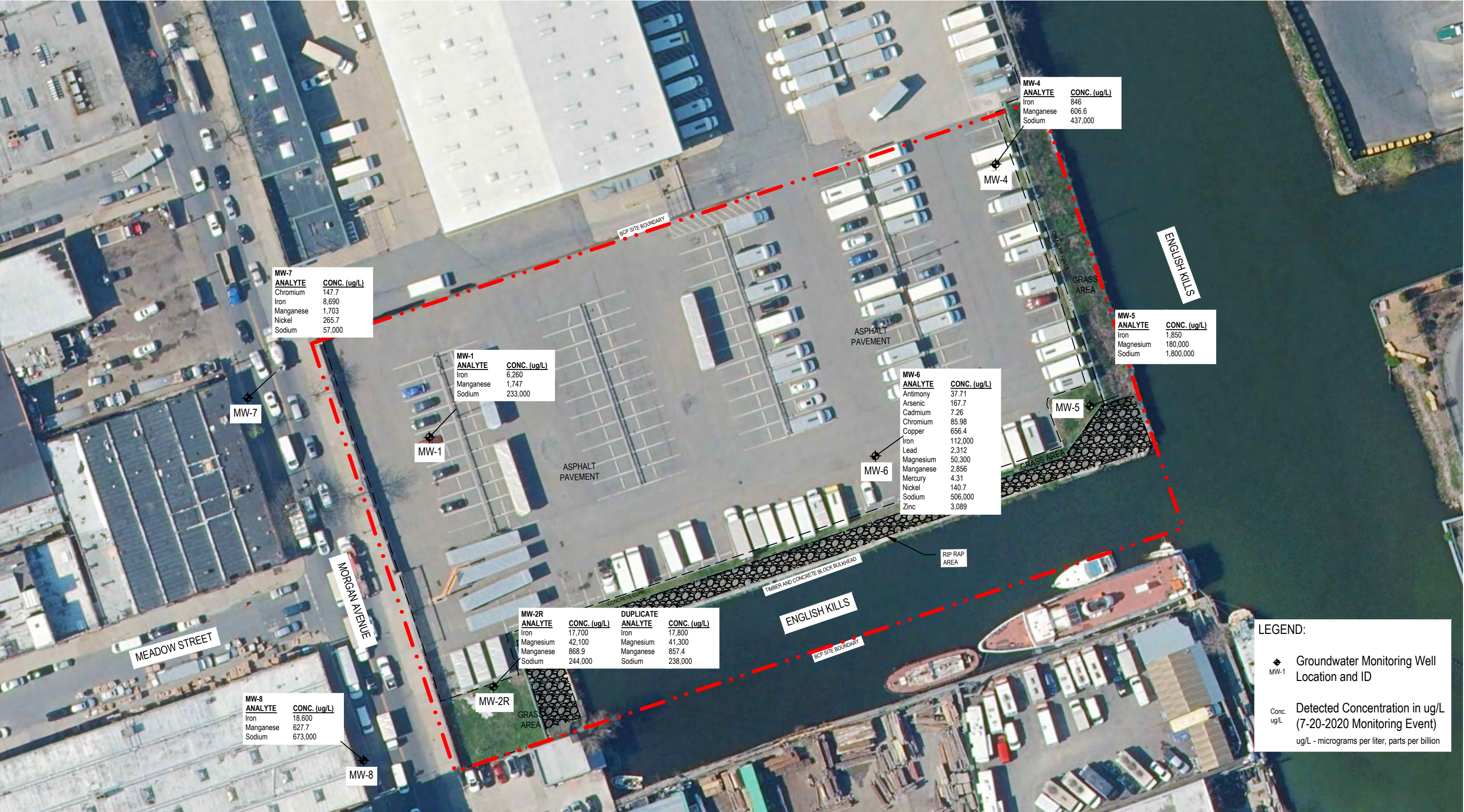
NOTES:
1. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



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ENGINEERING CONTROLS

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FIGURE 3

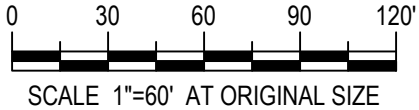
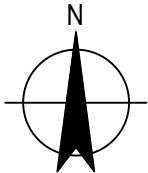


NOTES:

1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.

2. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.

3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



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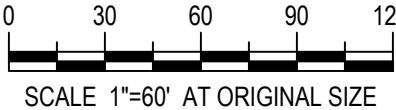
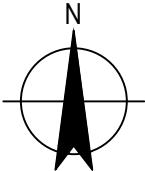
EXCEEDANCES OF GROUNDWATER STANDARDS - TOTAL METALS

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FIGURE 4



NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



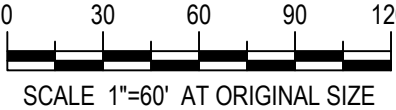
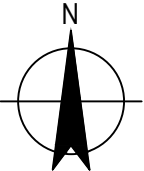
Rolling Frito-Lay Sales, LP
Periodic Review Report - Nov. 22, 2019 to Nov. 22, 2020 - 202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)
EXCEEDANCES OF GROUNDWATER STANDARDS - DISSOLVED METALS

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FIGURE 5



NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



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Periodic Review Report - Nov. 22, 2019 to Nov. 22, 2020 - 202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)
EXCEEDANCES OF GROUNDWATER STANDARDS - OTHER ANALYTES

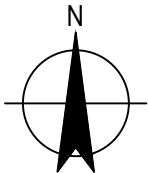
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FIGURE 6



NOTES:

1. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



0 30 60 90 120'

SCALE 1"=60' AT ORIGINAL SIZE



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Brooklyn, NY (BCP Site #C224133)
**GROUNDWATER ELEVATIONS,
CONTOURS, AND PRESUMED FLOW
DIRECTION**

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FIGURE 7

Tables



Table 1: Groundwater Elevation Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-1	2009	Top of PVC	9.93	-	-	1.74	-
	2011			-	-	1.54	-
	5/14/2014			9.07	16.33	0.86	1.16
	6/4/2015			9.74	16.38	0.19	1.06
	5/26/2016			9.55	16.24	0.38	1.07
	5/22/2017			9.24	16.93	0.69	1.23
	5/30/2018			9.06	16.93	0.87	1.26
	12/19/2018			5.11	16.93	4.82	1.89
	5/30/2019			9.41	16.93	0.52	1.20
	7/20/2020			9.22	16.93	0.71	1.23
MW-2R	2009	Top of PVC	10.26	-	-	2.71	-
	2011			-	-	0.40	-
	7/4/2015			9.75	17.92	0.51	1.31
	6/4/2015			9.69	17.92	0.57	1.32
	5/26/2016			10.22	17.61	0.04	1.18
	5/22/2017			9.53	17.95	0.73	1.35
	5/30/2018			10.42	17.95	-0.16	1.20
	12/19/2018			4.90	17.95	5.36	2.09
	5/30/2019			10.19	17.95	0.07	1.24
	7/20/2020			9.75	17.95	0.51	1.31
MW-4	2009	Top of PVC	10.22	-	-	2.04	-
	2011			-	-	0.54	-
	5/14/2014			9.91	16.48	0.31	1.05
	6/4/2015			10.50	16.45	-0.28	0.95
	5/26/2016			10.76	16.28	-0.54	0.88
	5/22/2017			10.15	16.60	0.07	1.03
	5/30/2018			9.83	16.60	0.39	1.08
	12/19/2018			2.72	16.60	7.50	2.22
	5/30/2019			9.90	16.60	0.32	1.07
	7/20/2020			9.10	16.60	1.12	1.20
MW-5	2009	Top of PVC	10.77	-	-	1.76	-
	2011			-	-	-0.80	-
	5/14/2014			11.01	18.69	-0.24	1.23
	6/4/2015			9.91	18.60	0.86	1.39
	5/26/2016			12.65	18.58	-1.88	0.95
	5/22/2017			11.25	18.70	-0.48	1.19
	5/30/2018			10.46	18.70	0.31	1.32
	12/19/2018			1.96	18.70	8.81	2.68
	5/30/2019			10.76	18.70	0.01	1.27
	7/20/2020			11.10	18.70	-0.33	1.22
MW-6	2009	Top of PVC	10.22	-	-	1.11	-
	2011			-	-	0.80	-
	5/14/2014			10.36	17.05	-0.14	1.07
	6/4/2015			10.81	17.08	-0.59	1.00
	5/26/2016			10.97	16.88	-0.75	0.95
	5/22/2017			10.55	17.10	-0.33	1.05
	5/30/2018			10.49	17.10	-0.27	1.06
	12/19/2018			2.40	17.10	7.82	2.35
	5/30/2019			10.13	17.10	0.09	1.12
	7/20/2020			10.54	17.10	-0.32	1.05
MW-7	2009	Top of PVC	11.11	-	-	2.92	-
	2011			-	-	1.48	-
	5/14/2014			8.17	15.42	2.94	1.16
	6/4/2015			8.33	16.42	2.78	1.29
	5/26/2016			8.32	15.22	2.79	1.10
	5/22/2017			8.15	15.45	2.96	1.17
	5/30/2018			7.88	15.45	3.23	1.21
	12/19/2018			NM	NM	-	-
	5/30/2019			8.11	15.45	3.00	1.17
	7/20/2020			8.39	15.45	2.72	1.13
MW-8	2009	Top of PVC	11.43	-	-	2.50	-
	2011			-	-	2.32	-
	5/14/2014			8.85	14.45	2.58	0.90
	6/4/2015			8.92	14.45	2.51	0.88
	5/26/2016			8.70	14.20	2.73	0.88
	5/22/2017			8.88	14.60	2.55	0.92
	5/30/2018			8.61	14.60	2.82	0.96
	12/19/2018			NM	NM	-	-
	5/30/2019			8.40	14.60	3.03	0.99
	7/20/2020			8.74	14.60	2.69	0.94

DTW - depth to water

DOW - depth of well

DTW and DOW measurements taken prior to purging using an electronic water level meter

2009 and 2011 groundwater elevation information taken from the Site Management Plan prepared by Gannett Fleming (September 2013)

Reference elevations taken from as-built plan prepared by PS&S (August 21, 2013)



Table 2: Groundwater Field Parameter Data, 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Well I.D.	Date	Time	Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (gal)	Comments
MW-1	7/20/2020	10:25	24.2	1.780	3.31	7.29	-108	197	2.50	Water cloudy brown with odor to clear with odor during purging MS/MSD sample taken at this location
		10:30	23.0	1.920	2.13	7.10	-196	118		
		10:35	23.0	1.960	2.22	7.04	-200	96		
		10:40	23.1	2.000	2.04	6.97	-205	108		
		10:45	23.0	2.090	2.09	7.04	-239	57		
		10:50	23.2	2.120	2.00	7.09	-246	60		
		10:55	23.1	2.160	1.96	7.10	-253	22		
		11:00	23.2	2.190	1.90	7.13	-256	12		
MW-2R	7/20/2020	11:05	23.1	2.180	1.88	7.14	-260	6	2.50	Water slightly cloudy, light brown, and no odor to clear with no odor during purging Field Duplicate sample taken at this location
		12:20	26.0	2.390	5.22	7.33	-164	190		
		12:25	25.1	2.380	4.19	7.20	-168	207		
		12:30	23.0	2.380	3.92	7.17	-170	212		
		12:35	23.0	2.380	2.99	7.17	-162	166		
		12:40	23.2	2.390	2.95	7.16	-160	170		
		12:45	23.2	2.390	2.13	7.18	-176	42		
		12:50	23.4	2.380	2.09	7.19	-180	23		
MW-4	7/20/2020	12:55	23.8	2.390	1.96	7.18	-178	11	4.25	Water slightly cloudy, light brown, and no odor to clear with no odor during purging
		13:00	23.9	2.370	1.99	7.17	-177	7		
		10:35	10.3	4.330	0.00	7.23	-253	131		
		10:40	17.8	4.280	0.00	7.30	-270	536		
		10:45	24.9	4.220	0.00	7.39	-291	379		
		10:50	26.4	4.280	0.00	7.36	-310	224		
		10:55	29.9	4.330	0.00	7.34	-339	143		
		11:00	31.2	4.360	0.00	7.35	-351	107		
MW-5	7/20/2020	11:05	31.3	4.360	0.00	7.35	-355	85	3.00	Water slightly cloudy, light brown tint, and no odor to clear with no odor during purging
		11:10	32.0	4.340	0.00	7.34	-358	70		
		11:15	32.2	4.380	0.00	7.33	-360	61		
		11:20	32.9	4.390	0.00	7.33	-362	50		
		11:25	33.3	4.460	0.00	7.31	-363	36		
		11:30	33.4	4.470	0.00	7.29	-365	23		
		11:35	33.9	4.470	0.00	7.28	-364	13		
		11:40	34.2	4.450	0.00	7.24	-364	5		
MW-6	7/20/2020	12:55	29.9	14.300	5.22	7.62	-173	131	3.50	Water slightly cloudy, light brown tint, and no odor to clear with no odor during purging
		13:00	30.0	14.400	3.61	7.44	-150	75		
		13:05	30.4	14.500	2.00	7.36	-116	52		
		13:10	30.2	14.400	1.32	7.29	-117	32		
		13:15	29.4	14.300	0.02	7.24	-119	19		
		13:20	29.3	14.300	0.00	7.23	-122	14		
		13:25	29.7	14.300	0.00	7.23	-128	11		
		13:30	29.7	14.200	0.00	7.23	-130	8		
MW-7	7/20/2020	13:35	30.0	14.100	0.00	7.23	-133	5	3.25	Water cloudy, light brown, and odor to clear with odor during purging
		13:40	29.9	14.100	0.00	7.23	-133	3		
		14:15	23.6	4.610	0.00	7.71	-183	>1000		
		14:20	23.0	4.590	0.00	7.63	-200	705		
		14:25	20.5	4.580	0.00	7.56	-221	398		
		14:30	21.3	4.600	0.00	7.48	-235	300		
		14:35	25.0	4.640	0.00	7.46	-249	203		
		14:40	25.8	4.640	0.00	7.46	-257	136		
MW-8	7/20/2020	14:45	26.4	4.630	0.00	7.47	-264	86	2.25	Water cloudy, light brown, and no odor to clear with no odor during purging
		14:50	26.4	4.620	0.00	7.47	-268	53		
		14:55	26.2	4.620	0.00	7.48	-270	39		
		15:00	26.3	4.630	0.00	7.49	-277	27		
		15:05	25.9	4.640	0.00	7.50	-281	16		
		15:10	26.0	4.650	0.00	7.50	-284	8		
		15:40	23.1	1.300	1.54	7.40	-97	>1000		
		15:45	22.9	1.190	1.31	7.33	-100	414		
MW-8	7/20/2020	15:50	22.4	1.110	1.09	7.17	-111	300	2.25	Water cloudy, light brown, and no odor to clear with no odor during purging
		15:55	22.8	1.100	1.04	7.09	-114	196		
		16:00	22.0	1.110	1.00	7.15	-119	90		
		16:05	21.8	1.090	0.09	7.20	-120	63		
		16:10	21.8	1.080	0.00	7.22	-122	44		
		16:15	21.8	1.070	0.00	7.22	-123	22		
		16:20	22.0	1.070	0.00	7.23	-125	29		
		16:25	21.9	1.060	0.00	7.22	-126	34		
MW-8	7/20/2020	16:30	21.9	1.070	0.00	7.23	-128	39	2.25	Water cloudy, light brown, and no odor to clear with no odor during purging
		14:25	23.1	4.240	0.34	7.05	-105	533		
		14:30	23.0	4.240	0.07	7.06	-117	196		
		14:35	22.4	4.240	0.00	7.07	-122	100		
		14:40	22.1	4.240	0.00	7.07	-124	76		
		14:45	22.0	4.250	0.00	7.06	-120	44		
		14:50	22.1	4.260	0.00	7.07	-119	32		
		14:55	22.2	4.240	0.00	7.05	-118	19		
MW-8	7/20/2020	15:00	22.1	4.240	0.00	7.05	-119	10	2.25	Water cloudy, light brown, and no odor to clear with no odor during purging
		15:05	22.1	4.240	0.00	7.05	-119	10		
		15:10	22.1	4.240	0.00	7.05	-119	10		
		15:15	22.1	4.240	0.00	7.05	-119	10		
		15:20	22.1	4.240	0.00	7.05	-119	10		
		15:25	22.1	4.240	0.00	7.05	-119	10		
		15:30	22.1	4.240	0.00	7.05	-119	10		
		15:35	22.1	4.240	0.00	7.05	-119	10		

Field parameters collected during purging using a multi-parameter water quality meter with flow thru cell



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

Method_Name	Analyte	Units	Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			TOGS 1.1.1								
Total Metals	Aluminum, Total	µg/L		220	2710	5230	1000	19.8	700	75.8	536
	Antimony, Total	µg/L	3	<12U	6.53	2.1	0.7J	<0.42U	0.69J	10.14	<4U
	Arsenic, Total	µg/L	25	<8U	4.26	12.1	2.5	1.54	3.01	3.87	2.42
	Barium, Total	µg/L	1000	180	218.7	333.3	235.6	284.9	224.9	171.4	163.9
	Beryllium, Total	µg/L	3	<4U	0.17J	0.4J	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U
	Cadmium, Total	µg/L	5	<4U	0.83	2.1	0.5	0.06J	0.36	0.13J	0.25
	Calcium, Total	µg/L		210,000	166,000	211,000	189,000	276,000	182,000	152,000	132,000
	Chromium, Total	µg/L	50	<50U	35.47	91.6	18.2	2.89	11.93	2.54	6.43
	Cobalt, Total	µg/L		<20U	3.58	7.9	2	1.16	2.12	0.97	1.46
	Copper, Total	µg/L	200	<50U	66.06	180	17.7	0.71J	21.1	1.88	10.81
	Iron, Total	µg/L	300	4100	21,500	24,000	7160	3710	6260	3920	6260
	Lead, Total	µg/L	25	6	147.4	360.1	85.7	0.84J	45.6	4.04	24.89
	Magnesium, Total	µg/L	35000	36,000	29,100	36,200	31,100	39,200	32,600	32,100	33,800
	Manganese, Total	µg/L	300	3000	2458	3322	2939	2792	2093	1856	1747
	Mercury, Total	µg/L	0.7	<1U	3.27	0.81	0.14J	<0.06U	<0.2U	<0.09U	<0.2U
	Nickel, Total	µg/L	100	<50U	30.45	69.1	18.4	9.44	13.13	6.89	13.26
	Potassium, Total	µg/L		18,000	13,900	17,500	16,300	20,700	16,100	14,500	13,000
	Selenium, Total	µg/L	10	<40U	1.03J	2J	<1U	<1.73U	<5U	<1.73U	<5U
	Silver, Total	µg/L	50	<20U	0.66	1.6	0.1J	<0.16U	0.17J	<0.16U	<0.4U
	Sodium, Total	µg/L	20000	220,000J	290,000	315,000	342,000	477,000	369,000	338,000	233,000
	Thallium, Total	µg/L	0.5	<10U	0.04J	0.1J	<0.1U	<0.14U	<0.5U	0.19J	<0.5U
	Vanadium, Total	µg/L		<50U	9.55	34.1	4.3J	<1.57U	3.55J	2.07J	<5U
	Zinc, Total	µg/L	2000	<50U	298.2	952.9	104.2	4.44J	82.02	9.31J	48.37
Dissolved Metals	Aluminum, Dissolved	µg/L		<180U	9.6J	10.6	8J	-	6.76J	4.73J	<10U
	Antimony, Dissolved	µg/L	3	<12U	0.17J	0.1J	1.2J	-	0.69J	3.54J	<4U
	Arsenic, Dissolved	µg/L	25	8.3	1.68	0.8	2.2	-	1.14	2.76	<0.5U
	Barium, Dissolved	µg/L	1000	140	175.8	195.9	200.1	-	182.2	151	127.4
	Beryllium, Dissolved	µg/L	3	<4U	<0.5U	<0.5U	<0.2U	-	<0.5U	<0.1U	<0.5U
	Cadmium, Dissolved	µg/L	5	<4U	<0.2U	<0.5U	<0.1U	-	<0.2U	<0.05U	<0.2U
	Calcium, Dissolved	µg/L		180,000	193,000	159,000	198,000	-	183,000	160,000	119,000
	Chromium, Dissolved	µg/L	50	<50U	3.34	3.04	2.9	-	0.96J	0.81J	<1U
	Cobalt, Dissolved	µg/L		<20U	0.82	1.3	1.3	-	1.56	1.34	1.24
	Copper, Dissolved	µg/L	200	<50U	0.64J	0.3J	<0.3U	-	1.48	<0.38U	<1U
	Iron, Dissolved	µg/L	300	760	7470	5360	1920	-	25.6J	97.7	103
	Lead, Dissolved	µg/L	25	<4U	<1U	<1U	0.2J	-	<1U	<0.34U	<1U
	Magnesium, Dissolved	µg/L	35000	30,000	27,300	30,800	30,300	-	26,400	38,400	32,000
	Manganese, Dissolved	µg/L	300	2500	2728	2886	3222	-	1771	1901	1600
	Mercury, Dissolved	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	-	<0.2U	<0.09U	<0.2U
	Nickel, Dissolved	µg/L	100	<50U	7.43	10.17	14.1	-	8.2	6.87	9.69
	Potassium, Dissolved	µg/L		15,000	14,200	15,800	16,400	-	15,900	15,200	11,900
	Selenium, Dissolved	µg/L	10	<40U	1.29J	<100U	<1U	-	<5U	<1.73U	<5U
	Silver, Dissolved	µg/L	50	<20U	<0.4U	<5U	<0.1U	-	<0.4U	<0.16U	<0.4U
	Sodium, Dissolved	µg/L	20000	190,000J	356,000	298,000	382,000	-	430,000	361,000	220,000
	Thallium, Dissolved	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	-	<0.5U	0.19J	<0.5U
	Vanadium, Dissolved	µg/L		<50U	0.35J	<5U	<0.6U	-	<5U	<1.57U	<5U
	Zinc, Dissolved	µg/L	2000	<50U	2.48J	4.87J	<2.6U	-	7.39J	<3.41U	12.22

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
Method_ Name	Analyte	Units	TOGS 1.1.1								
VOCs	1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
	1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
	1,1-dichloroethane	µg/L	5	<1U	<2.5U	0.81J	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
	1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
	1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65J	<0.34U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	0.14J	<0.26U
	1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
	2-butanone	µg/L	50	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
	2-hexanone	µg/L	50	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
	Acetone	µg/L	50	<10U	2.7J	<5U	<1.5U	4.8J	<5U	2.1J	<0.9U
	Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
	Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
	Bromoform	µg/L	50	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
	Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
	Carbon disulfide	µg/L	60	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.44U
	Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
	Chlorobenzene	µg/L	5	1	0.72J	0.81J	0.77J	0.71J	<2.5U	<0.7U	<0.42U
	Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
	Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	cis-1,2-dichloroethene	µg/L	5	<1U	2.1J	2.7	1.5J	80	17	5	1.1
	cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
	Dibromochloromethane	µg/L	50	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
	Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
	Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	Isopropylbenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
	Methyl tert butyl ether	µg/L	10	1.5	4.6	21	5	7	66	22	44
	Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
	o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
	p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
	Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
	trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U	
Trichloroethene	µg/L	5	<1UJ	0.17J	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U	
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U	
Vinyl chloride	µg/L	2	0.4	5.8	24	9.9	92	53	61	9.44	

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

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U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method Name	Analyte	Units	Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020
			Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			TOGS 1.1.1									
General Chemistry	Alkalinity, Total	µg/L		347,000	400,000	766,000	437,000	398,000	364,000	-	352,000	<2000U
	Biological Oxygen Demand, Five day	µg/L		10,600	<50,000U	<40,000U	<10,000U	5400	2800	-	2300	5800
	Chemical Oxygen Demand	µg/L		690,000	1,300,000	2,800,000	46,000	20,000	47,000	-	33,000	28,000
	Chloride	µg/L	250000	-	600,000	540,000	560,000	840,000	727,000	-	625,000	378,000
	Total Organic Carbon	µg/L		5400	10,600	7500	3500	1700	4330	-	3060	1900
	Total Organic Halogen	µg/L		-	<20U	<20U	27.7	54	44.1	-	28	51.4
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.043J	<0.0833U	<0.03U	<0.03U	<0.05U
	Aroclor 1248	µg/L		<0.05U	0.768	1.46	0.286	<0.014U	0.262	<0.038U	0.085	0.161
	Aroclor 1254	µg/L		<0.05U	0.416	0.746	0.137	<0.022U	0.142	<0.014U	0.038J	0.082
	Aroclor 1260	µg/L		<0.05U	<0.083U	0.119	<0.023U	<0.023U	0.035J	<0.029U	<0.029U	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	1.18	2.33	0.423	0.043	0.439	<0.038U	0.123J	0.243

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

Method_Name	Analyte	Units	Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
			TOGS 1.1.1								
Total Metals	Aluminum, Total	µg/L		4200J	404	1690	33	193	35.5	375	231
	Antimony, Total	µg/L	3	<12U	3.12	2.1	0.3J	<0.42U	0.8J	0.51J	<4U
	Arsenic, Total	µg/L	25	<8U	36.36	7.8	6.8	6.51	6.25	4.43	4.36
	Barium, Total	µg/L	1000	200	192.8	227.1	227.7	298	308.7	371.6	381
	Beryllium, Total	µg/L	3	<4U	0.1J	0.2J	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U
	Cadmium, Total	µg/L	5	<4U	0.19J	0.1J	<0.1U	0.2	<0.2U	<0.05U	<0.2U
	Calcium, Total	µg/L		320,000	88,100	93,300	73,700	73,300	82,200	96,800	93,600
	Chromium, Total	µg/L	50	<50U	10.5	10.4	0.5J	1.01	0.4J	2.05	1.4
	Cobalt, Total	µg/L		<20U	1.18	2.6	0.2	0.23J	<0.5U	0.55	<0.5U
	Copper, Total	µg/L	200	<50U	20.21	30.9	<0.3U	2.47	0.6J	4.92	2.83
	Iron, Total	µg/L	300	13,000J	58,600	24,100	14,000	14,100	17,300	19,000	17,700
	Lead, Total	µg/L	25	120J	73.18	178	1.9	13.48	2.01	22.43	13.12
	Magnesium, Total	µg/L	35000	140,000	33,900	35,700	33,800	34,400	41,500	44,300	42,100
	Manganese, Total	µg/L	300	900	374.7	699.3	804.9	708.6	901.2	1009	868.9
	Mercury, Total	µg/L	0.7	<1U	0.38	0.46	0.09J	0.06J	<0.2U	<0.09U	<0.2U
	Nickel, Total	µg/L	100	<50U	3.41	5.5	1.3J	1.75J	<2U	0.69J	<2U
	Potassium, Total	µg/L		55,000	14,400	16,000	14,300	16,500	16,800	19,600	19,000
	Selenium, Total	µg/L	10	<40U	0.53J	<5U	<1U	<1.73U	<5U	<1.73U	<5U
	Silver, Total	µg/L	50	<20U	<0.4U	0.1J	<0.1U	<0.16U	<0.4U	<0.16U	<0.4U
	Sodium, Total	µg/L	20000	770,000J	142,000	221,000	200,000	273,000	178,000	253,000	244,000
	Thallium, Total	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U	<0.5U
	Vanadium, Total	µg/L		<50U	6.59	8.1	<0.6U	<1.57U	<5U	1.94J	<5U
	Zinc, Total	µg/L	2000	120	68.19	80.8	<2.6U	5.88J	<10U	7.43J	<10U
Dissolved Metals	Aluminum, Dissolved	µg/L		<180U	-	-	-	-	4.54J	<3.27U	<10U
	Antimony, Dissolved	µg/L	3	<12U	-	-	-	-	<4U	1.13J	<4U
	Arsenic, Dissolved	µg/L	25	<8U	-	-	-	-	0.83	0.68	0.58
	Barium, Dissolved	µg/L	1000	160	-	-	-	-	231.6	275.2	316.3
	Beryllium, Dissolved	µg/L	3	<4U	-	-	-	-	<0.5U	<0.1U	<0.5U
	Cadmium, Dissolved	µg/L	5	<4U	-	-	-	-	<0.2U	<0.05U	<0.2U
	Calcium, Dissolved	µg/L		320,000	-	-	-	-	88,800	89,600	94,100
	Chromium, Dissolved	µg/L	50	<50U	-	-	-	-	0.18J	<0.17U	<1U
	Cobalt, Dissolved	µg/L		<20U	-	-	-	-	0.18J	0.17J	<0.5U
	Copper, Dissolved	µg/L	200	<50U	-	-	-	-	0.82J	<0.38U	<1U
	Iron, Dissolved	µg/L	300	870	-	-	-	-	35.1J	1840	404
	Lead, Dissolved	µg/L	25	<4U	-	-	-	-	<1U	<0.34U	<1U
	Magnesium, Dissolved	µg/L	35000	140,000	-	-	-	-	34,400	45,600	42,700
	Manganese, Dissolved	µg/L	300	830	-	-	-	-	915.9	911.9	830.2
	Mercury, Dissolved	µg/L	0.7	<1U	-	-	-	-	<0.2U	<0.09U	<0.2U
	Nickel, Dissolved	µg/L	100	<50U	-	-	-	-	0.87J	0.75J	<2U
	Potassium, Dissolved	µg/L		55,000	-	-	-	-	17,400	18,000	19,300
	Selenium, Dissolved	µg/L	10	<40U	-	-	-	-	<5U	<1.73U	<5U
	Silver, Dissolved	µg/L	50	<20U	-	-	-	-	<0.4U	<0.16U	<0.4U
	Sodium, Dissolved	µg/L	20000	760,000J	-	-	-	-	213,000	230,000	254,000
	Thallium, Dissolved	µg/L	0.5	<10U	-	-	-	-	<0.5U	<0.14U	<0.5U
	Vanadium, Dissolved	µg/L		<50U	-	-	-	-	<5U	<1.57U	<5U
	Zinc, Dissolved	µg/L	2000	<50U	-	-	-	-	<10U	<3.41U	<10U

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

Method_ Name	Analyte	Units	TOGS 1.1.1	Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
				Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
VOCs	1,1,1-trichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
	1,1,2-trichloroethane	µg/L	1		<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
	1,1-dichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	1,1-dichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
	1,2,3-trichlorobenzene	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
	1,2,4-trichlorobenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
	1,2-dibromoethane	µg/L	5		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
	1,2-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
	1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
	1,3-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
	1,4-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
	1,4-dioxane	µg/L			-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
	2-butanone	µg/L	50		<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
	2-hexanone	µg/L	50		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
	4-methyl-2-pentanone	µg/L			<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
	Acetone	µg/L	50		<10U	2.3J	<5U	<1.5U	<1.5U	<5U	4.4J	<0.9U
	Benzene	µg/L	1		<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
	Bromochloromethane	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
	Bromodichloromethane	µg/L	5		<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
	Bromoform	µg/L	50		<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
	Bromomethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
	Carbon disulfide	µg/L	60		<1U	<5U	2.2J	<1U	<1U	<5U	<1U	<0.44U
	Carbon tetrachloride	µg/L	5		<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
	Chlorobenzene	µg/L	5		1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Chloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
	Chloroform	µg/L	7		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	Chloromethane	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	cis-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	cis-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
	Cyclohexane	µg/L			<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
	Dibromochloromethane	µg/L	50		<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
	Dichlorodifluoromethane	µg/L	5		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
	Ethylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	Isopropylbenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
	Methyl acetate	µg/L			-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
	Methyl cyclohexane	µg/L			<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
	Methyl tert butyl ether	µg/L	10		1.6	1.6J	1.1J	<0.7U	0.77J	<2.5U	7	<0.26U
	Methylene chloride	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
	o-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
	p/m-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
	Styrene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Tetrachloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Toluene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
	trans-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
	trans-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
	Trichloroethene	µg/L	5		<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Trichlorofluoromethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
	Vinyl chloride	µg/L	2		4.7	<1U	3.4	2.5	0.98J	0.87J	<0.07U	<0.26U

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202-218 Morgan Avenue BCP Site
Site #C224133

Method Name	Analyte	Units	Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020
			Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
			TOGS 1.1.1									
General Chemistry	Alkalinity, Total	µg/L		308,000	312,000	317,000	271,000	281,000	298,000	-	295,000	<2000U
	Biological Oxygen Demand, Five day	µg/L		<6000U	<10,000U	<5000U	<2000U	<2000U	<2000U	-	<2000U	<2000U
	Chemical Oxygen Demand	µg/L		32,900	74,000	55,000	22,000	18,000	6000J	-	21,000	24,000
	Chloride	µg/L	250000	-	270,000	340,000	340,000	430,000	376,000	-	472,000	502,000
	Total Organic Carbon	µg/L		2800	11,200	3200	2600	2300	3120	-	11,600	2200
	Total Organic Halogen	µg/L		-	26.9	20.9	14.1J	41.1	19.9J	-	30	49.5J
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U	<0.03U	<0.05U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	0.034J	<0.022U	<0.0833U	<0.014U	<0.014U	<0.05U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.029U	<0.029U	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	0.034J	<0.014	<0.0833U	<0.038U	<0.083U	<0.05U

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

Method_Name	Analyte	Units	Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			TOGS 1.1.1								
Total Metals	Aluminum, Total	µg/L		250	103	87	616	148	5000	44.9	453
	Antimony, Total	µg/L	3	<12U	2.91	1.2J	1J	1.2J	3.39J	<0.42U	<4U
	Arsenic, Total	µg/L	25	<8U	9.74	5.9	7.8	3.56	55.78	7.12	2.84
	Barium, Total	µg/L	1000	660	92.03	80.4	80.8	112.5	290.4	163.5	165.8
	Beryllium, Total	µg/L	3	<4U	<0.5U	<0.5U	<0.2U	<0.1U	0.43J	<0.1U	<0.5U
	Cadmium, Total	µg/L	5	<4U	0.05J	0.1J	0.3	0.5	2.74	0.44	0.38
	Calcium, Total	µg/L		520,000J	272,000	294,000	207,000	220,000	291,000	229,000	205,000
	Chromium, Total	µg/L	50	<50U	0.77J	2.8	2.2	0.81J	16.9	0.87J	1.67
	Cobalt, Total	µg/L		<20U	0.36	0.49J	1.6	0.69	13.26	0.6	0.92
	Copper, Total	µg/L	200	<50U	1.12J	2.2	9.9	2.13	111.6	0.67J	3.35
	Iron, Total	µg/L	300	650	186	219	1290	336	16,400	541	846
	Lead, Total	µg/L	25	9	3.12	3.5	25	5.51	288.8	2.24	11.26
	Magnesium, Total	µg/L	35000	8400J	6600	12,300	16,200	30,700	36,900	30,800	30,800
	Manganese, Total	µg/L	300	100	5.31	13	35.3	302.2	752.8	546.9	606.6
	Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	<0.06U	0.4	<0.09U	<0.2U
	Nickel, Total	µg/L	100	<50U	3.56	5.5	7.6	5.08	35.7	5.44	4.94
	Potassium, Total	µg/L		64,000	70,700	77,800	74,200	53,200	52,000	52,400	47,900
	Selenium, Total	µg/L	10	<40U	0.55J	<5U	<1U	<1.73U	1.97J	<1.73U	<5U
	Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U	0.25J	<0.16U	<0.4U
	Sodium, Total	µg/L	20000	250,000J	303,000	339,000	387,000	331,000	382,000	486,000	437,000
	Thallium, Total	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	<0.14U	0.16J	<0.14U	<0.5U
	Vanadium, Total	µg/L		<50U	0.92J	1.3J	3.3J	1.69J	21.8	1.67J	<5U
	Zinc, Total	µg/L	2000	<50U	13.78	31.8	60.7	30.16	760.7	9.33J	50.3
Dissolved Metals	Aluminum, Dissolved	µg/L		<180U	-	-	-	-	9.43J	<3.27U	42
	Antimony, Dissolved	µg/L	3	<12U	-	-	-	-	1.23J	0.72J	<4U
	Arsenic, Dissolved	µg/L	25	<8U	-	-	-	-	23.96	9.13	2.22
	Barium, Dissolved	µg/L	1000	620	-	-	-	-	171.1	150	154.7
	Beryllium, Dissolved	µg/L	3	<4U	-	-	-	-	<0.5U	<0.1U	<0.5U
	Cadmium, Dissolved	µg/L	5	<4U	-	-	-	-	<0.2U	<0.05U	-
	Calcium, Dissolved	µg/L		440,000J	-	-	-	-	243,000	204,000	194,000
	Chromium, Dissolved	µg/L	50	<50U	-	-	-	-	0.35J	0.29J	<1U
	Cobalt, Dissolved	µg/L		<20U	-	-	-	-	0.61	0.6	0.58
	Copper, Dissolved	µg/L	200	<50U	-	-	-	-	<1U	<0.38U	<1U
	Iron, Dissolved	µg/L	300	<280U	-	-	-	-	49.1J	89.4	<50U
	Lead, Dissolved	µg/L	25	<4U	-	-	-	-	0.91J	<0.34U	<1U
	Magnesium, Dissolved	µg/L	35000	<2000UJ	-	-	-	-	27,200	31,200	29,700
	Manganese, Dissolved	µg/L	300	<40U	-	-	-	-	433.7	490.6	563.3
	Mercury, Dissolved	µg/L	0.7	<1U	-	-	-	-	<0.2U	<0.09U	<0.2U
	Nickel, Dissolved	µg/L	100	<50U	-	-	-	-	3.39	4.29	3.38
	Potassium, Dissolved	µg/L		65,000	-	-	-	-	40,300	46,900	46,400
	Selenium, Dissolved	µg/L	10	<40U	-	-	-	-	<5U	<1.73U	<5U
	Silver, Dissolved	µg/L	50	<20U	-	-	-	-	<0.4U	<0.16U	<0.4U
	Sodium, Dissolved	µg/L	20000	250,000J	-	-	-	-	457,000	436,000	436,000
	Thallium, Dissolved	µg/L	0.5	<10U	-	-	-	-	<0.5U	<0.14U	<0.5U
	Vanadium, Dissolved	µg/L		<50U	-	-	-	-	<5U	<1.57U	<5U
	Zinc, Dissolved	µg/L	2000	<50U	-	-	-	-	3.52J	<3.41U	<10U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

Method_ Name	Analyte	Units	TOGS 1.1.1	Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
				Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
VOCs	1,1,1-trichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
	1,1,2-trichloroethane	µg/L	1		<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
	1,1-dichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	1,1-dichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
	1,2,3-trichlorobenzene	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
	1,2,4-trichlorobenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
	1,2-dibromoethane	µg/L	5		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
	1,2-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
	1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
	1,3-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
	1,4-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
	1,4-dioxane	µg/L			-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
	2-butanone	µg/L	50		<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
	2-hexanone	µg/L	50		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
	4-methyl-2-pentanone	µg/L			<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
	Acetone	µg/L	50		4	5	<5U	2.3J	5.9	<5U	1.7J	<0.9U
	Benzene	µg/L	1		<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
	Bromochloromethane	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
	Bromodichloromethane	µg/L	5		<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
	Bromoform	µg/L	50		<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
	Bromomethane	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
	Carbon disulfide	µg/L	60		<1U	<5U	<5U	<1U	<1U	<5U	4J	<0.44U
	Carbon tetrachloride	µg/L	5		<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
	Chlorobenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Chloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
	Chloroform	µg/L	7		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	Chloromethane	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	cis-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	cis-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
	Cyclohexane	µg/L			<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
	Dibromochloromethane	µg/L	50		<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
	Dichlorodifluoromethane	µg/L	5		<1UJ	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
	Ethylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	Isopropylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
	Methyl acetate	µg/L			-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
	Methyl cyclohexane	µg/L			<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
	Methyl tert butyl ether	µg/L	10		4	13	11	32	37	39	30	31.1
	Methylene chloride	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
	o-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
	p/m-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
	Styrene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Tetrachloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Toluene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
	trans-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
	trans-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
	Trichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Trichlorofluoromethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
	Vinyl chloride	µg/L	2		<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U	<0.26U

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method Name	Analyte	Units	Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020
			Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			TOGS 1.1.1									
General Chemistry	Alkalinity, Total	µg/L		446,000	186,000	83,400	96,800	484,000	586,000	-	625,000	<2000U
	Biological Oxygen Demand, Five day	µg/L		11,700	<5000U	<5000U	4300	<5000U	<5000U	-	9200	8400
	Chemical Oxygen Demand	µg/L		1,170,000	150,000	110,000	99,000	82,000	100,000	-	73,000	330,000
	Chloride	µg/L	250000	-	460,000	560,000	620,000	640,000	879,000	-	840,000	775,000
	Total Organic Carbon	µg/L		26,900	52,100	25,000	25,000	17,000	17,000	-	15,100	4800
	Total Organic Halogen	µg/L		-	47.4	50.5	36.9	42	19.6J	-	27	70.7J
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.045J	<0.0833U	0.084	<0.03U	<0.05U
	Aroclor 1248	µg/L		<0.05U	0.11	<0.083U	<0.014U	<0.014U	0.158	<0.038U	<0.038U	0.128
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	0.114	0.064J	<0.014U	0.083
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.044J	<0.029U	<0.029U	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	0.11	<0.083U	<0.012U	0.045	0.316	0.148J	<0.083U	0.211

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

Method_Name	Analyte	Units	Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			TOGS 1.1.1								
Total Metals	Aluminum, Total	µg/L		<180U	2380	589	242	8.24J	95.5	1960	21.2
	Antimony, Total	µg/L	3	<12U	3.01	0.9J	1.5J	3.31J	3.89J	3.97J	<4U
	Arsenic, Total	µg/L	25	25	11.91	3	3.7	7.57	4.06	21.22	1.98
	Barium, Total	µg/L	1000	56	126.4	125.7	129.2	68.44	80.6	183.8	79.67
	Beryllium, Total	µg/L	3	<4U	0.12J	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U
	Cadmium, Total	µg/L	5	<4U	1.56	0.5	0.2J	<0.05U	0.16J	3.94	<0.2U
	Calcium, Total	µg/L		210,000J	243,000	228,000	224,000	197,000	259,000	268,000	150,000
	Chromium, Total	µg/L	50	<50U	8.36	3.6	1.7J	4.89	0.79J	9.91	<1U
	Cobalt, Total	µg/L		<20U	3.84	2.4	1	1.08	0.96	7.43	0.56
	Copper, Total	µg/L	200	<50U	49.9	13.2	<0.3U	0.51J	3.69	78.3	1.49
	Iron, Total	µg/L	300	4000	16,400	4070	5740	3010	3300	6570	1850
	Lead, Total	µg/L	25	6	244.8	90.4	46	<1.71U	15.02	409.6	3.41
	Magnesium, Total	µg/L	35000	120,000J	147,000	156,000	306,000	174,000	170,000	214,000	180,000
	Manganese, Total	µg/L	300	950	1020	1060	768.1	449.9	531	508.6	268
	Mercury, Total	µg/L	0.7	<1U	6.02	0.93	0.29	<0.06U	<0.2U	3.18	<0.2U
	Nickel, Total	µg/L	100	<50U	26.93	14	6.8	11.62	8.52	46.22	3.85
	Potassium, Total	µg/L		73,000	75,300	72,500	115,000	84,000	91,400	106,000	78,900
	Selenium, Total	µg/L	10	<40U	0.77J	<5U	<1U	<1.73U	<5U	<1.73U	<5U
	Silver, Total	µg/L	50	<20U	0.17J	<0.4U	<0.1U	<0.16U	<0.4U	0.3J	<0.4U
	Sodium, Total	µg/L	20000	740,000J	1,140,000	1,030,000	3,020,000	1,800,000	1,470,000	2,210,000	1,800,000
	Thallium, Total	µg/L	0.5	<10U	0.06J	<0.5U	0.1J	<0.71U	<0.5U	0.16J	<0.5U
	Vanadium, Total	µg/L		<50U	12.03	4.2J	2J	<1.57U	<5U	15.84	<5U
	Zinc, Total	µg/L	2000	<50U	736.6	223.7	29.6	15.6	36.68	543.9	10.24
Dissolved Metals	Aluminum, Dissolved	µg/L		<180U	-	-	-	-	3.75J	3.29J	<10U
	Antimony, Dissolved	µg/L	3	<12U	-	-	-	-	1.75J	3.54J	<4U
	Arsenic, Dissolved	µg/L	25	10	-	-	-	-	0.98	1.58	1.32
	Barium, Dissolved	µg/L	1000	54	-	-	-	-	82.71	97.95	76.76
	Beryllium, Dissolved	µg/L	3	<4U	-	-	-	-	<0.5U	<0.1U	<0.5U
	Cadmium, Dissolved	µg/L	5	<4U	-	-	-	-	<0.2U	0.08J	<0.2U
	Calcium, Dissolved	µg/L		220,000J	-	-	-	-	249,000	194,000	158,000
	Chromium, Dissolved	µg/L	50	<50U	-	-	-	-	<1U	<0.17U	<1U
	Cobalt, Dissolved	µg/L		<20U	-	-	-	-	0.73	1.55	0.69
	Copper, Dissolved	µg/L	200	<50U	-	-	-	-	0.9J	0.71J	<1U
	Iron, Dissolved	µg/L	300	370	-	-	-	-	35J	168	<50U
	Lead, Dissolved	µg/L	25	4	-	-	-	-	<1U	2.71	<1U
	Magnesium, Dissolved	µg/L	35000	120,000J	-	-	-	-	160,000	216,000	200,000
	Manganese, Dissolved	µg/L	300	970	-	-	-	-	511.1	415.8	269
	Mercury, Dissolved	µg/L	0.7	<1U	-	-	-	-	<0.2U	<0.09U	<0.2U
	Nickel, Dissolved	µg/L	100	<50U	-	-	-	-	5.02	10.96	3.96
	Potassium, Dissolved	µg/L		77,000	-	-	-	-	89,000	79,800	79,300
	Selenium, Dissolved	µg/L	10	<40U	-	-	-	-	<5U	<1.73U	<5U
	Silver, Dissolved	µg/L	50	<20U	-	-	-	-	<0.4U	<0.16U	<0.4U
	Sodium, Dissolved	µg/L	20000	760,000J	-	-	-	-	1,540,000	1,980,000	1,980,000
	Thallium, Dissolved	µg/L	0.5	<10U	-	-	-	-	<0.5U	0.18J	<0.5U
	Vanadium, Dissolved	µg/L		<50U	-	-	-	-	<5U	<1.57U	<5U
	Zinc, Dissolved	µg/L	2000	<50U	-	-	-	-	7.43J	54.04	<10U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

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J - Indicates an estimated value

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Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
Method_ Name	Analyte	Units	TOGS 1.1.1								
VOCs	1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
	1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
	1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
	1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
	1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
	1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
	1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
	1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
	2-butanone	µg/L	50	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
	2-hexanone	µg/L	50	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
	Acetone	µg/L	50	<10U	2.2J	<5U	<1.5U	<1.5U	2.2J	<1.5U	<0.9U
	Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
	Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
	Bromoform	µg/L	50	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
	Bromomethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
	Carbon disulfide	µg/L	60	<1U	<5U	3.5J	<1U	<1U	<5U	<1U	<0.44U
	Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
	Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
	Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
	Dibromochloromethane	µg/L	50	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
	Dichlorodifluoromethane	µg/L	5	<1UJ	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
	Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<20U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
	Methyl tert butyl ether	µg/L	10	16	9.3	10	5.8	7.9	12	<0.7U	9.93
	Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
	o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
	p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
	Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
	trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
	trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
	Trichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
	Vinyl chloride	µg/L	2	<1U	<1U	<1U	<0.07U	<0.07U	<1U	0.63J	<0.26U

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method_Name	Analyte	Units	Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020
			Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			TOGS 1.1.1									
General Chemistry	Alkalinity, Total	µg/L		637,000	387,000	455,000	370,000	377,000	421,000	-	376,000	<2000U
	Biological Oxygen Demand, Five day	µg/L		21,000	13,000	7400	<40,000U	<2000U	<5000U	-	11,000	<5000U
	Chemical Oxygen Demand	µg/L		324,000	220,000	260,000	150,000	73,000	51,000	-	280,000	120,000
	Chloride	µg/L	250000	-	1,400,000	1,900,000	4,600,000	3,100,000	3,400,000	-	3,940,000	3,170,000
	Total Organic Carbon	µg/L		18,800	23,200	13,000	6200	9000	13,900	-	2060	5100
	Total Organic Halogen	µg/L		-	66.5	41.4	72.2	81.1	80.3	-	52.4	101J
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U	0.12	<0.05U
	Aroclor 1248	µg/L		<0.05U	0.195	0.216	<0.014U	<0.014U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1254	µg/L		<0.05U	0.17	0.153	<0.022U	<0.022U	<0.0833U	<0.014U	0.091	<0.05U
	Aroclor 1260	µg/L		<0.05U	0.084	0.103	<0.023U	<0.023U	<0.0833U	<0.029U	0.096	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	0.449	0.472	<0.012U	<0.014	<0.0833U	<0.038U	0.307J	<0.05U

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Summary of Groundwater Sample Laboratory Analytical Results

Method_Name	Analyte	Units	Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
			TOGS 1.1.1								
Total Metals	Aluminum, Total	µg/L		<180U	137	330	191	449	1230	488	38,000
	Antimony, Total	µg/L	3	<12U	3.09	1.4J	1.1J	1.95J	4.92	1.89J	37.71
	Arsenic, Total	µg/L	25	14	7.55	3.2	4.5	14.06	10.44	4.96	167.7
	Barium, Total	µg/L	1000	140	104.8	156	166.5	145.5	217.1	174	898.7
	Beryllium, Total	µg/L	3	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U	2.85
	Cadmium, Total	µg/L	5	<4U	0.93	0.2	0.8	1.45	0.59	0.21	7.26
	Calcium, Total	µg/L		360,000J	292,000	285,000	280,000	286,000	340,000	287,000	445,000
	Chromium, Total	µg/L	50	<50U	3.97	2.1	1.2J	3.44	3.75	2.38	85.98
	Cobalt, Total	µg/L		<20U	4.53	1.3	1.4	2.15	2.92	1.27	41.8
	Copper, Total	µg/L	200	<50U	3.64	4.9	7.1	11.45	28.28	8.84	656.4
	Iron, Total	µg/L	300	650	5820	1270	1870	5550	6000	2260	112,000
	Lead, Total	µg/L	25	10	9.28	17.4	15.1	25.67	92.14	38.15	2312
	Magnesium, Total	µg/L	35000	47,000J	46,300	52,500	57,400	40,000	49,000	40,200	50,300
	Manganese, Total	µg/L	300	640	1526	757.3	952.6	1118	1165	729.6	2856
	Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	<0.06U	<0.2U	<0.09U	4.31
	Nickel, Total	µg/L	100	<50U	22.81	8	9.4	11.82	11.23	5.71	140.7
	Potassium, Total	µg/L		66,000	61,100	54,200	60,800	49,900	61,000	63,300	62,400
	Selenium, Total	µg/L	10	<40U	0.51J	<5U	<1U	<1.73U	<5U	<1.73U	<25U
	Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	<0.16U	<2U
	Sodium, Total	µg/L	20000	410,000J	385,000	393,000	470,000	408,000	490,000	593,000	506,000
	Thallium, Total	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U	<2.5U
	Vanadium, Total	µg/L		<50U	2.66J	3.1J	2J	4.95J	6.45	3.53J	155.1
	Zinc, Total	µg/L	2000	<50U	819.6	121.7	98.3	177	157.5	40.84	3089
Dissolved Metals	Aluminum, Dissolved	µg/L		<180U	-	-	-	-	9.72J	<6.54U	24.2
	Antimony, Dissolved	µg/L	3	<12U	-	-	-	-	3.82J	3.64J	<4U
	Arsenic, Dissolved	µg/L	25	10	-	-	-	-	5.05	5.97	9.38
	Barium, Dissolved	µg/L	1000	130	-	-	-	-	159.1	114.8	94.96
	Beryllium, Dissolved	µg/L	3	<4U	-	-	-	-	<0.5U	<0.21U	<0.5U
	Cadmium, Dissolved	µg/L	5	<4U	-	-	-	-	<0.2U	<0.11U	<0.2U
	Calcium, Dissolved	µg/L		340,000J	-	-	-	-	363,000	262,000	240,000
	Chromium, Dissolved	µg/L	50	<50U	-	-	-	-	0.43J	<0.35U	<1U
	Cobalt, Dissolved	µg/L		<20U	-	-	-	-	1.25	1.22	1.75
	Copper, Dissolved	µg/L	200	<50U	-	-	-	-	1.98	<0.76U	1.67
	Iron, Dissolved	µg/L	300	370	-	-	-	-	79.9	138	138
	Lead, Dissolved	µg/L	25	5	-	-	-	-	0.76J	<0.68U	3.5
	Magnesium, Dissolved	µg/L	35000	46,000J	-	-	-	-	43,000	39,600	34,200
	Manganese, Dissolved	µg/L	300	630	-	-	-	-	1155	868.6	656.7
	Mercury, Dissolved	µg/L	0.7	<1U	-	-	-	-	<0.2U	<0.09U	<0.2U
	Nickel, Dissolved	µg/L	100	<50U	-	-	-	-	6.44	6.6	10.23
	Potassium, Dissolved	µg/L		65,000	-	-	-	-	49,400	53,800	53,800
	Selenium, Dissolved	µg/L	10	<40U	-	-	-	-	<5U	<3.46U	<5U
	Silver, Dissolved	µg/L	50	<20U	-	-	-	-	<0.4U	<0.32U	<0.4U
	Sodium, Dissolved	µg/L	20000	400,000J	-	-	-	-	617,000	504,000	440,000
	Thallium, Dissolved	µg/L	0.5	<10U	-	-	-	-	0.23J	<0.28U	<0.5U
	Vanadium, Dissolved	µg/L		<50U	-	-	-	-	<5U	<3.14U	<5U
	Zinc, Dissolved	µg/L	2000	<50U	-	-	-	-	13.14	15.95J	33.09

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U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
Method_ Name	Analyte	Units	TOGS 1.1.1								
VOCs	1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
	1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
	1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
	1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
	1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
	1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
	1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
	1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
	2-butanone	µg/L	50	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
	2-hexanone	µg/L	50	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
	Acetone	µg/L	50	12	3.7J	<5U	2J	9.8	4.5J	3.5J	<0.9U
	Benzene	µg/L	1	1.1	<0.5U	0.34J	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
	Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
	Bromoform	µg/L	50	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
	Bromomethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
	Carbon disulfide	µg/L	60	<1U	<5U	<5U	<1U	<1U	<5U	6.7	<0.44U
	Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
	Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
	Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
	Dibromochloromethane	µg/L	50	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
	Dichlorodifluoromethane	µg/L	5	<1UJ	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
	Ethylbenzene	µg/L	5	1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
	Methyl tert butyl ether	µg/L	10	16	14	17	14	5	22	17	15.5
	Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
	o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
	p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
	Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Toluene	µg/L	5	4.4	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
	trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
	trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
	Trichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
	Vinyl chloride	µg/L	2	<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U	<0.26U

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method_Name	Analyte	Units	Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020
			Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
			TOGS 1.1.1									
General Chemistry	Alkalinity, Total	µg/L		530,000	560,000	807,000	718,000	492,000	569,000	-	534,000	<2000U
	Biological Oxygen Demand, Five day	µg/L		12,300	26,000	48,000	29,000	15,000	<10,000U	-	11,000	<10,000U
	Chemical Oxygen Demand	µg/L		994,000	320,000	180,000	580,000	71,000	95,000	-	73,000	690,000
	Chloride	µg/L	250000	-	620,000	660,000	780,000	980,000	1,170,000	-	1,080,000	778,000
	Total Organic Carbon	µg/L		24,000	35,100	21,000	22,000	16,000	15,800	-	15,600	3600
	Total Organic Halogen	µg/L		-	47.4	35.7	30.5	50.8	50.7	-	32.6	51.3J
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1242	µg/L		<0.05U	0.279	<0.083U	<0.014U	0.026J	<0.0833U	<0.03U	0.103	<0.05U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	0.075J	<0.038U	<0.038U	0.525
	Aroclor 1254	µg/L		<0.05U	0.187	<0.083U	0.022J	<0.022U	0.058J	<0.014U	0.044J	0.367
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.036J	<0.029U	<0.029U	0.128
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	0.466	<0.083U	0.022J	0.026	0.169J	<0.038U	0.147J	1.02

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

Method_Name	Analyte	Units	Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			TOGS 1.1.1								
Total Metals	Aluminum, Total	µg/L		<180U	2.89J	40	50	15.5	56.2	14,400	1080
	Antimony, Total	µg/L	3	<12U	0.52J	0.2J	0.3J	<0.42U	<4U	0.88J	<4U
	Arsenic, Total	µg/L	25	<8U	1.4	2.8	2.3	1.47	1.78	71.3	3.07
	Barium, Total	µg/L	1000	150	85.68	120.7	97.9	67.41	83.01	906.4	89.07
	Beryllium, Total	µg/L	3	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	2.04	<0.5U
	Cadmium, Total	µg/L	5	<4U	<0.2U	<0.2U	<0.1U	<0.05U	<0.2U	4.01	<0.2U
	Calcium, Total	µg/L		110,000	109,000	122,000	91,600	85,000	94,400	123,000	77,900
	Chromium, Total	µg/L	50	<50U	0.99J	7.7	7.3	4.01	12.18	4741	147.7
	Cobalt, Total	µg/L		<20U	1.15	1.5	1.3	1.82	2.65	47.81	2.62
	Copper, Total	µg/L	200	<50U	1.13J	1.9J	<0.3U	<0.38U	0.42J	193.4	5.64
	Iron, Total	µg/L	300	6400	3170	5040	4630	3750	5330	384,000	8690
	Lead, Total	µg/L	25	<4U	<1U	1.1	0.7J	0.39J	0.71J	620	14.32
	Magnesium, Total	µg/L	35000	7300	7040	10,300	8580	9690	15,700	22,500	13,100
	Manganese, Total	µg/L	300	830	823.6	913.5	801.4	1074	1957	5535	1703
	Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	0.11J	<0.06U	<0.2U	1.33	<0.2U
	Nickel, Total	µg/L	100	100	121.9	160	173.4	143.7	187.2	4745	265.7
	Potassium, Total	µg/L		13,000	9020	12,200	11,400	8360	8530	11,900	8870
	Selenium, Total	µg/L	10	<40U	<5U	<5U	<1U	<1.73U	<5U	13.2	<5U
	Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	0.52	<0.4U
	Sodium, Total	µg/L	20000	330,000J	153,000	186,000	138,000	81,800	58,200	74,400	57,000
	Thallium, Total	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	0.42J	<0.5U
	Vanadium, Total	µg/L		<50U	<5U	<5U	<0.6U	<1.57U	<5U	63.64	<5U
	Zinc, Total	µg/L	2000	<50U	9.03J	42.6	<2.6U	<3.41U	3.89J	507.5	20.66
Dissolved Metals	Aluminum, Dissolved	µg/L		<180U	68.3	-	4J	<3.27U	4.06J	4.34J	11
	Antimony, Dissolved	µg/L	3	<12U	0.75J	-	0.4J	<0.42U	<4U	0.87J	<4U
	Arsenic, Dissolved	µg/L	25	<8U	5.08	-	1.2	0.69	0.6	0.53	0.68
	Barium, Dissolved	µg/L	1000	150	119.3	-	80.8	64.71	76.08	86.61	70.83
	Beryllium, Dissolved	µg/L	3	<4U	<0.5U	-	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U
	Cadmium, Dissolved	µg/L	5	<4U	0.05J	-	<0.1U	<0.05U	<0.2U	<0.05U	<0.2U
	Calcium, Dissolved	µg/L		130,000	118,000	-	126,000	87,900	97,300	92,400	81,600
	Chromium, Dissolved	µg/L	50	<50U	23.34	-	3	0.69J	0.69J	1.12	1.85
	Cobalt, Dissolved	µg/L		<20U	1.28	-	1.6	1.85	2.6	2.45	1.55
	Copper, Dissolved	µg/L	200	<50U	1.31	-	<0.3U	<0.38U	0.77J	<0.38U	<1U
	Iron, Dissolved	µg/L	300	980	13,400	-	652	172	22.8J	81.4	120
	Lead, Dissolved	µg/L	25	<4U	2.24	-	<0.1U	<0.34U	<1U	<0.34U	<1U
	Magnesium, Dissolved	µg/L	35000	8500	8240	-	7540	9920	15,900	16,800	13,200
	Manganese, Dissolved	µg/L	300	950	853.8	-	1038	1130	1688	2298	1675
	Mercury, Dissolved	µg/L	0.7	<1U	<0.2U	-	<0.06U	<0.06U	<0.2U	<0.09U	<0.2U
	Nickel, Dissolved	µg/L	100	110	135.9	-	158	142.7	169.5	196.3	142.3
	Potassium, Dissolved	µg/L		15,000	10,400	-	10,200	9080	8570	8650	8930
	Selenium, Dissolved	µg/L	10	<40U	0.59J	-	<1U	<1.73U	<5U	<1.73U	<5U
	Silver, Dissolved	µg/L	50	<20U	0.13J	-	<0.1U	<0.16U	<0.4U	<0.16U	<0.4U
	Sodium, Dissolved	µg/L	20000	380,000J	175,000	-	185,000	84,800	63,400	63,000	59,400
	Thallium, Dissolved	µg/L	0.5	<10U	<0.5U	-	<0.1U	<0.14U	<0.5U	<0.14U	<0.5U
	Vanadium, Dissolved	µg/L		<50U	0.54J	-	<0.6U	<1.57U	<5U	<1.57U	<5U
	Zinc, Dissolved	µg/L	2000	<50U	6.31J	-	<2.6U	<3.41U	<10U	<3.41U	<10U

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Table 3
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			Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
Method_ Name	Analyte	Units	TOGS 1.1.1								
VOCs	1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
	1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
	1,1-dichloroethane	µg/L	5	<1U	0.75J	1.1J	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	0.22J	0.24J	<0.17U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
	1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
	1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
	1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
	2-butanone	µg/L	50	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
	2-hexanone	µg/L	50	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
	Acetone	µg/L	50	<10U	1.6J	<5U	<1.5U	<1.5U	<5U	2.3J	<0.9U
	Benzene	µg/L	1	0.2	2.3	4	0.66	0.54	0.36J	<0.16U	0.7J
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
	Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
	Bromoform	µg/L	50	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
	Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
	Carbon disulfide	µg/L	60	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.44U
	Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
	Chlorobenzene	µg/L	5	1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
	Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	cis-1,2-dichloroethene	µg/L	5	1.2	16	6.1	17	52	76	42	12.8
	cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
	Dibromochloromethane	µg/L	50	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
	Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
	Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	Isopropylbenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
	Methyl tert butyl ether	µg/L	10	<0.5U	<2.5U	<2.5U	<0.7U	<0.7U	24	3.4	<0.26U
	Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
	o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
	p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
	Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Tetrachloroethene	µg/L	5	<1U	2.2	0.52	1.8	11	5.2	0.86	<0.36U
	Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
	trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	0.78J	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
	trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
	Trichloroethene	µg/L	5	1.4J	9.1	2.2	4.8	20	14	3.2	0.55J
	Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
	Vinyl chloride	µg/L	2	2.7	5.5	5.6	12	8	5.6	3.6	<0.26U

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Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method Name	Analyte	Units	Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			TOGS 1.1.1								
General Chemistry	Alkalinity, Total	µg/L		291,000	330,000	323,000	319,000	265,000	238,000	259,000	<2000U
	Biological Oxygen Demand, Five day	µg/L		10,300	14,000	3300	<2000U	<2000U	<2000U	13,000	<2000U
	Chemical Oxygen Demand	µg/L		199,000	35,000	19,000J	37,000	4100J	<10,000U	280,000	26,000
	Chloride	µg/L	250000	-	250,000	240,000	170,000	91,000	108,000	120,000	81,600
	Total Organic Carbon	µg/L		5200	6440	3900	4000	2700	3940	2770	2200
	Total Organic Halogen	µg/L		-	50.4	27.9	26.3	63.6	74.8	61.9	28.1J
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U	<0.05U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.038U	<0.05U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	<0.0833U	<0.014U	<0.05U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.029U	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	<0.012U	<0.014	<0.0833U	<0.083U	<0.05U

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

Method_Name	Analyte	Units	Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
			TOGS 1.1.1								
Total Metals	Aluminum, Total	µg/L		220	230	39	2310	9.3J	15.1	1090	533
	Antimony, Total	µg/L	3	<12U	0.5J	0.7J	0.4J	<0.42U	<4U	<0.42U	<4U
	Arsenic, Total	µg/L	25	<8U	0.39J	0.7	0.8	0.33J	<0.5U	3.26	0.56
	Barium, Total	µg/L	1000	270	376.1	464.6	707.2	1023	803.5	815.1	479.4
	Beryllium, Total	µg/L	3	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U
	Cadmium, Total	µg/L	5	<4U	0.65	<0.2U	1.1	0.27	0.28	4.72	0.27
	Calcium, Total	µg/L		150,000	221,000	280,000	302,000	466,000	445,000	280,000	256,000
	Chromium, Total	µg/L	50	<50U	1.29	2.4	7	1.26	<1U	5.17	1.96
	Cobalt, Total	µg/L		<20U	0.21	0.2J	1.5	0.17J	<0.5U	1.21	<0.5U
	Copper, Total	µg/L	200	<50U	1.36J	1.9J	<0.3U	0.5J	<1U	10.64	2.1
	Iron, Total	µg/L	300	13,000	25,800	29,700	54,300	36,600	17,500	117,000	18,600
	Lead, Total	µg/L	25	7.8	2.72	0.9J	11.7	<1.71U	<1U	15.6	2.78
	Magnesium, Total	µg/L	35000	7700	10,000	17,400	17,300	23,300	27,700	19,100	16,800
	Manganese, Total	µg/L	300	780	1180	1368	1654	1559	901.3	577.7	627.7
	Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	<0.06U	<0.2U	<0.09U	<0.2U
	Nickel, Total	µg/L	100	<50U	0.93	1.9	5.1	1.98J	<2U	3.13	4.31
	Potassium, Total	µg/L		18,000	15,900	22,600	26,100	32,700	31,600	24,400	25,100
	Selenium, Total	µg/L	10	<40U	<5U	<5U	<1U	<1.73U	<5U	<1.73U	<5U
	Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	<0.16U	<0.4U
	Sodium, Total	µg/L	20000	420,000J	504,000	519,000	731,000	1,350,000	1,020,000	568,000	673,000
	Thallium, Total	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	<0.71U	<0.5U	<0.14U	<0.5U
	Vanadium, Total	µg/L		<50U	2.15J	<5U	8.3	<1.57U	<5U	7.25	<5U
	Zinc, Total	µg/L	2000	<50U	6.77J	30	8.2J	<3.41U	<10U	60.33	<10U
Dissolved Metals	Aluminum, Dissolved	µg/L		<180U	3.95J	-	3J	<16.4U	4.28J	<3.27U	17.9
	Antimony, Dissolved	µg/L	3	<12U	0.19J	-	0.6J	<2.14U	<4U	0.79J	<4U
	Arsenic, Dissolved	µg/L	25	<8U	0.89	-	<0.1U	<0.82U	<0.5U	<0.16U	<0.5U
	Barium, Dissolved	µg/L	1000	200	366.9	-	658.2	910.4	694.3	359	383.3
	Beryllium, Dissolved	µg/L	3	<4U	<0.5U	-	<0.2U	<0.53U	<0.5U	<0.1U	<0.5U
	Cadmium, Dissolved	µg/L	5	<4U	<0.2U	-	<0.1U	<0.29U	0.09J	0.97	<0.2U
	Calcium, Dissolved	µg/L		160,000	217,000	-	358,000	455,000	419,000	243,000	243,000
	Chromium, Dissolved	µg/L	50	<50U	1.56	-	1.6J	<0.89U	<1U	<0.17U	<1U
	Cobalt, Dissolved	µg/L		<20U	0.33J	-	<0.1U	<0.81U	<0.5U	0.29J	<0.5U
	Copper, Dissolved	µg/L	200	<50U	0.68J	-	<0.3U	<1.92U	1.1	0.4J	1.52
	Iron, Dissolved	µg/L	300	1200	19,400	-	26,500	19,200	43J	101	55.3
	Lead, Dissolved	µg/L	25	<4U	<1U	-	<0.1U	<1.71U	<1U	<0.34U	<1U
	Magnesium, Dissolved	µg/L	35000	8200	11,600	-	17,900	24,300	24,900	18,000	16,300
	Manganese, Dissolved	µg/L	300	810	971.8	-	1939	1551	744.6	361.7	522.6
	Mercury, Dissolved	µg/L	0.7	<1U	<0.2U	-	<0.06U	<0.06U	<0.2U	<0.09U	<0.2U
	Nickel, Dissolved	µg/L	100	<50U	3.29	-	5	<2.78U	1.44J	1J	<2U
	Potassium, Dissolved	µg/L		19,000	17,800	-	25,500	33,600	29,500	21,200	23,300
	Selenium, Dissolved	µg/L	10	<40U	1.08J	-	<1U	<8.65U	<5U	<1.73U	<5U
	Silver, Dissolved	µg/L	50	<20U	<0.4U	-	<0.1U	<0.81U	<0.4U	<0.16U	<0.4U
	Sodium, Dissolved	µg/L	20000	450,000J	500,000	-	866,000	1,320,000	1,060,000	558,000	666,000
	Thallium, Dissolved	µg/L	0.5	<10U	<0.5U	-	<0.1U	<0.71U	<0.5U	<0.14U	<0.5U
	Vanadium, Dissolved	µg/L		<50U	0.48J	-	<0.6U	<7.85U	<5U	<1.57U	<5U
	Zinc, Dissolved	µg/L	2000	<50U	3.82J	-	<2.6U	<17.05U	3.79J	15.21	<10U

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Summary of Groundwater Sample Laboratory Analytical Results

Method_ Name	Analyte	Units	TOGS 1.1.1	Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
				Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
VOCs	1,1,1-trichloroethane	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	5		<1UJ	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
	1,1,2-trichloroethane	µg/L	1		<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
	1,1-dichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	1,1-dichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
	1,2,3-trichlorobenzene	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
	1,2,4-trichlorobenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
	1,2-dibromoethane	µg/L	5		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
	1,2-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
	1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
	1,3-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
	1,4-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
	1,4-dioxane	µg/L			-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
	2-butanone	µg/L	50		<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
	2-hexanone	µg/L	50		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
	4-methyl-2-pentanone	µg/L			<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
	Acetone	µg/L	50		<10U	1.4J	<5U	<1.5U	<1.5U	<5U	<1.5U	<0.9U
	Benzene	µg/L	1		<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
	Bromochloromethane	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
	Bromodichloromethane	µg/L	5		<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
	Bromoform	µg/L	50		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
	Bromomethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
	Carbon disulfide	µg/L	60		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.44U
	Carbon tetrachloride	µg/L	5		<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
	Chlorobenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Chloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
	Chloroform	µg/L	7		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	Chloromethane	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	cis-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	cis-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
	Cyclohexane	µg/L			<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
	Dibromochloromethane	µg/L	50		<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
	Dichlorodifluoromethane	µg/L	5		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
	Ethylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	Isopropylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
	Methyl acetate	µg/L			-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
	Methyl cyclohexane	µg/L			<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
	Methyl tert butyl ether	µg/L	10		<0.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.26U
	Methylene chloride	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
	o-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
	p/m-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
	Styrene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Tetrachloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Toluene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
	trans-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
	trans-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
	Trichloroethene	µg/L	5		<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Trichlorofluoromethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
	Vinyl chloride	µg/L	2		<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U	<0.26U

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method_Name	Analyte	Units	Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
			TOGS 1.1.1								
General Chemistry	Alkalinity, Total	µg/L		613,000	575,000	564,000	521,000	505,000	453,000	429,000	<2000U
	Biological Oxygen Demand, Five day	µg/L		<6000U	3400	<2000U	<2000U	2800	<2000U	<2000U	<2000U
	Chemical Oxygen Demand	µg/L		359,000	49,000	42,000	56,000	55,000	29,000	35,000	22,000
	Chloride	µg/L	250000	-	740,000	940,000	1,400,000	2,300,000	2,240,000	1,040,000	1,230,000
	Total Organic Carbon	µg/L		5500	7620	2200	1600	1000	3690J	1550	<2000U
	Total Organic Halogen	µg/L		-	40.5	62.1	11.9J	40.8	46.2	111	51J
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.02U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.028U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.058U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.045U	<0.05U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.057U	<0.05U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	<0.0833U	<0.021U	<0.05U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.043U	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	<0.012U	<0.014	<0.0833U	<0.083U	<0.05U

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

Method Name	Analyte	Units	Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1	MW-2R
			TOGS 1.1.1							
Total Metals	Aluminum, Total	µg/L		1700J	4070	1660	1110	16.9	272	358
	Antimony, Total	µg/L	3	<12U	4.21	2.4	0.8J	<0.42U	<4U	0.47J
	Arsenic, Total	µg/L	25	<8U	19.91	8.5	2.7	1.4	1.77	4.43
	Barium, Total	µg/L	1000	160	167.5	224.5	225.3	277.4	192.2	366.9
	Beryllium, Total	µg/L	3	<4U	0.21J	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U
	Cadmium, Total	µg/L	5	<4U	2.45	0.1J	0.4	0.08J	0.22	<0.05U
	Calcium, Total	µg/L		280,000	240,000	84,900	181,000	256,000	160,000	95,400
	Chromium, Total	µg/L	50	<50U	14.57	10.1	18.8	2.73	5.81	1.94
	Cobalt, Total	µg/L		<20U	6.66	2.3	2	1.36	1.51	0.38J
	Copper, Total	µg/L	200	<50U	88.29	26.2	18.3	<0.38U	7.73	4.86
	Iron, Total	µg/L	300	9000J	30,600	24,000	7430	3690	4730	18,900
	Lead, Total	µg/L	25	49J	375.6	165.3	76.1	0.83J	17.16	22.73
	Magnesium, Total	µg/L	35000	120,000	137,000	33,800	31,500	39,900	28,500	44,300
	Manganese, Total	µg/L	300	790	1016	624.2	2788	2707	1841	984.3
	Mercury, Total	µg/L	0.7	<1U	12.5	0.36	0.1J	<0.06U	<0.2U	<0.09U
	Nickel, Total	µg/L	100	<50U	45.52	6.1	20.4	7.27	9.07	0.65J
	Potassium, Total	µg/L		48,000	70,000	15,300	16,500	19,200	14,200	19,300
	Selenium, Total	µg/L	10	<40U	1.18J	<5U	<1U	<1.73U	<5U	<1.73U
	Silver, Total	µg/L	50	<20U	0.33J	<0.4U	0.1J	<0.16U	<0.4U	<0.16U
	Sodium, Total	µg/L	20000	660,000J	1,130,000	215,000	333,000	478,000	325,000	250,000
	Thallium, Total	µg/L	0.5	<10U	0.11J	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U
	Vanadium, Total	µg/L		<50U	22.13	7.6	4.1J	<1.57U	1.61J	1.68J
	Zinc, Total	µg/L	2000	76	1320	69.9	114.1	3.89J	31.44	6.78J
Dissolved Metals	Aluminum, Dissolved	µg/L		<180U	-	-	4J	-	6.66J	<3.27U
	Antimony, Dissolved	µg/L	3	<12U	-	-	0.7J	-	0.55J	0.93J
	Arsenic, Dissolved	µg/L	25	<8U	-	-	1	-	1.01	0.61
	Barium, Dissolved	µg/L	1000	160	-	-	213.5	-	180.8	272.9
	Beryllium, Dissolved	µg/L	3	<4U	-	-	<0.2U	-	<0.5U	<0.1U
	Cadmium, Dissolved	µg/L	5	<4U	-	-	<0.1U	-	<0.2U	<0.05U
	Calcium, Dissolved	µg/L		310,000	-	-	247,000	-	183,000	89,800
	Chromium, Dissolved	µg/L	50	<50U	-	-	3.3	-	0.97J	<0.17U
	Cobalt, Dissolved	µg/L		<20U	-	-	1.7	-	1.59	<0.16U
	Copper, Dissolved	µg/L	200	<50U	-	-	<0.3U	-	0.4J	<0.38U
	Iron, Dissolved	µg/L	300	750	-	-	2090	-	24.4J	1010
	Lead, Dissolved	µg/L	25	<4U	-	-	0.1J	-	<1U	<0.34U
	Magnesium, Dissolved	µg/L	35000	140,000	-	-	32,800	-	26,600	45,500
	Manganese, Dissolved	µg/L	300	860	-	-	3892	-	1726	930.6
	Mercury, Dissolved	µg/L	0.7	<1U	-	-	<0.06U	-	<0.2U	<0.09U
	Nickel, Dissolved	µg/L	100	<50U	-	-	14.6	-	8.42	0.73J
	Potassium, Dissolved	µg/L		54,000	-	-	16,800	-	15,800	18,200
	Selenium, Dissolved	µg/L	10	<40U	-	-	<1U	-	<5U	<1.73U
	Silver, Dissolved	µg/L	50	<20U	-	-	<0.1U	-	<0.4U	<0.16U
	Sodium, Dissolved	µg/L	20000	750,000J	-	-	470,000	-	425,000	230,000
	Thallium, Dissolved	µg/L	0.5	<10U	-	-	<0.1U	-	<0.5U	<0.14U
	Vanadium, Dissolved	µg/L		<50U	-	-	<0.6U	-	<5U	<1.57U
	Zinc, Dissolved	µg/L	2000	<50U	-	-	<2.6U	-	4.89J	<3.41U

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Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1	MW-2R	MW-2R
Method_ Name	Analyte	Units	TOGS 1.1.1								
VOCs	1,1,1-trichloroethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	5	<1UJ	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
	1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
	1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	0.7J	<2.5U	<0.7U	<0.36U
	1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
	1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
	1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
	1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
	2-butanone	µg/L	50	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
	2-hexanone	µg/L	50	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
	Acetone	µg/L	50	<10U	2.7J	<5U	<1.5U	<1.5U	<5U	<1.5U	<0.9U
	Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
	Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
	Bromoform	µg/L	50	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
	Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
	Carbon disulfide	µg/L	60	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.44U
	Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
	Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	0.86J	<0.7U	<2.5U	<0.7U	<0.42U
	Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
	Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.27U	<0.48U
	cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	1.7J	66	23	<0.7U	<0.3U
	cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
	Dibromochloromethane	µg/L	50	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
	Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
	Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
	Methyl tert butyl ether	µg/L	10	<0.5U	10	0.99J	5.5	4.8	83	<0.7U	<0.26U
	Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
	o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
	p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
	Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
	trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
	trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
	Trichloroethene	µg/L	5	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
	Vinyl chloride	µg/L	2		6.2	<1U	3.5	6.8	100	37	0.55J
											<0.26U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method_Name	Analyte	Units	Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020
			Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1	MW-1	MW-2R	MW-2R
			TOGS 1.1.1									
General Chemistry	Alkalinity, Total	µg/L		-	391,000	315,000	436,000	403,000	363,000	-	300,000	<2000U
	Biological Oxygen Demand, Five day	µg/L		-	23,000	<5000U	<10,000U	<2000U	3300	-	3100	3000
	Chemical Oxygen Demand	µg/L		-	230,000	80,000	44,000	27,000	24,000	-	44,000	16,000
	Chloride	µg/L	250000	-	1,300,000	350,000	560,000	840,000	737,000	-	472,000	508,000
	Total Organic Carbon	µg/L		-	22,700	3400	3400	1800	4250	-	1790	940
	Total Organic Halogen	µg/L		-	46.1	22	24.7	61.1	56.7	-	29.1	55.5J
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.061	<0.0833U	<0.03U	<0.03U	<0.05U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	0.41	<0.014U	0.218	<0.038U	<0.038U	<0.05U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	0.238	<0.022U	0.124	<0.014U	<0.014U	<0.05U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.031J	<0.029U	<0.029U	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	0.648	0.061	0.373	<0.038U	<0.083U	<0.05U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Appendices

Appendix A

Annual Inspection Form

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITENUMBER C224133

NAME OF INSPECTOR: ___Damian Vanetti___

COMPANY OF INSPECTOR: GHD Consulting Services, Inc. ___

DATE OF INSPECTION: ___ 11-12-20 ___

CURRENT USE OF THE SITE: ___ Vehicle staging and parking lot ___

HAS A CHANGE OF LAND-USE OCCURRED SINCE THE LAST INSPECTION?
___ YES X NO

IF YES, EXPLAIN HOW THE SITE HAS CHANGED: _____

IS THERE EVIDENCE OF LAND-USE OTHER THAN FOR INDUSTRIAL SINCE THE
LAST INSPECTION?
___ YES X NO

IF YES, EXPLAIN THE NON-INDUSTRIAL LAND USE: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST
INSPECTION? ___ YES X NO

IF YES, EXPLAIN HOW THE SITE HAS CHANGED: _____

GENERAL DESCRIPTION OF THE COVER: _____

Cover consist of asphalt paving with stone rip cover on the southern perimeter and soil/grass cover in landscape areas on south and east
perimeters.

HAS THE COVER BEEN COMPROMISED? X YES ___ NO

IF YES, EXPLAIN HOW THE COVER HAS CHANGED: _____

An isolated area on the south east corner where the concrete barricade blocks have shifted and the stone fill below is
eroding

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITENUMBER C224133

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?

____ YES X NO

IF YES, EXPLAIN HOW THE SITE COVER CONDITIONS CHANGED: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?

X YES _____ NO

IF YES, EXPLAIN WHAT MAINTAINENCE IS REQUIRED: _____

The asphalt pavement has surface cracks that should be maintained

The area on southeast corner where concrete barricades have shifted needs to be inspected and repaired as appropriate

ARE SIGNIFICANT EROSION RILLS OR CRACKING PRESENT?

____ YES X NO

IF YES, EXPLAIN WHERE EROSION RILLS OR CRACKING ARE PRESENT: _____

No significant cracking but surface cracks should be maintained

IS PONDING PRESENT?

X YES _____ NO

IF YES, EXPLAIN WHERE PONDING IS PRESENT AND THE ASSOCIATED DEPTH:

Minor isolated ponding of stormwater on the pavement surface

IS ANY SOIL WASTE MATERIAL EXPOSED?

____ YES X NO

IF YES, EXPLAIN WHERE SOIL WASTE MATERIAL ARE EXPOSED:

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITENUMBER C224133

IS THERE A VISABLE CHANGE IN THE DESIGNATED DRAINAGE PATTERN?

____ YES X NO

IF YES, EXPLAIN WHERE THE VISABLE CHANGE IN THE DESIGNATED DRAINAGE PATTERN ARE LOCATED: _____

IS SETTLEMENT OR SUBSIDNCE VISIBLE?

____ YES X NO

IF YES, EXPLAIN WHERE SETTLEMENT OR SUBSIDNCE VISIBLE IS LOCATED:

ARE SIGNIFICANT EROSION RILLS OR CRACKING PRESENT?

____ YES X NO

IF YES, EXPLAIN WHERE EROSION RILLS OR CRACKING ARE PRESENT: _____

ARE ALL GROUNDWATER MONITORING WELLS MAINTAINED PROPERLY AND IN GOOD PHYSICAL CONDITION?

X YES ____ NO

IF NO, EXPLAIN HOW THE GROUNDWATER MONITORING WELLS HAVE BEEN COMPROMISED:

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITENUMBER C224133

IS THERE ANY EVIDENCE THAT GROUNDWATER IS BEING USED FOR ANY PURPOSE?

 YES X NO

IF YES, EXPLAIN HOW GROUNDWATER IS BEING USED:

ADDITIONAL OBSERVATIONS, CONCLUSIONS, OR RECOMMENDATIONS:

Recommend the monitoring wells in the grassed areas on south east and south west corner be staked so they readily identified

Recommend south east corner area that has shifted and eroded be assessed and repaired

Recommend asphalt paving be maintained and cracks sealed

Recommend woody growth on south wall be removed

Recommend Oil/Water separator be inspected and cleaned out as needed

Purge water drum staged at south west corner should be checked and if full properly disposed of off-site

ANY CHANGES TO THE SITE OR REQUIRED MAINTENANCE SHOULD BE MARKED
IN THE CORRESPONDING LOCATIONS ON AN ATTACHED MAP

Appendix B

Approval Notification for EQUIS Database Submittal

From: dec.sm.NYENVDATA
To: [Ian McNamara](#)
Cc: [Post, Charles H \(DEC\)](#)
Subject: RE: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2020 Groundwater Monitoring EQUIS Submittal
Date: Thursday, October 22, 2020 4:59:51 PM
Attachments: [image005.png](#)
[image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)

Ian,

Thank you for your EDD submission. NYSDEC has successfully uploaded the data from the EDDs "20200805 1610.C224133.NYSDEC_MERGE" and "20200909 1132.C224133.NYSDEC_MERGE" to Frito Lay in the NYSDEC database and the data is available for use within the system.

Aaron
NYSDEC EIMS Team



From: Ian McNamara <Ian.McNamara@ghd.com>
Sent: Wednesday, September 09, 2020 11:35 AM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: Post, Charles H (DEC) <charles.post@dec.ny.gov>
Subject: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2020 Groundwater Monitoring EQUIS Submittal

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hello,

Attached are 2 EDDs for the 2020 annual sampling event completed at the above referenced site in July. One contains field parameters and water levels and one contains laboratory analytical results. Please let me know if edits are needed for a successful upload.

Thank you,

Ian

Ian McNamara
Geologist
Environment

GHD

Proudly employee owned

T: +315 802 0312 | M: +315 368 8432 | E: ian.mcnamara@ghd.com
5788 Widewaters Pkwy Syracuse NY 13214 USA | www.ghd.com

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about GHD

GHD is one of the world's leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings, and transportation. We provide engineering, environmental, and construction services to private and public sector clients.

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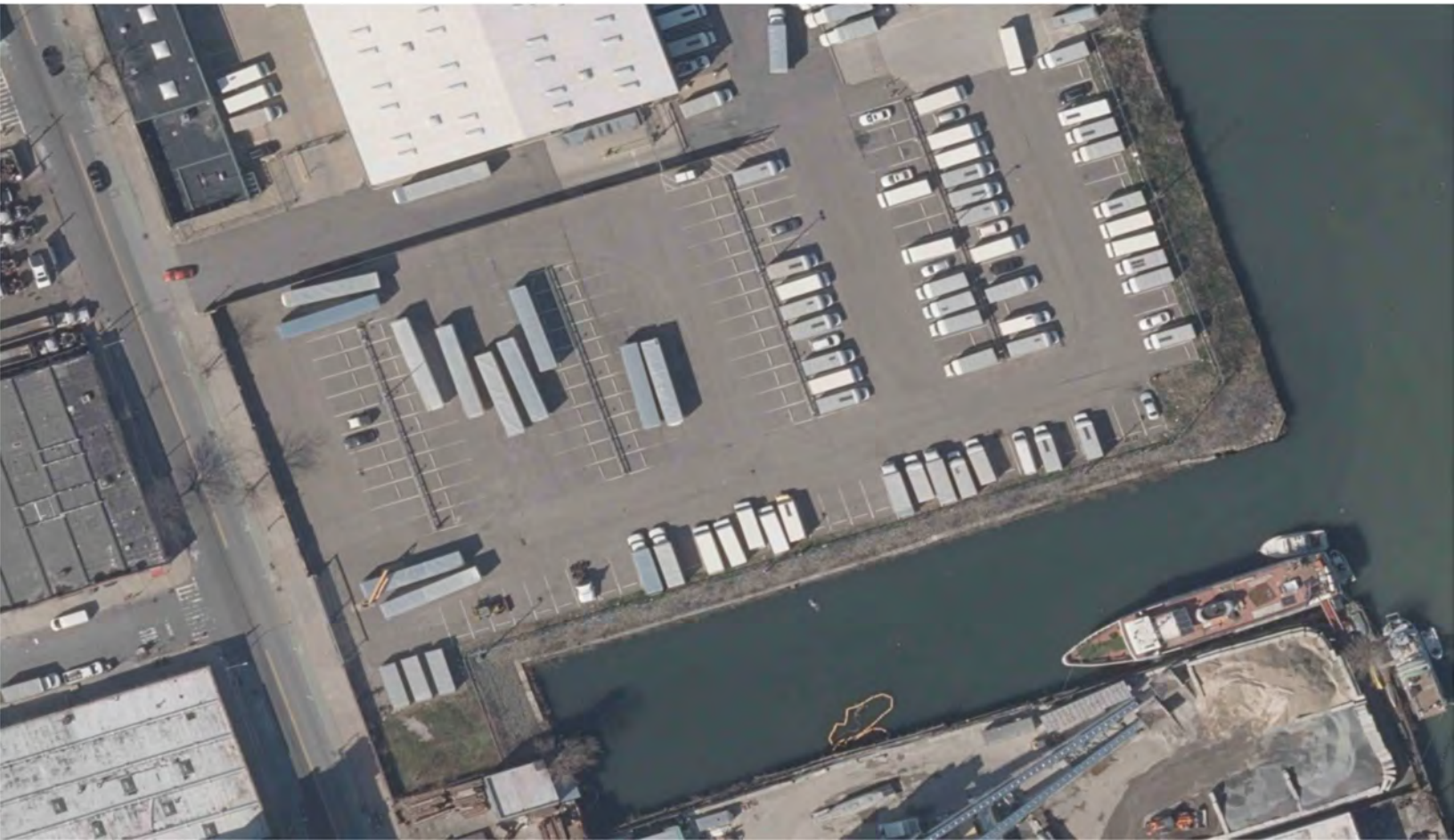
Periodic Review Report

**202-218 Morgan Avenue BCP Site
(#C224133) – November 22, 2020 to
November 22, 2021 Reporting Period**

Rolling Frito-Lay Sales, LP

January 05, 2022

➔ **The Power of Commitment**



GHD 337

5788 Widewaters Parkway

Syracuse, New York 13214, United States

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Printed date	1/5/2022 12:03:00 PM
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Author	Ian McNamara and Damian Vanetti
Project manager	Ian McNamara
Client name	Rolling Frito-Lay Sales, LP
Project name	Frito-Lay Brooklyn BCP
Document title	Periodic Review Report 202-218 Morgan Avenue BCP Site (#C224133) – November 22, 2020 to November 22, 2021 Reporting Period
Revision version	Rev [00]
Project number	8616480

Document status

Status Code	Revision	Author	Reviewer		Approved for issue		
			Name	Signature	Name	Signature	Date
S4	0	Ian McNamara	Ian McNamara		Damian Vanetti		1-5-2022
[Status code]							
[Status code]							
[Status code]							
[Status code]							

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



Site No. C224133

Site Details

Box 1

Site Name Frito Lay

Site Address: 202-218 Morgan Avenue Zip Code: 11237
City/Town: Brooklyn
County: Kings
Site Acreage: 2.8

Reporting Period: November 22, 2020 to November 22, 2021

- | | YES | NO |
|---|-------------------------------------|-------------------------------------|
| 1. Is the information above correct? | ☒ | ☐ |
| 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? | ☐ | ☒ |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | ☐ | ☒ |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | ☐ | ☒ |
| 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? | ☐ | ☒ |

Box 2

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

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

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

☐ ☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

☒ ☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C224133**Box 3****Description of Institutional Controls**

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
3-02942-0105	Rolling Frito Lay Sales, LP	Soil Management Plan Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan
A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP). The ICs are: Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns; All ECs must be operated and maintained as specified in the SMP; All ECs must be inspected at a frequency and in a manner defined in the SMP. Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP; Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP; All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP; Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are: The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed. The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC; All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP; The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use; The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;		

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0111

Rolling Frito Lay Sales, LP

Soil Management Plan
Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0112

Rolling Frito Lay Sales, LP

Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan
Soil Management Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Box 4

Description of Engineering Controls

Parcel

3-02942-0105

Engineering Control

Vapor Mitigation

Cover System

Subsurface Barriers

Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to

Parcel**Engineering Control**

discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0111

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0112

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards

Parcel

Engineering Control

or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

☒ ☐

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

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

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

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

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

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

YES NO

☒ ☐

**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. C224133

Box 6

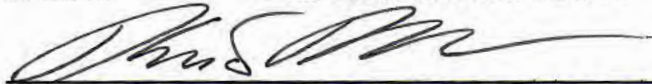
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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 Keith Massa at 7701 Legacy Drive, Plano, TX 75024-4099
print name print business address

am certifying as Owner (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

December 23, 2021
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

GHD Consulting Services Inc.

I Damian J. Vanetti at 5788 Widewaters Parkway, Syracuse, NY 13214,
print name print business address

am certifying as a Professional Engineer for the Owner
(Owner or Remedial Party)



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

Stamp
(Required for PE)

1-4-2022
Date

Executive summary

The 202-218 Morgan Avenue Brownfield Cleanup Program (BCP) Site (BCP Site #224133) consists of approximately 2.85-acres of land located at 202-218 Morgan Avenue, Borough of Brooklyn, Kings County, New York. The Site owner is Rolling Frito-Lay Sales, LP (Frito-Lay). The Site soil and groundwater was historically found to be contaminated with metals, polychlorinated biphenyls (PCBs), semi-volatile organic compounds (SVOCs), and volatile organic compounds (VOCs), and Site soil vapor was found to be contaminated with volatile organic compounds (VOCs). The Site was remediated to industrial use cleanup standards and received a Certificate of Completion (COC) from the New York State Department of Environmental Conservation (NYSDEC) on November 6, 2013.

The Site is currently in the monitoring stage, including annual inspections and annual groundwater monitoring, with groundwater samples being collected from on-Site and off-Site monitoring wells. In general, increasing, decreasing, and relatively stable concentrations are observed for the various parameters across the Site, with no distinct discernable trends recognizable at this time. The concentrations of detected compounds in Site groundwater samples do not indicate the need for further assessment or further action currently. It is noted that the Site groundwater quality could be influenced by the adjacent English Kills and/or upgradient groundwater for certain compounds.

The institutional controls and engineering controls for the Site remain in place and effective for protecting human health and the environment. The soil cover engineering controls remain in place and are functioning as intended. At the time of the annual Site inspection (November 17, 2021), it was noted that minor vegetation growth in the area around monitoring well MW-2R and woody vegetation in the stone rip-rap portion of the Site should be maintained and/or removed during regular maintenance. It was also observed that surface cracks were present in the asphalt pavement, and it was recommended that an evaluation of the asphalt pavement be completed to determine if repairs and/or maintenance were required. In addition, it was observed that the concrete barricades in a portion of the bulkhead have shifted and should be evaluated to determine if structural instability could be occurring and if any repairs are appropriate.

Annual groundwater monitoring has been completed in accordance with the Site Management Plan (SMP). There are no new buildings constructed on-Site and the existing warehouse on the adjacent property to the north has not been expanded. As a result, there is no requirement for a sub-slab depressurization system (SSDS) engineering control. The institutional and engineering controls certification form, as issued by the Department, has been completed and is included as Attachment 1 at the beginning of this report.

A revision to the SMP is being prepared to reflect changes in Frito Lay contacts and to update the format to the current NYSDEC template. There is no need to propose a change to the frequency of PRR submittals at this time.

Groundwater will continue to be monitored on an annual basis and Site inspections will continue to be performed on an annual basis, in accordance with the SMP. If buildings are constructed in the future, they will be evaluated to determine if mitigation of soil vapor intrusion is necessary. The requirements necessary to discontinue Site monitoring and Site Engineering and Institutional Controls have not been met at this time.

This report is subject to, and must be read in conjunction with, the limitations set out in the report and the assumptions and qualifications contained throughout the report.

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Appendices

Appendix A Annual Site-Wide Inspection Form
Appendix B NYSDEC EQulS Approval

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Attachment 1 – Institutional and Engineering Controls Certification Form (prior to Executive Summary)

1. Introduction

1.1 Purpose of this Report

This Periodic Review Report (PRR) is being submitted on behalf of Rolling Frito-Lay Sales, LP (Frito-Lay) for the 202-218 Morgan Avenue Brownfield Cleanup Program (BCP) Site (BCP Site No. C224133) located at 202-218 Morgan Avenue, Borough of Brooklyn, Kings County, New York (Figure 1). The purpose of this PRR, and attached documents, is to document that institutional and engineering controls, as described in the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP) and Environmental Easement (EE), are in place in accordance with 6NYCRR Part 375-3. The following elements are included in this report:

- A complete description of all institutional and/or engineering controls employed at the Site
- An evaluation of the plans developed for implementation of the engineering and institutional controls, regarding the continued effectiveness of any institutional and/or engineering controls required by the decision document for the Site
- A certification prepared by a professional engineer or qualified environmental professional that the institutional controls and/or engineering controls employed at the Site during the period are:
 - Unchanged from the previous certification, unless approved by the Department, consistent with the SMP
 - In place and effective
 - Performing as designed, and that nothing has occurred that would (1) impair the ability of the controls to protect public health and the environment, or (2) constitute a violation or failure to comply with any operation and maintenance plan for such controls
- The institutional and engineering controls certification form as issued by the Department has been completed and included at the beginning of this report
- Data tables and figures depicting results of annual groundwater monitoring activities conducted on- and off-Site.

1.2 Certification Period

NYSDEC requested that this PRR cover the period between November 22, 2020 and November 22, 2021. During this period, Frito-Lay performed periodic inspections of the soil cover engineering control on-Site. GHD Consulting Services Inc. (GHD), on behalf of Frito-Lay, performed annual groundwater monitoring, conducted an annual visual inspection of engineering controls on-Site, and prepared this PRR.

1.3 Scope and Limitations

This report has been prepared by GHD for Rolling Frito-Lay Sales, LP and may only be used and relied on by Rolling Frito-Lay Sales, LP for the purpose agreed between GHD and Rolling Frito-Lay Sales, LP as set out in this report.

GHD otherwise disclaims responsibility to any person other than Rolling Frito-Lay Sales, LP arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions, and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions, and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

The opinions, conclusions, and any recommendations in this report are based on information obtained from, and testing undertaken at or in connection with, specific sample points. Site conditions at other parts of the Site may be different from the Site conditions found at the specific sample points.

Investigations undertaken in respect of this report are constrained by the particular Site conditions, such as the location of buildings, services and vegetation. As a result, not all relevant Site features and conditions may have been identified in this report.

Site conditions (including the presence of hazardous substances and/or Site contamination) may change after the date of this Report. GHD does not accept responsibility arising from, or in connection with, any change to the Site conditions. GHD is also not responsible for updating this report if the Site conditions change.

GHD has prepared this report on the basis of information provided by Rolling Frito-Lay Sales, LP and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

2. Site Overview

The Site is in the Borough of Brooklyn, Kings County, New York and is identified as Block 2942 and Lots 105, 111, and 112 on the NYSDEC Institutional and Engineering Controls Certification Form. Information obtained from the New York City Finance Department Online Tax Maps identifies the Site as Block 2942 and Lot 105, with no matching records for Lots 111 and 112. The Site is approximately 2.85-acres that were entered into the BCP and Frito Lay owns a total of 3.23 acres at the location. The Site is bound by an adjacent parcel to the north owned by Rolling Frito-Lay Sales, LP and used for distribution activities; English Kills to the east; the English Kills basin and an adjacent industrial parcel to the south; and Morgan Avenue to the west with commercial and industrial properties farther west (see Figure 2).

The Site is currently developed with an asphalt pavement parking area used for parking Frito-Lay delivery vehicles and employee vehicles. The portion of the Site not occupied by asphalt pavement consists of minor grass covered landscaping areas and rip-rap adjacent to English Kills and the English Kills basin.

The Remedial Investigation (RI), which was conducted under Brownfield Cleanup Agreement (BCA Index #A2-0622-0709) during 2009 and 2010, characterized the nature and extent of contamination at the Site. The results of the RI, as reported in the *Revised Remedial Investigation Report* (Gannett Fleming, P.C., July 2010) and the *Supplemental Remedial Investigation and Second Supplemental Remedial Investigation Report* (Gannett Fleming, P.C., April 2011) determined that contaminants of concern (COCs) were present in Site soil, groundwater, and soil vapor. It was determined that Site surface and subsurface soils contained arsenic, lead, mercury, polychlorinated biphenyls (PCBs), and semi-volatile organic compounds (SVOCs) at concentrations that exceeded the Unrestricted Use Soil Cleanup Objectives (SCOs). Analytical results of Site groundwater samples identified arsenic, lead, and volatile organic compounds (VOCs) at concentrations that exceeded the Technical and Operational Guidance Series (TOGS) Class GA groundwater standards or guidance values. VOCs were also detected in Site soil vapor samples.

A Remedial Work Plan (RWP) was prepared by Gannett Fleming, P.C. (August 2011). The remedial goals for the Site included:

- removing or eliminating significant threats to human health and the environment
- protecting human health and the environment during the contemplated future use of the Site, which was identified as industrial in accordance with the BCA and DER-10.

The proposed remedial approach was to remediate the Site to a Track 4 Restricted Use by meeting the Industrial Use SCOs. This remediation approach included excavation of soil/fill exceeding Site-specific remedial action objectives (RAOs), excavation of soil/fill exceeding the Industrial Use SCOs, and implementation of engineering/institutional controls. Remedial activities were completed at the Site in February 2013. Soil/fill excavation included:

- the removal of approximately 16,513 tons of hazardous PCB soil (PCB concentrations in excess of 50 mg/kg)
- the removal of approximately 4,096 tons of non-hazardous PCB soil (PCB concentrations in excess of 10 mg/kg or 25 mg/kg, depending on the excavation area)
- the removal of approximately 619 tons of arsenic, lead, and mercury contaminated soil with concentrations exceeding the Protection of Groundwater and/or Industrial Use SCOs
- the placement of imported clean fill material back into the excavation areas.

Excavated soil/fill was transported for off-Site disposal. The PCB excavated soils that were identified as hazardous were reportedly managed in accordance with TSCA regulations.

The selected remedy for groundwater remediation was natural attenuation, based on the fact that VOC daughter products were present in several on-Site groundwater monitoring wells, which suggests that degradation is occurring and can be expected to continue over time. Also, sensitive receptors were not identified downgradient of the Site and the Site and surrounding area is serviced by a municipal water supply system.

The engineering controls for the Site consist of maintaining the soil cover system and requiring the installation of a sub-slab depressurization system (SSDS) in any new buildings constructed on-Site, or in future expansions added to the Frito-Lay warehouse located on the adjoining property to the north. The institutional controls include a Site groundwater use restriction, a Site use restriction restricting the use to industrial uses, and the requirement that a SSDS will be installed in any future buildings constructed on-Site or if the warehouse to the north is expanded.

An Environmental Easement (EE) for the Site was filed with the Kings County Clerk's Office on September 20, 2013. A Site Management Plan, which outlines Site restrictions and requirements of future maintenance and monitoring, was completed in September 2013. A Certificate of Completion allowing for industrial uses of the Site was received from the NYSDEC on November 6, 2013.

The reader of this PRR may refer to previous reports for more detail, as needed. These reports include:

- Subsurface Investigation, Gannett Fleming, P.C., 2003.
- Phase I Environmental Site Assessment, Gannett Fleming, P.C., 2006.
- Surface Pile Characterization Work Plan, Gannett Fleming, P.C., 2007.
- Phase II Environmental Site Assessment, Gannett Fleming, P.C., 2007.
- Remedial Investigation, Gannett Fleming, P.C., 2009.
- Supplemental Remedial Investigation, Gannett Fleming, P.C., 2010.
- Second Supplemental Remedial Investigation, Gannett Fleming, P.C., 2011.
- Remedial Work Plan, Gannett Fleming, P.C., 2011.
- Site Management Plan, Frito-Lay, Brooklyn, New York, NYSDEC Site Number: C224133, Gannett Fleming Engineers, P.C., September 2013.
- Final Engineering Report, Frito-Lay, Brooklyn, Kings County, New York, NYSDEC Site Number: C224133, Gannett Fleming Engineers, P.C., October 2013.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2017 – November 22, 2018, GHD Consulting Services Inc., January 7, 2019.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Post-Remediation Groundwater Monitoring – 2018 PCB Re-Sample, GHD Consulting Services Inc., March 7, 2019.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2018 – November 22, 2019, GHD Consulting Services Inc., January 15, 2020

- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Annual Post-Remediation Groundwater Monitoring – 2020, GHD Consulting Services Inc., November 9, 2020
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2019 – November 22, 2020, GHD Consulting Services Inc., January 18, 2021
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Annual Post-Remediation Groundwater Monitoring 2021, GHD Consulting Services Inc., October 15, 2021.

3. Institutional and Engineering Controls

Based on identified soil, groundwater, and soil vapor contamination, and the Site's past and present use, institutional and engineering controls are utilized at the Site to limit exposure risks. These institutional and engineering controls are described in the NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013) and summarized below. During this PRR period, the contacts for Frito Lay changed and the NYSDEC has requested that the SMP be updated to include the new contacts.

3.1 Institutional Controls

The institutional controls (ICs) for this Site are outlined in the SMP and adherence to these ICs is required by the EE. The ICs for the Site include the following:

- the property may only be used for industrial uses provided that the long-term engineering and institutional controls included in the NYSDEC-approved SMP are employed
- the property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and/or commercial use without additional remediation and amendment of the EE, as approved by the NYSDEC
- all future activities on the property that will disturb remaining contamination must be conducted in accordance with the NYSDEC-approved SMP
- the use of groundwater underlying the property is prohibited without treatment rendering it safe for intended use and prior approval by NYSDEC
- the potential for soil vapor intrusion must be evaluated for any buildings developed on the Site, or expansions added to the existing Frito-Lay warehouse to the north, and any potential impacts that are identified must be monitored and/or mitigated
- vegetable gardens and farming on the property are prohibited
- the Site owner or remedial party will submit to the NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and (2) nothing has occurred that impairs the ability of the controls to protect public health and the environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3.1.1 Site Use

The Site use has not changed since the NYSDEC issued the Certificate of Completion and is currently used for parking of Frito-Lay company/delivery and employee vehicles.

3.1.2 Groundwater

Groundwater is not being used at the Site.

Monitored natural attenuation groundwater monitoring was conducted (May 27, 2021) as outlined in the NYSDEC-approved SMP during this PRR reporting period. Laboratory analytical results were tabulated and submitted to the NYSDEC (GHD, October 15, 2021) and to the NYSDEC's EQUIS Database (submitted October 18, 2021 and approved December 14, 2021).

Results of groundwater monitoring did not warrant revision of the monitoring schedule or analytical list.

3.1.3 Excavations

No excavations occurred on-Site during this PRR's certification period.

3.2 Engineering Controls

The engineering controls (ECs) for this Site are outlined in the NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013), and are described in the following sections.

3.2.1 Asphalt and Soil (Engineered) Cover Systems

Direct contact with soil/fill at the Site is mitigated by an engineered cover system in place over the entirety of the Site. This cover system is comprised of a minimum of 6 inches of asphalt pavement or a minimum of 1-foot of clean soil/fill, consisting of maintained landscape areas or rip rap. The location of the cover system is depicted in Figure 3.

The cover system was in place for the duration of this certification period and no maintenance was required to amend the cover system. At the time of the annual Site inspection (November 17, 2021), it was noted that surface cracks were present in the asphalt pavement, and it was recommended that an evaluation of the asphalt pavement be completed to determine if repairs and/or maintenance were required. The remainder of the cover system was in good repair; however, woody vegetation was observed along the bulkhead to the south and several of the concrete barricades in an isolated area of the bulkhead were shifted. It was recommended to remove the woody vegetation and assess the concrete barriers to ascertain if there were any structural concerns that require action. Both conditions should be assessed and monitored to determine if further action is needed. At the time of the annual inspection, the cover system was in place and functioning as intended.

Additional information can be found in the Institutional and Engineering Controls Certification Form (beginning of this report) and the Annual Inspection Form (Appendix A).

3.2.2 Chain Linked Fence

To prevent unauthorized access to the Site, a 10-foot high chain linked fence was installed along the eastern, western, and southern boundaries. Access to the Site from the northern boundary is controlled by the adjacent property, which is also owned by Frito-Lay.

The chain linked fence was in good condition at the time of the annual Site inspection (November 17, 2021) and appeared to be effective in controlling unauthorized access to the Site.

3.2.3 Sub-Slab Depressurization System

A SSDS will be required to be installed in any new buildings constructed on the Site or if the Frito-Lay owned warehouse on the adjacent property to the north is expanded or renovated.

At the time of the annual Site inspection (November 17, 2021) no new buildings had been constructed on the Site and the adjacent warehouse to the north had not been expanded. Therefore, no SSDS is required at this time.

4. Operations and Monitoring

The NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013) requires annual groundwater monitoring and reporting. The annual monitoring is intended to assess the performance of the remedy and overall reduction in contamination on-Site. The annual groundwater monitoring was completed in accordance with the SMP on May 27, 2021 (Figures 4, 5, 6, and 7 and Tables 1, 2, and 3). The laboratory sample results were transmitted to the NYSDEC in the Annual Post-Remediation Groundwater Monitoring letter report (GHD, October 15, 2021) and were also successfully uploaded into the NYSDEC's EQuIS Database on December 14, 2021 (Appendix B). Table 3 summarizes laboratory analytical results of groundwater samples taken since remediation was completed at the Site. The groundwater results are compared to Class GA groundwater quality standards or guidance values from the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1, June 1998 and subsequent addenda).

Overall, the number of contaminants detected above groundwater standards are limited as noted in the tables and figures. In general, since post-remediation baseline samples were taken, concentrations of analytes detected in Site groundwater samples have increased, decreased, and remained generally stable, with no consistent Site-wide trends recognizable at this time. Off-Site groundwater monitoring well MW-7 historically appeared to have a generally increasing trend in concentrations of chlorinated VOCs, with concentrations of trichloroethene, cis-1,2-dichloroethene, and vinyl chloride having historically been detected at concentrations above groundwater standards in samples taken from MW-7. More recent monitoring events have identified decreasing trends in concentrations of these analytes; and during the 2021 monitoring event DCE was the only analyzed for VOC detected above Class GA standards in the sample taken from MW-7. In addition, the concentrations of barium in off-Site groundwater monitoring well MW-8 historically appeared to have a slightly increasing trend; however, more recent monitoring events indicate a decreasing trend and concentrations have been below Class GA standards since the isolated exceedance identified during the May 2017 monitoring event. The detected contaminants in MW-7 and MW-8 are likely related to an off-Site source as these monitoring wells are upgradient of the Site and the contaminants detected are at higher concentrations than detected in samples taken from monitoring wells located on the Site. Based on available information to date, there are no clear discernable trends in PCB concentrations in samples taken from on-Site groundwater monitoring wells. Data will continue to be evaluated for discernable trends, if any, as more data becomes available.

It is noted that the Site groundwater quality could be influenced by the tidal water dynamics and the brackish condition of the adjacent English Kills for certain compounds.

Based on the groundwater data received to date, the qualitative exposure assessment assumptions regarding on-Site and off-Site contamination have not changed and are still valid. As future groundwater monitoring events occur, the data will be reviewed to determine if any compound-specific or Site-wide trends (decreasing or increasing) can be identified.

5. Recommendations

Based on a review of the annual groundwater data, it is recommended that the ICs and ECs currently in place for the Site remain in place in order to ensure the continued effectiveness and protectiveness of the remedy. The trends in groundwater quality associated with the off-Site monitoring wells MW-7 and MW-8 should continue to be assessed for potential impacts to Site groundwater quality. Groundwater monitoring should continue to be conducted on an annual basis, as identified in the SMP. The groundwater monitoring results should be reviewed following the May 2022 monitoring event and recommendations to alter future monitoring requirements, if any, should be reviewed with the NYSDEC.

Based on the 2021 annual inspection observations, the following items were noted:

1. The surface cracks in the asphalt pavement should be assessed to determine if they are progressing to the point that influences the amount of stormwater infiltration into the subsurface or could compromise the engineering control. In general, the asphalt pavement should be maintained, and cracks sealed as part of the Site maintenance program.
2. Vegetation growth around monitoring wells MW-2R and MW-5 should be periodically maintained to allow for clear access to the well.
3. The woody growth along the perimeter rip-rap should be periodically removed to control potential impacts to the cover system.
4. The concrete barricades comprising an isolated portion of the bulkhead at the southeast corner of the Site and the underlying stone should be evaluated to determine if the observed shifting of individual barricades is a result of or could lead to structural instability. The evaluation should identify any recommended actions to maintain the integrity of the bulkhead and cover system.
5. The staged drums of purge water should be removed for proper off-site disposal at a properly permitted facility.

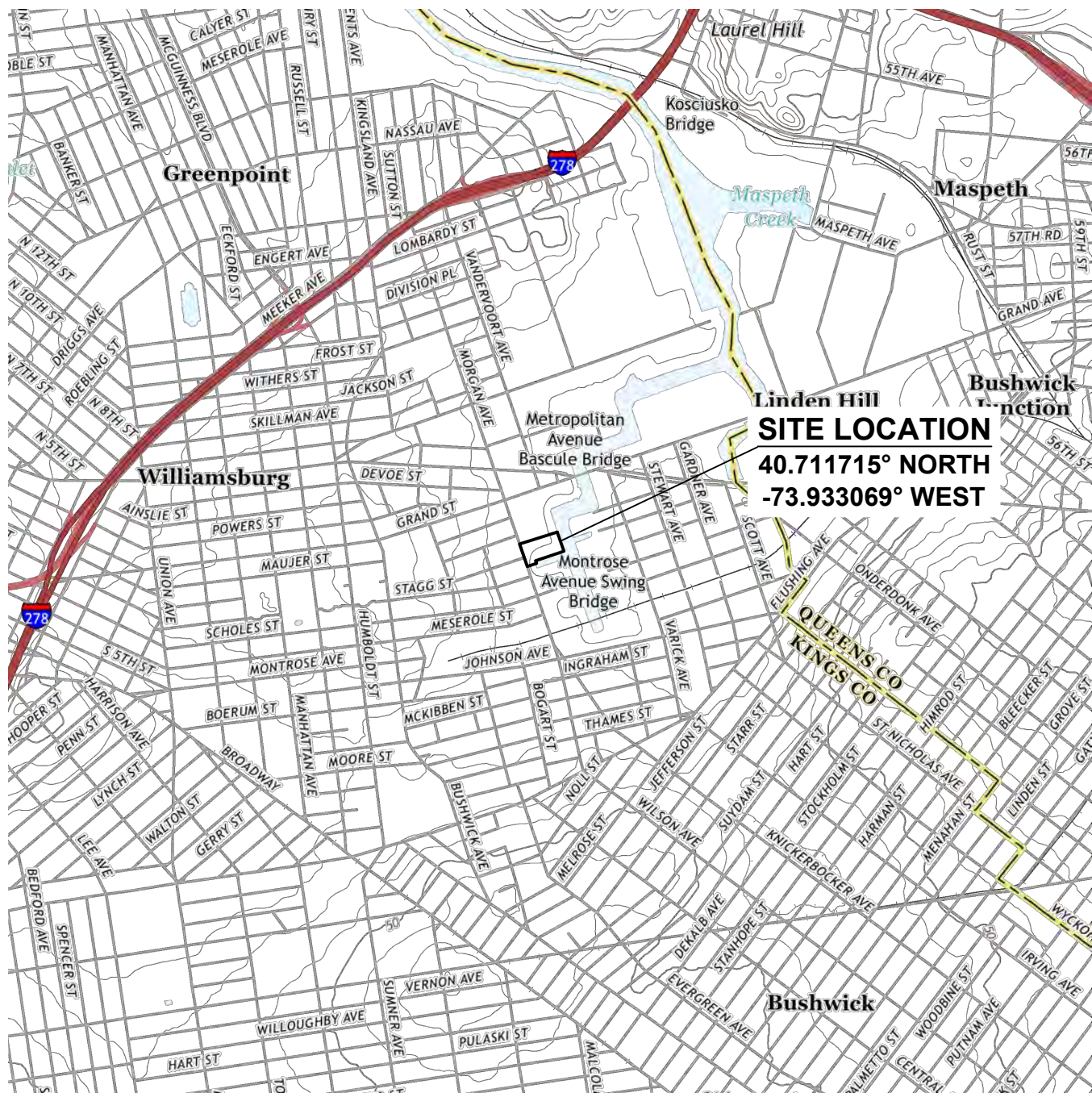
As of the date of this report, Frito-Lay is scheduling the necessary maintenance activities as weather and material availability allows. Applicable documentation will be maintained and included in the next PRR.

The annual Site inspections should be continued to ensure that the Site use has not changed, and the engineering controls are in place and functioning as intended.

The effectiveness of the remedy should continue to be evaluated based on the groundwater monitoring analytical results and inspections of the engineering controls.

Based on the change of contacts at Frito-Lay, the SMP should be updated to include the new contact information, and it is recommended that the format of the SMP be updated to meet the current NYSDEC template.

Figures

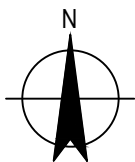


CONTOUR INTERVAL: 10 FEET

MAP TAKEN FROM: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE:
BROOKLYN, NY (2019)
(U.S. GEOLOGICAL SURVEY WEBSITE)

0 1000 2000 3000 4000'

SCALE 1"=2000' AT ORIGINAL SIZE



ROLLING FRITO-LAY SALES, LP
PERIODIC REVIEW REPORT - NOV. 22, 2020 TO
NOV. 22, 2021 - 202-218 MORGAN AVENUE BCP
SITE, BROOKLYN, NEW YORK (BCP SITE #C224133)

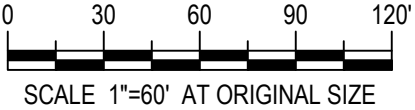
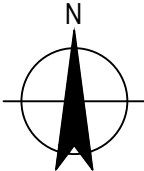
Project No. 8616480
Date 12.2021

SITE LOCATION MAP

FIGURE 1



NOTES:
1. Aerial photograph is a 2020 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.

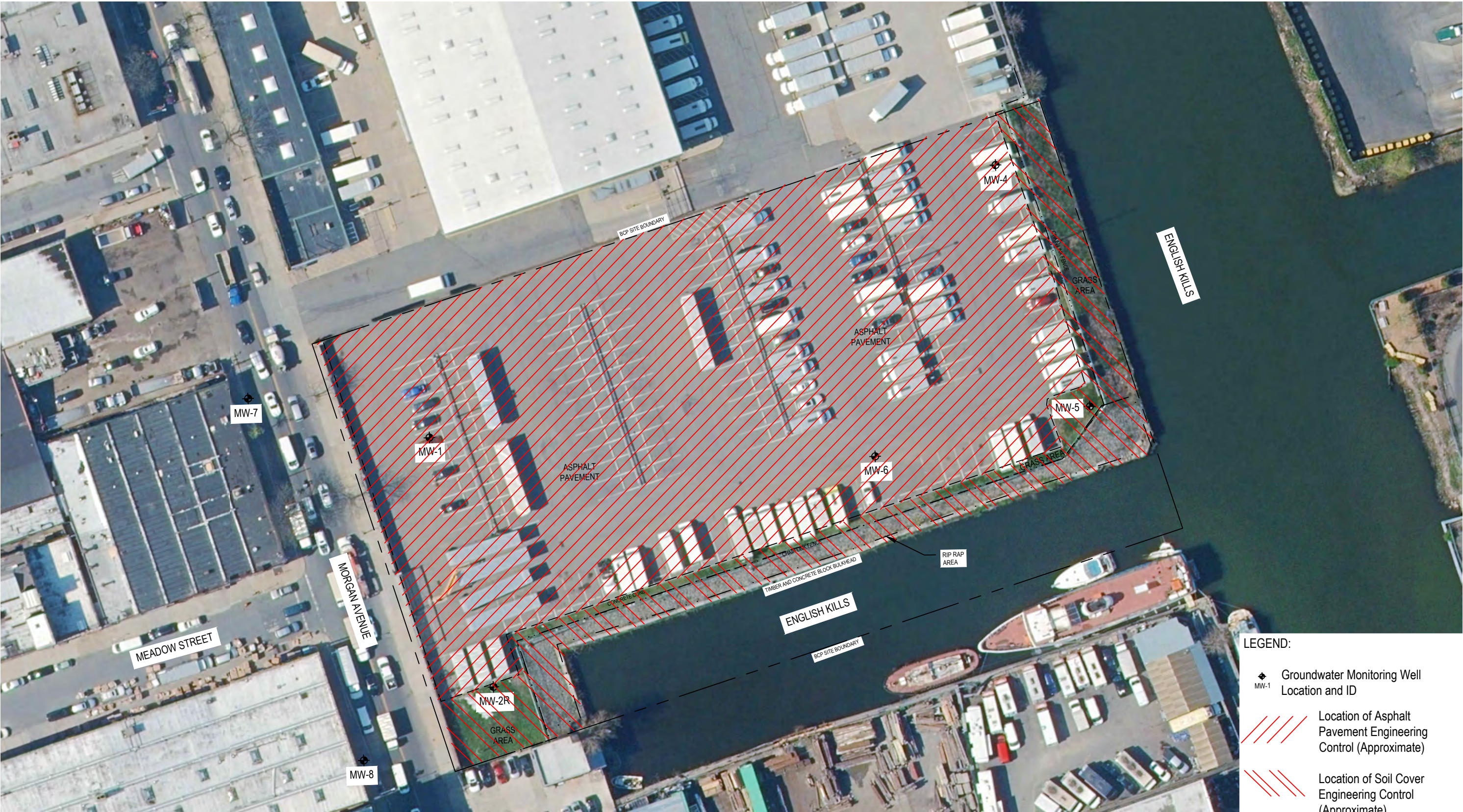


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SITE, BROOKLYN, NEW YORK (BCP SITE #C224133)

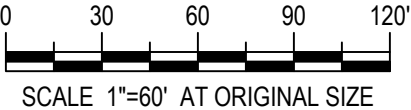
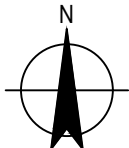
Project No. 8616480
Date 12.2021

SITE LAYOUT

FIGURE 2



NOTES:
1. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



ROLLING FRITO-LAY SALES, LP
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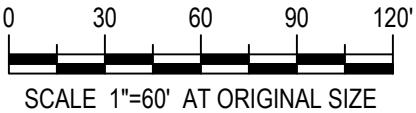
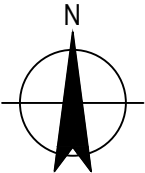
Project No. 8616480
Date 12.2021

ENGINEERING CONTROLS

FIGURE 3



NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2020, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



ROLLING FRITO-LAY SALES, LP
PERIODIC REVIEW REPORT - NOV. 22, 2020 TO
NOV. 22, 2021 - 202-218 MORGAN AVENUE BCP
SITE, BROOKLYN, NEW YORK (BCP SITE #C224133)
**EXCEEDANCES OF GROUNDWATER
STANDARDS - TOTAL METALS**

Project No. **8616480**
Date **12.2021**

FIGURE 4

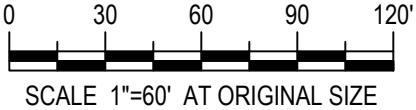
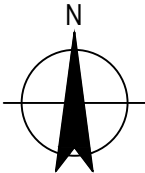


LEGEND:

Groundwater Monitoring Well Location and ID

Conc. Detected Concentration in ug/L (5-27-2021 Monitoring Event)
ug/L - micrograms per liter, parts per billion

NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2020, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



ROLLING FRITO-LAY SALES, LP
PERIODIC REVIEW REPORT - NOV. 22, 2020 TO
NOV. 22, 2021 - 202-218 MORGAN AVENUE BCP
SITE, BROOKLYN, NEW YORK (BCP SITE #C224133)

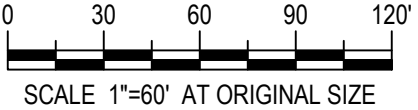
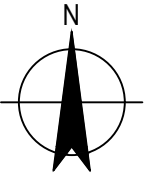
EXCEEDANCES OF GROUNDWATER
STANDARDS - DISSOLVED METALS

Project No. 8616480
Date 12.2021

FIGURE 5



NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2020, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



ROLLING FRITO-LAY SALES, LP
PERIODIC REVIEW REPORT - NOV. 22, 2020 TO
NOV. 22, 2021 - 202-218 MORGAN AVENUE BCP
SITE, BROOKLYN, NEW YORK (BCP SITE #C224133)
**EXCEEDANCES OF GROUNDWATER
STANDARDS - OTHER ANALYTES**

Project No. 8616480
Date 12.2021

FIGURE 6

Tables



Table 1: Groundwater Elevation Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-1	2009	Top of PVC	9.93	-	-	1.74	-
	2011			-	-	1.54	-
	5/14/2014			9.07	16.33	0.86	1.16
	6/4/2015			9.74	16.38	0.19	1.06
	5/26/2016			9.55	16.24	0.38	1.07
	5/22/2017			9.24	16.93	0.69	1.23
	5/30/2018			9.06	16.93	0.87	1.26
	12/19/2018			5.11	16.93	4.82	1.89
	5/30/2019			9.41	16.93	0.52	1.20
	7/20/2020			9.22	16.93	0.71	1.23
	5/27/2021			9.53	16.93	0.40	1.18
MW-2R	2009	Top of PVC	10.26	-	-	2.71	-
	2011			-	-	0.40	-
	7/4/2015			9.75	17.92	0.51	1.31
	6/4/2015			9.69	17.92	0.57	1.32
	5/26/2016			10.22	17.61	0.04	1.18
	5/22/2017			9.53	17.95	0.73	1.35
	5/30/2018			10.42	17.95	-0.16	1.20
	12/19/2018			4.90	17.95	5.36	2.09
	5/30/2019			10.19	17.95	0.07	1.24
	7/20/2020			9.75	17.95	0.51	1.31
	5/27/2021			10.21	17.95	0.05	1.24
MW-4	2009	Top of PVC	10.22	-	-	2.04	-
	2011			-	-	0.54	-
	5/14/2014			9.91	16.48	0.31	1.05
	6/4/2015			10.50	16.45	-0.28	0.95
	5/26/2016			10.76	16.28	-0.54	0.88
	5/22/2017			10.15	16.60	0.07	1.03
	5/30/2018			9.83	16.60	0.39	1.08
	12/19/2018			2.72	16.60	7.50	2.22
	5/30/2019			9.90	16.60	0.32	1.07
	7/20/2020			9.10	16.60	1.12	1.20
	5/27/2021			10.70	16.60	-0.48	0.94



Table 1: Groundwater Elevation Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-5	2009	Top of PVC	10.77	-	-	1.76	-
	2011			-	-	-0.80	-
	5/14/2014			11.01	18.69	-0.24	1.23
	6/4/2015			9.91	18.60	0.86	1.39
	5/26/2016			12.65	18.58	-1.88	0.95
	5/22/2017			11.25	18.70	-0.48	1.19
	5/30/2018			10.46	18.70	0.31	1.32
	12/19/2018			1.96	18.70	8.81	2.68
	5/30/2019			10.76	18.70	0.01	1.27
	7/20/2020			11.10	18.70	-0.33	1.22
	5/27/2021			11.31	18.70	-0.54	1.18
MW-6	2009	Top of PVC	10.22	-	-	1.11	-
	2011			-	-	0.80	-
	5/14/2014			10.36	17.05	-0.14	1.07
	6/4/2015			10.81	17.08	-0.59	1.00
	5/26/2016			10.97	16.88	-0.75	0.95
	5/22/2017			10.55	17.10	-0.33	1.05
	5/30/2018			10.49	17.10	-0.27	1.06
	12/19/2018			2.40	17.10	7.82	2.35
	5/30/2019			10.13	17.10	0.09	1.12
	7/20/2020			10.54	17.10	-0.32	1.05
	5/27/2021			11.10	17.10	-0.88	0.96
MW-7	2009	Top of PVC	11.11	-	-	2.92	-
	2011			-	-	1.48	-
	5/14/2014			8.17	15.42	2.94	1.16
	6/4/2015			8.33	16.42	2.78	1.29
	5/26/2016			8.32	15.22	2.79	1.10
	5/22/2017			8.15	15.45	2.96	1.17
	5/30/2018			7.88	15.45	3.23	1.21
	12/19/2018			NM	NM	-	-
	5/30/2019			8.11	15.45	3.00	1.17
	7/20/2020			8.39	15.45	2.72	1.13
	5/27/2021			8.32	15.45	2.79	1.14
MW-8	2009	Top of PVC	11.43	-	-	2.50	-
	2011			-	-	2.32	-
	5/14/2014			8.85	14.45	2.58	0.90
	6/4/2015			8.92	14.45	2.51	0.88
	5/26/2016			8.70	14.20	2.73	0.88
	5/22/2017			8.88	14.60	2.55	0.92
	5/30/2018			8.61	14.60	2.82	0.96
	12/19/2018			NM	NM	-	-
	5/30/2019			8.40	14.60	3.03	0.99
	7/20/2020			8.74	14.60	2.69	0.94
	5/27/2021			9.31	14.60	2.12	0.85

DTW - depth to water

DOW - depth of well

DTW and DOW measurements taken prior to purging using an electronic water level meter

2009 and 2011 groundwater elevation information taken from the Site Management Plan prepared by Gannett Fleming (September 2013)

Reference elevations taken from as-built plan prepared by PS&S (August 21, 2013)



Table 2: Groundwater Field Parameter Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Well I.D.	Date	Time	Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (gal)	Comments
MW-1	5/27/2021	6:50	17.3	1.950	0.09	7.00	-138	170	2.6	Water cloudy brown with odor and became clear with odor during purging MS/MSD sample taken at this location
		6:55	17.2	2.010	0.57	7.09	-142	91		
		7:00	17.1	2.680	0.66	7.12	-151	62		
		7:05	17.1	2.830	0.55	7.16	-153	26		
		7:10	17.2	2.940	0.53	7.17	-157	20		
		7:15	17.2	2.940	0.46	7.20	-158	11		
		7:20	17.4	2.900	0.44	7.20	-158	14		
		7:25	17.6	2.890	0.41	7.20	-159	11		
		7:30	17.6	2.890	0.40	7.20	-157	9		
MW-2R	5/27/2021	10:40	23.4	2.050	1.04	7.20	-205	251	3.0	Water was cloudy brown with no odor and became clear with no odor during purging Field Duplicate sample taken at this location
		10:45	22.7	2.010	0.73	7.13	-175	118		
		10:50	22.8	1.990	0.71	7.12	-166	133		
		10:55	23.2	2.000	7.18	7.11	-163	143		
		11:00	23.7	2.000	0.47	7.11	-166	124		
		11:05	24.1	1.990	0.70	7.11	-163	80		
		11:10	24.1	1.990	0.73	7.11	-164	72		
		11:15	24.1	2.000	0.71	7.11	-163	55		
		11:20	24.1	2.000	0.68	7.10	-162	46		
MW-4	5/27/2021	11:25	24.1	2.000	0.72	7.11	-164	15		
		6:30	18.7	3.370	2.88	7.55	-200	12	2.0	Water was clear with no odor during purging
		6:35	18.7	3.370	2.93	7.55	-200	2		
		6:40	18.9	3.760	2.61	7.87	-239	2		
		6:45	18.5	3.450	2.11	7.87	-246	1		
		6:50	18.3	3.450	2.31	7.86	-247	1		
		6:55	18.7	3.430	2.26	7.85	-258	0		
MW-5	5/27/2021	7:00	18.7	3.430	2.23	7.84	-250	0		
		8:15	18.2	6.730	0.76	7.70	-236	223	2.3	Water was slightly cloudy brown with no odor and became clear with no odor during purging
		8:20	16.9	7.130	1.73	7.69	-214	39		
		8:25	16.2	7.270	0.70	7.58	-216	24		
		8:30	16.0	7.560	1.59	7.55	-210	19		
		8:35	16.0	7.240	0.39	7.51	-205	23		
		8:40	16.9	7.220	0.32	7.56	-217	29		
		8:45	16.0	7.210	0.34	7.54	-215	16		
		8:50	16.0	7.210	0.36	7.55	-212	18		



Table 2: Groundwater Field Parameter Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Well I.D.	Date	Time	Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (gal)	Comments
MW-6	5/27/2021	12:20	21.2	3.270	1.96	7.97	-177	590	2.3	Water was cloudy brown with no odor and became clear with no odor during purging
		12:25	19.0	3.440	1.41	7.99	-211	117		
		12:30	17.7	3.610	1.01	8.06	-283	27		
		12:35	17.6	3.590	0.97	8.09	-311	3		
		12:40	17.6	3.620	0.90	8.10	-324	1		
		12:45	17.5	3.650	0.88	8.12	-336	2		
		12:50	17.5	3.660	0.96	8.13	-339	2		
		12:55	17.5	3.660	1.01	8.12	-340	2		
MW-7	5/27/2021	9:15	15.7	0.627	1.66	7.53	-110	236	2.6	Water was cloudy brown with odor and became clear with odor during purging
		9:20	15.8	0.711	1.22	7.40	-112	119		
		9:25	16.0	0.756	1.01	7.35	-117	55		
		9:30	16.0	0.811	0.86	7.34	-121	17		
		9:35	16.0	0.864	1.00	7.35	-125	9		
		9:40	16.1	0.870	1.01	7.34	-126	4		
		9:45	16.0	0.888	0.46	7.36	-126	9		
		9:50	16.1	0.889	0.44	7.37	-127	6		
		9:55	16.1	0.891	0.41	7.38	-127	6		
MW-8	5/27/2021	10:20	17.0	4.330	1.96	7.26	-126	575	2.3	Water was cloudy brown with no odor and became clear with no odor during purging
		10:25	17.1	4.260	0.41	7.26	-129	119		
		10:30	17.3	4.200	0.26	7.24	-129	50		
		10:35	17.2	4.250	0.11	7.25	-126	29		
		10:40	17.2	4.170	0.09	7.22	-123	21		
		10:45	17.4	4.200	0.17	7.20	-125	11		
		10:50	17.5	4.210	0.19	7.21	-124	6		
		10:55	17.1	4.270	0.23	7.21	-126	3		

Field parameters collected during purging using a multi-parameter water quality meter with flow thru cell



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
Method Name	Analyte	Units	TOGS 1.1.1									
VOCs	1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U	<0.2U
	1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U	<0.35U
	1,1-dichloroethane	µg/L	5	<1U	<2.5U	0.81J	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U	<0.36U
	1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U	<0.74U
	1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U	<0.51U
	1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65J	<0.34U	<0.34U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U	<0.48U
	1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	0.14J	<0.26U	<0.26U
	1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U	<0.5U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U	<7.43U
	2-butanone	µg/L	50	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U	<0.58U
	2-hexanone	µg/L	50	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U	<0.35U
	Acetone	µg/L	50	<10U	2.7J	<5U	<1.5U	4.8J	<5U	2.1J	<0.9U	<0.9U
	Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U	<0.39U
	Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U	<0.33U
	Bromoform	µg/L	50	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U	<0.45U
	Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U	<0.63U
	Carbon disulfide	µg/L	60	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.44U	<0.44U
	Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U	<0.25U
	Chlorobenzene	µg/L	5	1	0.72J	0.81J	0.77J	0.71J	<2.5U	<0.7U	<0.42U	<0.42U
	Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U	<0.4U
	Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U	<0.48U
	cis-1,2-dichloroethene	µg/L	5	<1U	2.1J	2.7	1.5J	80	17	5	1.1	9.8
	cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U	<0.44U
	Dibromochloromethane	µg/L	50	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U	<0.33U
	Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U	<0.39U
	Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U	<0.36U
	Isopropylbenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U	<0.39U
	Methyl tert butyl ether	µg/L	10	1.5	4.6	21	5	7	66	22	44	51
	Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U	<0.54U
	o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U	<0.43U
	p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U	<0.78U
	Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U	<0.42U
	Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U	<0.36U
	Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U	<0.28U
	trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U	<0.19U
	trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U	<0.37U
	Trichloroethene	µg/L	5	<1UJ	0.17J	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U	<0.36U
	Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U	<0.23U
	Vinyl chloride	µg/L	2	0.4	5.8	24	9.9	92	53	61	9.44	22

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TCL VOCs, TAL metals - total, and TAL metals - dissolved)

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
Method Name	Analyte	Units	TOGS 1.1.1									
Total Metals	Aluminum, Total	µg/L		220	2710	5230	1000	19.8	700	75.8	536	1210
	Antimony, Total	µg/L	3	<12U	6.53	2.1	0.7J	<0.42U	0.69J	10.14	<4U	<4U
	Arsenic, Total	µg/L	25	<8U	4.26	12.1	2.5	1.54	3.01	3.87	2.42	17.35
	Barium, Total	µg/L	1000	180	218.7	333.3	235.6	284.9	224.9	171.4	163.9	213.6
	Beryllium, Total	µg/L	3	<4U	0.17J	0.4J	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U	<0.5U
	Cadmium, Total	µg/L	5	<4U	0.83	2.1	0.5	0.06J	0.36	0.13J	0.25	0.96
	Calcium, Total	µg/L		210,000	166,000	211,000	189,000	276,000	182,000	152,000	132,000	143,000
	Chromium, Total	µg/L	50	<50U	35.47	91.6	18.2	2.89	11.93	2.54	6.43	22.78
	Cobalt, Total	µg/L		<20U	3.58	7.9	2	1.16	2.12	0.97	1.46	2.31
	Copper, Total	µg/L	200	<50U	66.06	180	17.7	0.71J	21.1	1.88	10.81	40.11
	Iron, Total	µg/L	300	4100	21,500	24,000	7160	3710	6260	3920	6260	35,500
	Lead, Total	µg/L	25	6	147.4	360.1	85.7	0.84J	45.6	4.04	24.89	77.96
	Magnesium, Total	µg/L	35000	36,000	29,100	36,200	31,100	39,200	32,600	32,100	33,800	34,400
	Manganese, Total	µg/L	300	3000	2458	3322	2939	2792	2093	1856	1747	1865
	Mercury, Total	µg/L	0.7	<1U	3.27	0.81	0.14J	<0.06U	<0.2U	<0.09U	<0.2U	<0.2U
	Nickel, Total	µg/L	100	<50U	30.45	69.1	18.4	9.44	13.13	6.89	13.26	21.6
	Potassium, Total	µg/L		18,000	13,900	17,500	16,300	20,700	16,100	14,500	13,000	13,300
	Selenium, Total	µg/L	10	<40U	1.03J	2J	<1U	<1.73U	<5U	<1.73U	<5U	<5U
	Silver, Total	µg/L	50	<20U	0.66	1.6	0.1J	<0.16U	0.17J	<0.16U	<0.4U	1.16
	Sodium, Total	µg/L	20000	220,000J	290,000	315,000	342,000	477,000	369,000	338,000	233,000	511,000
	Thallium, Total	µg/L	0.5	<10U	0.04J	0.1J	<0.1U	<0.14U	<0.5U	0.19J	<0.5U	<0.5U
	Vanadium, Total	µg/L		<50U	9.55	34.1	4.3J	<1.57U	3.55J	2.07J	<5U	7
	Zinc, Total	µg/L	2000	<50U	298.2	952.9	104.2	4.44J	82.02	9.31J	48.37	124.8
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	9.6J	10.6	8J	-	6.76J	4.73J	<10U	<10U
	Antimony, Dissolved (Filtered)	µg/L	3	<12U	0.17J	0.1J	1.2J	-	0.69J	3.54J	<4U	<4U
	Arsenic, Dissolved (Filtered)	µg/L	25	8.3	1.68	0.8	2.2	-	1.14	2.76	<0.5U	2
	Barium, Dissolved (Filtered)	µg/L	1000	140	175.8	195.9	200.1	-	182.2	151	127.4	172.6
	Beryllium, Dissolved (Filtered)	µg/L	3	<4U	<0.5U	<0.5U	<0.2U	-	<0.5U	<0.1U	<0.5U	<0.5U
	Cadmium, Dissolved (Filtered)	µg/L	5	<4U	<0.2U	<0.5U	<0.1U	-	<0.2U	<0.05U	<0.2U	<0.2U
	Calcium, Dissolved (Filtered)	µg/L		180,000	193,000	159,000	198,000	-	183,000	160,000	119,000	153,000
	Chromium, Dissolved (Filtered)	µg/L	50	<50U	3.34	3.04	2.9	-	0.96J	0.81J	<1U	<1U
	Cobalt, Dissolved (Filtered)	µg/L		<20U	0.82	1.3	1.3	-	1.56	1.34	1.24	0.95
	Copper, Dissolved (Filtered)	µg/L	200	<50U	0.64J	0.3J	<0.3U	-	1.48	<0.38U	<1U	<1U
	Iron, Dissolved (Filtered)	µg/L	300	760	7470	5360	1920	-	25.6J	97.7	103	1620
	Lead, Dissolved (Filtered)	µg/L	25	<4U	<1U	<1U	0.2J	-	<1U	<0.34U	<1U	<1U
	Magnesium, Dissolved (Filtered)	µg/L	35000	30,000	27,300	30,800	30,300	-	26,400	38,400	32,000	36,900
	Manganese, Dissolved (Filtered)	µg/L	300	2500	2728	2886	3222	-	1771	1901	1600	2043
	Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	-	<0.2U	<0.09U	<0.2U	<0.2U
	Nickel, Dissolved (Filtered)	µg/L	100	<50U	7.43	10.17	14.1	-	8.2	6.87	9.69	7.93
	Potassium, Dissolved (Filtered)	µg/L		15,000	14,200	15,800	16,400	-	15,900	15,200	11,900	14,600
	Selenium, Dissolved (Filtered)	µg/L	10	<40U	1.29J	<100U	<1U	-	<5U	<1.73U	<5U	<5U
	Silver, Dissolved (Filtered)	µg/L	50	<20U	<0.4U	<5U	<0.1U	-	<0.4U	<0.16U	<0.4U	<0.4U
	Sodium, Dissolved (Filtered)	µg/L	20000	190,000J	356,000	298,000	382,000	-	430,000	361,000	220,000	558,000
	Thallium, Dissolved (Filtered)	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	-	<0.5U	0.19J	<0.5U	<0.5U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	0.35J	<5U	<0.6U	-	<5U	<1.57U	<5U	<5U
	Zinc, Dissolved (Filtered)	µg/L	2000	<50U	2.48J	4.87J	<2.6U	-	7.39J	<3.41U	12.22	<10U

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Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
Method Name	Analyte	Units	TOGS 1.1.1										
General Chemistry	Total Organic Halogen	ug/l		-	<20U	<20U	27.7	54	44.1	-	28	51.4	-
	Alkalinity, Total	µg/L		347,000	400,000	766,000	437,000	398,000	364,000	-	352,000	<2000U	308,000
	Biological Oxygen Demand, Five day	µg/L		10,600	<50,000U	<40,000U	<10,000U	5400	2800	-	2300	5800	<2000U
	Chemical Oxygen Demand	µg/L		690,000	1,300,000	2,800,000	46,000	20,000	47,000	-	33,000	28,000	64,000
	Chloride	µg/L	250000	-	600,000	540,000	560,000	840,000	727,000	-	625,000	378,000	782,000
	Total Organic Carbon	µg/L		5400	10,600	7500	3500	1700	4330	-	3060	1900	3010
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.043J	<0.0833U	<0.03U	<0.03U	<0.05U	<0.05U
	Aroclor 1248	µg/L		<0.05U	0.768	1.46	0.286	<0.014U	0.262	<0.038U	0.085	0.161	0.749
	Aroclor 1254	µg/L		<0.05U	0.416	0.746	0.137	<0.022U	0.142	<0.014U	0.038J	0.082	0.315
	Aroclor 1260	µg/L		<0.05U	<0.083U	0.119	<0.023U	<0.023U	0.035J	<0.029U	<0.029U	<0.05U	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	1.18	2.33	0.423	0.043	0.439	<0.038U	0.123J	0.243J	1.064

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202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
Method Name	Analyte	Units	TOGS 1.1.1									
VOCs	1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U	<0.2U
	1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U	<0.35U
	1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U	<0.36U
	1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U	<0.74U
	1,2,4-trichlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U	<0.51U
	1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U	<0.34U
	1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U	<0.48U
	1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U	<0.26U
	1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U	<0.5U
	1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U	<7.43U
	2-butanone	µg/L	50	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U	<0.58U
	2-hexanone	µg/L	50	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U	<0.35U
	Acetone	µg/L	50	<10U	2.3J	<5U	<1.5U	<1.5U	<5U	4.4J	<0.9U	<0.9U
	Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U	<0.39U
	Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U	<0.33U
	Bromoform	µg/L	50	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U	<0.45U
	Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U	<0.63U
	Carbon disulfide	µg/L	60	<1U	<5U	2.2J	<1U	<1U	<5U	<1U	<0.44U	<0.44U
	Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U	<0.25U
	Chlorobenzene	µg/L	5	1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U	<0.42U
	Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U	<0.4U
	Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U	<0.48U
	cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U	<0.3U
	cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U	<0.44U
	Dibromochloromethane	µg/L	50	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U	<0.33U
	Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U	<0.39U
	Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U	<0.36U
	Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U	<0.39U
	Methyl tert butyl ether	µg/L	10	1.6	1.6J	1.1J	<0.7U	0.77J	<2.5U	7	<0.26U	<0.26U
	Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U	<0.54U
	o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U	<0.43U
	p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U	<0.78U
	Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U	<0.42U
	Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U	<0.36U
	Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U	<0.28U
	trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U	<0.19U
	trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U	<0.37U
	Trichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U	<0.36U
	Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U	<0.23U
	Vinyl chloride	µg/L	2	4.7	<1U	3.4	2.5	0.98J	0.87J	<0.07U	<0.26U	<0.26U

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TCL VOCs, TAL metals - total, and TAL metals - dissolved)

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J - Indicates an estimated value

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
Method Name	Analyte	Units	TOGS 1.1.1									
Total Metals	Aluminum, Total	µg/L		4200J	404	1690	33	193	35.5	375	231	168
	Antimony, Total	µg/L	3	<12U	3.12	2.1	0.3J	<0.42U	0.8J	0.51J	<4U	<4U
	Arsenic, Total	µg/L	25	<8U	36.36	7.8	6.8	6.51	6.25	4.43	4.36	5.6
	Barium, Total	µg/L	1000	200	192.8	227.1	227.7	298	308.7	371.6	381	420.3
	Beryllium, Total	µg/L	3	<4U	0.1J	0.2J	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U	<0.5U
	Cadmium, Total	µg/L	5	<4U	0.19J	0.1J	<0.1U	0.2	<0.2U	<0.05U	<0.2U	<0.2U
	Calcium, Total	µg/L		320,000	88,100	93,300	73,700	73,300	82,200	96,800	93,600	97,900
	Chromium, Total	µg/L	50	<50U	10.5	10.4	0.5J	1.01	0.4J	2.05	1.4	<1U
	Cobalt, Total	µg/L		<20U	1.18	2.6	0.2	0.23J	<0.5U	0.55	<0.5U	<0.5U
	Copper, Total	µg/L	200	<50U	20.21	30.9	<0.3U	2.47	0.6J	4.92	2.83	1.97
	Iron, Total	µg/L	300	13,000J	58,600	24,100	14,000	14,100	17,300	19,000	17,700	19,500
	Lead, Total	µg/L	25	120J	73.18	178	1.9	13.48	2.01	22.43	13.12	6.65
	Magnesium, Total	µg/L	35000	140,000	33,900	35,700	33,800	34,400	41,500	44,300	42,100	47,000
	Manganese, Total	µg/L	300	900	374.7	699.3	804.9	708.6	901.2	1009	868.9	979.9
	Mercury, Total	µg/L	0.7	<1U	0.38	0.46	0.09J	0.06J	<0.2U	<0.09U	<0.2U	<0.2U
	Nickel, Total	µg/L	100	<50U	3.41	5.5	1.3J	1.75J	<2U	0.69J	<2U	<2U
	Potassium, Total	µg/L		55,000	14,400	16,000	14,300	16,500	16,800	19,600	19,000	18,800
	Selenium, Total	µg/L	10	<40U	0.53J	<5U	<1U	<1.73U	<5U	<1.73U	<5U	<5U
	Silver, Total	µg/L	50	<20U	<0.4U	0.1J	<0.1U	<0.16U	<0.4U	<0.16U	<0.4U	<0.4U
	Sodium, Total	µg/L	20000	770,000J	142,000	221,000	200,000	273,000	178,000	253,000	244,000	302,000
	Thallium, Total	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U	<0.5U	<0.5U
	Vanadium, Total	µg/L		<50U	6.59	8.1	<0.6U	<1.57U	<5U	1.94J	<5U	<5U
	Zinc, Total	µg/L	2000	120	68.19	80.8	<2.6U	5.88J	<10U	7.43J	<10U	<10U
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-	4.54J	<3.27U	<10U	<10U
	Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	-	-	<4U	1.13J	<4U	<4U
	Arsenic, Dissolved (Filtered)	µg/L	25	<8U	-	-	-	-	0.83	0.68	0.58	1.15
	Barium, Dissolved (Filtered)	µg/L	1000	160	-	-	-	-	231.6	275.2	316.3	342.1
	Beryllium, Dissolved (Filtered)	µg/L	3	<4U	-	-	-	-	<0.5U	<0.1U	<0.5U	<0.5U
	Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	-	-	<0.2U	<0.05U	<0.2U	<0.2U
	Calcium, Dissolved (Filtered)	µg/L		320,000	-	-	-	-	88,800	89,600	94,100	96,400
	Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	-	-	0.18J	<0.17U	<1U	<1U
	Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-	0.18J	0.17J	<0.5U	<0.5U
	Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	-	-	0.82J	<0.38U	<1U	<1U
	Iron, Dissolved (Filtered)	µg/L	300	870	-	-	-	-	35.1J	1840	404	2180
	Lead, Dissolved (Filtered)	µg/L	25	<4U	-	-	-	-	<1U	<0.34U	<1U	<1U
	Magnesium, Dissolved (Filtered)	µg/L	35000	140,000	-	-	-	-	34,400	45,600	42,700	46,800
	Manganese, Dissolved (Filtered)	µg/L	300	830	-	-	-	-	915.9	911.9	830.2	890.2
	Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	-	-	<0.2U	<0.09U	<0.2U	<0.2U
	Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	-	-	0.87J	0.75J	<2U	<2U
	Potassium, Dissolved (Filtered)	µg/L		55,000	-	-	-	-	17,400	18,000	19,300	18,500
	Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	-	-	<5U	<1.73U	<5U	<5U
	Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	-	-	<0.4U	<0.16U	<0.4U	<0.4U
	Sodium, Dissolved (Filtered)	µg/L	20000	760,000J	-	-	-	-	213,000	230,000	254,000	293,000
	Thallium, Dissolved (Filtered)	µg/L	0.5	<10U	-	-	-	-	<0.5U	<0.14U	<0.5U	<0.5U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-	<5U	<1.57U	<5U	<5U
	Zinc, Dissolved (Filtered)	µg/L	2000	<50U	-	-	-	-	<10U	<3.41U	<10U	<10U

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

				Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020	5/27/2021
				Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
Method Name	Analyte	Units	TOGS 1.1.1											
General Chemistry	Total Organic Halogen	ug/l		-	26.9	20.9	14.1J	41.1	19.9J	-	30	49.5J	-	
	Alkalinity, Total	µg/L		308,000	312,000	317,000	271,000	281,000	298,000	-	295,000	<2000U	283,000	
	Biological Oxygen Demand, Five day	µg/L		<6000U	<10,000U	<5000U	<2000U	<2000U	<2000U	-	<2000U	<2000U	<2000U	
	Chemical Oxygen Demand	µg/L		32,900	74,000	55,000	22,000	18,000	6000J	-	21,000	24,000	15,000	
	Chloride	µg/L	250000	-	270,000	340,000	340,000	430,000	376,000	-	472,000	502,000	451,000	
	Total Organic Carbon	µg/L		2800	11,200	3200	2600	2300	3120	-	11,600	2200	2390	
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U	<0.05U	
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U	<0.05U	
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U	<0.05U	
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U	<0.03U	<0.05U	<0.05U	
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.038U	<0.038U	<0.05U	<0.05U	
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	0.034J	<0.022U	<0.0833U	<0.014U	<0.014U	<0.05U	<0.05U	
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.029U	<0.029U	<0.05U	<0.05U	
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-	-	
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-	-	
	PCBs, Total	µg/L	0.09	<0.05U	<0.083U	<0.083U	0.034J	<0.014	<0.0833U	<0.038U	<0.083U	<0.05U	<0.05U	

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Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
Method Name	Analyte	Units	TOGS 1.1.1									
VOCs	1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U	<0.2U
	1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U	<0.35U
	1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U	<0.36U
	1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U	<0.74U
	1,2,4-trichlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U	<0.51U
	1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U	<0.34U
	1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U	<0.48U
	1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U	<0.26U
	1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U	<0.5U
	1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U	<7.43U
	2-butanone	µg/L	50	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U	<0.58U
	2-hexanone	µg/L	50	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U	<0.35U
	Acetone	µg/L	50	4	5	<5U	2.3J	5.9	<5U	1.7J	<0.9U	<0.9U
	Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U	<0.39U
	Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U	<0.33U
	Bromoform	µg/L	50	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U	<0.45U
	Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U	<0.63U
	Carbon disulfide	µg/L	60	<1U	<5U	<5U	<1U	<1U	<5U	4J	<0.44U	<0.44U
	Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U	<0.25U
	Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U	<0.42U
	Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U	<0.4U
	Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U	<0.48U
	cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U	<0.3U
	cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U	<0.44U
	Dibromochloromethane	µg/L	50	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U	<0.33U
	Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U	<0.39U
	Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U	<0.36U
	Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U	<0.39U
	Methyl tert butyl ether	µg/L	10	4	13	11	32	37	39	30	31.1	29
	Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U	<0.54U
	o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U	<0.43U
	p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U	<0.78U
	Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U	<0.42U
	Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U	<0.36U
	Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U	<0.28U
	trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U	<0.19U
	trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U	<0.37U
	Trichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U	<0.36U
	Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U	<0.23U
	Vinyl chloride	µg/L	2	<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U	<0.26U	<0.26U

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TCL VOCs, TAL metals - total, and TAL metals - dissolved)

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
Method Name	Analyte	Units	TOGS 1.1.1									
Total Metals	Aluminum, Total	µg/L		250	103	87	616	148	5000	44.9	453	18.2
	Antimony, Total	µg/L	3	<12U	2.91	1.2J	1J	1.2J	3.39J	<0.42U	<4U	<4U
	Arsenic, Total	µg/L	25	<8U	9.74	5.9	7.8	3.56	55.78	7.12	2.84	1.62
	Barium, Total	µg/L	1000	660	92.03	80.4	80.8	112.5	290.4	163.5	165.8	168.5
	Beryllium, Total	µg/L	3	<4U	<0.5U	<0.5U	<0.2U	<0.1U	0.43J	<0.1U	<0.5U	<0.5U
	Cadmium, Total	µg/L	5	<4U	0.05J	0.1J	0.3	0.5	2.74	0.44	0.38	<0.2U
	Calcium, Total	µg/L		520,000J	272,000	294,000	207,000	220,000	291,000	229,000	205,000	185,000
	Chromium, Total	µg/L	50	<50U	0.77J	2.8	2.2	0.81J	16.9	0.87J	1.67	<1U
	Cobalt, Total	µg/L		<20U	0.36	0.49J	1.6	0.69	13.26	0.6	0.92	0.5
	Copper, Total	µg/L	200	<50U	1.12J	2.2	9.9	2.13	111.6	0.67J	3.35	<1U
	Iron, Total	µg/L	300	650	186	219	1290	336	16,400	541	846	83
	Lead, Total	µg/L	25	9	3.12	3.5	25	5.51	288.8	2.24	11.26	<1U
	Magnesium, Total	µg/L	35000	8400J	6600	12,300	16,200	30,700	36,900	30,800	30,800	29,200
	Manganese, Total	µg/L	300	100	5.31	13	35.3	302.2	752.8	546.9	606.6	614.5
	Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	<0.06U	0.4	<0.09U	<0.2U	<0.2U
	Nickel, Total	µg/L	100	<50U	3.56	5.5	7.6	5.08	35.7	5.44	4.94	2.57
	Potassium, Total	µg/L		64,000	70,700	77,800	74,200	53,200	52,000	52,400	47,900	45,800
	Selenium, Total	µg/L	10	<40U	0.55J	<5U	<1U	<1.73U	1.97J	<1.73U	<5U	<5U
	Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U	0.25J	<0.16U	<0.4U	<0.4U
	Sodium, Total	µg/L	20000	250,000J	303,000	339,000	387,000	331,000	382,000	486,000	437,000	469,000
	Thallium, Total	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	<0.14U	0.16J	<0.14U	<0.5U	<0.5U
	Vanadium, Total	µg/L		<50U	0.92J	1.3J	3.3J	1.69J	21.8	1.67J	<5U	<5U
	Zinc, Total	µg/L	2000	<50U	13.78	31.8	60.7	30.16	760.7	9.33J	50.3	<10U
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-	9.43J	<3.27U	42	<10U
	Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	-	-	1.23J	0.72J	<4U	<4U
	Arsenic, Dissolved (Filtered)	µg/L	25	<8U	-	-	-	-	23.96	9.13	2.22	2.07
	Barium, Dissolved (Filtered)	µg/L	1000	620	-	-	-	-	171.1	150	154.7	170.4
	Beryllium, Dissolved (Filtered)	µg/L	3	<4U	-	-	-	-	<0.5U	<0.1U	<0.5U	<0.5U
	Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	-	-	<0.2U	<0.05U	<0.2U	<0.2U
	Calcium, Dissolved (Filtered)	µg/L		440,000J	-	-	-	-	243,000	204,000	194,000	195,000
	Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	-	-	0.35J	0.29J	<1U	<1U
	Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-	0.61	0.6	0.58	0.51
	Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	-	-	<1U	<0.38U	<1U	<1U
	Iron, Dissolved (Filtered)	µg/L	300	<280U	-	-	-	-	49.1J	89.4	<50U	<50U
	Lead, Dissolved (Filtered)	µg/L	25	<4U	-	-	-	-	0.91J	<0.34U	<1U	<1U
	Magnesium, Dissolved (Filtered)	µg/L	35000	<2000UJ	-	-	-	-	27,200	31,200	29,700	38,200
	Manganese, Dissolved (Filtered)	µg/L	300	<40U	-	-	-	-	433.7	490.6	563.3	604.2
	Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	-	-	<0.2U	<0.09U	<0.2U	<0.2U
	Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	-	-	3.39	4.29	3.38	2.79
	Potassium, Dissolved (Filtered)	µg/L		65,000	-	-	-	-	40,300	46,900	46,400	48,500
	Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	-	-	<5U	<1.73U	<5U	<5U
	Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	-	-	<0.4U	<0.16U	<0.4U	<0.4U
	Sodium, Dissolved (Filtered)	µg/L	20000	250,000J	-	-	-	-	457,000	436,000	436,000	481,000
	Thallium, Dissolved (Filtered)	µg/L	0.5	<10U	-	-	-	-	<0.5U	<0.14U	<0.5U	<0.5U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-	<5U	<1.57U	<5U	<5U
	Zinc, Dissolved (Filtered)	µg/L	2000	<50U	-	-	-	-	3.52J	<3.41U	<10U	<10U

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Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
Method Name	Analyte	Units	TOGS 1.1.1										
General Chemistry	Total Organic Halogen	ug/l		-	47.4	50.5	36.9	42	19.6J	-	27	70.7J	-
	Alkalinity, Total	µg/L		446,000	186,000	83,400	96,800	484,000	586,000	-	625,000	<2000U	557,000
	Biological Oxygen Demand, Five day	µg/L		11,700	<5000U	<5000U	4300	<5000U	<5000U	-	9200	8400	18,000
	Chemical Oxygen Demand	µg/L		1,170,000	150,000	110,000	99,000	82,000	100,000	-	73,000	330,000	66,000
	Chloride	µg/L	250000	-	460,000	560,000	620,000	640,000	879,000	-	840,000	775,000	779,000
	Total Organic Carbon	µg/L		26,900	52,100	25,000	25,000	17,000	17,000	-	15,100	4800	13,900
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.045J	<0.0833U	0.084	<0.03U	<0.05U	<0.05U
	Aroclor 1248	µg/L		<0.05U	0.11	<0.083U	<0.014U	<0.014U	0.158	<0.038U	<0.038U	0.128	<0.05U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	0.114	0.064J	<0.014U	0.083	<0.05U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.044J	<0.029U	<0.029U	<0.05U	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	0.11	<0.083U	<0.012U	0.045	0.316	0.148J	<0.083U	0.211U	<0.05U

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			Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
Method Name	Analyte	Units	TOGS 1.1.1									
VOCs	1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U	<0.2U
	1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U	<0.35U
	1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U	<0.36U
	1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U	<0.74U
	1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U	<0.51U
	1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U	<0.34U
	1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U	<0.48U
	1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U	<0.26U
	1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U	<0.5U
	1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U	<7.43U
	2-butanone	µg/L	50	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U	<0.58U
	2-hexanone	µg/L	50	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U	<0.35U
	Acetone	µg/L	50	<10U	2.2J	<5U	<1.5U	<1.5U	2.2J	<1.5U	<0.9U	<0.9U
	Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U	<0.39U
	Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U	<0.33U
	Bromoform	µg/L	50	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U	<0.45U
	Bromomethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U	<0.63U
	Carbon disulfide	µg/L	60	<1U	<5U	3.5J	<1U	<1U	<5U	<1U	<0.44U	<0.44U
	Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U	<0.25U
	Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U	<0.42U
	Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U	<0.4U
	Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U	<0.48U
	cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U	<0.3U
	cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U	<0.44U
	Dibromochloromethane	µg/L	50	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U	<0.33U
	Dichlorodifluoromethane	µg/L	5	<1UJ	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U	<0.39U
	Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U	<0.36U
	Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<20U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U	<0.39U
	Methyl tert butyl ether	µg/L	10	16	9.3	10	5.8	7.9	12	<0.7U	9.93	12
	Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U	<0.54U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U	<0.43U	
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U	<0.78U	
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U	<0.42U	
Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U	<0.36U	
Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U	<0.28U	
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U	<0.19U	
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U	<0.37U	
Trichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U	<0.36U	
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U	<0.23U	
Vinyl chloride	µg/L	2	<1U	<1U	<1U	<0.07U	<0.07U	<1U	0.63J	<0.26U	<0.26U	

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method Name	Analyte	Units	Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
Total Metals			TOGS 1.1.1									
	Aluminum, Total	µg/L		<180U	2380	589	242	8.24J	95.5	1960	21.2	64.2
	Antimony, Total	µg/L	3	<12U	3.01	0.9J	1.5J	3.31J	3.89J	3.97J	<4U	<4U
	Arsenic, Total	µg/L	25	25	11.91	3	3.7	7.57	4.06	21.22	1.98	1.58
	Barium, Total	µg/L	1000	56	126.4	125.7	129.2	68.44	80.6	183.8	79.67	74.9
	Beryllium, Total	µg/L	3	<4U	0.12J	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U	<0.5U
	Cadmium, Total	µg/L	5	<4U	1.56	0.5	0.2J	<0.05U	0.16J	3.94	<0.2U	<0.2U
	Calcium, Total	µg/L		210,000J	243,000	228,000	224,000	197,000	259,000	268,000	150,000	160,000
	Chromium, Total	µg/L	50	<50U	8.36	3.6	1.7J	4.89	0.79J	9.91	<1U	<1U
	Cobalt, Total	µg/L		<20U	3.84	2.4	1	1.08	0.96	7.43	0.56	0.71
	Copper, Total	µg/L	200	<50U	49.9	13.2	<0.3U	0.51J	3.69	78.3	1.49	1.7
	Iron, Total	µg/L	300	4000	16,400	4070	5740	3010	3300	6570	1850	1200
	Lead, Total	µg/L	25	6	244.8	90.4	46	<1.71U	15.02	409.6	3.41	8.11
	Magnesium, Total	µg/L	35000	120,000J	147,000	156,000	306,000	174,000	170,000	214,000	180,000	133,000
	Manganese, Total	µg/L	300	950	1020	1060	768.1	449.9	531	508.6	268	225.4
	Mercury, Total	µg/L	0.7	<1U	6.02	0.93	0.29	<0.06U	<0.2U	3.18	<0.2U	<0.2U
	Nickel, Total	µg/L	100	<50U	26.93	14	6.8	11.62	8.52	46.22	3.85	4.44
	Potassium, Total	µg/L		73,000	75,300	72,500	115,000	84,000	91,400	106,000	78,900	64,900
	Selenium, Total	µg/L	10	<40U	0.77J	<5U	<1U	<1.73U	<5U	<1.73U	<5U	<5U
	Silver, Total	µg/L	50	<20U	0.17J	<0.4U	<0.1U	<0.16U	<0.4U	0.3J	<0.4U	<0.4U
	Sodium, Total	µg/L	20000	740,000J	1,140,000	1,030,000	3,020,000	1,800,000	1,470,000	2,210,000	1,800,000	1,350,000
	Thallium, Total	µg/L	0.5	<10U	0.06J	<0.5U	0.1J	<0.71U	<0.5U	0.16J	<0.5U	<0.5U
	Vanadium, Total	µg/L		<50U	12.03	4.2J	2J	<1.57U	<5U	15.84	<5U	<5U
	Zinc, Total	µg/L	2000	<50U	736.6	223.7	29.6	15.6	36.68	543.9	10.24	11.14
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-	3.75J	3.29J	<10U	<10U
	Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	-	-	1.75J	3.54J	<4U	<4U
	Arsenic, Dissolved (Filtered)	µg/L	25	10	-	-	-	-	0.98	1.58	1.32	1.07
	Barium, Dissolved (Filtered)	µg/L	1000	54	-	-	-	-	82.71	97.95	76.76	67.42
	Beryllium, Dissolved (Filtered)	µg/L	3	<4U	-	-	-	-	<0.5U	<0.1U	<0.5U	<0.5U
	Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	-	-	<0.2U	0.08J	<0.2U	<0.2U
	Calcium, Dissolved (Filtered)	µg/L		220,000J	-	-	-	-	249,000	194,000	158,000	166,000
	Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	-	-	<1U	<0.17U	<1U	<1U
	Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-	0.73	1.55	0.69	0.71
	Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	-	-	0.9J	0.71J	<1U	<1U
	Iron, Dissolved (Filtered)	µg/L	300	370	-	-	-	-	35J	168	<50U	<50U
	Lead, Dissolved (Filtered)	µg/L	25	4	-	-	-	-	<1U	2.71	<1U	<1U
	Magnesium, Dissolved (Filtered)	µg/L	35000	120,000J	-	-	-	-	160,000	216,000	200,000	136,000
	Manganese, Dissolved (Filtered)	µg/L	300	970	-	-	-	-	511.1	415.8	269	215.3
	Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	-	-	<0.2U	<0.09U	<0.2U	<0.2U
	Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	-	-	5.02	10.96	3.96	5.1
	Potassium, Dissolved (Filtered)	µg/L		77,000	-	-	-	-	89,000	79,800	79,300	71,800
	Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	-	-	<5U	<1.73U	<5U	<5U
	Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	-	-	<0.4U	<0.16U	<0.4U	<0.4U
	Sodium, Dissolved (Filtered)	µg/L	20000	760,000J	-	-	-	-	1,540,000	1,980,000	1,980,000	1,320,000
	Thallium, Dissolved (Filtered)	µg/L	0.5	<10U	-	-	-	-	<0.5U	0.18J	<0.5U	<0.5U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-	<5U	<1.57U	<5U	<5U
	Zinc, Dissolved (Filtered)	µg/L	2000	<50U	-	-	-	-	7.43J	54.04	<10U	<10U

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202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
Method Name	Analyte	Units	TOGS 1.1.1										
General Chemistry	Total Organic Halogen	ug/l		-	66.5	41.4	72.2	81.1	80.3	-	52.4	101J	-
	Alkalinity, Total	µg/L		637,000	387,000	455,000	370,000	377,000	421,000	-	376,000	<2000U	437,000
	Biological Oxygen Demand, Five day	µg/L		21,000	13,000	7400	<40,000U	<2000U	<5000U	-	11,000	<5000U	<2000U
	Chemical Oxygen Demand	µg/L		324,000	220,000	260,000	150,000	73,000	51,000	-	280,000	120,000	150,000
	Chloride	µg/L	250000	-	1,400,000	1,900,000	4,600,000	3,100,000	3,400,000	-	3,940,000	3,170,000	2,030,000
	Total Organic Carbon	µg/L		18,800	23,200	13,000	6200	9000	13,900	-	2060	5100	10,700
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U	0.12	<0.05U	<0.05U
	Aroclor 1248	µg/L		<0.05U	0.195	0.216	<0.014U	<0.014U	<0.0833U	<0.038U	<0.038U	<0.05U	<0.05U
	Aroclor 1254	µg/L		<0.05U	0.17	0.153	<0.022U	<0.022U	<0.0833U	<0.014U	0.091	<0.05U	<0.05U
	Aroclor 1260	µg/L		<0.05U	0.084	0.103	<0.023U	<0.023U	<0.0833U	<0.029U	0.096	<0.05U	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	0.449	0.472	<0.012U	<0.014	<0.0833U	<0.038U	0.307J	<0.05U	<0.05U

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			Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
Method Name	Analyte	Units	TOGS 1.1.1									
VOCs	1,1,1-trichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U	<0.2U
	1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U	<0.35U
	1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U	<0.36U
	1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U	<0.74U
	1,2,4-trichlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U	<0.51U
	1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U	<0.34U
	1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U	<0.48U
	1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U	<0.26U
	1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U	<0.5U
	1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U	<7.43U
	2-butanone	µg/L	50	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U	<0.58U
	2-hexanone	µg/L	50	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U	<0.35U
	Acetone	µg/L	50	12	3.7J	<5U	2J	9.8	4.5J	3.5J	<0.9U	<0.9U
	Benzene	µg/L	1	1.1	<0.5U	0.34J	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U	<0.39U
	Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U	<0.33U
	Bromoform	µg/L	50	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U	<0.45U
	Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U	<0.63U
	Carbon disulfide	µg/L	60	<1U	<5U	<5U	<1U	<1U	<5U	6.7	<0.44U	<0.44U
	Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U	<0.25U
	Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U	<0.42U
	Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U	<0.4U
	Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U	<0.48U
	cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U	<0.3U
	cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U	<0.44U
	Dibromochloromethane	µg/L	50	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U	<0.33U
	Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U	<0.39U
	Ethylbenzene	µg/L	5	1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U	<0.36U
	Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U	<0.39U
	Methyl tert butyl ether	µg/L	10	16	14	17	14	5	22	17	15.5	18
	Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U	<0.54U
o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U	<0.43U	
p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U	<0.78U	
Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U	<0.42U	
Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U	<0.36U	
Toluene	µg/L	5	4.4	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U	<0.28U	
trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U	<0.19U	
trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U	<0.37U	
Trichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U	<0.36U	
Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U	<0.23U	
Vinyl chloride	µg/L	2	<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U	<0.26U	<0.26U	

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
Method Name	Analyte	Units	TOGS 1.1.1									
Total Metals	Aluminum, Total	µg/L		<180U	137	330	191	449	1230	488	38,000	403
	Antimony, Total	µg/L	3	<12U	3.09	1.4J	1.1J	1.95J	4.92	1.89J	37.71	<4U
	Arsenic, Total	µg/L	25	14	7.55	3.2	4.5	14.06	10.44	4.96	167.7	6.97
	Barium, Total	µg/L	1000	140	104.8	156	166.5	145.5	217.1	174	898.7	127.9
	Beryllium, Total	µg/L	3	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U	2.85	<0.5U
	Cadmium, Total	µg/L	5	<4U	0.93	0.2	0.8	1.45	0.59	0.21	7.26	<0.2U
	Calcium, Total	µg/L		360,000J	292,000	285,000	280,000	286,000	340,000	287,000	445,000	200,000
	Chromium, Total	µg/L	50	<50U	3.97	2.1	1.2J	3.44	3.75	2.38	85.98	1.01
	Cobalt, Total	µg/L		<20U	4.53	1.3	1.4	2.15	2.92	1.27	41.8	1.49
	Copper, Total	µg/L	200	<50U	3.64	4.9	7.1	11.45	28.28	8.84	656.4	7.2
	Iron, Total	µg/L	300	650	5820	1270	1870	5550	6000	2260	112,000	3040
	Lead, Total	µg/L	25	10	9.28	17.4	15.1	25.67	92.14	38.15	2312	22.46
	Magnesium, Total	µg/L	35000	47,000J	46,300	52,500	57,400	40,000	49,000	40,200	50,300	34,300
	Manganese, Total	µg/L	300	640	1526	757.3	952.6	1118	1165	729.6	2856	565.6
	Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	<0.06U	<0.2U	<0.09U	4.31	<0.2U
	Nickel, Total	µg/L	100	<50U	22.81	8	9.4	11.82	11.23	5.71	140.7	6.82
	Potassium, Total	µg/L		66,000	61,100	54,200	60,800	49,900	61,000	63,300	62,400	50,600
	Selenium, Total	µg/L	10	<40U	0.51J	<5U	<1U	<1.73U	<5U	<1.73U	<25U	<25U
	Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	<0.16U	<2U	<2U
	Sodium, Total	µg/L	20000	410,000J	385,000	393,000	470,000	408,000	490,000	593,000	506,000	470,000
	Thallium, Total	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U	<2.5U	<2.5U
	Vanadium, Total	µg/L		<50U	2.66J	3.1J	2J	4.95J	6.45	3.53J	155.1	<5U
	Zinc, Total	µg/L	2000	<50U	819.6	121.7	98.3	177	157.5	40.84	3089	33.57
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-	9.72J	<6.54U	24.2	<10U
	Antimony, Dissolved (Filtered)	µg/L	3	<12U	-	-	-	-	3.82J	3.64J	<4U	<4U
	Arsenic, Dissolved (Filtered)	µg/L	25	10	-	-	-	-	5.05	5.97	9.38	4.27
	Barium, Dissolved (Filtered)	µg/L	1000	130	-	-	-	-	159.1	114.8	94.96	103.3
	Beryllium, Dissolved (Filtered)	µg/L	3	<4U	-	-	-	-	<0.5U	<0.21U	<0.5U	<0.5U
	Cadmium, Dissolved (Filtered)	µg/L	5	<4U	-	-	-	-	<0.2U	<0.11U	<0.2U	<0.2U
	Calcium, Dissolved (Filtered)	µg/L		340,000J	-	-	-	-	363,000	262,000	240,000	208,000
	Chromium, Dissolved (Filtered)	µg/L	50	<50U	-	-	-	-	0.43J	<0.35U	<1U	<1U
	Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-	1.25	1.22	1.75	0.98
	Copper, Dissolved (Filtered)	µg/L	200	<50U	-	-	-	-	1.98	<0.76U	1.67	<1U
	Iron, Dissolved (Filtered)	µg/L	300	370	-	-	-	-	79.9	138	138	50.7
	Lead, Dissolved (Filtered)	µg/L	25	5	-	-	-	-	0.76J	<0.68U	3.5	<1U
	Magnesium, Dissolved (Filtered)	µg/L	35000	46,000J	-	-	-	-	43,000	39,600	34,200	38,700
	Manganese, Dissolved (Filtered)	µg/L	300	630	-	-	-	-	1155	868.6	656.7	515.3
	Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	-	-	-	-	<0.2U	<0.09U	<0.2U	<0.2U
	Nickel, Dissolved (Filtered)	µg/L	100	<50U	-	-	-	-	6.44	6.6	10.23	4.88
	Potassium, Dissolved (Filtered)	µg/L		65,000	-	-	-	-	49,400	53,800	53,800	52,700
	Selenium, Dissolved (Filtered)	µg/L	10	<40U	-	-	-	-	<5U	<3.46U	<5U	<5U
	Silver, Dissolved (Filtered)	µg/L	50	<20U	-	-	-	-	<0.4U	<0.32U	<0.4U	<0.4U
	Sodium, Dissolved (Filtered)	µg/L	20000	400,000J	-	-	-	-	617,000	504,000	440,000	473,000
	Thallium, Dissolved (Filtered)	µg/L	0.5	<10U	-	-	-	-	0.23J	<0.28U	<0.5U	<0.5U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-	<5U	<3.14U	<5U	<5U
	Zinc, Dissolved (Filtered)	µg/L	2000	<50U	-	-	-	-	13.14	15.95J	33.09	<10U

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202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
Method Name	Analyte	Units	TOGS 1.1.1										
General Chemistry	Total Organic Halogen	ug/l		-	47.4	35.7	30.5	50.8	50.7	-	32.6	51.3J	-
	Alkalinity, Total	µg/L		530,000	560,000	807,000	718,000	492,000	569,000	-	534,000	<2000U	509,000
	Biological Oxygen Demand, Five day	µg/L		12,300	26,000	48,000	29,000	15,000	<10,000U	-	11,000	<10,000U	7500
	Chemical Oxygen Demand	µg/L		994,000	320,000	180,000	580,000	71,000	95,000	-	73,000	690,000	61,000
	Chloride	µg/L	250000	-	620,000	660,000	780,000	980,000	1,170,000	-	1,080,000	778,000	751,000
	Total Organic Carbon	µg/L		24,000	35,100	21,000	22,000	16,000	15,800	-	15,600	3600	14,300
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U	<0.05U
	Aroclor 1242	µg/L		<0.05U	0.279	<0.083U	<0.014U	0.026J	<0.0833U	<0.03U	0.103	<0.05U	<0.05U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	0.075J	<0.038U	<0.038U	0.525	<0.05U
	Aroclor 1254	µg/L		<0.05U	0.187	<0.083U	0.022J	<0.022U	0.058J	<0.014U	0.044J	0.367	<0.05U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.036J	<0.029U	<0.029U	0.128	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-	-
	PCBs, Total	µg/L	0.09	<0.05U	0.466	<0.083U	0.022J	0.026	0.169J	<0.038U	0.147J	1.02	<0.05U

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Site #C224133

Method Name	Analyte	Units	TOGS 1.1.1	Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
				Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
VOCs	1,1,1-trichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U	
	1,1,2,2-tetrachloroethane	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U	
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U	
	1,1,2-trichloroethane	µg/L	1		<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U	
	1,1-dichloroethane	µg/L	5		<1U	0.75J	1.1J	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U	
	1,1-dichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	0.22J	0.24J	<0.17U	<0.34U	
	1,2,3-trichlorobenzene	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U	
	1,2,4-trichlorobenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U	
	1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U	
	1,2-dibromoethane	µg/L	5		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U	
	1,2-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U	
	1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U	
	1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U	
	1,3-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U	
	1,4-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U	
	1,4-dioxane	µg/L			-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U	
	2-butanone	µg/L	50		<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U	
	2-hexanone	µg/L	50		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U	
	4-methyl-2-pentanone	µg/L			<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U	
	Acetone	µg/L	50		<10U	1.6J	<5U	<1.5U	<1.5U	<5U	2.3J	<0.9U	
	Benzene	µg/L	1		0.2	2.3	4	0.66	0.54	0.36J	<0.16U	0.7J	
	Bromochloromethane	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U	
	Bromodichloromethane	µg/L	5		<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U	
	Bromoform	µg/L	50		<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U	
	Bromomethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U	
	Carbon disulfide	µg/L	60		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.44U	
	Carbon tetrachloride	µg/L	5		<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U	
	Chlorobenzene	µg/L	5		1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U	
	Chloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U	
	Chloroform	µg/L	7		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U	
	Chloromethane	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U	
	cis-1,2-dichloroethene	µg/L	5		1.2	16	6.1	17	52	76	42	12.8	
	cis-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U	
	Cyclohexane	µg/L			<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U	
	Dibromochloromethane	µg/L	50		<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U	
	Dichlorodifluoromethane	µg/L	5		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U	
	Ethylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U	
	Isopropylbenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U	
	Methyl acetate	µg/L			-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U	
	Methyl cyclohexane	µg/L			<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U	
	Methyl tert butyl ether	µg/L	10		<0.5U	<2.5U	<2.5U	<0.7U	<0.7U	24	3.4	<0.26U	
	Methylene chloride	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U	
	o-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U	
	p/m-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U	
	Styrene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U	
	Tetrachloroethene	µg/L	5		<1U	2.2	0.52	1.8	11	5.2	0.86	<0.36U	
	Toluene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U	
	trans-1,2-dichloroethene	µg/L	5		<1U	<2.5U	0.78J	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U	
	trans-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U	
	Trichloroethene	µg/L	5		1.4J	9.1	2.2	4.8	20	14	3.2	0.55J	
	Trichlorofluoromethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U	
	Vinyl chloride	µg/L	2		2.7	5.5	5.6	12	8	5.6	3.6	<0.26U	

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TCL VOCs, TAL metals - total, and TAL metals - dissolved)

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
Method Name	Analyte	Units	TOGS 1.1.1									
Total Metals	Aluminum, Total	µg/L		<180U	2.89J	40	50	15.5	56.2	14,400	1080	44.2
	Antimony, Total	µg/L	3	<12U	0.52J	0.2J	0.3J	<0.42U	<4U	0.88J	<4U	<4U
	Arsenic, Total	µg/L	25	<8U	1.4	2.8	2.3	1.47	1.78	71.3	3.07	1.04
	Barium, Total	µg/L	1000	150	85.68	120.7	97.9	67.41	83.01	906.4	89.07	81.07
	Beryllium, Total	µg/L	3	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	2.04	<0.5U	<0.5U
	Cadmium, Total	µg/L	5	<4U	<0.2U	<0.2U	<0.1U	<0.05U	<0.2U	4.01	<0.2U	<0.2U
	Calcium, Total	µg/L		110,000	109,000	122,000	91,600	85,000	94,400	123,000	77,900	81,500
	Chromium, Total	µg/L	50	<50U	0.99J	7.7	7.3	4.01	12.18	4741	147.7	5.98
	Cobalt, Total	µg/L		<20U	1.15	1.5	1.3	1.82	2.65	47.81	2.62	1.37
	Copper, Total	µg/L	200	<50U	1.13J	1.9J	<0.3U	<0.38U	0.42J	193.4	5.64	<1U
	Iron, Total	µg/L	300	6400	3170	5040	4630	3750	5330	384,000	8690	3730
	Lead, Total	µg/L	25	<4U	<1U	1.1	0.7J	0.39J	0.71J	620	14.32	<1U
	Magnesium, Total	µg/L	35000	7300	7040	10,300	8580	9690	15,700	22,500	13,100	14,500
	Manganese, Total	µg/L	300	830	823.6	913.5	801.4	1074	1957	5535	1703	1974
	Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	0.11J	<0.06U	<0.2U	1.33	<0.2U	<0.2U
	Nickel, Total	µg/L	100	100	121.9	160	173.4	143.7	187.2	4745	265.7	124.7
	Potassium, Total	µg/L		13,000	9020	12,200	11,400	8360	8530	11,900	8870	8580
	Selenium, Total	µg/L	10	<40U	<5U	<5U	<1U	<1.73U	<5U	13.2	<5U	<5U
	Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	0.52	<0.4U	<0.4U
	Sodium, Total	µg/L	20000	330,000J	153,000	186,000	138,000	81,800	58,200	74,400	57,000	112,000
	Thallium, Total	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	0.42J	<0.5U	<0.5U
	Vanadium, Total	µg/L		<50U	<5U	<5U	<0.6U	<1.57U	<5U	63.64	<5U	<5U
	Zinc, Total	µg/L	2000	<50U	9.03J	42.6	<2.6U	<3.41U	3.89J	507.5	20.66	<10U
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	68.3	-	4J	<3.27U	4.06J	4.34J	11	<10U
	Antimony, Dissolved (Filtered)	µg/L	3	<12U	0.75J	-	0.4J	<0.42U	<4U	0.87J	<4U	<4U
	Arsenic, Dissolved (Filtered)	µg/L	25	<8U	5.08	-	1.2	0.69	0.6	0.53	0.68	0.7
	Barium, Dissolved (Filtered)	µg/L	1000	150	119.3	-	80.8	64.71	76.08	86.61	70.83	79.12
	Beryllium, Dissolved (Filtered)	µg/L	3	<4U	<0.5U	-	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U	<0.5U
	Cadmium, Dissolved (Filtered)	µg/L	5	<4U	0.05J	-	<0.1U	<0.05U	<0.2U	<0.05U	<0.2U	<0.2U
	Calcium, Dissolved (Filtered)	µg/L		130,000	118,000	-	126,000	87,900	97,300	92,400	81,600	86,400
	Chromium, Dissolved (Filtered)	µg/L	50	<50U	23.34	-	3	0.69J	0.69J	1.12	1.85	<1U
	Cobalt, Dissolved (Filtered)	µg/L		<20U	1.28	-	1.6	1.85	2.6	2.45	1.55	1.29
	Copper, Dissolved (Filtered)	µg/L	200	<50U	1.31	-	<0.3U	<0.38U	0.77J	<0.38U	<1U	3.79
	Iron, Dissolved (Filtered)	µg/L	300	980	13,400	-	652	172	22.8J	81.4	120	675
	Lead, Dissolved (Filtered)	µg/L	25	<4U	2.24	-	<0.1U	<0.34U	<1U	<0.34U	<1U	<1U
	Magnesium, Dissolved (Filtered)	µg/L	35000	8500	8240	-	7540	9920	15,900	16,800	13,200	14,900
	Manganese, Dissolved (Filtered)	µg/L	300	950	853.8	-	1038	1130	1688	2298	1675	1835
	Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	<0.2U	-	<0.06U	<0.06U	<0.2U	<0.09U	<0.2U	<0.2U
	Nickel, Dissolved (Filtered)	µg/L	100	110	135.9	-	158	142.7	169.5	196.3	142.3	111.1
	Potassium, Dissolved (Filtered)	µg/L		15,000	10,400	-	10,200	9080	8570	8650	8930	9210
	Selenium, Dissolved (Filtered)	µg/L	10	<40U	0.59J	-	<1U	<1.73U	<5U	<1.73U	<5U	<5U
	Silver, Dissolved (Filtered)	µg/L	50	<20U	0.13J	-	<0.1U	<0.16U	<0.4U	<0.16U	<0.4U	<0.4U
	Sodium, Dissolved (Filtered)	µg/L	20000	380,000J	175,000	-	185,000	84,800	63,400	63,000	59,400	135,000
	Thallium, Dissolved (Filtered)	µg/L	0.5	<10U	<0.5U	-	<0.1U	<0.14U	<0.5U	<0.14U	<0.5U	<0.5U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	0.54J	-	<0.6U	<1.57U	<5U	<1.57U	<5U	<5U
	Zinc, Dissolved (Filtered)	µg/L	2000	<50U	6.31J	-	<2.6U	<3.41U	<10U	<3.41U	<10U	<10U

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202-218 Morgan Avenue BCP Site
Site #C224133

		Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
		Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021	
		Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	
Method Name	Analyte	Units	TOGS 1.1.1									
General Chemistry	Total Organic Halogen	ug/l		-	50.4	27.9	26.3	63.6	74.8	61.9	28.1J	-
	Alkalinity, Total	ug/L		291,000	330,000	323,000	319,000	265,000	238,000	259,000	<2000U	233,000
	Biological Oxygen Demand, Five day	ug/L		10,300	14,000	3300	<2000U	<2000U	<2000U	13,000	<2000U	<2000U
	Chemical Oxygen Demand	ug/L		199,000	35,000	19,000J	37,000	4100J	<10,000U	280,000	26,000	<10,000U
	Chloride	ug/L	250000	-	250,000	240,000	170,000	91,000	108,000	120,000	81,600	164,000
	Total Organic Carbon	ug/L		5200	6440	3900	4000	2700	3940	2770	2200	2270
PCBs	Aroclor 1016	ug/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.05U	<0.05U
	Aroclor 1221	ug/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.05U	<0.05U
	Aroclor 1232	ug/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.05U	<0.05U
	Aroclor 1242	ug/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U	<0.05U	<0.05U
	Aroclor 1248	ug/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.038U	<0.05U	<0.05U
	Aroclor 1254	ug/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	<0.0833U	<0.014U	<0.05U	<0.05U
	Aroclor 1260	ug/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.029U	<0.05U	<0.05U
	Aroclor 1262	ug/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	Aroclor 1268	ug/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	PCBs, Total	ug/L	0.09	<0.05U	<0.083U	<0.083U	<0.012U	<0.014	<0.0833U	<0.083U	<0.05U	<0.05U

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			Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
Method Name	Analyte	Units	TOGS 1.1.1									
VOCs	1,1,1-trichloroethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	5	<1UJ	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U	<0.2U
	1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U	<0.35U
	1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U	<0.36U
	1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U	<0.74U
	1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U	<0.51U
	1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U	<0.34U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U	<0.48U
	1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U	<0.26U
	1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U	<0.5U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U	<7.43U
	2-butanone	µg/L	50	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U	<0.58U
	2-hexanone	µg/L	50	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U	<0.35U
	Acetone	µg/L	50	<10U	1.4J	<5U	<1.5U	<1.5U	<5U	<1.5U	<0.9U	<0.9U
	Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U	<0.39U
	Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U	<0.33U
	Bromoform	µg/L	50	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U	<0.45U
	Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U	<0.63U
	Carbon disulfide	µg/L	60	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.44U	<0.44U
	Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U	<0.25U
	Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U	<0.42U
	Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U	<0.4U
	Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U	<0.48U
	cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U	<0.3U
	cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U	<0.44U
	Dibromochloromethane	µg/L	50	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U	<0.33U
	Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U	<0.39U
	Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U	<0.36U
	Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U	<0.39U
	Methyl tert butyl ether	µg/L	10	<0.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.26U	<0.26U
	Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U	<0.54U
	o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U	<0.43U
	p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U	<0.78U
	Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U	<0.42U
	Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U	<0.36U
	Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U	<0.28U
	trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U	<0.19U
	trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U	<0.37U
	Trichloroethene	µg/L	5	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U	<0.36U
	Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U	<0.23U
	Vinyl chloride	µg/L	2	<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U	<0.26U	<0.26U

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
Method Name	Analyte	Units	TOGS 1.1.1									
Total Metals	Aluminum, Total	µg/L		220	230	39	2310	9.3J	15.1	1090	533	15
	Antimony, Total	µg/L	3	<12U	0.5J	0.7J	0.4J	<0.42U	<4U	<0.42U	<4U	<4U
	Arsenic, Total	µg/L	25	<8U	0.39J	0.7	0.8	0.33J	<0.5U	3.26	0.56	<0.5U
	Barium, Total	µg/L	1000	270	376.1	464.6	707.2	1023	803.5	815.1	479.4	383.9
	Beryllium, Total	µg/L	3	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U	<0.5U
	Cadmium, Total	µg/L	5	<4U	0.65	<0.2U	1.1	0.27	0.28	4.72	0.27	<0.2U
	Calcium, Total	µg/L		150,000	221,000	280,000	302,000	466,000	445,000	280,000	256,000	202,000
	Chromium, Total	µg/L	50	<50U	1.29	2.4	7	1.26	<1U	5.17	1.96	<1U
	Cobalt, Total	µg/L		<20U	0.21	0.2J	1.5	0.17J	<0.5U	1.21	<0.5U	<0.5U
	Copper, Total	µg/L	200	<50U	1.36J	1.9J	<0.3U	0.5J	<1U	10.64	2.1	<1U
	Iron, Total	µg/L	300	13,000	25,800	29,700	54,300	36,600	17,500	117,000	18,600	12,000
	Lead, Total	µg/L	25	7.8	2.72	0.9J	11.7	<1.71U	<1U	15.6	2.78	<1U
	Magnesium, Total	µg/L	35000	7700	10,000	17,400	17,300	23,300	27,700	19,100	16,800	14,600
	Manganese, Total	µg/L	300	780	1180	1368	1654	1559	901.3	577.7	627.7	505.4
	Mercury, Total	µg/L	0.7	<1U	<0.2U	<0.2U	<0.06U	<0.06U	<0.2U	<0.09U	<0.2U	<0.2U
	Nickel, Total	µg/L	100	<50U	0.93	1.9	5.1	1.98J	<2U	3.13	4.31	<2U
	Potassium, Total	µg/L		18,000	15,900	22,600	26,100	32,700	31,600	24,400	25,100	21,700
	Selenium, Total	µg/L	10	<40U	<5U	<5U	<1U	<1.73U	<5U	<1.73U	<5U	<5U
	Silver, Total	µg/L	50	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	<0.16U	<0.4U	<0.4U
	Sodium, Total	µg/L	20000	420,000J	504,000	519,000	731,000	1,350,000	1,020,000	568,000	673,000	663,000
	Thallium, Total	µg/L	0.5	<10U	<0.5U	<0.5U	<0.1U	<0.71U	<0.5U	<0.14U	<0.5U	<0.5U
	Vanadium, Total	µg/L		<50U	2.15J	<5U	8.3	<1.57U	<5U	7.25	<5U	<5U
	Zinc, Total	µg/L	2000	<50U	6.77J	30	8.2J	<3.41U	<10U	60.33	<10U	<10U
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	3.95J	-	3J	<16.4U	4.28J	<3.27U	17.9	<10U
	Antimony, Dissolved (Filtered)	µg/L	3	<12U	0.19J	-	0.6J	<2.14U	<4U	0.79J	<4U	<4U
	Arsenic, Dissolved (Filtered)	µg/L	25	<8U	0.89	-	<0.1U	<0.82U	<0.5U	<0.16U	<0.5U	<0.5U
	Barium, Dissolved (Filtered)	µg/L	1000	200	366.9	-	658.2	910.4	694.3	359	383.3	334
	Beryllium, Dissolved (Filtered)	µg/L	3	<4U	<0.5U	-	<0.2U	<0.53U	<0.5U	<0.1U	<0.5U	<0.5U
	Cadmium, Dissolved (Filtered)	µg/L	5	<4U	<0.2U	-	<0.1U	<0.29U	0.09J	0.97	<0.2U	<0.2U
	Calcium, Dissolved (Filtered)	µg/L		160,000	217,000	-	358,000	455,000	419,000	243,000	243,000	199,000
	Chromium, Dissolved (Filtered)	µg/L	50	<50U	1.56	-	1.6J	<0.89U	<1U	<0.17U	<1U	<1U
	Cobalt, Dissolved (Filtered)	µg/L		<20U	0.33J	-	<0.1U	<0.81U	<0.5U	0.29J	<0.5U	<0.5U
	Copper, Dissolved (Filtered)	µg/L	200	<50U	0.68J	-	<0.3U	<1.92U	1.1	0.4J	1.52	<1U
	Iron, Dissolved (Filtered)	µg/L	300	1200	19,400	-	26,500	19,200	43J	101	55.3	3930
	Lead, Dissolved (Filtered)	µg/L	25	<4U	<1U	-	<0.1U	<1.71U	<1U	<0.34U	<1U	<1U
	Magnesium, Dissolved (Filtered)	µg/L	35000	8200	11,600	-	17,900	24,300	24,900	18,000	16,300	13,800
	Manganese, Dissolved (Filtered)	µg/L	300	810	971.8	-	1939	1551	744.6	361.7	522.6	582.4
	Mercury, Dissolved (Filtered)	µg/L	0.7	<1U	<0.2U	-	<0.06U	<0.06U	<0.2U	<0.09U	<0.2U	<0.2U
	Nickel, Dissolved (Filtered)	µg/L	100	<50U	3.29	-	5	<2.78U	1.44J	1J	<2U	<2U
	Potassium, Dissolved (Filtered)	µg/L		19,000	17,800	-	25,500	33,600	29,500	21,200	23,300	22,000
	Selenium, Dissolved (Filtered)	µg/L	10	<40U	1.08J	-	<1U	<8.65U	<5U	<1.73U	<5U	<5U
	Silver, Dissolved (Filtered)	µg/L	50	<20U	<0.4U	-	<0.1U	<0.81U	<0.4U	<0.16U	<0.4U	<0.4U
	Sodium, Dissolved (Filtered)	µg/L	20000	450,000J	500,000	-	866,000	1,320,000	1,060,000	558,000	666,000	684,000
	Thallium, Dissolved (Filtered)	µg/L	0.5	<10U	<0.5U	-	<0.1U	<0.71U	<0.5U	<0.14U	<0.5U	<0.5U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	0.48J	-	<0.6U	<7.85U	<5U	<1.57U	<5U	<5U
	Zinc, Dissolved (Filtered)	µg/L	2000	<50U	3.82J	-	<2.6U	<17.05U	3.79J	15.21	<10U	<10U

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202-218 Morgan Avenue BCP Site
Site #C224133

			Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
Method Name	Analyte	Units	TOGS 1.1.1									
General Chemistry	Total Organic Halogen	ug/l		-	40.5	62.1	11.9J	40.8	46.2	111	51J	51
	Alkalinity, Total	ug/L		613,000	575,000	564,000	521,000	505,000	453,000	429,000	<2000U	536,000
	Biological Oxygen Demand, Five day	ug/L		<6000U	3400	<2000U	<2000U	2800	<2000U	<2000U	<2000U	<2000U
	Chemical Oxygen Demand	ug/L		359,000	49,000	42,000	56,000	55,000	29,000	35,000	22,000	59,000
	Chloride	ug/L	250000	-	740,000	940,000	1,400,000	2,300,000	2,240,000	1,040,000	1,230,000	1,030,000
	Total Organic Carbon	ug/L		5500	7620	2200	1600	1000	3690J	1550	<2000U	2110
PCBs	Aroclor 1016	ug/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.02U	<0.05U	<0.05U
	Aroclor 1221	ug/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.028U	<0.05U	<0.05U
	Aroclor 1232	ug/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.058U	<0.05U	<0.05U
	Aroclor 1242	ug/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.045U	<0.05U	<0.05U
	Aroclor 1248	ug/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.057U	<0.05U	<0.05U
	Aroclor 1254	ug/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	<0.0833U	<0.021U	<0.05U	<0.05U
	Aroclor 1260	ug/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.043U	<0.05U	<0.05U
	Aroclor 1262	ug/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	Aroclor 1268	ug/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	PCBs, Total	ug/L	0.09	<0.05U	<0.083U	<0.083U	<0.012U	<0.014	<0.0833U	<0.083U	<0.05U	<0.05U

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			Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1	MW-2R	MW-2R	MW-2R
Method Name	Analyte	Units	TOGS 1.1.1									
VOCs	1,1,1-trichloroethane	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	5	<1UJ	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U	<0.2U
	1,1,2-trichloroethane	µg/L	1	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U	<0.35U
	1,1-dichloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	0.7J	<2.5U	<0.7U	<0.36U	<0.36U
	1,1-dichloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U	<0.74U
	1,2,4-trichlorobenzene	µg/L	5	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	0.04	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U	<0.51U
	1,2-dibromoethane	µg/L	5	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U	<0.34U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U	<0.48U
	1,2-dichloroethane	µg/L	0.6	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U	<0.26U
	1,2-dichloropropane	µg/L	1	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U	<0.5U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U	<7.43U
	2-butanone	µg/L	50	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U	<0.58U
	2-hexanone	µg/L	50	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U	<0.35U
	Acetone	µg/L	50	<10U	2.7J	<5U	<1.5U	<1.5U	<5U	<1.5U	<0.9U	<0.9U
	Benzene	µg/L	1	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U	<0.39U
	Bromodichloromethane	µg/L	5	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U	<0.33U
	Bromoform	µg/L	50	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U	<0.45U
	Bromomethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U	<0.63U
	Carbon disulfide	µg/L	60	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.44U	<0.44U
	Carbon tetrachloride	µg/L	5	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U	<0.25U
	Chlorobenzene	µg/L	5	<1U	<2.5U	<2.5U	0.86J	<0.7U	<2.5U	<0.7U	<0.42U	<0.42U
	Chloroethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U	<0.4U
	Chloroform	µg/L	7	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.27U	<0.48U	<0.48U
	cis-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	1.7J	66	23	<0.7U	<0.3U	<0.3U
	cis-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U	<0.44U
	Dibromochloromethane	µg/L	50	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U	<0.33U
	Dichlorodifluoromethane	µg/L	5	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U	<0.39U
	Ethylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U	<0.36U
	Isopropylbenzene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U	<0.39U
	Methyl tert butyl ether	µg/L	10	<0.5U	10	0.99J	5.5	4.8	83	<0.7U	<0.26U	<0.26U
	Methylene chloride	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U	<0.54U
	o-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U	<0.43U
	p/m-xylene	µg/L	5	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U	<0.78U
	Styrene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U	<0.42U
	Tetrachloroethene	µg/L	5	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U	<0.36U
	Toluene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U	<0.28U
	trans-1,2-dichloroethene	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U	<0.19U
	trans-1,3-dichloropropene	µg/L	0.4	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U	<0.37U
	Trichloroethene	µg/L	5	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U	<0.36U
	Trichlorofluoromethane	µg/L	5	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U	<0.23U
	Vinyl chloride	µg/L	2	6.2	<1U	3.5	6.8	100	37	0.55J	<0.26U	<0.26U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State
Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational
Guidance Series (June 1998).

^{#1} - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Groundwater Sample Laboratory Analytical Results

202-218 Morgan Avenue BCP Site
Site #C224133

Method Name	Analyte	Units	Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021
			Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1	MW-2R	MW-2R	MW-2R
Total Metals	Aluminum, Total	µg/L	TOGS 1.1.1	1700J	4070	1660	1110	16.9	272	358	221	196
	Antimony, Total	µg/L		<12U	4.21	2.4	0.8J	<0.42U	<4U	0.47J	<4U	<4U
	Arsenic, Total	µg/L		25	19.91	8.5	2.7	1.4	1.77	4.43	4.2	5.27
	Barium, Total	µg/L		1000	160	167.5	224.5	225.3	277.4	192.2	366.9	365.5
	Beryllium, Total	µg/L		3	<4U	0.21J	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U
	Cadmium, Total	µg/L		5	<4U	2.45	0.1J	0.4	0.08J	0.22	<0.05U	<0.2U
	Calcium, Total	µg/L			280,000	240,000	84,900	181,000	256,000	160,000	95,400	90,300
	Chromium, Total	µg/L		50	<50U	14.57	10.1	18.8	2.73	5.81	1.94	1.31
	Cobalt, Total	µg/L			<20U	6.66	2.3	2	1.36	1.51	0.38J	<0.5U
	Copper, Total	µg/L		200	<50U	88.29	26.2	18.3	<0.38U	7.73	4.86	2.84
	Iron, Total	µg/L		300	9000J	30,600	24,000	7430	3690	4730	18,900	17,800
	Lead, Total	µg/L		25	49J	375.6	165.3	76.1	0.83J	17.16	22.73	13.68
	Magnesium, Total	µg/L		35000	120,000	137,000	33,800	31,500	39,900	28,500	44,300	41,300
	Manganese, Total	µg/L		300	790	1016	624.2	2788	2707	1841	984.3	857.4
	Mercury, Total	µg/L		0.7	<1U	12.5	0.36	0.1J	<0.06U	<0.2U	<0.09U	<0.2U
	Nickel, Total	µg/L		100	<50U	45.52	6.1	20.4	7.27	9.07	0.65J	<2U
	Potassium, Total	µg/L			48,000	70,000	15,300	16,500	19,200	14,200	19,300	18,600
	Selenium, Total	µg/L		10	<40U	1.18J	<5U	<1U	<1.73U	<5U	<1.73U	<5U
	Silver, Total	µg/L		50	<20U	0.33J	<0.4U	0.1J	<0.16U	<0.4U	<0.16U	<0.4U
	Sodium, Total	µg/L		20000	660,000J	1,130,000	215,000	333,000	478,000	325,000	250,000	238,000
	Thallium, Total	µg/L		0.5	<10U	0.11J	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U	<0.5U
	Vanadium, Total	µg/L			<50U	22.13	7.6	4.1J	<1.57U	1.61J	1.68J	<5U
	Zinc, Total	µg/L		2000	76	1320	69.9	114.1	3.89J	31.44	6.78J	<10U
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L			<180U	-	-	4J	-	6.66J	<3.27U	<10U
	Antimony, Dissolved (Filtered)	µg/L		3	<12U	-	-	0.7J	-	0.55J	0.93J	<4U
	Arsenic, Dissolved (Filtered)	µg/L		25	<8U	-	-	1	-	1.01	0.61	<0.5U
	Barium, Dissolved (Filtered)	µg/L		1000	160	-	-	213.5	-	180.8	272.9	305.4
	Beryllium, Dissolved (Filtered)	µg/L		3	<4U	-	-	<0.2U	-	<0.5U	<0.1U	<0.5U
	Cadmium, Dissolved (Filtered)	µg/L		5	<4U	-	-	<0.1U	-	<0.2U	<0.05U	<0.2U
	Calcium, Dissolved (Filtered)	µg/L			310,000	-	-	247,000	-	183,000	89,800	94,600
	Chromium, Dissolved (Filtered)	µg/L		50	<50U	-	-	3.3	-	0.97J	<0.17U	<1U
	Cobalt, Dissolved (Filtered)	µg/L			<20U	-	-	1.7	-	1.59	<0.16U	<0.5U
	Copper, Dissolved (Filtered)	µg/L		200	<50U	-	-	<0.3U	-	0.4J	<0.38U	1.06
	Iron, Dissolved (Filtered)	µg/L		300	750	-	-	2090	-	24.4J	1010	269
	Lead, Dissolved (Filtered)	µg/L		25	<4U	-	-	0.1J	-	<1U	<0.34U	<1U
	Magnesium, Dissolved (Filtered)	µg/L		35000	140,000	-	-	32,800	-	26,600	45,500	43,600
	Manganese, Dissolved (Filtered)	µg/L		300	860	-	-	3892	-	1726	930.6	826.2
	Mercury, Dissolved (Filtered)	µg/L		0.7	<1U	-	-	<0.06U	-	<0.2U	<0.09U	<0.2U
	Nickel, Dissolved (Filtered)	µg/L		100	<50U	-	-	14.6	-	8.42	0.73J	<2U
	Potassium, Dissolved (Filtered)	µg/L			54,000	-	-	16,800	-	15,800	18,200	19,400
	Selenium, Dissolved (Filtered)	µg/L		10	<40U	-	-	<1U	-	<5U	<1.73U	<5U
	Silver, Dissolved (Filtered)	µg/L		50	<20U	-	-	<0.1U	-	<0.4U	<0.16U	<0.4U
	Sodium, Dissolved (Filtered)	µg/L		20000	750,000J	-	-	470,000	-	425,000	230,000	257,000
	Thallium, Dissolved (Filtered)	µg/L		0.5	<10U	-	-	<0.1U	-	<0.5U	<0.14U	<0.5U
	Vanadium, Dissolved (Filtered)	µg/L			<50U	-	-	<0.6U	-	<5U	<1.57U	<5U
	Zinc, Dissolved (Filtered)	µg/L		2000	<50U	-	-	<2.6U	-	4.89J	<3.41U	<10U

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Table 3
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Site #C224133

Method Name	Analyte	Units	TOGS 1.1.1	Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020
				Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1	MW-1	MW-2R	MW-2R
General Chemistry	Total Organic Halogen	ug/l			-	46.1	22	24.7	61.1	56.7	-	29.1	55.5J
	Alkalinity, Total	µg/L			-	391,000	315,000	436,000	403,000	363,000	-	300,000	<2000U
	Biological Oxygen Demand, Five day	µg/L			-	23,000	<5000U	<10,000U	<2000U	3300	-	3100	3000
	Chemical Oxygen Demand	µg/L			-	230,000	80,000	44,000	27,000	24,000	-	44,000	16,000
	Chloride	µg/L	250000		-	1,300,000	350,000	560,000	840,000	737,000	-	472,000	508,000
	Total Organic Carbon	µg/L			-	22,700	3400	3400	1800	4250	-	1790	940
PCBs	Aroclor 1016	µg/L			<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U
	Aroclor 1221	µg/L			<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U
	Aroclor 1232	µg/L			<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1242	µg/L			<0.05U	<0.083U	<0.083U	<0.014U	0.061	<0.0833U	<0.03U	<0.03U	<0.05U
	Aroclor 1248	µg/L			<0.05U	<0.083U	<0.083U	0.41	<0.014U	0.218	<0.038U	<0.038U	<0.05U
	Aroclor 1254	µg/L			<0.05U	<0.083U	<0.083U	0.238	<0.022U	0.124	<0.014U	<0.014U	<0.05U
	Aroclor 1260	µg/L			<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.031J	<0.029U	<0.029U	<0.05U
	Aroclor 1262	µg/L			-	<0.083U	<0.083U	-	-	-	-	-	-
	Aroclor 1268	µg/L			-	<0.083U	<0.083U	-	-	-	-	-	-
	PCBs, Total	µg/L	0.09		<0.05U	<0.083U	<0.083U	0.648	0.061	0.373	<0.038U	<0.083U	<0.05U

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Appendices

Appendix A

Annual Site-Wide Inspection Form

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITENUMBER C224133

NAME OF INSPECTOR: ___Damian Vanetti___

COMPANY OF INSPECTOR: GHD Consulting Services, Inc. ___

DATE OF INSPECTION: 11-17-21

CURRENT USE OF THE SITE: ___Commercial – Vehicle Parking and staging___

HAS A CHANGE OF LAND-USE OCCURRED SINCE THE LAST INSPECTION?
___ YES X NO

IF YES, EXPLAIN HOW THE SITE HAS CHANGED: _____

IS THERE EVIDENCE OF LAND-USE OTHER THAN FOR INDUSTRIAL SINCE THE
LAST INSPECTION?
___ YES X NO

IF YES, EXPLAIN THE NON-INDUSTRIAL LAND USE: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST
INSPECTION? ___ YES X NO

IF YES, EXPLAIN HOW THE SITE HAS CHANGED: _____

GENERAL DESCRIPTION OF THE COVER: ___Site is primarily asphalt paving with small
grassed islands at southeast and southwest corners. Perimeters outside the fence on the south is
riprap stone cover and bulkhead at waters edge; to east is soil cover with vegetation and
bulkhead at waters edge. No observed erosion of soil covers. ___

HAS THE COVER BEEN COMPROMISED? X YES ___ NO

IF YES, EXPLAIN HOW THE COVER HAS CHANGED: _____
An isolated area on the southeast corner where the concrete barricade blocks have shifted, and the stone fill below is
eroding

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITENUMBER C224133

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?

____ YES X NO

IF YES, EXPLAIN HOW THE SITE COVER CONDITIONS CHANGED: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?

 X YES ____ NO

IF YES, EXPLAIN WHAT MAINTAINENCE IS REQUIRED: Surface cracks in pavement need to be sealed. Woody growth on perimeter outside the fence needs woody growth removed. The area on southeast corner where concrete barricades have shifted needs to be inspected and repaired as appropriate.

ARE SIGNIFICANT EROSION RILLS OR CRACKING PRESENT?

____ YES X NO

IF YES, EXPLAIN WHERE EROSION RILLS OR CRACKING ARE PRESENT: _____

No significant cracks that expose underlying materials

IS PONDING PRESENT?

____ YES X NO

IF YES, EXPLAIN WHERE PONDING IS PRESENT AND THE ASSOCIATED DEPTH:

IS ANY SOIL WASTE MATERIAL EXPOSED?

____ YES X NO

IF YES, EXPLAIN WHERE SOIL WASTE MATERIAL ARE EXPOSED:

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITENUMBER C224133

IS THERE A VISABLE CHANGE IN THE DESIGNATED DRAINAGE PATTERN?

____ YES X NO

IF YES, EXPLAIN WHERE THE VISABLE CHANGE IN THE DESIGNATED DRAINAGE PATTERN ARE LOCATED: _____

IS SETTLEMENT OR SUBSIDENCE VISIBLE?

____ YES X NO

IF YES, EXPLAIN WHERE SETTLEMENT OR SUBSIDENCE VISIBLE IS LOCATED:

ARE SIGNIFICANT EROSION RILLS OR CRACKING PRESENT?

____ YES X NO

IF YES, EXPLAIN WHERE EROSION RILLS OR CRACKING ARE PRESENT: _____

ARE ALL GROUNDWATER MONITORING WELLS MAINTAINED PROPERLY AND IN GOOD PHYSICAL CONDITION?

 X YES ____ NO

IF NO, EXPLAIN HOW THE GROUNDWATER MONITORING WELLS HAVE BEEN COMPROMISED:

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITENUMBER C224133

IS THERE ANY EVIDENCE THAT GROUNDWATER IS BEING USED FOR ANY PURPOSE?

 YES X NO

IF YES, EXPLAIN HOW GROUNDWATER IS BEING USED:

ADDITIONAL OBSERVATIONS, CONCLUSIONS, OR RECOMMENDATIONS:

Reportedly, Frito Lay is scheduled to conduct maintenance items including repairs to surface cracks in asphalt paving, removal of woody tree growth and resetting concrete blocks on the bulkhead along southeast corner.

Recommend Oil/Water separator be inspected and cleaned out as needed

Purge water drums staged at south west corner should be checked and if full properly disposed of off-site

ANY CHANGES TO THE SITE OR REQUIRED MAINTENANCE SHOULD BE MARKED
IN THE CORRESPONDING LOCATIONS ON AN ATTACHED MAP

Appendix B

NYSDEC EQuIS Approval

Ian McNamara

From: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Sent: Tuesday, December 14, 2021 5:04 PM
To: Ian McNamara
Cc: Post, Charles H (DEC)
Subject: RE: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2021 Groundwater Monitoring EQulS Submittal

CompleteRepository: 8616480
Description: Frito-Lay Brooklyn BCP
JobNo: 8616480
OperatingCentre: 564
RepoEmail: 8616480@ghd.com
RepoType: Project

Ian,

Thank you for your EDD submission. NYSDEC has successfully uploaded the data from the EDDs "20211018 0909.C224133.NYSDEC_MERGE" and "20211018 0911.C224133.NYSDEC_MERGE" to Frito Lay in the NYSDEC database and the data is available for use within the system.

Aaron
NYSDEC EIMS Team



**Department of
Environmental
Conservation**

From: Ian McNamara <Ian.McNamara@ghd.com>
Sent: Monday, October 18, 2021 9:13 AM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: Post, Charles H (DEC) <charles.post@dec.ny.gov>
Subject: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2021 Groundwater Monitoring EQulS Submittal

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hello,

Attached are 2 EDDs for the 2021 annual sampling event completed at the above referenced site in May. One contains field parameters and water levels and one contains laboratory analytical results.
Please let me know if edits are needed for a successful upload.

Thank you,
Ian

Ian McNamara
Geologist

GHD

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5788 Widewaters Parkway Syracuse New York 13214 USA

D 315 802 0312 | **M** 315 368 8432 | **E** ian.mcnamara@ghd.com

➔ **The Power of Commitment**

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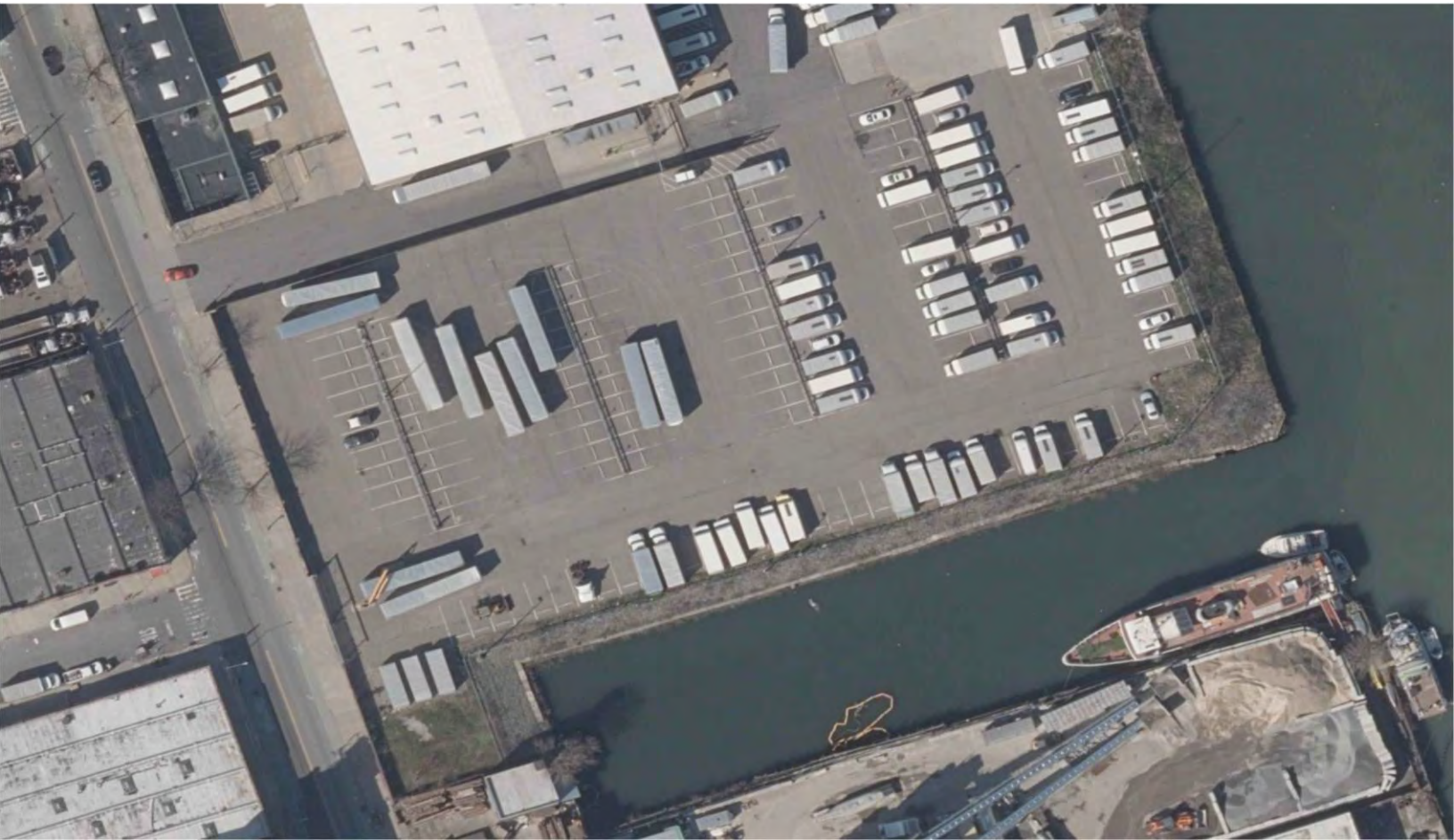
Periodic Review Report

**202-218 Morgan Avenue BCP Site
(#C224133) – November 22, 2021 to
November 22, 2022 Reporting Period**

Rolling Frito-Lay Sales, LP

January 17, 2023

➔ **The Power of Commitment**



GHD 337

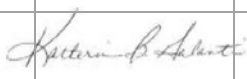
5788 Widewaters Parkway

Syracuse, New York 13214, United States

T 315.802.0260 | F 315.802.0405 | E info-northamerica@ghd.com | **ghd.com**

Printed date	1/17/2023 11:24:00 AM
Last saved date	January 17, 2023
File name	
Author	Carlene Eaton
Project manager	Katherine Galanti
Client name	Rolling Frito-Lay Sales, LP
Project name	Frito-Lay Brooklyn BCP
Document title	Periodic Review Report 202-218 Morgan Avenue BCP Site (#C224133) – November 22, 2021 to November 22, 2022 Reporting Period
Revision version	Rev [00]
Project number	12574234

Document status

Status Code	Revision	Author	Reviewer		Approved for issue		
			Name	Signature	Name	Signature	Date
S4	0	Carlene Eaton	Katherine Galanti		Damian Vanetti		1/17/23
[Status code]							
[Status code]							
[Status code]							

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



Site No. C224133

Site Details

Box 1

Site Name Frito Lay

Site Address: 202-218 Morgan Avenue **Zip Code:** 11237
City/Town: Brooklyn
County: Kings
Site Acreage: 2.8

Reporting Period: November 22, 2021 to November 22, 2022

- | | YES | NO |
|--|-------------------------------------|-------------------------------------|
| 1. Is the information above correct? | ☒ | ☐ |
| 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? | ☐ | ☒ |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | ☐ | ☒ |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | ☐ | ☒ |
| 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? | ☐ | ☒ |

Box 2

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

**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

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

☐ ☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

☒ ☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C224133**Box 3****Description of Institutional Controls**

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
3-02942-0105	Rolling Frito Lay Sales, LP	Soil Management Plan Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan
A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP). The ICs are: Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns; All ECs must be operated and maintained as specified in the SMP; All ECs must be inspected at a frequency and in a manner defined in the SMP. Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP; Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP; All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP; Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are: The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed. The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC; All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP; The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use; The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;		

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0111

Rolling Frito Lay Sales, LP

Soil Management Plan
Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0112

Rolling Frito Lay Sales, LP

Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan
Soil Management Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Box 4

Description of Engineering Controls

Parcel

3-02942-0105

Engineering Control

Vapor Mitigation

Cover System

Subsurface Barriers

Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to

Parcel**Engineering Control**

discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0111

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

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The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0112

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards

Parcel

Engineering Control

or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

☒ ☐

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

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

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

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

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

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

YES NO

☒ ☐

**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. C224133

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 Keith Massa at 7701 Legacy Drive, Plano, TX 75024-4099
print name print business address

am certifying as Owner (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

1-16-23

Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

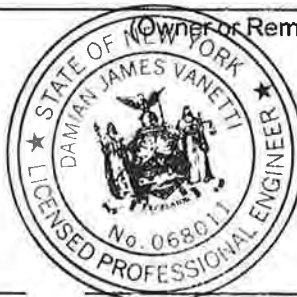
I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Damian J. Vanetti at GHD Consulting Services Inc.
5788 Widewaters Parkway, Syracuse, NY 13214
print name print business address

am certifying as a Professional Engineer for the Owner
(Owner or Remedial Party)



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



Stamp
(Required for PE)

1-16-23

Date

Executive Summary

The 202-218 Morgan Avenue Brownfield Cleanup Program (BCP) Site (BCP Site #224133) consists of approximately 2.85-acres of land located at 202-218 Morgan Avenue, Borough of Brooklyn, Kings County, New York. The Site owner is Rolling Frito-Lay Sales, LP (Frito-Lay). The Site soil and groundwater were historically found to be contaminated with metals, polychlorinated biphenyls (PCBs), semi-volatile organic compounds (SVOCs), and volatile organic compounds (VOCs), and Site soil vapor was found to be contaminated with volatile organic compounds (VOCs). The Site was remediated to industrial use cleanup standards and received a Certificate of Completion (COC) from the New York State Department of Environmental Conservation (NYSDEC) on November 6, 2013.

The Site is currently in the monitoring stage, including annual inspections and annual groundwater monitoring, with groundwater samples being collected from on-Site and off-Site monitoring wells. In general, increasing, decreasing, and relatively stable concentrations are observed for the various parameters across the Site, with no distinct discernable trends recognizable at this time. The concentrations of detected compounds in Site groundwater samples do not indicate the need for further assessment or further action currently. It is noted that the Site groundwater quality could be influenced by the adjacent English Kills and/or upgradient groundwater for certain compounds.

The institutional controls and engineering controls for the Site remain in place and effective for protecting human health and the environment. The soil cover engineering controls remain in place and are functioning as intended. At the time of the annual site inspection (November 16, 2022), the major surface cracks present in the asphalt pavement were sealed and only minor cracks remain. In addition, the southeast corner of the retaining wall has been repaired and is continuing to function as intended, and the concrete barrier blocks have been reset and secured.

Annual groundwater monitoring has been completed in accordance with the Site Management Plan (SMP). There are no new buildings constructed on-Site and the existing warehouse on the adjacent property to the north has not been expanded. As a result, there is no requirement for a sub-slab depressurization system (SSDS) engineering control. The institutional and engineering controls certification form, as issued by the Department, has been completed and is included as Attachment 1 at the beginning of this report.

A revision to the SMP is being prepared to reflect changes in Frito Lay contacts and to update the format to the current NYSDEC template. There is no need to propose a change to the frequency of PRR submittals at this time.

Groundwater will continue to be monitored on an annual basis and Site inspections will continue to be performed on an annual basis, in accordance with the SMP. If buildings are constructed in the future, they will be evaluated to determine if mitigation of soil vapor intrusion is necessary. The requirements necessary to discontinue Site monitoring and Site Engineering and Institutional Controls have not been met at this time.

This report is subject to, and must be read in conjunction with, the limitations set out in the report and the assumptions and qualifications contained throughout the report.

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Appendices

Appendix A	Annual Site-Wide Inspection Form
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Attachments

Attachment 1 – Institutional and Engineering Controls Certification Form (prior to Executive Summary)
No table of contents entries found.

1. Introduction

1.1 Purpose of this Report

This Periodic Review Report (PRR) is being submitted on behalf of Rolling Frito-Lay Sales, LP (Frito-Lay) for the 202-218 Morgan Avenue Brownfield Cleanup Program (BCP) Site (BCP Site No. C224133) located at 202-218 Morgan Avenue, Borough of Brooklyn, Kings County, New York (Figure 1). The purpose of this PRR and attached documents is to document that institutional and engineering controls, as described in the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP) and Environmental Easement (EE), are in place in accordance with 6NYCRR Part 375-3. The following elements are included in this report:

- A complete description of all institutional and/or engineering controls employed at the Site
- An evaluation of the plans developed for implementation of the engineering and institutional controls, regarding the continued effectiveness of any institutional and/or engineering controls required by the decision document for the Site
- A certification prepared by a professional engineer or qualified environmental professional that the institutional controls and/or engineering controls employed at the Site during the period are:
 - Unchanged from the previous certification, unless approved by the Department, consistent with the SMP
 - In place and effective
 - Performing as designed, and that nothing has occurred that would (1) impair the ability of the controls to protect public health and the environment, or (2) constitute a violation or failure to comply with any operation and maintenance plan for such controls
- The institutional and engineering controls certification form as issued by the Department has been completed and included at the beginning of this report
- Data tables and figures depicting results of annual groundwater monitoring activities conducted on- and off-Site.

1.2 Certification Period

NYSDEC requested that this PRR cover the period between November 22, 2021 and November 22, 2022. During this period, Frito-Lay performed periodic inspections of the soil cover engineering control on-Site. GHD Consulting Services Inc. (GHD), on behalf of Frito-Lay, performed annual groundwater monitoring, conducted an annual visual inspection of engineering controls on-Site, and prepared this PRR.

1.3 Scope and Limitations

This report has been prepared by GHD for Rolling Frito-Lay Sales, LP and may only be used and relied on by Rolling Frito-Lay Sales, LP for the purpose agreed between GHD and Rolling Frito-Lay Sales, LP as set out in this report.

GHD otherwise disclaims responsibility to any person other than Rolling Frito-Lay Sales, LP arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions, and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions, and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

The opinions, conclusions, and any recommendations in this report are based on information obtained from, and testing undertaken at or in connection with, specific sample points. Site conditions at other parts of the Site may be different from the Site conditions found at the specific sample points.

Investigations undertaken in respect of this report are constrained by the particular Site conditions, such as the location of buildings, services and vegetation. As a result, not all relevant Site features and conditions may have been identified in this report.

Site conditions (including the presence of hazardous substances and/or Site contamination) may change after the date of this Report. GHD does not accept responsibility arising from, or in connection with, any change to the Site conditions. GHD is also not responsible for updating this report if the Site conditions change.

GHD has prepared this report on the basis of information provided by Rolling Frito-Lay Sales, LP and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

2. Site Overview

The Site is in the Borough of Brooklyn, Kings County, New York and is identified as Block 2942 and Lots 105, 111, and 112 on the NYSDEC Institutional and Engineering Controls Certification Form. Information obtained from the New York City Finance Department Online Tax Maps identifies the Site as Block 2942 and Lot 105, with no matching records for Lots 111 and 112. The Site is approximately 2.85-acres that were entered into the BCP, and Frito Lay owns a total of 3.23 acres at the location. The Site is bound by an adjacent parcel to the north owned by Rolling Frito-Lay Sales, LP which is used for distribution activities; English Kills to the east; the English Kills basin, and an adjacent industrial parcel to the south; and Morgan Avenue to the west with commercial and industrial properties farther west (see Figure 2).

The Site is currently developed with an asphalt pavement parking area used for parking Frito-Lay delivery vehicles and employee vehicles. The portion of the Site not occupied by asphalt pavement consists of minor grass-covered landscaping areas and rip-rap adjacent to English Kills and the English Kills basin.

The Remedial Investigation (RI), which was conducted under Brownfield Cleanup Agreement (BCA) Index #A2-0622-0709 during 2009 and 2010, characterized the nature and extent of contamination at the Site. The results of the RI, as reported in the *Revised Remedial Investigation Report* (Gannett Fleming, P.C., July 2010) and the *Supplemental Remedial Investigation and Second Supplemental Remedial Investigation Report* (Gannett Fleming, P.C., April 2011) determined that contaminants of concern (COCs) were present in Site soil, groundwater, and soil vapor. It was determined that Site surface and subsurface soils contained arsenic, lead, mercury, polychlorinated biphenyls (PCBs), and semi-volatile organic compounds (SVOCs) at concentrations that exceeded the Unrestricted Use Soil Cleanup Objectives (SCOs). Analytical results of Site groundwater samples identified arsenic, lead, and volatile organic compounds (VOCs) at concentrations that exceeded the Technical and Operational Guidance Series (TOGS) Class GA groundwater standards or guidance values. VOCs were also detected in Site soil vapor samples.

A Remedial Work Plan (RWP) was prepared by Gannett Fleming, P.C. (August 2011). The remedial goals for the Site included:

- removing or eliminating significant threats to human health and the environment.
- protecting human health and the environment during the contemplated future use of the Site, which was identified as industrial in accordance with the BCA and DER-10.

The proposed remedial approach was to remediate the Site to a Track 4 Restricted Use by meeting the Industrial Use SCOs. This remediation approach included excavation of soil/fill exceeding Site-specific remedial action objectives (RAOs), excavation of soil/fill exceeding the Industrial Use SCOs, and implementation of engineering/institutional controls. Remedial activities were completed at the Site in February 2013. Soil/fill excavation included:

- the removal of approximately 16,513 tons of hazardous PCB soil (PCB concentrations in excess of 50 mg/kg)
- the removal of approximately 4,096 tons of non-hazardous PCB soil (PCB concentrations in excess of 10 mg/kg or 25 mg/kg, depending on the excavation area)
- the removal of approximately 619 tons of arsenic, lead, and mercury contaminated soil with concentrations exceeding the Protection of Groundwater and/or Industrial Use SCOs
- the placement of imported clean fill material back into the excavation areas.

Excavated soil/fill was transported for off-Site disposal. The PCB excavated soils that were identified as hazardous were reportedly managed in accordance with TSCA regulations.

The selected remedy for groundwater remediation was natural attenuation, based on the fact that VOC daughter products were present in several on-Site groundwater monitoring wells, which suggests that degradation is occurring and can be expected to continue over time. Also, sensitive receptors were not identified downgradient of the Site, and the Site and surrounding area is serviced by a municipal water supply system.

The engineering controls for the Site consist of maintaining the soil cover system and requiring the installation of a sub-slab depressurization system (SSDS) in any new buildings constructed on-Site, or in future expansions added to the Frito-Lay warehouse located on the adjoining property to the north. The institutional controls include a Site groundwater use restriction, a Site use restriction restricting the use to industrial uses, and the requirement that a SSDS will be installed in any future buildings constructed on-Site or if the warehouse to the north is expanded.

An Environmental Easement (EE) for the Site was filed with the Kings County Clerk's Office on September 20, 2013. A Site Management Plan, which outlines Site restrictions and requirements of future maintenance and monitoring, was completed in September 2013. A Certificate of Completion allowing for industrial uses of the Site was received from the NYSDEC on November 6, 2013.

The reader of this PRR may refer to previous reports for more detail, as needed. These reports include:

- Subsurface Investigation, Gannett Fleming, P.C., 2003.
- Phase I Environmental Site Assessment, Gannett Fleming, P.C., 2006.
- Surface Pile Characterization Work Plan, Gannett Fleming, P.C., 2007.
- Phase II Environmental Site Assessment, Gannett Fleming, P.C., 2007.
- Remedial Investigation, Gannett Fleming, P.C., 2009.
- Supplemental Remedial Investigation, Gannett Fleming, P.C., 2010.
- Second Supplemental Remedial Investigation, Gannett Fleming, P.C., 2011.
- Remedial Work Plan, Gannett Fleming, P.C., 2011.
- Site Management Plan, Frito-Lay, Brooklyn, New York, NYSDEC Site Number: C224133, Gannett Fleming Engineers, P.C., September 2013.
- Final Engineering Report, Frito-Lay, Brooklyn, Kings County, New York, NYSDEC Site Number: C224133, Gannett Fleming Engineers, P.C., October 2013.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2017 – November 22, 2018, GHD Consulting Services Inc., January 7, 2019.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Post-Remediation Groundwater Monitoring – 2018 PCB Re-Sample, GHD Consulting Services Inc., March 7, 2019.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2018 – November 22, 2019, GHD Consulting Services Inc., January 15, 2020.

- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Annual Post-Remediation Groundwater Monitoring – 2020, GHD Consulting Services Inc., November 9, 2020.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2019 – November 22, 2020, GHD Consulting Services Inc., January 18, 2021.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Annual Post-Remediation Groundwater Monitoring 2021, GHD Consulting Services Inc., October 15, 2021.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2020 – November 22, 2021, GHD Consulting Services Inc., January 5, 2022.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – 2022 Annual Post-Remediation Groundwater Monitoring, GHD Consulting Services Inc., November 29, 2022.

3. Institutional and Engineering Controls

Based on identified soil, groundwater, and soil vapor contamination, and the Site's past and present use, institutional and engineering controls are utilized at the Site to limit exposure risks. These institutional and engineering controls are described in the NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013) and summarized below. During this PRR period, the contacts for Frito Lay changed and the NYSDEC has requested that the SMP be updated to include the new contacts.

3.1 Institutional Controls

The institutional controls (ICs) for this Site are outlined in the SMP and adherence to these ICs is required by the EE. The ICs for the Site include the following:

- the property may only be used for industrial uses provided that the long-term engineering and institutional controls included in the NYSDEC-approved SMP are employed
- the property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and/or commercial use without additional remediation and amendment of the EE, as approved by the NYSDEC
- all future activities on the property that will disturb remaining contamination must be conducted in accordance with the NYSDEC-approved SMP
- the use of groundwater underlying the property is prohibited without treatment rendering it safe for intended use and prior approval by NYSDEC
- the potential for soil vapor intrusion must be evaluated for any buildings developed on the Site, or expansions added to the existing Frito-Lay warehouse to the north, and any potential impacts that are identified must be monitored and/or mitigated
- vegetable gardens and farming on the property are prohibited
- the Site owner or remedial party will submit to the NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and (2) nothing has occurred that impairs the ability of the controls to protect public health and the environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3.1.1 Site Use

The Site use has not changed since the NYSDEC issued the Certificate of Completion and is currently used for parking of Frito-Lay company/delivery and employee vehicles.

3.1.2 Groundwater

Groundwater is not being used at the Site.

Monitored natural attenuation groundwater monitoring was conducted (May 25 and 26, 2022) as outlined in the NYSDEC-approved SMP during this PRR reporting period. Laboratory analytical results were tabulated and submitted to the NYSDEC (GHD, November 29, 2022) and to the NYSDEC's EQulS Database (submitted September 21, 2022 and approved November 11, 2022).

Results of groundwater monitoring did not warrant revision of the monitoring schedule or analytical list.

3.1.3 Excavations

No excavations occurred on-Site during this PRR's certification period.

3.2 Engineering Controls

The engineering controls (ECs) for this Site are outlined in the NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013), and are described in the following sections.

3.2.1 Asphalt and Soil (Engineered) Cover Systems

Direct contact with soil/fill at the Site is mitigated by an engineered cover system in place over the entirety of the Site. This cover system is comprised of a minimum of 6 inches of asphalt pavement or a minimum of 1-foot of clean soil/fill, consisting of maintained landscape areas or rip-rap. The location of the cover system is depicted in Figure 3.

The cover system was in place for the duration of this certification period and no maintenance was required to amend the cover system. At the time of the annual Site inspection (November 16, 2022), it was noted that the major surface cracks in the asphalt pavement have been sealed and only minor cracks remain. The remainder of the cover system was in good repair; additionally, the concrete barrier blocks have been reset and secured, and the retaining wall on the southeast corner of the site has been repaired as well. It is recommended the woody growth present at the southern and eastern perimeters both inside and outside of the fence be cleared periodically as needed and at a minimum, biennially. In addition, an annual inspection of the southeast corner retaining wall and the concrete blocks should be completed to ensure their stability. At the time of the annual inspection, the cover system was in place and functioning as intended.

Additional information can be found in the Institutional and Engineering Controls Certification Form (beginning of this report) and the Annual Inspection Form (Appendix A).

3.2.2 Chain Linked Fence

To prevent unauthorized access to the Site, a 10-foot-high chain linked fence was installed along the eastern, western, and southern boundaries. Access to the Site from the northern boundary is controlled by the adjacent property, which is also owned by Frito-Lay.

The chain linked fence was in good condition at the time of the annual Site inspection (November 16, 2022) and appeared to be effective in controlling unauthorized access to the Site.

3.2.3 Sub-Slab Depressurization System

A SSDS will be required to be installed in any new buildings constructed on the Site or if the Frito-Lay owned warehouse on the adjacent property to the north is expanded or renovated.

At the time of the annual Site inspection (November 16, 2022) no new buildings had been constructed on the Site and the adjacent warehouse to the north had not been expanded. Therefore, no SSDS is required at this time.

4. Operations and Monitoring

The NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013) requires annual groundwater monitoring and reporting. The annual monitoring is intended to assess the performance of the remedy and overall reduction in contamination on-Site. The annual groundwater monitoring was completed in accordance with the SMP on May 25 and 26, 2022 (Figures 4, 5, 6, and 7 and Tables 1, 2, and 3). The laboratory sample results were transmitted to the NYSDEC in the Annual Post-Remediation Groundwater Monitoring letter report (GHD, November 29, 2022) and were also successfully uploaded into the NYSDEC's EQulS Database on September 21, 2022 (Appendix B). Table 3 summarizes laboratory analytical results of groundwater samples taken since remediation was completed at the Site. The groundwater results are compared to Class GA groundwater quality standards or guidance values from the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1, June 1998 and subsequent addenda).

Overall, the number of contaminants detected above groundwater standards are limited as noted in the tables and figures. In general, since post-remediation baseline samples were taken, concentrations of analytes detected in Site groundwater samples have remained generally stable with some variability over time, with no consistent Site-wide trends recognizable at this time. Off-Site groundwater monitoring well MW-7 historically appeared to have a generally increasing trend in concentrations of chlorinated VOCs, with concentrations of trichloroethene, cis-1,2-dichloroethene, and vinyl chloride having historically been detected at concentrations above groundwater standards in samples taken from MW-7. More recent monitoring events have identified decreasing trends in concentrations of these analytes; and during the 2022 monitoring event, DCE was the only VOC detected above Class GA standards in the sample taken from MW-7. In addition, the concentrations of barium in off-Site groundwater monitoring well MW-8 historically appeared to have a slightly increasing trend; however, more recent monitoring events indicate a decreasing trend and concentrations have been below Class GA standards since the isolated exceedance identified during the May 2017 monitoring event. The detected contaminants in MW-7 and MW-8 are likely related to an off-Site source as these monitoring wells are upgradient of the Site and the contaminants detected are at higher concentrations than detected in samples taken from monitoring wells located on the Site. Based on available information to date, there are no clear discernable trends in PCB concentrations in samples taken from on-Site groundwater monitoring wells. Data will continue to be evaluated for discernable trends, if any, as more data becomes available.

It is noted that the Site groundwater quality could be influenced by the tidal water dynamics and the brackish condition of the adjacent English Kills for certain compounds.

Based on the groundwater data received to date, the qualitative exposure assessment assumptions regarding on-Site and off-Site contamination have not changed and are still valid. As future groundwater monitoring events occur, the data will be reviewed to determine if any compound-specific or Site-wide trends (decreasing or increasing) can be identified.

5. Recommendations

Based on a review of the annual groundwater data, it is recommended that the ICs and ECs currently in place for the Site remain in place in order to ensure the continued effectiveness and protectiveness of the remedy. The trends in groundwater quality associated with off-Site monitoring wells MW-7 and MW-8 should continue to be assessed for potential impacts to Site groundwater quality. Groundwater monitoring should continue to be conducted on an annual basis, as identified in the SMP. The groundwater monitoring results should be reviewed following the May 2023 monitoring event and recommendations to alter future monitoring requirements, if any, should be reviewed with the NYSDEC.

Based on the 2022 annual inspection observations, the following items were noted:

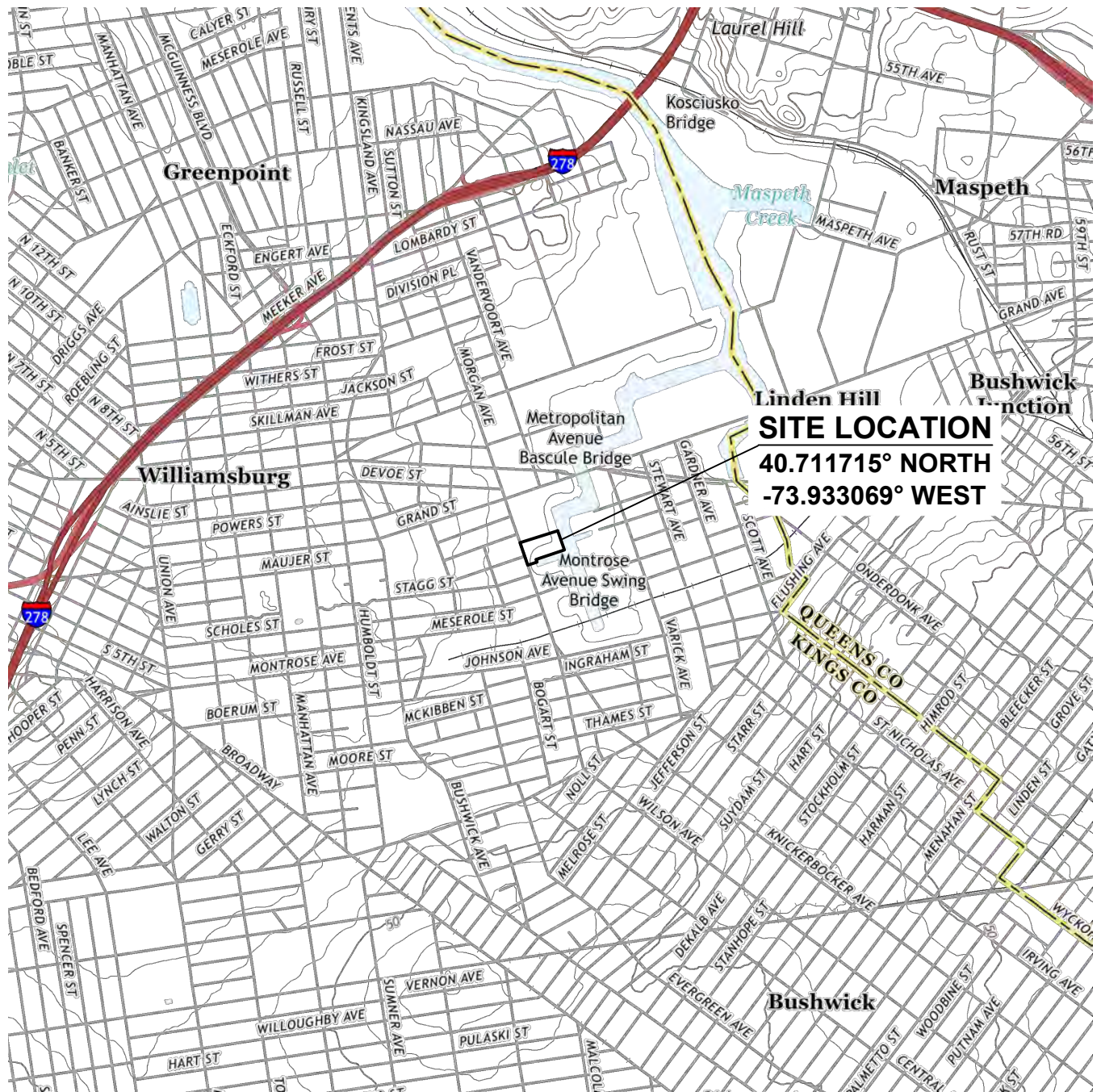
1. The minor surface cracks in the asphalt pavement should be assessed to determine if they are progressing to the point that influences the amount of stormwater infiltration into the subsurface or could compromise the engineering control. In general, the asphalt pavement should be maintained, and cracks sealed as part of the Site maintenance program.
2. The woody growth along the perimeter rip-rap should be periodically removed to control potential impacts to the cover system.
3. The concrete barricades comprising an isolated portion of the bulkhead at the southeast corner of the Site and the underlying stone should be inspected annually to ensure stability is maintained.

The annual Site inspections should be continued to ensure that the Site use has not changed, and the engineering controls are in place and functioning as intended.

The effectiveness of the remedy should continue to be evaluated based on the groundwater monitoring analytical results and inspections of the engineering controls.

A revision to the SMP is being prepared to reflect changes in Frito Lay contacts and to update the format to the current NYSDEC template.

Figures



SITE LOCATION
40.711715° NORTH
-73.933069° WEST



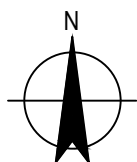
QUADRANGLE LOCATION

CONTOUR INTERVAL: 10 FEET

MAP TAKEN FROM: USGS 7.5 MINUTE SERIES
 TOPOGRAPHIC QUADRANGLE:
 BROOKLYN, NY (2019)
 (U.S. GEOLOGICAL SURVEY WEBSITE)



SCALE 1"=2000' AT ORIGINAL SIZE



ROLLING FRITO-LAY SALES, LP
 PERIODIC REVIEW REPORT - NOV. 22, 2021 TO
 NOV. 22, 2022 - 202-218 MORGAN AVENUE BCP
 SITE, BROOKLYN, NEW YORK (BCP SITE #C224133)

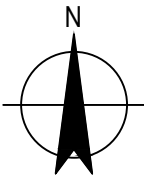
Project No. 12574234
 Date 12.2022

SITE LOCATION MAP

FIGURE 1



NOTES:
1. Aerial photograph is a 2020 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



0 30 60 90 120'
SCALE 1"=60' AT ORIGINAL SIZE

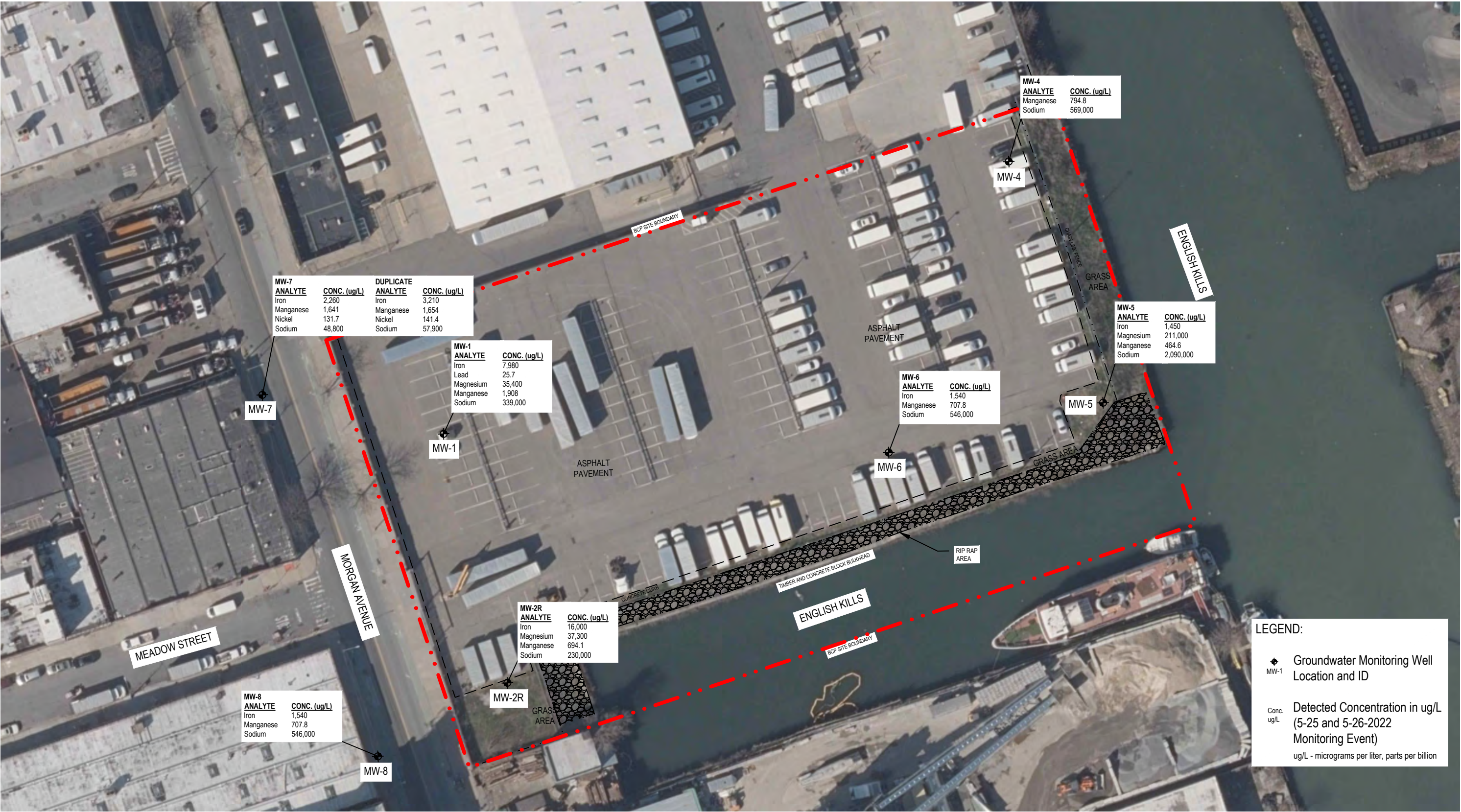


ROLLING FRITO-LAY SALES, LP
PERIODIC REVIEW REPORT - NOV. 22, 2021 TO
NOV. 22, 2022 - 202-218 MORGAN AVENUE BCP
SITE, BROOKLYN, NEW YORK (BCP SITE #C224133)

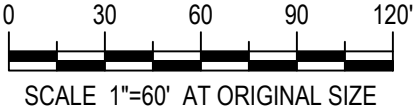
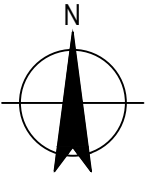
Project No. 12574234
Date 12.2022

SITE LAYOUT

FIGURE 2



NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2020, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



ROLLING FRITO-LAY SALES, LP
PERIODIC REVIEW REPORT - NOV. 22, 2021 TO
NOV. 22, 2022 - 202-218 MORGAN AVENUE BCP
SITE, BROOKLYN, NEW YORK (BCP SITE #C224133)

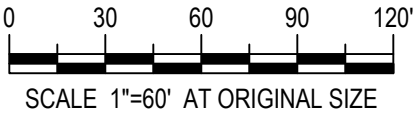
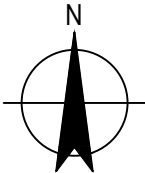
EXCEEDANCES OF GROUNDWATER
STANDARDS - TOTAL METALS

Project No. 12574234
Date 12.2022

FIGURE 4



NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2020, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



ROLLING FRITO-LAY SALES, LP
PERIODIC REVIEW REPORT - NOV. 22, 2021 TO
NOV. 22, 2022 - 202-218 MORGAN AVENUE BCP
SITE, BROOKLYN, NEW YORK (BCP SITE #C224133)

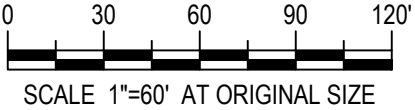
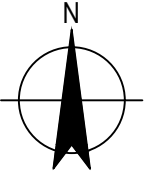
**EXCEEDANCES OF GROUNDWATER
STANDARDS - DISSOLVED METALS**

Project No. 12574234
Date 12.2022

FIGURE 5



NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2020, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



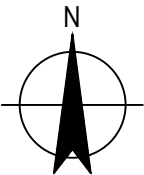
ROLLING FRITO-LAY SALES, LP
PERIODIC REVIEW REPORT - NOV. 22, 2021 TO
NOV. 22, 2022 - 202-218 MORGAN AVENUE BCP
SITE, BROOKLYN, NEW YORK (BCP SITE #C224133)
**EXCEEDANCES OF GROUNDWATER
STANDARDS - OTHER ANALYTES**

Project No. 12574234
Date 12.2022

FIGURE 6



NOTES:
1. Aerial photograph is a 2020, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



0 30 60 90 120'
SCALE 1"=60' AT ORIGINAL SIZE



ROLLING FRITO-LAY SALES, LP
PERIODIC REVIEW REPORT - NOV. 22, 2021 TO
NOV. 22, 2022 - 202-218 MORGAN AVENUE BCP
SITE, BROOKLYN, NEW YORK (BCP SITE #C224133)
**GROUNDWATER ELEVATION AND
FLOW DIRECTION**

Project No. 12574234
Date 12.2022

FIGURE 7

Tables



Table 1: Groundwater Elevation Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-1	2009	Top of PVC	9.93	-	-	1.74	-
MW-1	2011	Top of PVC	9.93	-	-	1.54	-
MW-1	5/14/2014	Top of PVC	9.93	9.07	16.33	0.86	1.16
MW-1	6/4/2015	Top of PVC	9.93	9.74	16.38	0.19	1.06
MW-1	5/26/2016	Top of PVC	9.93	9.55	16.24	0.38	1.07
MW-1	5/22/2017	Top of PVC	9.93	9.24	16.93	0.69	1.23
MW-1	5/30/2018	Top of PVC	9.93	9.06	16.93	0.87	1.26
MW-1	12/19/2018	Top of PVC	9.93	5.11	16.93	4.82	1.89
MW-1	5/30/2019	Top of PVC	9.93	9.41	16.93	0.52	1.20
MW-1	7/20/2020	Top of PVC	9.93	9.22	16.93	0.71	1.23
MW-1	5/27/2021	Top of PVC	9.93	9.53	16.93	0.40	1.18
MW-1	5/26/2022	Top of PVC	9.93	8.98	16.93	0.95	1.27
MW-2R	2009	Top of PVC	10.26	-	-	2.71	-
MW-2R	2011	Top of PVC	10.26	-	-	0.40	-
MW-2R	7/4/2015	Top of PVC	10.26	9.75	17.92	0.51	1.31
MW-2R	6/4/2015	Top of PVC	10.26	9.69	17.92	0.57	1.32
MW-2R	5/26/2016	Top of PVC	10.26	10.22	17.61	0.04	1.18
MW-2R	5/22/2017	Top of PVC	10.26	9.53	17.95	0.73	1.35
MW-2R	5/30/2018	Top of PVC	10.26	10.42	17.95	-0.16	1.20
MW-2R	12/19/2018	Top of PVC	10.26	4.90	17.95	5.36	2.09
MW-2R	5/30/2019	Top of PVC	10.26	10.19	17.95	0.07	1.24
MW-2R	7/20/2020	Top of PVC	10.26	9.75	17.95	0.51	1.31
MW-2R	5/27/2021	Top of PVC	10.26	10.21	17.95	0.05	1.24
MW-2R	5/26/2022	Top of PVC	10.26	9.40	17.95	0.86	1.37
MW-4	2009	Top of PVC	10.22	-	-	2.04	-
MW-4	2011	Top of PVC	10.22	-	-	0.54	-
MW-4	5/14/2014	Top of PVC	10.22	9.91	16.48	0.31	1.05
MW-4	6/4/2015	Top of PVC	10.22	10.50	16.45	-0.28	0.95
MW-4	5/26/2016	Top of PVC	10.22	10.76	16.28	-0.54	0.88
MW-4	5/22/2017	Top of PVC	10.22	10.15	16.60	0.07	1.03
MW-4	5/30/2018	Top of PVC	10.22	9.83	16.60	0.39	1.08
MW-4	12/19/2018	Top of PVC	10.22	2.72	16.60	7.50	2.22
MW-4	5/30/2019	Top of PVC	10.22	9.90	16.60	0.32	1.07
MW-4	7/20/2020	Top of PVC	10.22	9.10	16.60	1.12	1.20
MW-4	5/27/2021	Top of PVC	10.22	10.70	16.60	-0.48	0.94
MW-4	5/26/2022	Top of PVC	10.22	9.90	16.60	0.32	1.07
MW-5	2009	Top of PVC	10.77	-	-	1.76	-
MW-5	2011	Top of PVC	10.77	-	-	-0.80	-
MW-5	5/14/2014	Top of PVC	10.77	11.01	18.69	-0.24	1.23
MW-5	6/4/2015	Top of PVC	10.77	9.91	18.60	0.86	1.39
MW-5	5/26/2016	Top of PVC	10.77	12.65	18.58	-1.88	0.95
MW-5	5/22/2017	Top of PVC	10.77	11.25	18.70	-0.48	1.19
MW-5	5/30/2018	Top of PVC	10.77	10.46	18.70	0.31	1.32
MW-5	12/19/2018	Top of PVC	10.77	1.96	18.70	8.81	2.68
MW-5	5/30/2019	Top of PVC	10.77	10.76	18.70	0.01	1.27
MW-5	7/20/2020	Top of PVC	10.77	11.10	18.70	-0.33	1.22
MW-5	5/27/2021	Top of PVC	10.77	11.31	18.70	-0.54	1.18
MW-5	5/26/2022	Top of PVC	10.77	9.30	18.70	1.47	1.50



Table 1: Groundwater Elevation Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-6	2009	Top of PVC	10.22	-	-	1.11	-
MW-6	2011	Top of PVC	10.22	-	-	0.80	-
MW-6	5/14/2014	Top of PVC	10.22	10.36	17.05	-0.14	1.07
MW-6	6/4/2015	Top of PVC	10.22	10.81	17.08	-0.59	1.00
MW-6	5/26/2016	Top of PVC	10.22	10.97	16.88	-0.75	0.95
MW-6	5/22/2017	Top of PVC	10.22	10.55	17.10	-0.33	1.05
MW-6	5/30/2018	Top of PVC	10.22	10.49	17.10	-0.27	1.06
MW-6	12/19/2018	Top of PVC	10.22	2.40	17.10	7.82	2.35
MW-6	5/30/2019	Top of PVC	10.22	10.13	17.10	0.09	1.12
MW-6	7/20/2020	Top of PVC	10.22	10.54	17.10	-0.32	1.05
MW-6	5/27/2021	Top of PVC	10.22	11.10	17.10	-0.88	0.96
MW-6	5/26/2022	Top of PVC	10.22	10.51	17.10	-0.29	1.05
MW-7	2009	Top of PVC	11.11	-	-	2.92	-
MW-7	2011	Top of PVC	11.11	-	-	1.48	-
MW-7	5/14/2014	Top of PVC	11.11	8.17	15.42	2.94	1.16
MW-7	6/4/2015	Top of PVC	11.11	8.33	16.42	2.78	1.29
MW-7	5/26/2016	Top of PVC	11.11	8.32	15.22	2.79	1.10
MW-7	5/22/2017	Top of PVC	11.11	8.15	15.45	2.96	1.17
MW-7	5/30/2018	Top of PVC	11.11	7.88	15.45	3.23	1.21
MW-7	12/19/2018	Top of PVC	11.11	NM	NM	-	-
MW-7	5/30/2019	Top of PVC	11.11	8.11	15.45	3.00	1.17
MW-7	7/20/2020	Top of PVC	11.11	8.39	15.45	2.72	1.13
MW-7	5/27/2021	Top of PVC	11.11	8.32	15.45	2.79	1.14
MW-7	5/26/2022	Top of PVC	11.11	8.05	15.45	3.06	1.18
MW-8	2009	Top of PVC	11.43	-	-	2.50	-
MW-8	2011	Top of PVC	11.43	-	-	2.32	-
MW-8	5/14/2014	Top of PVC	11.43	8.85	14.45	2.58	0.90
MW-8	6/4/2015	Top of PVC	11.43	8.92	14.45	2.51	0.88
MW-8	5/26/2016	Top of PVC	11.43	8.70	14.20	2.73	0.88
MW-8	5/22/2017	Top of PVC	11.43	8.88	14.60	2.55	0.92
MW-8	5/30/2018	Top of PVC	11.43	8.61	14.60	2.82	0.96
MW-8	12/19/2018	Top of PVC	11.43	NM	NM	-	-
MW-8	5/30/2019	Top of PVC	11.43	8.40	14.60	3.03	0.99
MW-8	7/20/2020	Top of PVC	11.43	8.74	14.60	2.69	0.94
MW-8	5/27/2021	Top of PVC	11.43	9.31	14.60	2.12	0.85
MW-8	5/26/2022	Top of PVC	11.43	8.40	14.60	3.03	0.99

DTW - depth to water

DOW - depth of well

DTW and DOW measurements taken prior to purging using an electronic water level meter

p

Reference elevations taken from as-built plan prepared by PS&S (August 21, 2013)



Table 2: Groundwater Field Parameter Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Well I.D.	Date	Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (gal)	Comments
MW-1	5/27/2021	17.6	2.890	0.40	7.20	-157	9	2.6	Water cloudy brown with odor and became clear with odor during purging MS/MSD sample taken at this location
MW-1	5/26/2022	15.3	2.38	0.39	7.75	-179	10	2.6	Water cloudy brown with odor and became clear with odor during purging MS/MSD sample taken at this location
MW-2R	5/27/2021	24.1	2.000	0.72	7.11	-164	15		Water was cloudy brown with no odor and became clear with no odor during purging Field Duplicate sample taken at this location
MW-2R	5/26/2022	15.8	1.900	0.22	7.44	-134	13	2.6	Water was cloudy brown with no odor and became clear with no odor during purging.
MW-4	5/27/2021	18.7	3.430	2.23	7.84	-250	0	2.0	Water was clear with no odor during purging
MW-4	5/26/2022	17.1	4.310	2.47	7.98	-76	15	3.0	Water was clear with no odor during purging.
MW-5	5/27/2021	16.0	7.210	0.36	7.55	-212	18	2.3	Water was slightly cloudy brown with no odor and became clear with no odor during purging
MW-5	5/26/2022	14.6	13.000	1.52	7.67	-83	14	2.6	Water was slightly cloudy brown with no odor and became clear with no odor during purging.
MW-6	5/27/2021	17.5	3.660	1.01	8.12	-340	2	2.3	Water was cloudy brown with no odor and became clear with no odor during purging
MW-6	5/26/2022	16.2	4.270	0.22	8.37	-310	4	2.6	Water was cloudy brown with no odor and became clear with no odor during purging.
MW-7	5/27/2021	16.1	0.891	0.41	7.38	-127	6	2.6	Water was cloudy brown with odor and became clear with odor during purging
MW-7	5/25/2022	18.2	0.526	1.96	7.24	31	32	2.6	Water was cloudy brown with no odor and became clear with no odor during purging. Duplicate Sample taken here at 17:35
MW-8	5/27/2021	17.1	4.270	0.23	7.21	-126	3	2.3	Water was cloudy brown with no odor and became clear with no odor during purging
MW-8	5/25/2022	16.1	3.710	1.66	7.43	38	46	3.3	Water was cloudy brown with no odor and became almost clear with no odor during purging.

Field parameters collected during purging using a multi-parameter water quality meter with flow thru cell



Table 3
Summary of Groundwater Laboratory Analytical Results

			Method Name	General Chemistry						PCBs									
			Analyte	Total Organic Halogen	Alkalinity, Total	Biological Oxygen Demand, Five day	Chemical Oxygen Demand	Chloride	Total Organic Carbon	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	PCBs, Total
			Units	ug/l	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1					250000											0.09
Sample ID	Date Sampled	Well ID	Sample Type																
MW-1	Baseline	MW-1		-	347,000	10,600	690,000	-	5400	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-1	5/14/2014	MW-1		<20U	400,000	<50,000U	1,300,000	600,000	10,600	<0.083U	<0.083U	<0.083U	<0.083U	0.768	0.416	<0.083U	<0.083U	<0.083U	1.18
MW-1	6/4/2015	MW-1		<20U	766,000	<40,000U	2,800,000	540,000	7500	<0.083U	<0.083U	<0.083U	<0.083U	1.46	0.746	0.119	<0.083U	<0.083U	2.33
MW-1	5/26/2016	MW-1		27.7	437,000	<10,000U	46,000	560,000	3500	<0.021U	<0.028U	<0.012U	<0.014U	0.286	0.137	<0.023U	-	-	0.423
Duplicate	5/26/2016	MW-1	DUP	24.7	436,000	<10,000U	44,000	560,000	3400	<0.021U	<0.028U	<0.012U	<0.014U	0.41	0.238	<0.023U	-	-	0.648
MW-1	5/22/2017	MW-1		54	398,000	5400	20,000	840,000	1700	<0.021U	<0.028U	<0.012U	0.043J	<0.014U	<0.022U	<0.023U	-	-	0.043
Duplicate	5/22/2017	MW-1	DUP	61.1	403,000	<2,000U	27,000	840,000	1800	<0.021U	<0.028U	<0.012U	0.061	<0.014U	<0.022U	<0.023U	-	-	0.061
MW-1	5/30/2018	MW-1		44.1	364,000	2800	47,000	727,000	4330	<0.0833U	<0.0833U	<0.0833U	<0.0833U	0.262	0.142	0.035J	-	-	0.439
Duplicate	5/30/2018	MW-1	DUP	56.7	363,000	3300	24,000	737,000	4250	<0.0833U	<0.0833U	<0.0833U	<0.0833U	0.218	0.124	0.031J	-	-	0.373
MW-1	12/19/2018	MW-1		-	-	-	-	-	-	<0.013U	<0.018U	<0.038U	<0.03U	<0.038U	<0.014U	<0.029U	-	-	<0.038U
Duplicate	12/19/2018	MW-1	DUP	-	-	-	-	-	-	<0.013U	<0.018U	<0.038U	<0.03U	<0.038U	<0.014U	<0.029U	-	-	<0.038U
MW-1	5/30/2019	MW-1		28	352,000	2300	33,000	625,000	3060	<0.013U	<0.018U	<0.038U	<0.03U	0.085	0.038J	<0.029U	-	-	0.123J
MW-1	7/20/2020	MW-1		51.4	<2,000U	5800	28,000	378,000	1900	<0.05U	<0.05U	<0.05U	<0.05U	0.161	0.082	<0.05U	-	-	0.243J
MW-1	5/27/2021	MW-1		-	308,000	<2,000U	64,000	782,000	3010	<0.05U	<0.05U	<0.05U	<0.05U	0.749	0.315	<0.05U	-	-	1.064
12574234-052622-BP-004	5/26/2022	MW-1		-	366,000	5,500	180,000	560,000	1,860	<0.050 U	<0.050 U	<0.050 U	0.137	<0.050 U	<0.050 U	<0.050 U	-	-	0.137
MW-2R	Baseline	MW-2R		-	308,000	<6,000U	32,900	-	2800	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
Duplicate	Baseline	MW-2R	DUP	-	-	-	-	-	-	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-2R	5/14/2014	MW-2R		26.9	312,000	<10,000U	74,000	270,000	11,200	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
MW-2R	6/4/2015	MW-2R		20.9	317,000	<5,000U	55,000	340,000	3200	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
Duplicate	6/4/2015	MW-2R	DUP	22	315,000	<5,000U	80,000	350,000	3400	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
MW-2R	5/26/2016	MW-2R		14.1J	271,000	<2,000U	22,000	340,000	2600	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	0.034J	<0.023U	-	-	0.034J
MW-2R	5/22/2017	MW-2R		41.1	281,000	<2,000U	18,000	430,000	2300	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	<0.022U	<0.023U	-	-	<0.014
MW-2R	5/30/2018	MW-2R		19.9J	298,000	<2,000U	6000J	376,000	3120	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	-	-	<0.0833U
MW-2R	12/19/2018	MW-2R		-	-	-	-	-	-	<0.013U	<0.018U	<0.038U	<0.03U	<0.038U	<0.014U	<0.029U	-	-	<0.038U
MW-2R	5/30/2019	MW-2R		30	295,000	<2,000U	21,000	472,000	11,600	<0.013U	<0.018U	<0.038U	<0.03U	<0.038U	<0.014U	<0.029U	-	-	<0.083U
Duplicate	5/30/2019	MW-2R	DUP	29.1	300,000	3100	44,000	472,000	1790	<0.013U	<0.018U	<0.038U	<0.03U	<0.038U	<0.014U	<0.029U	-	-	<0.083U
MW-2R	7/20/2020	MW-2R		49.5J	<2,000U	<2,000U	24,000	502,000	2200	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
Duplicate	7/20/2020	MW-2R	DUP	55.5J	<2,000U	3000	16,000	508,000	940	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-2R	5/27/2021	MW-2R		-	283,000	<2,000U	15,000	451,000	2390	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
Duplicate	5/27/2021	MW-2R	DUP	-	262,000	3900	17,000	456,000	2170	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
12574234-052622-BP-006	5/26/2022	MW-2R		-	278,000	2,400	3,700 J	380,000	1,500	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U
MW-4	Baseline	MW-4		-	446,000	11,700	1,170,000	-	26,900	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-4	5/14/2014	MW-4		47.4	186,000	<5,000U	150,000	460,000	52,100	<0.083U	<0.083U	<0.083U	<0.083U	0.11	<0.083U	<0.083U	<0.083U	<0.083U	0.11
MW-4	6/4/2015	MW-4		50.5	83,400	<5,000U	110,000	560,000	25,000	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
MW-4	5/26/2016	MW-4		36.9	96,800	4300	99,000	620,000	25,000	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	<0.022U	<0.023U	-	-	<0.012U
MW-4	5/22/2017	MW-4		42	484,000	<5,000U	82,000	640,000	17,000	<0.021U	<0.028U	<0.012U	0.045J	<0.014U	<0.022U	<0.023U	-	-	0.045
MW-4	5/30/2018	MW-4		19.6J	586,000	<5,000U	100,000	879,000	17,000	<0.0833U	<0.0833U	<0.0833U	<0.0833U	0.158	0.114	0.044J	-	-	0.316
MW-4	12/19/2018	MW-4		-	-	-	-	-	-	<0.013U	<0.018U	<0.038U	0.084	<0.038U	0.064J	<0.029U	-	-	0.148J
MW-4	5/30/2019	MW-4		27	625,000	9200	73,000	840,000	15,100	<0.013U	<0.018U	<0.038U	<0.03U	<0.038U	<0.014U	<0.029U	-	-	<0.083U
MW-4	7/20/2020	MW-4		70.7J	<2,000U	8400	330,000	775,000	4800	<0.05U	<0.05U	<0.05U	<0.05U	0.128	0.083	<0.05U	-	-	0.211U
MW-4	5/27/2021	MW-4		-	557,000	18,000	66,000	779,000	13,900	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
12574234-052622-DTS-007	5/26/2022	MW-4		-	566,000	10,000	56,000	920,000	12,900	<0.050 U	<0.050 U	<0.050 U	0.142	<0.050 U	0.106	<0.050 U	-	-	0.248



Table 3
Summary of Groundwater Laboratoy Analytical Results

			Method Name	General Chemistry						PCBs									
			Analyte	Total Organic Halogen	Alkalinity, Total	Biological Oxygen Demand, Five day	Chemical Oxygen Demand	Chloride	Total Organic Carbon	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	PCBs, Total
Units	ug/l	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
TOGS 1.1.1							250000												0.09
Sample ID	Date Sampled	Well ID	Sample Type																
MW-5	Baseline	MW-5		-	637,000	21,000	324,000	-	18,800	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-5	5/14/2014	MW-5		66.5	387,000	13,000	220,000	1,400,000	23,200	<0.083U	<0.083U	<0.083U	<0.083U	0.195	0.17	0.084	<0.083U	<0.083U	0.449
Duplicate	5/14/2014	MW-5	DUP	46.1	391,000	23,000	230,000	1,300,000	22,700	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
MW-5	6/4/2015	MW-5		41.4	455,000	7400	260,000	1,900,000	13,000	<0.083U	<0.083U	<0.083U	<0.083U	0.216	0.153	0.103	<0.083U	<0.083U	0.472
MW-5	5/26/2016	MW-5		72.2	370,000	<40,000U	150,000	4,600,000	6200	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	<0.022U	<0.023U	-	-	<0.012U
MW-5	5/22/2017	MW-5		81.1	377,000	<2,000U	73,000	3,100,000	9000	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	<0.022U	<0.023U	-	-	<0.014
MW-5	5/30/2018	MW-5		80.3	421,000	<5,000U	51,000	3,400,000	13,900	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	-	-	<0.0833U
MW-5	12/19/2018	MW-5		-	-	-	-	-	-	<0.013U	<0.018U	<0.038U	<0.03U	<0.038U	<0.014U	<0.029U	-	-	<0.038U
MW-5	5/30/2019	MW-5		52.4	376,000	11,000	280,000	3,940,000	2060	<0.013U	<0.018U	<0.038U	0.12	<0.038U	0.091	0.096	-	-	0.307J
MW-5	7/20/2020	MW-5		101J	<2,000U	<5,000U	120,000	3,170,000	5100	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-5	5/27/2021	MW-5		-	437,000	<2,000U	150,000	2,030,000	10,700	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
12574234-052622-DTS-005	5/26/2022	MW-5		-	406,000	3,200	88,000	3,800,000	2,950	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U
MW-6	Baseline	MW-6		-	530,000	12,300	994,000	-	24,000	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-6	5/14/2014	MW-6		47.4	560,000	26,000	320,000	620,000	35,100	<0.083U	<0.083U	<0.083U	0.279	<0.083U	0.187	<0.083U	<0.083U	<0.083U	0.466
MW-6	6/4/2015	MW-6		35.7	807,000	48,000	180,000	660,000	21,000	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
MW-6	5/26/2016	MW-6		30.5	718,000	29,000	580,000	780,000	22,000	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	0.022J	<0.023U	-	-	0.022J
MW-6	5/22/2017	MW-6		50.8	492,000	15,000	71,000	980,000	16,000	<0.021U	<0.028U	<0.012U	0.026J	<0.014U	<0.022U	<0.023U	-	-	0.026
MW-6	5/30/2018	MW-6		50.7	569,000	<10,000U	95,000	1,170,000	15,800	<0.0833U	<0.0833U	<0.0833U	<0.0833U	0.075J	0.058J	0.036J	-	-	0.169J
MW-6	12/19/2018	MW-6		-	-	-	-	-	-	<0.013U	<0.018U	<0.038U	<0.03U	<0.038U	<0.014U	<0.029U	-	-	<0.038U
MW-6	5/30/2019	MW-6		32.6	534,000	11,000	73,000	1,080,000	15,600	<0.013U	<0.018U	<0.038U	0.103	<0.038U	0.044J	<0.029U	-	-	0.147J
MW-6	7/20/2020	MW-6		51.3J	<2,000U	<10,000U	690,000	778,000	3600	<0.05U	<0.05U	<0.05U	<0.05U	0.525	0.367	0.128	-	-	1.02
MW-6	5/27/2021	MW-6		-	509,000	7500	61,000	751,000	14,300	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
12574234-052622-BP-008	5/26/2022	MW-6		-	529,000	7,700	63,000	6,800	14,100	<0.050 U	<0.050 U	<0.050 U	0.023 J	<0.050 U	<0.050 U	<0.050 U	-	-	0.023 J
MW-7	Baseline	MW-7		-	291,000	10,300	199,000	-	5200	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-7	5/14/2014	MW-7		50.4	330,000	14,000	35,000	250,000	6440	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
MW-7	6/4/2015	MW-7		27.9	323,000	3300	19,000J	240,000	3900	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
MW-7	5/26/2016	MW-7		26.3	319,000	<2,000U	37,000	170,000	4000	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	<0.022U	<0.023U	-	-	<0.012U
MW-7	5/22/2017	MW-7		63.6	265,000	<2,000U	4100J	91,000	2700	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	<0.022U	<0.023U	-	-	<0.014
MW-7	5/30/2018	MW-7		74.8	238,000	<2,000U	<10,000U	108,000	3940	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	-	-	<0.0833U
MW-7	5/30/2019	MW-7		61.9	259,000	13,000	280,000	120,000	2770	<0.013U	<0.018U	<0.038U	<0.03U	<0.038U	<0.014U	<0.029U	-	-	<0.083U
MW-7	7/20/2020	MW-7		28.1J	<2,000U	<2,000U	26,000	81,600	2200	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-7	5/27/2021	MW-7		-	233,000	<2,000U	<10,000U	164,000	2270	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
12574234-052522-DTS-002	5/25/2022	MW-7		-	223,000	<2,000 U	6,000 J	54,000	2,150	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U
12574234-052522-DTS-003	5/25/2022	MW-7	DUP	-	227,000	<2,000 U	3,700 J	71,000	2,180	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U
MW-8	Baseline	MW-8		-	613,000	<6,000U	359,000	-	5500	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-8	5/14/2014	MW-8		40.5	575,000	3400	49,000	740,000	7620	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
MW-8	6/4/2015	MW-8		62.1	564,000	<2,000U	42,000	940,000	2200	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U	<0.083U
MW-8	5/26/2016	MW-8		11.9J	521,000	<2,000U	56,000	1,400,000	1600	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	<0.022U	<0.023U	-	-	<0.012U
MW-8	5/22/2017	MW-8		40.8	505,000	2800	55,000	2,300,000	1000	<0.021U	<0.028U	<0.012U	<0.014U	<0.014U	<0.022U	<0.023U	-	-	<0.014
MW-8	5/30/2018	MW-8		46.2	453,000	<2,000U	29,000	2,240,000	3690J	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	<0.0833U	-	-	<0.0833U
MW-8	5/30/2019	MW-8		111	429,000	<2,000U	35,000	1,040,000	1550	<0.02U	<0.028U	<0.058U	<0.045U	<0.057U	<0.021U	<0.043U	-	-	<0.083U
MW-8	7/20/2020	MW-8		51J	<2,000U	<2,000U	22,000	1,230,000	<2,000U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
MW-8	5/27/2021	MW-8		51	536,000	<2,000U	59,000	1,030,000	2110	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	<0.05U	-	-	<0.05U
12574234-052522-DTS-001	5/25/2022	MW-8		-	489,000	<2,000 U	13,000	880,000	1,370	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	-	-	<0.050 U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Ground Water Laboratory Analytical Results

			Method Name	Total Metals							
			Analyte	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1		3	25	1000	3	5		50
Sample ID	Date Sampled	Well ID	Sample Type								
MW-1	Baseline	MW-1		220	<12U	<8U	180	<4U	<4U	210,000	<50U
MW-1	5/14/2014	MW-1		2710	6.53	4.26	218.7	0.17J	0.83	166,000	35.47
MW-1	6/4/2015	MW-1		5230	2.1	12.1	333.3	0.4J	2.1	211,000	91.6
MW-1	5/26/2016	MW-1		1000	0.7J	2.5	235.6	<0.2U	0.5	189,000	18.2
Duplicate	5/26/2016	MW-1	DUP	1110	0.8J	2.7	225.3	<0.2U	0.4	181,000	18.8
MW-1	5/22/2017	MW-1		19.8	<0.42U	1.54	284.9	<0.1U	0.06J	276,000	2.89
Duplicate	5/22/2017	MW-1	DUP	16.9	<0.42U	1.4	277.4	<0.1U	0.08J	256,000	2.73
MW-1	5/30/2018	MW-1		700	0.69J	3.01	224.9	<0.5U	0.36	182,000	11.93
Duplicate	5/30/2018	MW-1	DUP	272	<4U	1.77	192.2	<0.5U	0.22	160,000	5.81
MW-1	5/30/2019	MW-1		75.8	10.14	3.87	171.4	<0.1U	0.13J	152,000	2.54
MW-1	7/20/2020	MW-1		536	<4U	2.42	163.9	<0.5U	0.25	132,000	6.43
MW-1	5/27/2021	MW-1		1210	<4U	17.35	213.6	<0.5U	0.96	143,000	22.78
12574234-052622-BP-004	5/26/2022	MW-1		239	<4.00 U	3.75	186.1	<0.50 U	0.16 J	134,000	4.98
MW-2R	Baseline	MW-2R		4200J	<12U	<8U	200	<4U	<4U	320,000	<50U
Duplicate	Baseline	MW-2R	DUP	1700J	<12U	<8U	160	<4U	<4U	280,000	<50U
MW-2R	5/14/2014	MW-2R		404	3.12	36.36	192.8	0.1J	0.19J	88,100	10.5
MW-2R	6/4/2015	MW-2R		1690	2.1	7.8	227.1	0.2J	0.1J	93,300	10.4
Duplicate	6/4/2015	MW-2R	DUP	1660	2.4	8.5	224.5	<0.5U	0.1J	84,900	10.1
MW-2R	5/26/2016	MW-2R		33	0.3J	6.8	227.7	<0.2U	<0.1U	73,700	0.5J
MW-2R	5/22/2017	MW-2R		193	<0.42U	6.51	298	<0.1U	0.2	73,300	1.01
MW-2R	5/30/2018	MW-2R		35.5	0.8J	6.25	308.7	<0.5U	<0.2U	82,200	0.4J
MW-2R	5/30/2019	MW-2R		375	0.51J	4.43	371.6	<0.1U	<0.05U	96,800	2.05
Duplicate	5/30/2019	MW-2R	DUP	358	0.47J	4.43	366.9	<0.1U	<0.05U	95,400	1.94
MW-2R	7/20/2020	MW-2R		231	<4U	4.36	381	<0.5U	<0.2U	93,600	1.4
Duplicate	7/20/2020	MW-2R	DUP	221	<4U	4.2	365.5	<0.5U	<0.2U	90,300	1.31
MW-2R	5/27/2021	MW-2R		168	<4U	5.6	420.3	<0.5U	<0.2U	97,900	<1U
Duplicate	5/27/2021	MW-2R	DUP	196	<4U	5.27	415.7	<0.5U	<0.2U	95,600	<1U
12574234-052622-BP-006	5/26/2022	MW-2R		122	<4.00 U	4.07	294.6	<0.50 U	<0.20 U	84,000	0.76 J
MW-4	Baseline	MW-4		250	<12U	<8U	660	<4U	<4U	520,000J	<50U
MW-4	5/14/2014	MW-4		103	2.91	9.74	92.03	<0.5U	0.05J	272,000	0.77J
MW-4	6/4/2015	MW-4		87	1.2J	5.9	80.4	<0.5U	0.1J	294,000	2.8
MW-4	5/26/2016	MW-4		616	1J	7.8	80.8	<0.2U	0.3	207,000	2.2
MW-4	5/22/2017	MW-4		148	1.2J	3.56	112.5	<0.1U	0.5	220,000	0.81J
MW-4	5/30/2018	MW-4		5000	3.39J	55.78	290.4	0.43J	2.74	291,000	16.9
MW-4	5/30/2019	MW-4		44.9	<0.42U	7.12	163.5	<0.1U	0.44	229,000	0.87J
MW-4	7/20/2020	MW-4		453	<4U	2.84	165.8	<0.5U	0.38	205,000	1.67
MW-4	5/27/2021	MW-4		18.2	<4U	1.62	168.5	<0.5U	<0.2U	185,000	<1U
12574234-052622-DTS-007	5/26/2022	MW-4		104	<4.00 U	0.82	177.5	<0.50 U	0.29	190,000	1.09
MW-5	Baseline	MW-5		<180U	<12U	25	56	<4U	<4U	210,000J	<50U
MW-5	5/14/2014	MW-5		2380	3.01	11.91	126.4	0.12J	1.56	243,000	8.36
Duplicate	5/14/2014	MW-5	DUP	4070	4.21	19.91	167.5	0.21J	2.45	240,000	14.57
MW-5	6/4/2015	MW-5		589	0.9J	3	125.7	<0.5U	0.5	228,000	3.6
MW-5	5/26/2016	MW-5		242	1.5J	3.7	129.2	<0.2U	0.2J	224,000	1.7J
MW-5	5/22/2017	MW-5		8.24J	3.31J	7.57	68.44	<0.1U	<0.05U	197,000	4.89
MW-5	5/30/2018	MW-5		95.5	3.89J	4.06	80.6	<0.5U	0.16J	259,000	0.79J
MW-5	5/30/2019	MW-5		1960	3.97J	21.22	183.8	<0.1U	3.94	268,000	9.91
MW-5	7/20/2020	MW-5		21.2	<4U	1.98	79.67	<0.5U	<0.2U	150,000	<1U
MW-5	5/27/2021	MW-5		64.2	<4U	1.58	74.9	<0.5U	<0.2U	160,000	<1U
12574234-052622-DTS-005	5/26/2022	MW-5		9.93 J	<4.00 U	1.43	130.2	<0.50 U	0.13 J	219,000	0.41 J
MW-6	Baseline	MW-6		<180U	<12U	14	140	<4U	<4U	360,000J	<50U
MW-6	5/14/2014	MW-6		137	3.09	7.55	104.8	<0.5U	0.93	292,000	3.97
MW-6	6/4/2015	MW-6		330	1.4J	3.2	156	<0.5U	0.2	285,000	2.1
MW-6	5/26/2016	MW-6		191	1.1J	4.5	166.5	<0.2U	0.8	280,000	1.2J
MW-6	5/22/2017	MW-6		449	1.95J	14.06	145.5	<0.1U	1.45	286,000	3.44
MW-6	5/30/2018	MW-6		1230	4.92	10.44	217.1	<0.5U	0.59	340,000	3.75
MW-6	5/30/2019	MW-6		488	1.89J	4.96	174	<0.1U	0.21	287,000	2.38
MW-6	7/20/2020	MW-6		38,000	37.71	167.7	898.7	2.85	7.26	445,000	85.98
MW-6	5/27/2021	MW-6		403	<4U	6.97	127.9	<0.5U	<0.2U	200,000	1.01
12574234-052622-BP-008	5/26/2022	MW-6		19.6	<4.00 U	6.53	123.2	<0.50 U	<0.20 U	235,000	0.36 J
MW-7	Baseline	MW-7		<180U	<12U	<8U	150	<4U	<4U	110,000	<50U
MW-7	5/14/2014	MW-7		2.89J	0.52J	1.4	85.68	<0.5U	<0.2U	109,000	0.99J
MW-7	6/4/2015	MW-7		40	0.2J	2.8	120.7	<0.5U	<0.2U	122,000	7.7
MW-7	5/26/2016	MW-7		50	0.3J	2.3	97.9	<0.2U	<0.1U	91,600	7.3
MW-7	5/22/2017	MW-7		15.5	<0.42U	1.47	67.41	<0.1U	<0.05U	85,000	4.01
MW-7	5/30/2018	MW-7		56.2	<4U	1.78	83.01	<0.5U	<0.2U	94,400	12.18
MW-7	5/30/2019	MW-7		14,400	0.88J	71.3	906.4	2.04	4.01	123,000	4741
MW-7	7/20/2020	MW-7		1080	<4U	3.07	89.07	<0.5U	<0.2U	77,900	147.7
MW-7	5/27/2021	MW-7		44.2	<4U	1.04	81.07	<0.5U	<0.2U	81,500	5.98
12574234-052522-DTS-002	5/25/2022	MW-7		45.7	<4.00 U	0.93	57.39	<0.50 U	<0.20 U	69,200	6.84
12574234-052522-DTS-003	5/25/2022	MW-7	DUP	135	<4.00 U	1.11	61.80	<0.50 U	<0.20 U	71,900	17.80
MW-8	Baseline	MW-8		220	<12U	<8U	270	<4U	<4U	150,000	<50U
MW-8	5/14/2014	MW-8		230	0.5J	0.39J	376.1	<0.5U	0.65	221,000	1.29
MW-8	6/4/2015	MW-8		39	0.7J	0.7	464.6	<0.5U	<0.2U	280,000	2.4
MW-8	5/26/2016	MW-8		2310	0.4J	0.8	707.2	<0.2U	1.1	302,000	7
MW-8	5/22/2017	MW-8		9.3J	<0.42U	0.33J	1023	<0.1U	0.27	466,000	1.26
MW-8	5/30/2018	MW-8		15.1	<4U	<0.5U	803.5	<0.5U	0.28	445,000	<1U
MW-8	5/30/2019	MW-8		1090	<0.42U	3.26	815.1	<0.1U	4.72	280,000	5.17
MW-8	7/20/2020	MW-8		533	<4U	0.56	479.4	<0.5U	0.27	256,000	1.96
MW-8	5/27/2021	MW-8		15	<4U	<0.5U	383.9	<0.5U	<0.2U	202,000	<1U
12574234-052522-DTS-001	5/25/2022	MW-8		104	<4.00 U	0.32 J	335.5	<0.50 U	0.27	203,000	0.94 J

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U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Ground Water Laboratory Analytical Results

			Method Name	Total Metals							
			Analyte	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Mercury, Total	Nickel, Total
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1		200	300	25	35000	300	0.7	100
Sample ID	Date Sampled	Well ID	Sample Type								
MW-1	Baseline	MW-1		<20U	<50U	4100	6	36,000	3000	<1U	<50U
MW-1	5/14/2014	MW-1		3.58	66.06	21,500	147.4	29,100	2458	3.27	30.45
MW-1	6/4/2015	MW-1		7.9	180	24,000	360.1	36,200	3322	0.81	69.1
MW-1	5/26/2016	MW-1		2	17.7	7160	85.7	31,100	2939	0.14J	18.4
Duplicate	5/26/2016	MW-1	DUP	2	18.3	7430	76.1	31,500	2788	0.1J	20.4
MW-1	5/22/2017	MW-1		1.16	0.71J	3710	0.84J	39,200	2792	<0.06U	9.44
Duplicate	5/22/2017	MW-1	DUP	1.36	<0.38U	3690	0.83J	39,900	2707	<0.06U	7.27
MW-1	5/30/2018	MW-1		2.12	21.1	6260	45.6	32,600	2093	<0.2U	13.13
Duplicate	5/30/2018	MW-1	DUP	1.51	7.73	4730	17.16	28,500	1841	<0.2U	9.07
MW-1	5/30/2019	MW-1		0.97	1.88	3920	4.04	32,100	1856	<0.09U	6.89
MW-1	7/20/2020	MW-1		1.46	10.81	6260	24.89	33,800	1747	<0.2U	13.26
MW-1	5/27/2021	MW-1		2.31	40.11	35,500	77.96	34,400	1865	<0.2U	21.6
12574234-052622-BP-004	5/26/2022	MW-1		0.97	5.72	7,980	25.70	35,400	1,908	0.14 J	9.38
MW-2R	Baseline	MW-2R		<20U	<50U	13,000J	120J	140,000	900	<1U	<50U
Duplicate	Baseline	MW-2R	DUP	<20U	<50U	9000J	49J	120,000	790	<1U	<50U
MW-2R	5/14/2014	MW-2R		1.18	20.21	58,600	73.18	33,900	374.7	0.38	3.41
MW-2R	6/4/2015	MW-2R		2.6	30.9	24,100	178	35,700	699.3	0.46	5.5
Duplicate	6/4/2015	MW-2R	DUP	2.3	26.2	24,000	165.3	33,800	624.2	0.36	6.1
MW-2R	5/26/2016	MW-2R		0.2	<0.3U	14,000	1.9	33,800	804.9	0.09J	1.3J
MW-2R	5/22/2017	MW-2R		0.23J	2.47	14,100	13.48	34,400	708.6	0.06J	1.75J
MW-2R	5/30/2018	MW-2R		<0.5U	0.6J	17,300	2.01	41,500	901.2	<0.2U	<2U
MW-2R	5/30/2019	MW-2R		0.55	4.92	19,000	22.43	44,300	1009	<0.09U	0.69J
Duplicate	5/30/2019	MW-2R	DUP	0.38J	4.86	18,900	22.73	44,300	984.3	<0.09U	0.65J
MW-2R	7/20/2020	MW-2R		<0.5U	2.83	17,700	13.12	42,100	868.9	<0.2U	<2U
Duplicate	7/20/2020	MW-2R	DUP	<0.5U	2.84	17,800	13.68	41,300	857.4	<0.2U	<2U
MW-2R	5/27/2021	MW-2R		<0.5U	1.97	19,500	6.65	47,000	979.9	<0.2U	<2U
Duplicate	5/27/2021	MW-2R	DUP	<0.5U	2.09	19,200	7.49	45,000	996.2	<0.2U	<2U
12574234-052622-BP-006	5/26/2022	MW-2R		0.26 J	1.37	16,000	5.20	37,300	694.1	0.14 J	0.88 J
MW-4	Baseline	MW-4		<20U	<50U	650	9	8400J	100	<1U	<50U
MW-4	5/14/2014	MW-4		0.36	1.12J	186	3.12	6600	5.31	<0.2U	3.56
MW-4	6/4/2015	MW-4		0.49J	2.2	219	3.5	12,300	13	<0.2U	5.5
MW-4	5/26/2016	MW-4		1.6	9.9	1290	25	16,200	35.3	<0.06U	7.6
MW-4	5/22/2017	MW-4		0.69	2.13	336	5.51	30,700	302.2	<0.06U	5.08
MW-4	5/30/2018	MW-4		13.26	111.6	16,400	288.8	36,900	752.8	0.4	35.7
MW-4	5/30/2019	MW-4		0.6	0.67J	541	2.24	30,800	546.9	<0.09U	5.44
MW-4	7/20/2020	MW-4		0.92	3.35	846	11.26	30,800	606.6	<0.2U	4.94
MW-4	5/27/2021	MW-4		0.5	<1U	83	<1U	29,200	614.5	<0.2U	2.57
12574234-052622-DTS-007	5/26/2022	MW-4		0.65	1.21	289	4.34	29,400	794.8	<0.20 U	3.28
MW-5	Baseline	MW-5		<20U	<50U	4000	6	120,000J	950	<1U	<50U
MW-5	5/14/2014	MW-5		3.84	49.9	16,400	244.8	147,000	1020	6.02	26.93
Duplicate	5/14/2014	MW-5	DUP	6.66	88.29	30,600	375.6	137,000	1016	12.5	45.52
MW-5	6/4/2015	MW-5		2.4	13.2	4070	90.4	156,000	1060	0.93	14
MW-5	5/26/2016	MW-5		1	<0.3U	5740	46	306,000	768.1	0.29	6.8
MW-5	5/22/2017	MW-5		1.08	0.51J	3010	<1.71U	174,000	449.9	<0.06U	11.62
MW-5	5/30/2018	MW-5		0.96	3.69	3300	15.02	170,000	531	<0.2U	8.52
MW-5	5/30/2019	MW-5		7.43	78.3	6570	409.6	214,000	508.6	3.18	46.22
MW-5	7/20/2020	MW-5		0.56	1.49	1850	3.41	180,000	268	<0.2U	3.85
MW-5	5/27/2021	MW-5		0.71	1.7	1200	8.11	133,000	225.4	<0.2U	4.44
12574234-052622-DTS-005	5/26/2022	MW-5		0.43 J	0.45 J	1,450	0.80 J	211,000	464.6	0.11 J	3.04
MW-6	Baseline	MW-6		<20U	<50U	650	10	47,000J	640	<1U	<50U
MW-6	5/14/2014	MW-6		4.53	3.64	5820	9.28	46,300	1526	<0.2U	22.81
MW-6	6/4/2015	MW-6		1.3	4.9	1270	17.4	52,500	757.3	<0.2U	8
MW-6	5/26/2016	MW-6		1.4	7.1	1870	15.1	57,400	952.6	<0.06U	9.4
MW-6	5/22/2017	MW-6		2.15	11.45	5550	25.67	40,000	1118	<0.06U	11.82
MW-6	5/30/2018	MW-6		2.92	28.28	6000	92.14	49,000	1165	<0.2U	11.23
MW-6	5/30/2019	MW-6		1.27	8.84	2260	38.15	40,200	729.6	<0.09U	5.71
MW-6	7/20/2020	MW-6		41.8	656.4	112,000	2312	50,300	2856	4.31	140.7
MW-6	5/27/2021	MW-6		1.49	7.2	3040	22.46	34,300	565.6	<0.2U	6.82
12574234-052622-BP-008	5/26/2022	MW-6		0.90	<1.00 U	1,540	1.29	35,000	707.8	0.09 J	4.47
MW-7	Baseline	MW-7		<20U	<50U	6400	<4U	7300	830	<1U	100
MW-7	5/14/2014	MW-7		1.15	1.13J	3170	<1U	7040	823.6	<0.2U	121.9
MW-7	6/4/2015	MW-7		1.5	1.9J	5040	1.1	10,300	913.5	<0.2U	160
MW-7	5/26/2016	MW-7		1.3	<0.3U	4630	0.7J	8580	801.4	0.11J	173.4
MW-7	5/22/2017	MW-7		1.82	<0.38U	3750	0.39J	9690	1074	<0.06U	143.7
MW-7	5/30/2018	MW-7		2.65	0.42J	5330	0.71J	15,700	1957	<0.2U	187.2
MW-7	5/30/2019	MW-7		47.81	193.4	384,000	620	22,500	5535	1.33	4745
MW-7	7/20/2020	MW-7		2.62	5.64	8690	14.32	13,100	1703	<0.2U	265.7
MW-7	5/27/2021	MW-7		1.37	<1U	3730	<1U	14,500	1974	<0.2U	124.7
12574234-052522-DTS-002	5/25/2022	MW-7		1.57	<1.00 U	2,260	0.57 J	13,600	1,641	0.15 J	131.7
12574234-052522-DTS-003	5/25/2022	MW-7	DUP	1.69	0.59 J	3,210	1.57	13,700	1,654	0.15 J	141.4
MW-8	Baseline	MW-8		<20U	<50U	13,000	7.8	7700	780	<1U	<50U
MW-8	5/14/2014	MW-8		0.21	1.36J	25,800	2.72	10,000	1180	<0.2U	0.93
MW-8	6/4/2015	MW-8		0.2J	1.9J	29,700	0.9J	17,400	1368	<0.2U	1.9
MW-8	5/26/2016	MW-8		1.5	<0.3U	54,300	11.7	17,300	1654	<0.06U	5.1
MW-8	5/22/2017	MW-8		0.17J	0.5J	36,600	<1.71U	23,300	1559	<0.06U	1.98J
MW-8	5/30/2018	MW-8		<0.5U	<1U	17,500	<1U	27,700	901.3	<0.2U	<2U
MW-8	5/30/2019	MW-8		1.21	10.64	117,000	15.6	19,100	577.7	<0.09U	3.13
MW-8	7/20/2020	MW-8		<0.5U	2.1	18,600	2.78	16,800	627.7	<0.2U	4.31
MW-8	5/27/2021	MW-8		<0.5U	<1U	12,000	<1U	14,600	505.4	<0.2U	<2U
12574234-052522-DTS-001	5/25/2022	MW-8		0.17 J	0.78 J	8,900	0.75 J	14,100	372.0	0.11 J	1.68 J

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Ground Water Laboratory Analytical Results

			Method Name	Total Metals						
			Analyte	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1		10	50	20000	0.5		2000
Sample ID	Date Sampled	Well ID	Sample Type							
MW-1	Baseline	MW-1		18,000	<40U	<20U	220,000J	<10U	<50U	<50U
MW-1	5/14/2014	MW-1		13,900	1.03J	0.66	290,000	0.04J	9.55	298.2
MW-1	6/4/2015	MW-1		17,500	2J	1.6	315,000	0.1J	34.1	952.9
MW-1	5/26/2016	MW-1		16,300	<1U	0.1J	342,000	<0.1U	4.3J	104.2
Duplicate	5/26/2016	MW-1	DUP	16,500	<1U	0.1J	333,000	<0.1U	4.1J	114.1
MW-1	5/22/2017	MW-1		20,700	<1.73U	<0.16U	477,000	<0.14U	<1.57U	4.44J
Duplicate	5/22/2017	MW-1	DUP	19,200	<1.73U	<0.16U	478,000	<0.14U	<1.57U	3.89J
MW-1	5/30/2018	MW-1		16,100	<5U	0.17J	369,000	<0.5U	3.55J	82.02
Duplicate	5/30/2018	MW-1	DUP	14,200	<5U	<0.4U	325,000	<0.5U	1.61J	31.44
MW-1	5/30/2019	MW-1		14,500	<1.73U	<0.16U	338,000	0.19J	2.07J	9.31J
MW-1	7/20/2020	MW-1		13,000	<5U	<0.4U	233,000	<0.5U	<5U	48.37
MW-1	5/27/2021	MW-1		13,300	<5U	1.16	511,000	<0.5U	7	124.8
12574234-052622-BP-004	5/26/2022	MW-1		12,900	<5.00 U	<0.40 U	339,000	<1.00 U	<5.00 U	31.76
MW-2R	Baseline	MW-2R		55,000	<40U	<20U	770,000J	<10U	<50U	120
Duplicate	Baseline	MW-2R	DUP	48,000	<40U	<20U	660,000J	<10U	<50U	76
MW-2R	5/14/2014	MW-2R		14,400	0.53J	<0.4U	142,000	<0.5U	6.59	68.19
MW-2R	6/4/2015	MW-2R		16,000	<5U	0.1J	221,000	<0.5U	8.1	80.8
Duplicate	6/4/2015	MW-2R	DUP	15,300	<5U	<0.4U	215,000	<0.5U	7.6	69.9
MW-2R	5/26/2016	MW-2R		14,300	<1U	<0.1U	200,000	<0.1U	<0.6U	<2.6U
MW-2R	5/22/2017	MW-2R		16,500	<1.73U	<0.16U	273,000	<0.14U	<1.57U	5.88J
MW-2R	5/30/2018	MW-2R		16,800	<5U	<0.4U	178,000	<0.5U	<5U	<10U
MW-2R	5/30/2019	MW-2R		19,600	<1.73U	<0.16U	253,000	<0.14U	1.94J	7.43J
Duplicate	5/30/2019	MW-2R	DUP	19,300	<1.73U	<0.16U	250,000	<0.14U	1.68J	6.78J
MW-2R	7/20/2020	MW-2R		19,000	<5U	<0.4U	244,000	<0.5U	<5U	<10U
Duplicate	7/20/2020	MW-2R	DUP	18,600	<5U	<0.4U	238,000	<0.5U	<5U	<10U
MW-2R	5/27/2021	MW-2R		18,800	<5U	<0.4U	302,000	<0.5U	<5U	<10U
Duplicate	5/27/2021	MW-2R	DUP	18,700	<5U	<0.4U	290,000	<0.5U	<5U	<10U
12574234-052622-BP-006	5/26/2022	MW-2R		17,200	<5.00 U	<0.40 U	230,000	<1.00 U	<5.00 U	10.82
MW-4	Baseline	MW-4		64,000	<40U	<20U	250,000J	<10U	<50U	<50U
MW-4	5/14/2014	MW-4		70,700	0.55J	<0.4U	303,000	<0.5U	0.92J	13.78
MW-4	6/4/2015	MW-4		77,800	<5U	<0.4U	339,000	<0.5U	1.3J	31.8
MW-4	5/26/2016	MW-4		74,200	<1U	<0.1U	387,000	<0.1U	3.3J	60.7
MW-4	5/22/2017	MW-4		53,200	<1.73U	<0.16U	331,000	<0.14U	1.69J	30.16
MW-4	5/30/2018	MW-4		52,000	1.97J	0.25J	382,000	0.16J	21.8	760.7
MW-4	5/30/2019	MW-4		52,400	<1.73U	<0.16U	486,000	<0.14U	1.67J	9.33J
MW-4	7/20/2020	MW-4		47,900	<5U	<0.4U	437,000	<0.5U	<5U	50.3
MW-4	5/27/2021	MW-4		45,800	<5U	<0.4U	469,000	<0.5U	<5U	<10U
12574234-052622-DTS-007	5/26/2022	MW-4		42,500	<5.00 U	<0.40 U	569,000	<1.00 U	<5.00 U	18.35
MW-5	Baseline	MW-5		73,000	<40U	<20U	740,000J	<10U	<50U	<50U
MW-5	5/14/2014	MW-5		75,300	0.77J	0.17J	1,140,000	0.06J	12.03	736.6
Duplicate	5/14/2014	MW-5	DUP	70,000	1.18J	0.33J	1,130,000	0.11J	22.13	1320
MW-5	6/4/2015	MW-5		72,500	<5U	<0.4U	1,030,000	<0.5U	4.2J	223.7
MW-5	5/26/2016	MW-5		115,000	<1U	<0.1U	3,020,000	0.1J	2J	29.6
MW-5	5/22/2017	MW-5		84,000	<1.73U	<0.16U	1,800,000	<0.71U	<1.57U	15.6
MW-5	5/30/2018	MW-5		91,400	<5U	<0.4U	1,470,000	<0.5U	<5U	36.68
MW-5	5/30/2019	MW-5		106,000	<1.73U	0.3J	2,210,000	0.16J	15.84	543.9
MW-5	7/20/2020	MW-5		78,900	<5U	<0.4U	1,800,000	<0.5U	<5U	10.24
MW-5	5/27/2021	MW-5		64,900	<5U	<0.4U	1,350,000	<0.5U	<5U	11.14
12574234-052622-DTS-005	5/26/2022	MW-5		68,700	<5.00 U	<0.40 U	2,090,000	<1.00 U	<5.00 U	14.25
MW-6	Baseline	MW-6		66,000	<40U	<20U	410,000J	<10U	<50U	<50U
MW-6	5/14/2014	MW-6		61,100	0.51J	<0.4U	385,000	<0.5U	2.66J	819.6
MW-6	6/4/2015	MW-6		54,200	<5U	<0.4U	393,000	<0.5U	3.1J	121.7
MW-6	5/26/2016	MW-6		60,800	<1U	<0.1U	470,000	<0.1U	2J	98.3
MW-6	5/22/2017	MW-6		49,900	<1.73U	<0.16U	408,000	<0.14U	4.95J	177
MW-6	5/30/2018	MW-6		61,000	<5U	<0.4U	490,000	<0.5U	6.45	157.5
MW-6	5/30/2019	MW-6		63,300	<1.73U	<0.16U	593,000	<0.14U	3.53J	40.84
MW-6	7/20/2020	MW-6		62,400	<25U	<2U	506,000	<2.5U	155.1	3089
MW-6	5/27/2021	MW-6		50,600	<25U	<2U	470,000	<2.5U	<5U	33.57
12574234-052622-BP-008	5/26/2022	MW-6		44,200	<5.00 U	<0.40 U	546,000	<1.00 U	<5.00 U	9.51 J
MW-7	Baseline	MW-7		13,000	<40U	<20U	330,000J	<10U	<50U	<50U
MW-7	5/14/2014	MW-7		9020	<5U	<0.4U	153,000	<0.5U	<5U	9.03J
MW-7	6/4/2015	MW-7		12,200	<5U	<0.4U	186,000	<0.5U	<5U	42.6
MW-7	5/26/2016	MW-7		11,400	<1U	<0.1U	138,000	<0.1U	<0.6U	<2.6U
MW-7	5/22/2017	MW-7		8360	<1.73U	<0.16U	81,800	<0.14U	<1.57U	<3.41U
MW-7	5/30/2018	MW-7		8530	<5U	<0.4U	58,200	<0.5U	<5U	3.89J
MW-7	5/30/2019	MW-7		11,900	13.2	0.52	74,400	0.42J	63.64	507.5
MW-7	7/20/2020	MW-7		8870	<5U	<0.4U	57,000	<0.5U	<5U	20.66
MW-7	5/27/2021	MW-7		8580	<5U	<0.4U	112,000	<0.5U	<5U	<10U
12574234-052522-DTS-002	5/25/2022	MW-7		7,320	<5.00 U	<0.40 U	48,800	<1.00 U	<5.00 U	10.72
12574234-052522-DTS-003	5/25/2022	MW-7	DUP	7,640	<5.00 U	<0.40 U	57,900	<1.00 U	<5.00 U	11.68
MW-8	Baseline	MW-8		18,000	<40U	<20U	420,000J	<10U	<50U	<50U
MW-8	5/14/2014	MW-8		15,900	<5U	<0.4U	504,000	<0.5U	2.15J	6.77J
MW-8	6/4/2015	MW-8		22,600	<5U	<0.4U	519,000	<0.5U	<5U	30
MW-8	5/26/2016	MW-8		26,100	<1U	<0.1U	731,000	<0.1U	8.3	8.2J
MW-8	5/22/2017	MW-8		32,700	<1.73U	<0.16U	1,350,000	<0.71U	<1.57U	<3.41U
MW-8	5/30/2018	MW-8		31,600	<5U	<0.4U	1,020,000	<0.5U	<5U	<10U
MW-8	5/30/2019	MW-8		24,400	<1.73U	<0.16U	568,000	<0.14U	7.25	60.33
MW-8	7/20/2020	MW-8		25,100	<5U	<0.4U	673,000	<0.5U	<5U	<10U
MW-8	5/27/2021	MW-8		21,700	<5U	<0.4U	663,000	<0.5U	<5U	<10U
12574234-052522-DTS-001	5/25/2022	MW-8		19,800	<5.00 U	<0.40 U	587,000	0.24 J	<5.00 U	12.36

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U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Ground Water Laboratory Analytical Results

			Method Name	Dissolved Metals							
			Analyte	Aluminum, Dissolved (Filtered)	Antimony, Dissolved (Filtered)	Arsenic, Dissolved (Filtered)	Barium, Dissolved (Filtered)	Beryllium, Dissolved (Filtered)	Cadmium, Dissolved (Filtered)	Calcium, Dissolved (Filtered)	Chromium, Dissolved (Filtered)
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1		3	25	1000	3	5		50
Sample ID	Date Sampled	Well ID	Sample Type								
MW-1	Baseline	MW-1		<180U	<12U	8.3	140	<4U	<4U	180,000	<50U
MW-1	5/14/2014	MW-1		9.6J	0.17J	1.68	175.8	<0.5U	<0.2U	193,000	3.34
MW-1	6/4/2015	MW-1		10.6	0.1J	0.8	195.9	<0.5U	<0.5U	159,000	3.04
MW-1	5/26/2016	MW-1		8J	1.2J	2.2	200.1	<0.2U	<0.1U	198,000	2.9
Duplicate	5/26/2016	MW-1	DUP	4J	0.7J	1	213.5	<0.2U	<0.1U	247,000	3.3
MW-1	5/22/2017	MW-1		-	-	-	-	-	-	-	-
Duplicate	5/22/2017	MW-1	DUP	-	-	-	-	-	-	-	-
MW-1	5/30/2018	MW-1		6.76J	0.69J	1.14	182.2	<0.5U	<0.2U	183,000	0.96J
Duplicate	5/30/2018	MW-1	DUP	6.66J	0.55J	1.01	180.8	<0.5U	<0.2U	183,000	0.97J
MW-1	5/30/2019	MW-1		4.73J	3.54J	2.76	151	<0.1U	<0.05U	160,000	0.81J
MW-1	7/20/2020	MW-1		<10U	<4U	<0.5U	127.4	<0.5U	<0.2U	119,000	<1U
MW-1	5/27/2021	MW-1		<10U	<4U	2	172.6	<0.5U	<0.2U	153,000	<1U
12574234-052622-BP-004	5/26/2022	MW-1		<10.0 U	<4.00 U	0.92	161.9	<0.50 U	<0.20 U	145,000	0.64 J
MW-2R	Baseline	MW-2R		<180U	<12U	<8U	160	<4U	<4U	320,000	<50U
Duplicate	Baseline	MW-2R	DUP	<180U	<12U	<8U	160	<4U	<4U	310,000	<50U
MW-2R	5/14/2014	MW-2R		-	-	-	-	-	-	-	-
MW-2R	6/4/2015	MW-2R		-	-	-	-	-	-	-	-
Duplicate	6/4/2015	MW-2R	DUP	-	-	-	-	-	-	-	-
MW-2R	5/26/2016	MW-2R		-	-	-	-	-	-	-	-
MW-2R	5/22/2017	MW-2R		-	-	-	-	-	-	-	-
MW-2R	5/30/2018	MW-2R		4.54J	<4U	0.83	231.6	<0.5U	<0.2U	88,800	0.18J
MW-2R	5/30/2019	MW-2R		<3.27U	1.13J	0.68	275.2	<0.1U	<0.05U	89,600	<0.17U
Duplicate	5/30/2019	MW-2R	DUP	<3.27U	0.93J	0.61	272.9	<0.1U	<0.05U	89,800	<0.17U
MW-2R	7/20/2020	MW-2R		<10U	<4U	0.58	316.3	<0.5U	<0.2U	94,100	<1U
Duplicate	7/20/2020	MW-2R	DUP	<10U	<4U	<0.5U	305.4	<0.5U	<0.2U	94,600	<1U
MW-2R	5/27/2021	MW-2R		<10U	<4U	1.15	342.1	<0.5U	<0.2U	96,400	<1U
Duplicate	5/27/2021	MW-2R	DUP	<10U	<4U	1.91	351.4	<0.5U	<0.2U	97,700	<1U
12574234-052622-BP-006	5/26/2022	MW-2R		4.12 J	<4.00 U	1.01	238.5	<0.50 U	<0.20 U	87,100	<1.00 U
MW-4	Baseline	MW-4		<180U	<12U	<8U	620	<4U	<4U	440,000J	<50U
MW-4	5/14/2014	MW-4		-	-	-	-	-	-	-	-
MW-4	6/4/2015	MW-4		-	-	-	-	-	-	-	-
MW-4	5/26/2016	MW-4		-	-	-	-	-	-	-	-
MW-4	5/22/2017	MW-4		-	-	-	-	-	-	-	-
MW-4	5/30/2018	MW-4		9.43J	1.23J	23.96	171.1	<0.5U	<0.2U	243,000	0.35J
MW-4	5/30/2019	MW-4		<3.27U	0.72J	9.13	150	<0.1U	<0.05U	204,000	0.29J
MW-4	7/20/2020	MW-4		42	<4U	2.22	154.7	<0.5U	<0.2U	194,000	<1U
MW-4	5/27/2021	MW-4		<10U	<4U	2.07	170.4	<0.5U	<0.2U	195,000	<1U
12574234-052622-DTS-007	5/26/2022	MW-4		25.3	<4.00 U	0.37 J	180.0	<0.50 U	<0.20 U	222,000	0.37 J
MW-5	Baseline	MW-5		<180U	<12U	10	54	<4U	<4U	220,000J	<50U
MW-5	5/14/2014	MW-5		-	-	-	-	-	-	-	-
Duplicate	5/14/2014	MW-5	DUP	-	-	-	-	-	-	-	-
MW-5	6/4/2015	MW-5		-	-	-	-	-	-	-	-
MW-5	5/26/2016	MW-5		-	-	-	-	-	-	-	-
MW-5	5/22/2017	MW-5		-	-	-	-	-	-	-	-
MW-5	5/30/2018	MW-5		3.75J	1.75J	0.98	82.71	<0.5U	<0.2U	249,000	<1U
MW-5	5/30/2019	MW-5		3.29J	3.54J	1.58	97.95	<0.1U	0.08J	194,000	<0.17U
MW-5	7/20/2020	MW-5		<10U	<4U	1.32	76.76	<0.5U	<0.2U	158,000	<1U
MW-5	5/27/2021	MW-5		<10U	<4U	1.07	67.42	<0.5U	<0.2U	166,000	<1U
12574234-052622-DTS-005	5/26/2022	MW-5		4.72 J	0.86 J	1.70	128.6	<0.50 U	<0.20 U	271,000	<1.00 U
MW-6	Baseline	MW-6		<180U	<12U	10	130	<4U	<4U	340,000J	<50U
MW-6	5/14/2014	MW-6		-	-	-	-	-	-	-	-
MW-6	6/4/2015	MW-6		-	-	-	-	-	-	-	-
MW-6	5/26/2016	MW-6		-	-	-	-	-	-	-	-
MW-6	5/22/2017	MW-6		-	-	-	-	-	-	-	-
MW-6	5/30/2018	MW-6		9.72J	3.82J	5.05	159.1	<0.5U	<0.2U	363,000	0.43J
MW-6	5/30/2019	MW-6		<6.54U	3.64J	5.97	114.8	<0.21U	<0.11U	262,000	<0.35U
MW-6	7/20/2020	MW-6		24.2	<4U	9.38	94.96	<0.5U	<0.2U	240,000	<1U
MW-6	5/27/2021	MW-6		<10U	<4U	4.27	103.3	<0.5U	<0.2U	208,000	<1U
12574234-052622-BP-008	5/26/2022	MW-6		7.23 J	<4.00 U	6.78	111.8	<0.50 U	<0.20 U	206,000	<1.00 U
MW-7	Baseline	MW-7		<180U	<12U	<8U	150	<4U	<4U	130,000	<50U
MW-7	5/14/2014	MW-7		68.3	0.75J	5.08	119.3	<0.5U	0.05J	118,000	23.34
MW-7	6/4/2015	MW-7		-	-	-	-	-	-	-	-
MW-7	5/26/2016	MW-7		4J	0.4J	1.2	80.8	<0.2U	<0.1U	126,000	3
MW-7	5/22/2017	MW-7		<3.27U	<0.42U	0.69	64.71	<0.1U	<0.05U	87,900	0.69J
MW-7	5/30/2018	MW-7		4.06J	<4U	0.6	76.08	<0.5U	<0.2U	97,300	0.69J
MW-7	5/30/2019	MW-7		4.34J	0.87J	0.53	86.61	<0.1U	<0.05U	92,400	1.12
MW-7	7/20/2020	MW-7		11	<4U	0.68	70.83	<0.5U	<0.2U	81,600	1.85
MW-7	5/27/2021	MW-7		<10U	<4U	0.7	79.12	<0.5U	<0.2U	86,400	<1U
12574234-052522-DTS-002	5/25/2022	MW-7		4.40 J	<4.00 U	0.44 J	60.00	<0.50 U	<0.20 U	73,800	0.39 J
12574234-052522-DTS-003	5/25/2022	MW-7	DUP	15.6	<4.00 U	0.44 J	59.76	<0.50 U	<0.20 U	74,700	0.53 J
MW-8	Baseline	MW-8		<180U	<12U	<8U	200	<4U	<4U	160,000	<50U
MW-8	5/14/2014	MW-8		3.95J	0.19J	0.89	366.9	<0.5U	<0.2U	217,000	1.56
MW-8	6/4/2015	MW-8		-	-	-	-	-	-	-	-
MW-8	5/26/2016	MW-8		3J	0.6J	<0.1U	658.2	<0.2U	<0.1U	358,000	1.6J
MW-8	5/22/2017	MW-8		<16.4U	<2.14U	<0.82U	910.4	<0.53U	<0.29U	455,000	<0.89U
MW-8	5/30/2018	MW-8		4.28J	<4U	<0.5U	694.3	<0.5U	0.09J	419,000	<1U
MW-8	5/30/2019	MW-8		<3.27U	0.79J	<0.16U	359	<0.1U	0.97	243,000	<0.17U
MW-8	7/20/2020	MW-8		17.9	<4U	<0.5U	383.3	<0.5U	<0.2U	243,000	<1U
MW-8	5/27/2021	MW-8		<10U	<4U	<0.5U	334	<0.5U	<0.2U	199,000	<1U
12574234-052522-DTS-001	5/25/2022	MW-8		3.48 J	0.50 J	<0.50 U	304.9	<0.50 U	0.07 J	219,000	<1.00 U

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U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

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Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Ground Water Laboratory Analytical Results

			Method Name	Dissolved Metals							
			Analyte	Cobalt, Dissolved (Filtered)	Copper, Dissolved (Filtered)	Iron, Dissolved (Filtered)	Lead, Dissolved (Filtered)	Magnesium, Dissolved (Filtered)	Manganese, Dissolved (Filtered)	Mercury, Dissolved (Filtered)	Nickel, Dissolved (Filtered)
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1		200	300	25	35000	300	0.7	100
Sample ID	Date Sampled	Well ID	Sample Type								
MW-1	Baseline	MW-1		<20U	<50U	760	<4U	30,000	2500	<1U	<50U
MW-1	5/14/2014	MW-1		0.82	0.64J	7470	<1U	27,300	2728	<0.2U	7.43
MW-1	6/4/2015	MW-1		1.3	0.3J	5360	<1U	30,800	2886	<0.2U	10.17
MW-1	5/26/2016	MW-1		1.3	<0.3U	1920	0.2J	30,300	3222	<0.06U	14.1
Duplicate	5/26/2016	MW-1	DUP	1.7	<0.3U	2090	0.1J	32,800	3892	<0.06U	14.6
MW-1	5/22/2017	MW-1		-	-	-	-	-	-	-	-
Duplicate	5/22/2017	MW-1	DUP	-	-	-	-	-	-	-	-
MW-1	5/30/2018	MW-1		1.56	1.48	25.6J	<1U	26,400	1771	<0.2U	8.2
Duplicate	5/30/2018	MW-1	DUP	1.59	0.4J	24.4J	<1U	26,600	1726	<0.2U	8.42
MW-1	5/30/2019	MW-1		1.34	<0.38U	97.7	<0.34U	38,400	1901	<0.09U	6.87
MW-1	7/20/2020	MW-1		1.24	<1U	103	<1U	32,000	1600	<0.2U	9.69
MW-1	5/27/2021	MW-1		0.95	<1U	1620	<1U	36,900	2043	<0.2U	7.93
12574234-052622-BP-004	5/26/2022	MW-1		0.67	<1.00 U	449	<1.00 U	41,400	1,805	<0.20 U	5.44
MW-2R	Baseline	MW-2R		<20U	<50U	870	<4U	140,000	830	<1U	<50U
Duplicate	Baseline	MW-2R	DUP	<20U	<50U	750	<4U	140,000	860	<1U	<50U
MW-2R	5/14/2014	MW-2R		-	-	-	-	-	-	-	-
MW-2R	6/4/2015	MW-2R		-	-	-	-	-	-	-	-
Duplicate	6/4/2015	MW-2R	DUP	-	-	-	-	-	-	-	-
MW-2R	5/26/2016	MW-2R		-	-	-	-	-	-	-	-
MW-2R	5/22/2017	MW-2R		-	-	-	-	-	-	-	-
MW-2R	5/30/2018	MW-2R		0.18J	0.82J	35.1J	<1U	34,400	915.9	<0.2U	0.87J
MW-2R	5/30/2019	MW-2R		0.17J	<0.38U	1840	<0.34U	45,600	911.9	<0.09U	0.75J
Duplicate	5/30/2019	MW-2R	DUP	<0.16U	<0.38U	1010	<0.34U	45,500	930.6	<0.09U	0.73J
MW-2R	7/20/2020	MW-2R		<0.5U	<1U	404	<1U	42,700	830.2	<0.2U	<2U
Duplicate	7/20/2020	MW-2R	DUP	<0.5U	1.06	269	<1U	43,600	826.2	<0.2U	<2U
MW-2R	5/27/2021	MW-2R		<0.5U	<1U	2180	<1U	46,800	890.2	<0.2U	<2U
Duplicate	5/27/2021	MW-2R	DUP	<0.5U	<1U	8110	<1U	46,300	931.2	<0.2U	<2U
12574234-052622-BP-006	5/26/2022	MW-2R		<0.50 U	<1.00 U	1,490	<1.00 U	42,800	653.5	<0.20 U	<2.00 U
MW-4	Baseline	MW-4		<20U	<50U	<280U	<4U	<2000UJ	<40U	<1U	<50U
MW-4	5/14/2014	MW-4		-	-	-	-	-	-	-	-
MW-4	6/4/2015	MW-4		-	-	-	-	-	-	-	-
MW-4	5/26/2016	MW-4		-	-	-	-	-	-	-	-
MW-4	5/22/2017	MW-4		-	-	-	-	-	-	-	-
MW-4	5/30/2018	MW-4		0.61	<1U	49.1J	0.91J	27,200	433.7	<0.2U	3.39
MW-4	5/30/2019	MW-4		0.6	<0.38U	89.4	<0.34U	31,200	490.6	<0.09U	4.29
MW-4	7/20/2020	MW-4		0.58	<1U	<50U	<1U	29,700	563.3	<0.2U	3.38
MW-4	5/27/2021	MW-4		0.51	<1U	<50U	<1U	38,200	604.2	<0.2U	2.79
12574234-052622-DTS-007	5/26/2022	MW-4		0.44 J	<1.00 U	35.0 J	<1.00 U	32,600	748.2	<0.20 U	2.76
MW-5	Baseline	MW-5		<20U	<50U	370	4	120,000J	970	<1U	<50U
MW-5	5/14/2014	MW-5		-	-	-	-	-	-	-	-
Duplicate	5/14/2014	MW-5	DUP	-	-	-	-	-	-	-	-
MW-5	6/4/2015	MW-5		-	-	-	-	-	-	-	-
MW-5	5/26/2016	MW-5		-	-	-	-	-	-	-	-
MW-5	5/22/2017	MW-5		-	-	-	-	-	-	-	-
MW-5	5/30/2018	MW-5		0.73	0.9J	35J	<1U	160,000	511.1	<0.2U	5.02
MW-5	5/30/2019	MW-5		1.55	0.71J	168	2.71	216,000	415.8	<0.09U	10.96
MW-5	7/20/2020	MW-5		0.69	<1U	<50U	<1U	200,000	269	<0.2U	3.96
MW-5	5/27/2021	MW-5		0.71	<1U	<50U	<1U	136,000	215.3	<0.2U	5.1
12574234-052622-DTS-005	5/26/2022	MW-5		0.45 J	<1.00 U	176	<1.00 U	231,000	393.5	<0.20 U	2.91
MW-6	Baseline	MW-6		<20U	<50U	370	5	46,000J	630	<1U	<50U
MW-6	5/14/2014	MW-6		-	-	-	-	-	-	-	-
MW-6	6/4/2015	MW-6		-	-	-	-	-	-	-	-
MW-6	5/26/2016	MW-6		-	-	-	-	-	-	-	-
MW-6	5/22/2017	MW-6		-	-	-	-	-	-	-	-
MW-6	5/30/2018	MW-6		1.25	1.98	79.9	0.76J	43,000	1155	<0.2U	6.44
MW-6	5/30/2019	MW-6		1.22	<0.76U	138	<0.68U	39,600	868.6	<0.09U	6.6
MW-6	7/20/2020	MW-6		1.75	1.67	138	3.5	34,200	656.7	<0.2U	10.23
MW-6	5/27/2021	MW-6		0.98	<1U	50.7	<1U	38,700	515.3	<0.2U	4.88
12574234-052622-BP-008	5/26/2022	MW-6		0.83	<1.00 U	44.9 J	<1.00 U	39,300	621.9	<0.20 U	3.59
MW-7	Baseline	MW-7		<20U	<50U	980	<4U	8500	950	<1U	110
MW-7	5/14/2014	MW-7		1.28	1.31	13,400	2.24	8240	853.8	<0.2U	135.9
MW-7	6/4/2015	MW-7		-	-	-	-	-	-	-	-
MW-7	5/26/2016	MW-7		1.6	<0.3U	652	<0.1U	7540	1038	<0.06U	158
MW-7	5/22/2017	MW-7		1.85	<0.38U	172	<0.34U	9920	1130	<0.06U	142.7
MW-7	5/30/2018	MW-7		2.6	0.77J	22.8J	<1U	15,900	1688	<0.2U	169.5
MW-7	5/30/2019	MW-7		2.45	<0.38U	81.4	<0.34U	16,800	2298	<0.09U	196.3
MW-7	7/20/2020	MW-7		1.55	<1U	120	<1U	13,200	1675	<0.2U	142.3
MW-7	5/27/2021	MW-7		1.29	3.79	675	<1U	14,900	1835	<0.2U	111.1
12574234-052522-DTS-002	5/25/2022	MW-7		1.42	<1.00 U	54.5	<1.00 U	14,200	1,629	<0.20 U	113.5
12574234-052522-DTS-003	5/25/2022	MW-7	DUP	1.42	<1.00 U	78.8	<1.00 U	14,000	1,620	<0.20 U	114.0
MW-8	Baseline	MW-8		<20U	<50U	1200	<4U	8200	810	<1U	<50U
MW-8	5/14/2014	MW-8		0.33J	0.68J	19,400	<1U	11,600	971.8	<0.2U	3.29
MW-8	6/4/2015	MW-8		-	-	-	-	-	-	-	-
MW-8	5/26/2016	MW-8		<0.1U	<0.3U	26,500	<0.1U	17,900	1939	<0.06U	5
MW-8	5/22/2017	MW-8		<0.81U	<1.92U	19,200	<1.71U	24,300	1551	<0.06U	<2.78U
MW-8	5/30/2018	MW-8		<0.5U	1.1	43J	<1U	24,900	744.6	<0.2U	1.44J
MW-8	5/30/2019	MW-8		0.29J	0.4J	101	<0.34U	18,000	361.7	<0.09U	1J
MW-8	7/20/2020	MW-8		<0.5U	1.52	55.3	<1U	16,300	522.6	<0.2U	<2U
MW-8	5/27/2021	MW-8		<0.5U	<1U	3930	<1U	13,800	582.4	<0.2U	<2U
12574234-052522-DTS-001	5/25/2022	MW-8		<0.50 U	0.47 J	410	<1.00 U	14,500	351.9	<0.20 U	1.02 J

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Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Ground Water Laboratory Analytical Results

			Method Name	Dissolved Metals						
			Analyte	Potassium, Dissolved (Filtered)	Selenium, Dissolved (Filtered)	Silver, Dissolved (Filtered)	Sodium, Dissolved (Filtered)	Thallium, Dissolved (Filtered)	Vanadium, Dissolved (Filtered)	Zinc, Dissolved (Filtered)
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1		10	50	20000	0.5		2000
Sample ID	Date Sampled	Well ID	Sample Type							
MW-1	Baseline	MW-1		15,000	<40U	<20U	190,000J	<10U	<50U	<50U
MW-1	5/14/2014	MW-1		14,200	1.29J	<0.4U	356,000	<0.5U	0.35J	2.48J
MW-1	6/4/2015	MW-1		15,800	<100U	<5U	298,000	<0.5U	<5U	4.87J
MW-1	5/26/2016	MW-1		16,400	<1U	<0.1U	382,000	<0.1U	<0.6U	<2.6U
Duplicate	5/26/2016	MW-1	DUP	16,800	<1U	<0.1U	470,000	<0.1U	<0.6U	<2.6U
MW-1	5/22/2017	MW-1		-	-	-	-	-	-	-
Duplicate	5/22/2017	MW-1	DUP	-	-	-	-	-	-	-
MW-1	5/30/2018	MW-1		15,900	<5U	<0.4U	430,000	<0.5U	<5U	7.39J
Duplicate	5/30/2018	MW-1	DUP	15,800	<5U	<0.4U	425,000	<0.5U	<5U	4.89J
MW-1	5/30/2019	MW-1		15,200	<1.73U	<0.16U	361,000	0.19J	<1.57U	<3.41U
MW-1	7/20/2020	MW-1		11,900	<5U	<0.4U	220,000	<0.5U	<5U	12.22
MW-1	5/27/2021	MW-1		14,600	<5U	<0.4U	558,000	<0.5U	<5U	<10U
12574234-052622-BP-004	5/26/2022	MW-1		14,100	<5.00 U	<0.40 U	656,000	<1.00 U	<5.00 U	<10.00 U
MW-2R	Baseline	MW-2R		55,000	<40U	<20U	760,000J	<10U	<50U	<50U
Duplicate	Baseline	MW-2R	DUP	54,000	<40U	<20U	750,000J	<10U	<50U	<50U
MW-2R	5/14/2014	MW-2R		-	-	-	-	-	-	-
MW-2R	6/4/2015	MW-2R		-	-	-	-	-	-	-
Duplicate	6/4/2015	MW-2R	DUP	-	-	-	-	-	-	-
MW-2R	5/26/2016	MW-2R		-	-	-	-	-	-	-
MW-2R	5/22/2017	MW-2R		-	-	-	-	-	-	-
MW-2R	5/30/2018	MW-2R		17,400	<5U	<0.4U	213,000	<0.5U	<5U	<10U
MW-2R	5/30/2019	MW-2R		18,000	<1.73U	<0.16U	230,000	<0.14U	<1.57U	<3.41U
Duplicate	5/30/2019	MW-2R	DUP	18,200	<1.73U	<0.16U	230,000	<0.14U	<1.57U	<3.41U
MW-2R	7/20/2020	MW-2R		19,300	<5U	<0.4U	254,000	<0.5U	<5U	<10U
Duplicate	7/20/2020	MW-2R	DUP	19,400	<5U	<0.4U	257,000	<0.5U	<5U	<10U
MW-2R	5/27/2021	MW-2R		18,500	<5U	<0.4U	293,000	<0.5U	<5U	<10U
Duplicate	5/27/2021	MW-2R	DUP	18,900	<5U	<0.4U	292,000	<0.5U	<5U	<10U
12574234-052622-BP-006	5/26/2022	MW-2R		18,400	<5.00 U	<0.40 U	236,000	<1.00 U	<5.00 U	<10.00 U
MW-4	Baseline	MW-4		65,000	<40U	<20U	250,000J	<10U	<50U	<50U
MW-4	5/14/2014	MW-4		-	-	-	-	-	-	-
MW-4	6/4/2015	MW-4		-	-	-	-	-	-	-
MW-4	5/26/2016	MW-4		-	-	-	-	-	-	-
MW-4	5/22/2017	MW-4		-	-	-	-	-	-	-
MW-4	5/30/2018	MW-4		40,300	<5U	<0.4U	457,000	<0.5U	<5U	3.52J
MW-4	5/30/2019	MW-4		46,900	<1.73U	<0.16U	436,000	<0.14U	<1.57U	<3.41U
MW-4	7/20/2020	MW-4		46,400	<5U	<0.4U	436,000	<0.5U	<5U	<10U
MW-4	5/27/2021	MW-4		48,500	<5U	<0.4U	481,000	<0.5U	<5U	<10U
12574234-052622-DTS-007	5/26/2022	MW-4		57,800	<5.00 U	<0.40 U	389,000	<1.00 U	<5.00 U	<10.00 U
MW-5	Baseline	MW-5		77,000	<40U	<20U	760,000J	<10U	<50U	<50U
MW-5	5/14/2014	MW-5		-	-	-	-	-	-	-
Duplicate	5/14/2014	MW-5	DUP	-	-	-	-	-	-	-
MW-5	6/4/2015	MW-5		-	-	-	-	-	-	-
MW-5	5/26/2016	MW-5		-	-	-	-	-	-	-
MW-5	5/22/2017	MW-5		-	-	-	-	-	-	-
MW-5	5/30/2018	MW-5		89,000	<5U	<0.4U	1,540,000	<0.5U	<5U	7.43J
MW-5	5/30/2019	MW-5		79,800	<1.73U	<0.16U	1,980,000	0.18J	<1.57U	54.04
MW-5	7/20/2020	MW-5		79,300	<5U	<0.4U	1,980,000	<0.5U	<5U	<10U
MW-5	5/27/2021	MW-5		71,800	<5U	<0.4U	1,320,000	<0.5U	<5U	<10U
12574234-052622-DTS-005	5/26/2022	MW-5		112,000	<5.00 U	<0.40 U	2,330,000	0.19 J	<5.00 U	<10.00 U
MW-6	Baseline	MW-6		65,000	<40U	<20U	400,000J	<10U	<50U	<50U
MW-6	5/14/2014	MW-6		-	-	-	-	-	-	-
MW-6	6/4/2015	MW-6		-	-	-	-	-	-	-
MW-6	5/26/2016	MW-6		-	-	-	-	-	-	-
MW-6	5/22/2017	MW-6		-	-	-	-	-	-	-
MW-6	5/30/2018	MW-6		49,400	<5U	<0.4U	617,000	0.23J	<5U	13.14
MW-6	5/30/2019	MW-6		53,800	<3.46U	<0.32U	504,000	<0.28U	<3.14U	15.95J
MW-6	7/20/2020	MW-6		53,800	<5U	<0.4U	440,000	<0.5U	<5U	33.09
MW-6	5/27/2021	MW-6		52,700	<5U	<0.4U	473,000	<0.5U	<5U	<10U
12574234-052622-BP-008	5/26/2022	MW-6		58,400	<5.00 U	<0.40 U	615,000	<1.00 U	<5.00 U	<10.00 U
MW-7	Baseline	MW-7		15,000	<40U	<20U	380,000J	<10U	<50U	<50U
MW-7	5/14/2014	MW-7		10,400	0.59J	0.13J	175,000	<0.5U	0.54J	6.31J
MW-7	6/4/2015	MW-7		-	-	-	-	-	-	-
MW-7	5/26/2016	MW-7		10,200	<1U	<0.1U	185,000	<0.1U	<0.6U	<2.6U
MW-7	5/22/2017	MW-7		9080	<1.73U	<0.16U	84,800	<0.14U	<1.57U	<3.41U
MW-7	5/30/2018	MW-7		8570	<5U	<0.4U	63,400	<0.5U	<5U	<10U
MW-7	5/30/2019	MW-7		8650	<1.73U	<0.16U	63,000	<0.14U	<1.57U	<3.41U
MW-7	7/20/2020	MW-7		8930	<5U	<0.4U	59,400	<0.5U	<5U	<10U
MW-7	5/27/2021	MW-7		9210	<5U	<0.4U	135,000	<0.5U	<5U	<10U
12574234-052522-DTS-002	5/25/2022	MW-7		8,180	<5.00 U	<0.40 U	63,000	<1.00 U	<5.00 U	<10.00 U
12574234-052522-DTS-003	5/25/2022	MW-7	DUP	8,080	<5.00 U	<0.40 U	63,200	<1.00 U	<5.00 U	<10.00 U
MW-8	Baseline	MW-8		19,000	<40U	<20U	450,000J	<10U	<50U	<50U
MW-8	5/14/2014	MW-8		17,800	1.08J	<0.4U	500,000	<0.5U	0.48J	3.82J
MW-8	6/4/2015	MW-8		-	-	-	-	-	-	-
MW-8	5/26/2016	MW-8		25,500	<1U	<0.1U	866,000	<0.1U	<0.6U	<2.6U
MW-8	5/22/2017	MW-8		33,600	<8.65U	<0.81U	1,320,000	<0.71U	<7.85U	<17.05U
MW-8	5/30/2018	MW-8		29,500	<5U	<0.4U	1,060,000	<0.5U	<5U	3.79J
MW-8	5/30/2019	MW-8		21,200	<1.73U	<0.16U	558,000	<0.14U	<1.57U	15.21
MW-8	7/20/2020	MW-8		23,300	<5U	<0.4U	666,000	<0.5U	<5U	<10U
MW-8	5/27/2021	MW-8		22,000	<5U	<0.4U	684,000	<0.5U	<5U	<10U
12574234-052522-DTS-001	5/25/2022	MW-8		22,900	<5.00 U	<0.40 U	688,000	<1.00 U	<5.00 U	<10.00 U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Ground Water Sample Laboratory Analytical Results

			Method Name	VOCs										
			Analyte	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloro-1,2,2-trifluoroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-dibromo-3-chloropropane	1,2-dibromoethane	1,2-dichlorobenzene
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1	5	5		1	5	5		5	0.04	5	
Sample ID	Date Sampled	Well ID	Sample Type											
MW-1	Baseline	MW-1		<1U	<1U	-	<1U	<1U	<1U	-	<1UJ	<1UJ	<1U	<1UJ
MW-1	5/14/2014	MW-1		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-1	6/4/2015	MW-1		<2.5U	<0.5U	-	<1.5U	0.81J	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-1	5/26/2016	MW-1		<0.7U	<0.14U	<0.7U	<0.5U	<0.7U	<0.14U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
Duplicate	5/26/2016	MW-1	DUP	<0.7U	<0.14U	<0.7U	<0.5U	<0.7U	<0.14U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-1	5/22/2017	MW-1		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
Duplicate	5/22/2017	MW-1	DUP	<0.7U	<0.17U	<0.7U	<0.5U	0.7J	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-1	5/30/2018	MW-1		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
Duplicate	5/30/2018	MW-1	DUP	<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-1	5/30/2019	MW-1		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65J	<0.7U
MW-1	7/20/2020	MW-1		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U
MW-1	5/27/2021	MW-1		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U
12574234-052622-BP-004	5/26/2022	MW-1		<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U
MW-2R	Baseline	MW-2R		<1U	<1U	-	<1U	<1U	<1U	-	<1UJ	<1UJ	<1U	<1UJ
Duplicate	Baseline	MW-2R	DUP	<1UJ	<1UJ	-	<1U	<1U	<1U	-	<1UJ	<1UJ	<1U	<1UJ
MW-2R	5/14/2014	MW-2R		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-2R	6/4/2015	MW-2R		<2.5U	<0.5U	-	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
Duplicate	6/4/2015	MW-2R	DUP	<2.5U	<0.5U	-	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-2R	5/26/2016	MW-2R		<0.7U	<0.14U	<0.7U	<0.5U	<0.7U	<0.14U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-2R	5/22/2017	MW-2R		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-2R	5/30/2018	MW-2R		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-2R	5/30/2019	MW-2R		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
Duplicate	5/30/2019	MW-2R	DUP	<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-2R	7/20/2020	MW-2R		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U
Duplicate	7/20/2020	MW-2R	DUP	<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U
MW-2R	5/27/2021	MW-2R		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U
Duplicate	5/27/2021	MW-2R	DUP	<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U
12574234-052622-BP-006	5/26/2022	MW-2R		<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U
MW-4	Baseline	MW-4		<1U	<1U	-	<1U	<1U	<1U	-	<1UJ	<1UJ	<1U	<1U
MW-4	5/14/2014	MW-4		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-4	6/4/2015	MW-4		<2.5U	<0.5U	-	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-4	5/26/2016	MW-4		<0.7U	<0.14U	<0.7U	<0.5U	<0.7U	<0.14U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-4	5/22/2017	MW-4		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-4	5/30/2018	MW-4		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-4	5/30/2019	MW-4		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-4	7/20/2020	MW-4		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U
MW-4	5/27/2021	MW-4		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U
12574234-052622-DTS-007	5/26/2022	MW-4		<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U
MW-5	Baseline	MW-5		<1U	<1U	-	<1U	<1U	<1U	-	<1UJ	<1UJ	<1U	<1U
MW-5	5/14/2014	MW-5		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
Duplicate	5/14/2014	MW-5	DUP	<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-5	6/4/2015	MW-5		<2.5U	<0.5U	-	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-5	5/26/2016	MW-5		<0.7U	<0.14U	<0.7U	<0.5U	<0.7U	<0.14U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-5	5/22/2017	MW-5		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-5	5/30/2018	MW-5		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-5	5/30/2019	MW-5		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-5	7/20/2020	MW-5		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U
MW-5	5/27/2021	MW-5		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U
12574234-052622-DTS-005	5/26/2022	MW-5		<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U
MW-6	Baseline	MW-6		<1U	<1U	-	<1U	<1U	<1U	-	<1UJ	<1UJ	<1U	<1U
MW-6	5/14/2014	MW-6		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-6	6/4/2015	MW-6		<2.5U	<0.5U	-	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-6	5/26/2016	MW-6		<0.7U	<0.14U	<0.7U	<0.5U	<0.7U	<0.14U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-6	5/22/2017	MW-6		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-6	5/30/2018	MW-6		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-6	5/30/2019	MW-6		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-6	7/20/2020	MW-6		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U
MW-6	5/27/2021	MW-6		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U
12574234-052622-BP-008	5/26/2022	MW-6		<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U
MW-7	Baseline	MW-7		<1U	<1U	-	<1U	<1U	<1U	-	<1UJ	<1UJ	<1U	<1UJ
MW-7	5/14/2014	MW-7		<2.5U	<0.5U	<2.5U	<1.5U	0.75J	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-7	6/4/2015	MW-7		<2.5U	<0.5U	-	<1.5U	1.1J	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-7	5/26/2016	MW-7		<0.7U	<0.14U	<0.7U	<0.5U	<0.7U	<0.14U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-7	5/22/2017	MW-7		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	0.22J	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-7	5/30/2018	MW-7		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	0.24J	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-7	5/30/2019	MW-7		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-7	7/20/2020	MW-7		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U
MW-7	5/27/2021	MW-7		<0.33U	<0.46U	<0.2U	<0.35U	<0.36U	<0.34U	<0.74U	<0.7U	<0.51U	<0.34U	<0.48U
12574234-052522-DTS-002	5/25/2022	MW-7		<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U
12574234-052522-DTS-003	5/25/2022	MW-7	DUP	<2.5 U	<0.50 U	<2.5 U	<1.5 U	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.0 U	<2.5 U
MW-8	Baseline	MW-8		<1UJ	<1UJ	-	<1U	<1U	<1U	-	<1UJ	<1UJ	<1U	<1UJ
MW-8	5/14/2014	MW-8		<2.5U	<0.5U	<2.5U	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-8	6/4/2015	MW-8		<2.5U	<0.5U	-	<1.5U	<2.5U	<0.5U	<2.5U	<2.5U	<2.5U	<2U	<2.5U
MW-8	5/26/2016	MW-8		<0.7U	<0.14U	<0.7U	<0.5U	<0.7U	<0.14U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-8	5/22/2017	MW-8		<0.7U	<0.17U	<0.7U	<0.5U	<0.7U	<0.17U	<0.7U	<0.7U	<0.7U	<0.65U	<0.7U
MW-8	5/30/2018													

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3
Summary of Ground Water Sample Laboratory Analytical Results

			Method Name	VOCs										
			Analyte	1,2-dichloroethane	1,2-dichloropropane	1,3-dichlorobenzene	1,4-dichlorobenzene	1,4-dioxane	2-butanone	2-hexanone	4-methyl-2-pentanone	Acetone	Benzene	Bromochloromethane
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1	0.6	1				50	50		50	1	
Sample ID	Date Sampled	Well ID	Sample Type											
MW-1	Baseline	MW-1		<0.5U	<1U	<1U	<1UJ	-	<1U	<1U	<1U	<10U	<0.5U	-
MW-1	5/14/2014	MW-1		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	2.7J	<0.5U	<2.5U
MW-1	6/4/2015	MW-1		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U	<2.5U
MW-1	5/26/2016	MW-1		<0.13U	<0.13U	<0.7U	<0.7U	<41U	<1.9U	<1U	<1U	<1.5U	<0.16U	<0.7U
Duplicate	5/26/2016	MW-1	DUP	<0.13U	<0.13U	<0.7U	<0.7U	<41U	<1.9U	<1U	<1U	<1.5U	<0.16U	<0.7U
MW-1	5/22/2017	MW-1		<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	4.8J	<0.16U	<0.7U
Duplicate	5/22/2017	MW-1	DUP	<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	<1.5U	<0.16U	<0.7U
MW-1	5/30/2018	MW-1		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U	<2.5U
Duplicate	5/30/2018	MW-1	DUP	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U	<2.5U
MW-1	5/30/2019	MW-1		0.14J	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	2.1J	<0.16U	<0.7U
MW-1	7/20/2020	MW-1		<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U	<0.39U
MW-1	5/27/2021	MW-1		<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U	<0.39U
12574234-052622-BP-004	5/26/2022	MW-1		<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U	<2.5 U
MW-2R	Baseline	MW-2R		<0.5U	<1U	<1U	<1UJ	-	<1U	<1U	<1U	<10U	<0.5U	-
Duplicate	Baseline	MW-2R	DUP	<0.5U	<1U	<1U	<1UJ	-	<1U	<1U	<1U	<10U	<0.5U	-
MW-2R	5/14/2014	MW-2R		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	2.3J	<0.5U	<2.5U
MW-2R	6/4/2015	MW-2R		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U	<2.5U
Duplicate	6/4/2015	MW-2R	DUP	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U	<2.5U
MW-2R	5/26/2016	MW-2R		<0.13U	<0.13U	<0.7U	<0.7U	<41U	<1.9U	<1U	<1U	<1.5U	<0.16U	<0.7U
MW-2R	5/22/2017	MW-2R		<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	<1.5U	<0.16U	<0.7U
MW-2R	5/30/2018	MW-2R		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U	<2.5U
MW-2R	5/30/2019	MW-2R		<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	4.4J	<0.16U	<0.7U
Duplicate	5/30/2019	MW-2R	DUP	<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	<1.5U	<0.16U	<0.7U
MW-2R	7/20/2020	MW-2R		<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U	<0.39U
Duplicate	7/20/2020	MW-2R	DUP	<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U	<0.39U
MW-2R	5/27/2021	MW-2R		<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U	<0.39U
Duplicate	5/27/2021	MW-2R	DUP	<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U	<0.39U
12574234-052622-BP-006	5/26/2022	MW-2R		<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U	<2.5 U
MW-4	Baseline	MW-4		<0.5U	<1U	<1U	<1U	-	<1U	<1U	<1U	4	<0.5U	-
MW-4	5/14/2014	MW-4		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	5	<0.5U	<2.5U
MW-4	6/4/2015	MW-4		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U	<2.5U
MW-4	5/26/2016	MW-4		<0.13U	<0.13U	<0.7U	<0.7U	<41U	<1.9U	<1U	<1U	2.3J	<0.16U	<0.7U
MW-4	5/22/2017	MW-4		<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	5.9	<0.16U	<0.7U
MW-4	5/30/2018	MW-4		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U	<2.5U
MW-4	5/30/2019	MW-4		<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	1.7J	<0.16U	<0.7U
MW-4	7/20/2020	MW-4		<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U	<0.39U
MW-4	5/27/2021	MW-4		<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U	<0.39U
12574234-052622-DTS-007	5/26/2022	MW-4		<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U	<2.5 U
MW-5	Baseline	MW-5		<0.5U	<1U	<1U	<1U	-	<1U	<1U	<1U	<10U	<0.5U	-
MW-5	5/14/2014	MW-5		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	2.2J	<0.5U	<2.5U
Duplicate	5/14/2014	MW-5	DUP	<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	2.7J	<0.5U	<2.5U
MW-5	6/4/2015	MW-5		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U	<2.5U
MW-5	5/26/2016	MW-5		<0.13U	<0.13U	<0.7U	<0.7U	<41U	<1.9U	<1U	<1U	<1.5U	<0.16U	<0.7U
MW-5	5/22/2017	MW-5		<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	<1.5U	<0.16U	<0.7U
MW-5	5/30/2018	MW-5		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	2.2J	<0.5U	<2.5U
MW-5	5/30/2019	MW-5		<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	<1.5U	<0.16U	<0.7U
MW-5	7/20/2020	MW-5		<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U	<0.39U
MW-5	5/27/2021	MW-5		<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U	<0.39U
12574234-052622-DTS-005	5/26/2022	MW-5		<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<0.50 U	<2.5 U
MW-6	Baseline	MW-6		<0.5U	<1U	<1U	<1U	-	<1U	<1U	<1U	12	1.1	-
MW-6	5/14/2014	MW-6		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	3.7J	<0.5U	<2.5U
MW-6	6/4/2015	MW-6		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	0.34J	<2.5U
MW-6	5/26/2016	MW-6		<0.13U	<0.13U	<0.7U	<0.7U	<41U	<1.9U	<1U	<1U	2J	<0.16U	<0.7U
MW-6	5/22/2017	MW-6		<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	9.8	<0.16U	<0.7U
MW-6	5/30/2018	MW-6		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	4.5J	<0.5U	<2.5U
MW-6	5/30/2019	MW-6		<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	3.5J	<0.16U	<0.7U
MW-6	7/20/2020	MW-6		<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U	<0.39U
MW-6	5/27/2021	MW-6		<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	<0.25U	<0.39U
12574234-052622-BP-008	5/26/2022	MW-6		<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	0.24 J	<2.5 U
MW-7	Baseline	MW-7		<0.5U	<1U	<1U	<1UJ	-	<1U	<1U	<1U	<10U	0.2	-
MW-7	5/14/2014	MW-7		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	1.6J	2.3	<2.5U
MW-7	6/4/2015	MW-7		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	4	<2.5U
MW-7	5/26/2016	MW-7		<0.13U	<0.13U	<0.7U	<0.7U	<41U	<1.9U	<1U	<1U	<1.5U	0.66	<0.7U
MW-7	5/22/2017	MW-7		<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	<1.5U	0.54	<0.7U
MW-7	5/30/2018	MW-7		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	0.36J	<2.5U
MW-7	5/30/2019	MW-7		<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	2.3J	<0.16U	<0.7U
MW-7	7/20/2020	MW-7		<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	0.7J	<0.39U
MW-7	5/27/2021	MW-7		<0.26U	<0.36U	<0.5U	<0.49U	<7.43U	<0.58U	<0.69U	<0.35U	<0.9U	0.59	<0.39U
12574234-052522-DTS-002	5/25/2022	MW-7		<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	0.50	<2.5 U
12574234-052522-DTS-003	5/25/2022	MW-7	DUP	<0.50 U	<1.0 U	<2.5 U	<2.5 U	<250 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	0.76	<2.5 U
MW-8	Baseline	MW-8		<0.5U	<1U	<1U	<1UJ	-	<1U	<1U	<1U	<10U	<0.5U	-
MW-8	5/14/2014	MW-8		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	1.4J	<0.5U	<2.5U
MW-8	6/4/2015	MW-8		<0.5U	<1U	<2.5U	<2.5U	<250U	<5U	<5U	<5U	<5U	<0.5U	<2.5U
MW-8	5/26/2016	MW-8		<0.13U	<0.13U	<0.7U	<0.7U	<41U	<1.9U	<1U	<1U	<1.5U	<0.16U	<0.7U
MW-8	5/22/2017	MW-8		<0.13U	<0.14U	<0.7U	<0.7U	<61U	<1.9U	<1U	<1U	<1.5U	<0.16U	<0.7U
MW-8	5/30/2018	MW-8		<0.5U	<1U	<2.								



Table 3
Summary of Ground Water Sample Laboratory Analytical Results

			Method Name	VOCs										
			Analyte	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1	5	50	5	60	5	5	5	7		5	0.4
Sample ID	Date Sampled	Well ID	Sample Type											
MW-1	Baseline	MW-1		<1U	<1UJ	<1U	<1U	<1U	1	<1U	<1U	<1U	<1U	<1U
MW-1	5/14/2014	MW-1		<0.5U	<2U	<2.5U	<5U	<0.5U	0.72J	<2.5U	<2.5U	<2.5U	2.1J	<0.5U
MW-1	6/4/2015	MW-1		<0.5U	<2U	<2.5U	<5U	<0.5U	0.81J	<2.5U	<2.5U	<2.5U	2.7	<0.5U
MW-1	5/26/2016	MW-1		<0.19U	<0.65U	<0.7U	<1U	<0.13U	0.77J	<0.7U	<0.7U	<0.7U	1.5J	<0.14U
Duplicate	5/26/2016	MW-1	DUP	<0.19U	<0.65U	<0.7U	<1U	<0.13U	0.86J	<0.7U	<0.7U	<0.7U	1.7J	<0.14U
MW-1	5/22/2017	MW-1		<0.19U	<0.65U	<0.7U	<1U	<0.13U	0.71J	<0.7U	<0.7U	<0.7U	80	<0.14U
Duplicate	5/22/2017	MW-1	DUP	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	66	<0.14U
MW-1	5/30/2018	MW-1		<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	17	<0.5U
Duplicate	5/30/2018	MW-1	DUP	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	23	<0.5U
MW-1	5/30/2019	MW-1		<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	5	<0.14U
MW-1	7/20/2020	MW-1		<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	1.1	<0.3U
MW-1	5/27/2021	MW-1		<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	9.8	<0.3U
12574234-052622-BP-004	5/26/2022	MW-1		<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U
MW-2R	Baseline	MW-2R		<1U	<1UJ	<1U	<1U	<1U	1	<1U	<1U	<1U	<1U	<1U
Duplicate	Baseline	MW-2R	DUP	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U
MW-2R	5/14/2014	MW-2R		<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U
MW-2R	6/4/2015	MW-2R		<0.5U	<2U	<2.5U	2.2J	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U
Duplicate	6/4/2015	MW-2R	DUP	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U
MW-2R	5/26/2016	MW-2R		<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U
MW-2R	5/22/2017	MW-2R		<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U
MW-2R	5/30/2018	MW-2R		<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U
MW-2R	5/30/2019	MW-2R		<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U
Duplicate	5/30/2019	MW-2R	DUP	<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.27U	<0.7U	<0.14U
MW-2R	7/20/2020	MW-2R		<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U
Duplicate	7/20/2020	MW-2R	DUP	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U
MW-2R	5/27/2021	MW-2R		<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U
Duplicate	5/27/2021	MW-2R	DUP	<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U
12574234-052622-BP-006	5/26/2022	MW-2R		<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U
MW-4	Baseline	MW-4		<1U	<1UJ	<1UJ	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U
MW-4	5/14/2014	MW-4		<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U
MW-4	6/4/2015	MW-4		<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U
MW-4	5/26/2016	MW-4		<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U
MW-4	5/22/2017	MW-4		<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U
MW-4	5/30/2018	MW-4		<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U
MW-4	5/30/2019	MW-4		<0.19U	<0.65U	<0.7U	4J	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U
MW-4	7/20/2020	MW-4		<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U
MW-4	5/27/2021	MW-4		<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U
12574234-052622-DTS-007	5/26/2022	MW-4		<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U
MW-5	Baseline	MW-5		<1U	<1UJ	<1UJ	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U
MW-5	5/14/2014	MW-5		<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U
Duplicate	5/14/2014	MW-5	DUP	<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U
MW-5	6/4/2015	MW-5		<0.5U	<2U	<2.5U	3.5J	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U
MW-5	5/26/2016	MW-5		<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U
MW-5	5/22/2017	MW-5		<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U
MW-5	5/30/2018	MW-5		<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U
MW-5	5/30/2019	MW-5		<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U
MW-5	7/20/2020	MW-5		<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U
MW-5	5/27/2021	MW-5		<0.33U	<0.45U	<0.63U	<0.44U	<0.25U	<0.42U	<0.4U	<0.3U	<0.48U	<0.3U	<0.3U
12574234-052622-DTS-005	5/26/2022	MW-5		<0.50 U	<2.0 U	<2.5 U	<5.0 U	<0.50 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<0.50 U
MW-6	Baseline	MW-6		<1U	<1UJ	<1UJ	<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U
MW-6	5/14/2014	MW-6		<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U
MW-6	6/4/2015	MW-6		<0.5U	<2U	<2.5U	<5U	<0.5U	<2.5U	<2.5U	<2.5U	<2.5U	<2.5U	<0.5U
MW-6	5/26/2016	MW-6		<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.14U
MW-6	5/22/2017	MW-6		<0.19U	<0.65U	<0.7U	<1U	<0.13U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	



Table 3
Summary of Ground Water Sample Laboratory Analytical Results

			Method Name	VOCs										
			Analyte	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene	Methyl acetate	Methyl cyclohexane	Methyl tert butyl ether	Methylene chloride	o-xylene	p/m-xylene
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1		50	5	5	5			10	5	5	5
Sample ID	Date Sampled	Well ID	Sample Type											
MW-1	Baseline	MW-1		<1U	<1U	<1U	<1U	<1UJ	-	<1U	1.5	<1U	-	-
MW-1	5/14/2014	MW-1		<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	4.6	<2.5U	<2.5U	<2.5U
MW-1	6/4/2015	MW-1		-	<0.5U	<5U	<2.5U	<2.5U	-	-	21	<2.5U	<2.5U	<2.5U
MW-1	5/26/2016	MW-1		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	5	<0.7U	<0.7U	<0.7U
Duplicate	5/26/2016	MW-1	DUP	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	5.5	<0.7U	<0.7U	<0.7U
MW-1	5/22/2017	MW-1		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	7	<0.7U	<0.7U	<0.7U
Duplicate	5/22/2017	MW-1	DUP	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	4.8	<0.7U	<0.7U	<0.7U
MW-1	5/30/2018	MW-1		<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	66	<2.5U	<2.5U	<2.5U
Duplicate	5/30/2018	MW-1	DUP	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	83	<2.5U	<2.5U	<2.5U
MW-1	5/30/2019	MW-1		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	22	<0.7U	<0.7U	<0.7U
MW-1	7/20/2020	MW-1		<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	44	<0.54U	<0.43U	<0.78U
MW-1	5/27/2021	MW-1		<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	51	<0.54U	<0.43U	<0.78U
12574234-052622-BP-004	5/26/2022	MW-1		<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	12	<2.5 U	<2.5 U	<2.5 U
MW-2R	Baseline	MW-2R		<1U	<1U	<1U	<1U	<1UJ	-	<1U	1.6	<1U	-	-
Duplicate	Baseline	MW-2R	DUP	<1U	<1U	<1U	<1U	<1U	-	<1U	<0.5U	<1U	-	-
MW-2R	5/14/2014	MW-2R		<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	1.6J	<2.5U	<2.5U	<2.5U
MW-2R	6/4/2015	MW-2R		-	<0.5U	<5U	<2.5U	<2.5U	-	-	1.1J	<2.5U	<2.5U	<2.5U
Duplicate	6/4/2015	MW-2R	DUP	-	<0.5U	<5U	<2.5U	<2.5U	-	-	0.99J	<2.5U	<2.5U	<2.5U
MW-2R	5/26/2016	MW-2R		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	<0.7U	<0.7U	<0.7U	<0.7U
MW-2R	5/22/2017	MW-2R		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	0.77J	<0.7U	<0.7U	<0.7U
MW-2R	5/30/2018	MW-2R		<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	<2.5U	<2.5U	<2.5U	<2.5U
MW-2R	5/30/2019	MW-2R		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	7	<0.7U	<0.7U	<0.7U
Duplicate	5/30/2019	MW-2R	DUP	<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	<0.7U	<0.7U	<0.7U	<0.7U
MW-2R	7/20/2020	MW-2R		<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	<0.26U	<0.54U	<0.43U	<0.78U
Duplicate	7/20/2020	MW-2R	DUP	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	<0.26U	<0.54U	<0.43U	<0.78U
MW-2R	5/27/2021	MW-2R		<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	<0.26U	<0.54U	<0.43U	<0.78U
Duplicate	5/27/2021	MW-2R	DUP	<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	<0.26U	<0.54U	<0.43U	<0.78U
12574234-052622-BP-006	5/26/2022	MW-2R		<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
MW-4	Baseline	MW-4		<1U	<1U	<1UJ	<1U	<1U	-	<1U	4	<1U	-	-
MW-4	5/14/2014	MW-4		<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	13	<2.5U	<2.5U	<2.5U
MW-4	6/4/2015	MW-4		-	<0.5U	<5U	<2.5U	<2.5U	-	-	11	<2.5U	<2.5U	<2.5U
MW-4	5/26/2016	MW-4		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	32	<0.7U	<0.7U	<0.7U
MW-4	5/22/2017	MW-4		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	37	<0.7U	<0.7U	<0.7U
MW-4	5/30/2018	MW-4		<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	39	<2.5U	<2.5U	<2.5U
MW-4	5/30/2019	MW-4		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	30	<0.7U	<0.7U	<0.7U
MW-4	7/20/2020	MW-4		<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	31.1	<0.54U	<0.43U	<0.78U
MW-4	5/27/2021	MW-4		<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	29	<0.54U	<0.43U	<0.78U
12574234-052622-DTS-007	5/26/2022	MW-4		<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	33	<2.5 U	<2.5 U	<2.5 U
MW-5	Baseline	MW-5		<1U	<1U	<1UJ	<1U	<1U	-	<1U	16	<1U	-	-
MW-5	5/14/2014	MW-5		<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<20U	9.3	<2.5U	<2.5U	<2.5U
Duplicate	5/14/2014	MW-5	DUP	<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	10	<2.5U	<2.5U	<2.5U
MW-5	6/4/2015	MW-5		-	<0.5U	<5U	<2.5U	<2.5U	-	-	10	<2.5U	<2.5U	<2.5U
MW-5	5/26/2016	MW-5		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	5.8	<0.7U	<0.7U	<0.7U
MW-5	5/22/2017	MW-5		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	7.9	<0.7U	<0.7U	<0.7U
MW-5	5/30/2018	MW-5		<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	12	<2.5U	<2.5U	<2.5U
MW-5	5/30/2019	MW-5		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	<0.7U	<0.7U	<0.7U	<0.7U
MW-5	7/20/2020	MW-5		<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	9.93	<0.54U	<0.43U	<0.78U
MW-5	5/27/2021	MW-5		<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	12	<0.54U	<0.43U	<0.78U
12574234-052622-DTS-005	5/26/2022	MW-5		<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	14	<2.5 U	<2.5 U	<2.5 U
MW-6	Baseline	MW-6		<1U	<1U	<1UJ	1	<1U	-	<1U	16	<1U	-	-
MW-6	5/14/2014	MW-6		<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	14	<2.5U	<2.5U	<2.5U
MW-6	6/4/2015	MW-6		-	<0.5U	<5U	<2.5U	<2.5U	-	-	17	<2.5U	<2.5U	<2.5U
MW-6	5/26/2016	MW-6		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	14	<0.7U	<0.7U	<0.7U
MW-6	5/22/2017	MW-6		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	5	<0.7U	<0.7U	<0.7U
MW-6	5/30/2018	MW-6		<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	22	<2.5U	<2.5U	<2.5U
MW-6	5/30/2019	MW-6		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	17	<0.7U	<0.7U	<0.7U
MW-6	7/20/2020	MW-6		<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	15.5	<0.54U	<0.43U	<0.78U
MW-6	5/27/2021	MW-6		<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	18	<0.54U	<0.43U	<0.78U
12574234-052622-BP-008	5/26/2022	MW-6		<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	29	<2.5 U	<2.5 U	<2.5 U
MW-7	Baseline	MW-7		<1U	<1U	<1U	<1U	<1UJ	-	<1U	<0.5U	<1U	-	-
MW-7	5/14/2014	MW-7		<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	<2.5U	<2.5U	<2.5U	<2.5U
MW-7	6/4/2015	MW-7		-	<0.5U	<5U	<2.5U	<2.5U	-	-	<2.5U	<2.5U	<2.5U	<2.5U
MW-7	5/26/2016	MW-7		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	<0.7U	<0.7U	<0.7U	<0.7U
MW-7	5/22/2017	MW-7		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	<0.7U	<0.7U	<0.7U	<0.7U
MW-7	5/30/2018	MW-7		<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	24	<2.5U	<2.5U	<2.5U
MW-7	5/30/2019	MW-7		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	3.4	<0.7U	<0.7U	<0.7U
MW-7	7/20/2020	MW-7		<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	<0.26U	<0.54U	<0.43U	<0.78U
MW-7	5/27/2021	MW-7		<0.44U	<0.33U	<0.39U	<0.36U	<0.38U	<5.14U	<0.39U	<0.26U	<0.54U	<0.43U	<0.78U
12574234-052522-DTS-002	5/25/2022	MW-7		<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
12574234-052522-DTS-003	5/25/2022	MW-7	DUP	<10 U	<0.50 U	<5.0 U	<2.5 U	<2.5 U	<2.0 U	<10 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
MW-8	Baseline	MW-8		<1U	<1U	<1U	<1U	<1U	-	<1U	<0.5U	<1U	-	-
MW-8	5/14/2014	MW-8		<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	<2.5U	<2.5U	<2.5U	<2.5U
MW-8	6/4/2015	MW-8		-	<0.5U	<5U	<2.5U	<2.5U	-	-	<2.5U	<2.5U	<2.5U	<2.5U
MW-8	5/26/2016	MW-8		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	<0.7U	<0.7U	<0.7U	<0.7U
MW-8	5/22/2017	MW-8		<0.27U	<0.15U	<1U	<0.7U	<0.7U	<0.23U	<0.4U	<0.7U	<0.7U	<0.7U	<0.7U
MW-8	5/30/2018	MW-8		<10U	<0.5U	<5U	<2.5U	<2.5U	<2U	<10U	<2.5U	<2.5U	<2.5U	<2.5U
MW-8	5/30/2019	MW-8		<0.27U	<0.15									



Table 3
Summary of Ground Water Sample Laboratory Analytical Results

			Method Name	VOCs							
			Analyte	Styrene	Tetrachloroethene	Toluene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl chloride
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			TOGS 1.1.1	5	5	5	5	0.4	5	5	2
Sample ID	Date Sampled	Well ID	Sample Type								
MW-1		MW-1		<1U	<1U	<1U	<1U	<1U	<1UJ	<1U	0.4
MW-1	5/14/2014	MW-1		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	0.17J	<2.5U	5.8
MW-1	6/4/2015	MW-1		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	24
MW-1	5/26/2016	MW-1		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	9.9
Duplicate	5/26/2016	MW-1	DUP	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	6.8
MW-1	5/22/2017	MW-1		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	92
Duplicate	5/22/2017	MW-1	DUP	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	100
MW-1	5/30/2018	MW-1		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	53
Duplicate	5/30/2018	MW-1	DUP	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	37
MW-1	5/30/2019	MW-1		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	61
MW-1	7/20/2020	MW-1		<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	9.44
MW-1	5/27/2021	MW-1		<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	22
12574234-052622-BP-004	5/26/2022	MW-1		<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	7.3
MW-2R	Baseline	MW-2R		<1U	<1U	<1U	<1U	<1U	<1UJ	<1U	4.7
Duplicate	Baseline	MW-2R	DUP	<1U	<1U	<1U	<1U	<1U	<1UJ	<1U	6.2
MW-2R	5/14/2014	MW-2R		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-2R	6/4/2015	MW-2R		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	3.4
Duplicate	6/4/2015	MW-2R	DUP	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	3.5
MW-2R	5/26/2016	MW-2R		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	2.5
MW-2R	5/22/2017	MW-2R		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	0.98J
MW-2R	5/30/2018	MW-2R		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	0.87J
MW-2R	5/30/2019	MW-2R		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
Duplicate	5/30/2019	MW-2R	DUP	<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	0.55J
MW-2R	7/20/2020	MW-2R		<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
Duplicate	7/20/2020	MW-2R	DUP	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
MW-2R	5/27/2021	MW-2R		<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
Duplicate	5/27/2021	MW-2R	DUP	<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
12574234-052622-BP-006	5/26/2022	MW-2R		<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	0.36 J
MW-4	Baseline	MW-4		<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U
MW-4	5/14/2014	MW-4		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-4	6/4/2015	MW-4		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-4	5/26/2016	MW-4		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-4	5/22/2017	MW-4		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-4	5/30/2018	MW-4		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-4	5/30/2019	MW-4		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-4	7/20/2020	MW-4		<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
MW-4	5/27/2021	MW-4		<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
12574234-052622-DTS-007	5/26/2022	MW-4		<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U
MW-5	Baseline	MW-5		<1U	<1U	<1U	<1U	<1U	<1U	<1U	<1U
MW-5	5/14/2014	MW-5		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
Duplicate	5/14/2014	MW-5	DUP	<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-5	6/4/2015	MW-5		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-5	5/26/2016	MW-5		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-5	5/22/2017	MW-5		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-5	5/30/2018	MW-5		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-5	5/30/2019	MW-5		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	0.63J
MW-5	7/20/2020	MW-5		<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
MW-5	5/27/2021	MW-5		<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
12574234-052622-DTS-005	5/26/2022	MW-5		<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U
MW-6	Baseline	MW-6		<1U	<1U	4.4	<1U	<1U	<1U	<1U	<1U
MW-6	5/14/2014	MW-6		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-6	6/4/2015	MW-6		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-6	5/26/2016	MW-6		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-6	5/22/2017	MW-6		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-6	5/30/2018	MW-6		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-6	5/30/2019	MW-6		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-6	7/20/2020	MW-6		<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
MW-6	5/27/2021	MW-6		<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
12574234-052622-BP-008	5/26/2022	MW-6		<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U
MW-7	Baseline	MW-7		<1U	<1U	<1U	<1U	<1U	1.4J	<1U	2.7
MW-7	5/14/2014	MW-7		<2.5U	2.2	<2.5U	<2.5U	<0.5U	9.1	<2.5U	5.5
MW-7	6/4/2015	MW-7		<2.5U	0.52	<2.5U	0.78J	<0.5U	2.2	<2.5U	5.6
MW-7	5/26/2016	MW-7		<0.7U	1.8	<0.7U	<0.7U	<0.16U	4.8	<0.7U	12
MW-7	5/22/2017	MW-7		<0.7U	11	<0.7U	<0.7U	<0.16U	20	<0.7U	8
MW-7	5/30/2018	MW-7		<2.5U	5.2	<2.5U	<2.5U	<0.5U	14	<2.5U	5.6
MW-7	5/30/2019	MW-7		<0.7U	0.86	<0.7U	<0.7U	<0.16U	3.2	<0.7U	3.6
MW-7	7/20/2020	MW-7		<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	0.55J	<0.23U	<0.26U
MW-7	5/27/2021	MW-7		<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	0.68	<0.23U	<0.26U
12574234-052522-DTS-002	5/25/2022	MW-7		<2.5 U	0.24 J	<2.5 U	<2.5 U	<0.50 U	2.0	<2.5 U	1.6
12574234-052522-DTS-003	5/25/2022	MW-7	DUP	<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	1.6	<2.5 U	1.9
MW-8	Baseline	MW-8		<1U	<1U	<1U	<1U	<1U	<1UJ	<1U	<1U
MW-8	5/14/2014	MW-8		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-8	6/4/2015	MW-8		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-8	5/26/2016	MW-8		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-8	5/22/2017	MW-8		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-8	5/30/2018	MW-8		<2.5U	<0.5U	<2.5U	<2.5U	<0.5U	<0.5U	<2.5U	<1U
MW-8	5/30/2019	MW-8		<0.7U	<0.18U	<0.7U	<0.7U	<0.16U	<0.18U	<0.7U	<0.07U
MW-8	7/20/2020	MW-8		<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
MW-8	5/27/2021	MW-8		<0.42U	<0.36U	<0.28U	<0.19U	<0.37U	<0.36U	<0.23U	<0.26U
12574234-052522-DTS-001	5/25/2022	MW-8		<2.5 U	<0.50 U	<2.5 U	<2.5 U	<0.50 U	<0.50 U	<2.5 U	<1.0 U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Appendices

Appendix A

Annual Site-Wide Inspection Form

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITENUMBER C224133

NAME OF INSPECTOR: __Damian Vanetti__

COMPANY OF INSPECTOR: GHD Consulting Services, Inc.

DATE OF INSPECTION: 11-16-2022

CURRENT USE OF THE SITE: Parking lot

HAS A CHANGE OF LAND-USE OCCURRED SINCE THE LAST INSPECTION?

__ YES X NO

IF YES, EXPLAIN HOW THE SITE HAS CHANGED: _____

IS THERE EVIDENCE OF LAND-USE OTHER THAN FOR INDUSTRIAL SINCE THE LAST INSPECTION?

__ YES X NO

IF YES, EXPLAIN THE NON-INDUSTRIAL LAND USE: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? __ YES X NO

IF YES, EXPLAIN HOW THE SITE HAS CHANGED: _____

GENERAL DESCRIPTION OF THE COVER: _____

The site is primarily covered with asphalt pavement. Around the south and east perimeter is stone riprap, vegetated soil cover or retaining walls. Several landscape areas exist with vegetated soil covers including around the south and east perimeter of the pavement, the southeast corner and the southwest corner.

HAS THE COVER BEEN COMPROMISED? __ YES X .NO

IF YES, EXPLAIN HOW THE COVER HAS CHANGED: _____

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITENUMBER C224133

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?

☐ YES ☒ NO

IF YES, EXPLAIN HOW THE SITE COVER CONDITIONS CHANGED: _____

The asphalt pavement surface cracks have been sealed. Woody growth around the perimeter has been cut and is beginning to regrow

IS ANY MAINTENANCE OF THE COVER REQUIRED?

☐ YES ☒ NO

IF YES, EXPLAIN WHAT MAINTAINENCE IS REQUIRED: _____

ARE SIGNIFICANT EROSION RILLS OR CRACKING PRESENT?

☐ YES ☒ NO

IF YES, EXPLAIN WHERE EROSION RILLS OR CRACKING ARE PRESENT: _____

IS PONDING PRESENT?

☐ YES ☒ NO

IF YES, EXPLAIN WHERE PONDING IS PRESENT AND THE ASSOCIATED DEPTH:

Only minor ponding on pavement surface following storm event

IS ANY SOIL WASTE MATERIAL EXPOSED?

☐ YES ☒ NO

IF YES, EXPLAIN WHERE SOIL WASTE MATERIAL ARE EXPOSED:

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITENUMBER C224133

IS THERE A VISABLE CHANGE IN THE DESIGNATED DRAINAGE PATTERN?

☐ YES ☒ NO

IF YES, EXPLAIN WHERE THE VISABLE CHANGE IN THE DESIGNATED DRAINAGE PATTERN ARE LOCATED: _____

IS SETTLEMENT OR SUBSIDNCE VISIBLE?

☐ YES ☒ NO

IF YES, EXPLAIN WHERE SETTLEMENT OR SUBSIDNCE VISIBLE IS LOCATED:

ARE SIGNIFICANT EROSION RILLS OR CRACKING PRESENT?

☐ YES ☒ NO

IF YES, EXPLAIN WHERE EROSION RILLS OR CRACKING ARE PRESENT: _____

There is some minor surface cracking of the asphalt pavement. The majority of surface cracks were sealed earlier in the year.

ARE ALL GROUNDWATER MONITORING WELLS MAINTAINED PROPERLY AND IN GOOD PHYSICAL CONDITION?

☒ YES ☐ NO

IF NO, EXPLAIN HOW THE GROUNDWATER MONITORING WELLS HAVE BEEN COMPROMISED:

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITENUMBER C224133

IS THERE ANY EVIDENCE THAT GROUNDWATER IS BEING USED FOR ANY PURPOSE?

 YES X NO

IF YES, EXPLAIN HOW GROUNDWATER IS BEING USED:

ADDITIONAL OBSERVATIONS, CONCLUSIONS, OR RECOMMENDATIONS:

The woody growth around the south and east side perimeter of and outside the fence should be periodically cleared (i.e. at least biennially)

The southeast corner of the site retaining wall has been repaired and is functioning as intended. The concrete barrier blocks were reset and secured. This area should be inspected annually to review if any changes to the stability of the cover.
All the monitoring wells were observed to have the covers in place and bolted down.

ANY CHANGES TO THE SITE OR REQUIRED MAINTENANCE SHOULD BE MARKED IN THE CORRESPONDING LOCATIONS ON AN ATTACHED MAP

Appendix B

NYSDEC EQuIS Approval

Ian McNamara

From: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Sent: Friday, November 11, 2022 12:01 PM
To: Ian McNamara
Cc: Post, Charles H (DEC)
Subject: RE: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2022 Groundwater Monitoring EQulS Submittal

CompleteRepository: 12574234
Description: Morgan Avenue Brooklyn BCP Site
JobNo: 12574234
OperatingCentre: 5642
RepoEmail: 12574234@ghd.com
RepoType: Project

Ian,

Thank you for your EDD submission. NYSDEC has successfully uploaded the data from the EDDs "20220921 0938.C224133.NYSDEC_MERGE" and "20220921 1246.C224133.NYSDEC_MERGE" to Frito Lay in the NYSDEC EQulS database and the data is available for use within the system.

Aaron
NYSDEC EIMS Team



**Department of
Environmental
Conservation**

From: Ian McNamara <Ian.McNamara@ghd.com>
Sent: Wednesday, September 21, 2022 1:00 PM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: Post, Charles H (DEC) <charles.post@dec.ny.gov>
Subject: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2022 Groundwater Monitoring EQulS Submittal

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Hello,

Attached are 2 EDDs for the 2022 annual sampling event completed at the above referenced site in May. One contains field parameters and water levels and one contains laboratory analytical results.
Please let me know if edits are needed for a successful upload.

Thank you,
Ian

Ian McNamara (he/him)

**Senior Project Manager – Environment
Northeast Quality & Project Delivery Lead**

GHD

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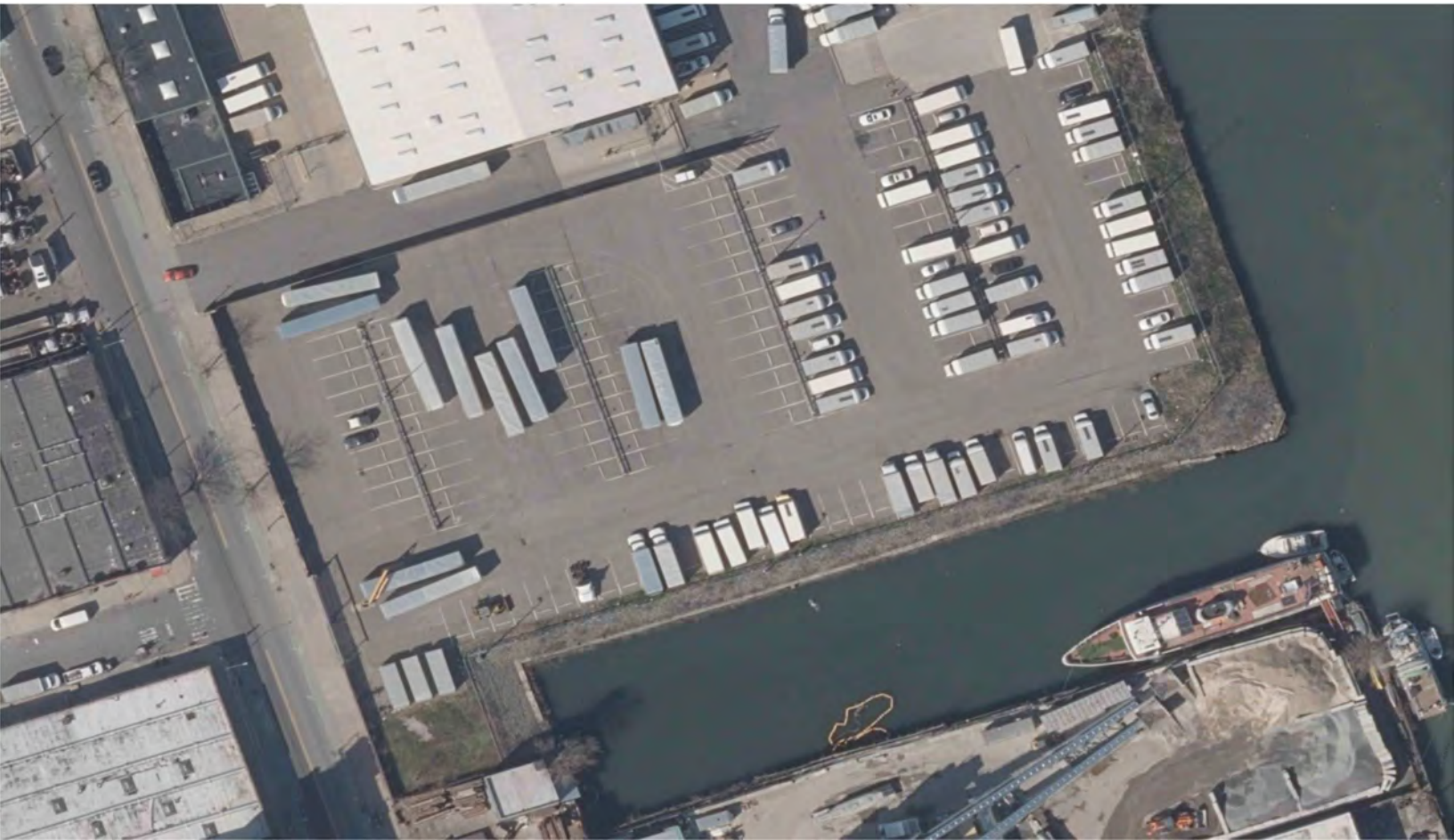
Periodic Review Report

**202-218 Morgan Avenue BCP Site
(#C224133) – November 22, 2022 to
November 22, 2023 Reporting Period**

Rolling Frito-Lay Sales, LP

February 21, 2024

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



Site No. C224133

Site Details

Box 1

Site Name Frito Lay

Site Address: 202-218 Morgan Avenue **Zip Code:** 11237
City/Town: Brooklyn
County: Kings
Site Acreage: 2.8

Reporting Period: November 22, 2022 to November 22, 2023

- | | YES | NO |
|--|-------------------------------------|-------------------------------------|
| 1. Is the information above correct? | ☒ | ☐ |
| 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? | ☐ | ☒ |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | ☐ | ☒ |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | ☐ | ☒ |
| 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? | ☐ | ☒ |

Box 2

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

**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

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

☐ ☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

☒ ☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C224133**Box 3****Description of Institutional Controls**

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
3-02942-0105	Rolling Frito Lay Sales, LP	Soil Management Plan Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan
A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP). The ICs are: Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns; All ECs must be operated and maintained as specified in the SMP; All ECs must be inspected at a frequency and in a manner defined in the SMP. Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP; Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP; All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP; Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are: The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed. The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC; All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP; The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use; The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;		

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0111

Rolling Frito Lay Sales, LP

Soil Management Plan
Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3-02942-0112

Rolling Frito Lay Sales, LP

Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan
Soil Management Plan

A series of ICs is required by the NYSDEC Decision Document dated July 2011 to: (1) implement, maintain and monitor engineering control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Frito-Lay site to industrial uses only. Adherence to these institutional controls (ICs) on the Frito-Lay site is required by the Environmental Easement and will be implemented under the Site Management Plan (SMP).

The ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;

All ECs must be operated and maintained as specified in the SMP;

All ECs must be inspected at a frequency and in a manner defined in the SMP.

Groundwater monitored natural attenuation sampling and analysis, soil vapor intrusion study, and other environmental or public health monitoring must be performed as defined in the SMP;

Data and information pertinent to Site Management of the site must be reported at the frequency and in a manner defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; and

Operation, monitoring, maintenance, inspection and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

The property may only be used for industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and commercial use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

The potential for vapor intrusion must be evaluated for any buildings developed on the area noted on Figure 2-3 of the SMP and any potential impacts that are identified must be monitored or mitigated;

Vegetable gardens and farming on the property are prohibited; and,

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Box 4

Description of Engineering Controls

Parcel

3-02942-0105

Engineering Control

Vapor Mitigation

Cover System

Subsurface Barriers

Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to

Parcel**Engineering Control**

discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0111

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

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Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3-02942-0112

Vapor Mitigation
Cover System
Subsurface Barriers
Fencing/Access Control

Asphalt (Engineered) and Soil Cover Systems:

Exposure to remaining contamination in soil at the Frito-Lay site is prevented by an asphalt and soil cover system placed over the site. This cover system is comprised of a minimum of 6 inches of asphalt pavement, with the exception along the bulkhead area where a soil cover system consists of a minimum of 1-foot of clean soil/fill able to support a vegetative cover.

Chain Linked Fence:

The site is enclosed by a "newly" constructed 10-foot high chain linked fence installed on the eastern, western, and southern sides which prevents unauthorized access. Access to the northern section of the site is available through the Frito-Lay facility.

Composite Cover System:

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

Sub-Slab Depressurization System (SSDS):

The active SSD system, when it is constructed and operational, will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Monitored Natural Attenuation:

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards

Parcel

Engineering Control

or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

☒ ☐

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

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

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

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

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

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

YES NO

☒ ☐

**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. C224133

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 Keith Massa at 7701 Legacy Drive, Plano, TX 75024-4099
print name print business address

am certifying as Owner (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

2-20-24
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I Damian J. Vanetti at GHD Consulting Services Inc.
5788 Widewaters Parkway, Syracuse, NY 13214
print name print business address

am certifying as a Professional Engineer for the Owner
(Owner or Remedial Party)



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

Stamp
(Required for PE)

2-20-2024

Date

Executive Summary

The 202-218 Morgan Avenue Brownfield Cleanup Program (BCP) Site (BCP Site #224133) consists of approximately 2.85-acres of land located at 202-218 Morgan Avenue, Borough of Brooklyn, Kings County, New York. The Site is currently owned by Rolling Frito-Lay Sales, LP (Frito-Lay). The Site soil and groundwater were historically found to be contaminated with metals, polychlorinated biphenyls (PCBs), semi-volatile organic compounds (SVOCs), and volatile organic compounds (VOCs). Following remedial actions on-Site, contaminant concentrations were reduced to meet Industrial-Use soil cleanup objectives (SCOs). Currently soil vapors retain concentrations of VOCs, which would require further investigation and potential employment of engineering controls should any buildings be constructed on the Site. The Site received a Certificate of Completion (COC) from the New York State Department of Environmental Conservation (NYSDEC) on November 6, 2013 following completion of remedial measures and installation of engineering controls.

The Site currently undergoes post-remediation monitoring that includes annual Site inspections and groundwater monitoring. Groundwater monitoring is conducted on both on-Site and off-Site wells. No distinct trends have been observed in detectable parameters across the Site since monitoring began. Fluctuations in concentrations of some parameters may be influenced by the adjacent English Kills and/or upgradient groundwater sources. Currently, the concentrations of detected compounds do not require further action.

Based on the November 14, 2023 site inspection, the institutional controls and engineering controls for the Site remain in place and effective for protecting human health and the environment. Annual groundwater monitoring has been completed in accordance with the Site Management Plan (SMP). No new buildings have been constructed on-Site and the existing warehouse on the adjacent property to the north has not been expanded. As a result, there is no requirement for a sub-slab depressurization system (SSDS) engineering control. The institutional and engineering controls certification form, as issued by the Department, has been completed and is included as Attachment 1 at the beginning of this report.

Revisions to the SMP were completed to reflect changes in Frito-Lay contacts and to update the format to the current NYSDEC template. There is no need to propose a change to the frequency of Periodic Review Report submittals at this time. Groundwater monitoring and Site inspections will continue to be performed on an annual basis in accordance with the SMP. If buildings are constructed in the future, they will be evaluated to determine if mitigation of soil vapor intrusion is necessary. The requirements necessary to discontinue Site monitoring and Site Engineering and Institutional Controls have not been met at this time.

This report is subject to, and must be read in conjunction with, the limitations set out in the report and the assumptions and qualifications contained throughout the report.

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Appendix A	Annual Site-Wide Inspection Form
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1. Introduction

1.1 Purpose of this Report

This Periodic Review Report (PRR) is being submitted on behalf of Rolling Frito-Lay Sales, LP (Frito-Lay) for the 202-218 Morgan Avenue Brownfield Cleanup Program (BCP) Site (BCP Site No. C224133) located at 202-218 Morgan Avenue, Borough of Brooklyn, Kings County, New York (Figure 1). The purpose of this PRR and attached documents is to document that institutional and engineering controls, as described in the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP) and Environmental Easement (EE), are in place in accordance with 6NYCRR Part 375-3. The following elements are included in this report:

- A complete description of all institutional and/or engineering controls employed at the Site.
- An evaluation of the plans developed for implementation of the engineering and institutional controls, regarding the continued effectiveness of any institutional and/or engineering controls required by the decision document for the Site.
- A certification prepared by a professional engineer or qualified environmental professional that the institutional controls and/or engineering controls employed at the Site during the period are:
 - Unchanged from the previous certification, unless approved by the Department, consistent with the SMP
 - In place and effective
 - Performing as designed, and that nothing has occurred that would (1) impair the ability of the controls to protect public health and the environment, or (2) constitute a violation or failure to comply with any operation and maintenance plan for such controls
- The institutional and engineering controls certification form as issued by the Department has been completed and included at the beginning of this report.
- Data tables and figures depicting results of annual groundwater monitoring activities conducted on- and off-Site.

1.2 Certification Period

NYSDEC requested that this PRR cover the period between November 22, 2022 and November 22, 2023. During this period, Frito-Lay performed periodic inspections of the soil cover engineering control on-Site. GHD Consulting Services Inc. (GHD) personnel performed annual groundwater monitoring and an annual visual inspection of engineering controls on-Site in order to prepare this PRR.

1.3 Scope and Limitations

This report has been prepared by GHD for Rolling Frito-Lay Sales, LP and may only be used and relied on by Rolling Frito-Lay Sales, LP for the purpose agreed between GHD and Rolling Frito-Lay Sales, LP as set out in this report.

GHD otherwise disclaims responsibility to any person other than Rolling Frito-Lay Sales, LP arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions, and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions, and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

The opinions, conclusions, and any recommendations in this report are based on information obtained from, and testing undertaken at or in connection with, specific sample points. Site conditions at other parts of the Site may be different from the Site conditions found at the specific sample points.

Investigations undertaken in respect of this report are constrained by the particular Site conditions, such as the location of buildings, services and vegetation. As a result, not all relevant Site features and conditions may have been identified in this report.

Site conditions (including the presence of hazardous substances and/or Site contamination) may change after the date of this Report. GHD does not accept responsibility arising from, or in connection with, any change to the Site conditions. GHD is also not responsible for updating this report if the Site conditions change.

GHD has prepared this report on the basis of information provided by Rolling Frito-Lay Sales, LP and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

2. Site Overview

The Site is in the Borough of Brooklyn, Kings County, New York and is identified as Block 2942 and Lots 105, 111, and 112 on the NYSDEC Institutional and Engineering Controls Certification Form. Information obtained from the New York City Finance Department Online Tax Maps identifies the Site as Block 2942 and Lot 105, with no matching records for Lots 111 and 112. The Site consists of 2.85 acres of property owned by Frito-Lay, which has been entered into the BCP. The Site is bound by an adjacent parcel to the north also owned by Frito-Lay that is used for distribution activities; English Kills to the east; the English Kills basin, and an adjacent industrial parcel to the south; and Morgan Avenue to the west with commercial and industrial properties farther west (see Figure 2).

The Site is currently developed with an asphalt pavement parking area used for parking Frito-Lay delivery vehicles and employee vehicles. The portion of the Site not occupied by asphalt pavement consists of minor grass-covered landscaping areas and rip-rap adjacent to English Kills and the English Kills basin.

The Remedial Investigation (RI), which was conducted under Brownfield Cleanup Agreement (BCA) Index #A2-0622-0709 during 2009 and 2010, characterized the nature and extent of contamination at the Site. The results of the RI, as reported in the *Revised Remedial Investigation Report* (Gannett Fleming, P.C., July 2010) and the *Supplemental Remedial Investigation and Second Supplemental Remedial Investigation Report* (Gannett Fleming, P.C., April 2011) determined that contaminants of concern (COCs) were present in Site soil, groundwater, and soil vapor. It was determined that Site surface and subsurface soils contained arsenic, lead, mercury, polychlorinated biphenyls (PCBs), and semi-volatile organic compounds (SVOCs) at concentrations that exceeded the Unrestricted Use Soil Cleanup Objectives (SCOs). Analytical results of Site groundwater samples identified arsenic, lead, and volatile organic compounds (VOCs) at concentrations that exceeded the Technical and Operational Guidance Series (TOGS) Class GA groundwater standards or guidance values. VOCs were also detected in Site soil vapor samples.

A Remedial Work Plan (RWP) was prepared by Gannett Fleming, P.C. (August 2011). The remedial goals for the Site included:

- Removing or eliminating significant threats to human health and the environment.
- Protecting human health and the environment during the contemplated future use of the Site, which was identified as industrial in accordance with the BCA and DER-10.

The proposed remedial approach was to remediate the Site to a Track 4 Restricted Use by meeting the Industrial Use SCOs. This remediation approach included excavation of soil/fill exceeding Site-specific remedial action objectives (RAOs), excavation of soil/fill exceeding the Industrial Use SCOs, and implementation of engineering/institutional controls. Remedial activities were completed at the Site in February 2013. Soil/fill excavation included:

- The removal of approximately 16,513 tons of hazardous PCB soil (PCB concentrations in excess of 50 mg/kg).
- The removal of approximately 4,096 tons of non-hazardous PCB soil (PCB concentrations in excess of 10 mg/kg or 25 mg/kg, depending on the excavation area).
- The removal of approximately 619 tons of arsenic, lead, and mercury contaminated soil with concentrations exceeding the Protection of Groundwater and/or Industrial Use SCOs.
- The placement of imported clean fill material back into the excavation areas.

Excavated soil/fill was transported for off-Site disposal. The PCB excavated soils that were identified as hazardous were reportedly managed in accordance with TSCA regulations.

The selected remedy for groundwater remediation was natural attenuation, based on the presence of VOC daughter products in several on-Site groundwater monitoring wells, which suggests that degradation is occurring and can be expected to continue over time. Also, sensitive receptors were not identified downgradient of the Site, and the Site and surrounding area is serviced by a municipal water supply system.

The engineering controls for the Site consist of maintaining the soil cover system and requiring the installation of a sub-slab depressurization system (SSDS) in any new buildings constructed on-Site, or in future expansions added to the Frito-Lay warehouse located on the adjoining property to the north. The institutional controls include a Site groundwater use restriction, a Site use restriction restricting the use to industrial uses, and the requirement that a SSDS will be installed in any future buildings constructed on-Site or if the warehouse to the north is expanded.

An Environmental Easement (EE) for the Site was filed with the Kings County Clerk's Office on September 20, 2013. A Site Management Plan, which outlines Site restrictions and requirements of future maintenance and monitoring, was completed in September 2013. A Certificate of Completion allowing for industrial uses of the Site was received from the NYSDEC on November 6, 2013.

The reader of this PRR may refer to previous reports for more detail, as needed. These reports include:

- Subsurface Investigation, Gannett Fleming, P.C., 2003.
- Phase I Environmental Site Assessment, Gannett Fleming, P.C., 2006.
- Surface Pile Characterization Work Plan, Gannett Fleming, P.C., 2007.
- Phase II Environmental Site Assessment, Gannett Fleming, P.C., 2007.
- Remedial Investigation, Gannett Fleming, P.C., 2009.
- Supplemental Remedial Investigation, Gannett Fleming, P.C., 2010.
- Second Supplemental Remedial Investigation, Gannett Fleming, P.C., 2011.
- Remedial Work Plan, Gannett Fleming, P.C., 2011.
- Site Management Plan, Frito-Lay, Brooklyn, New York, NYSDEC Site Number: C224133, Gannett Fleming Engineers, P.C., September 2013.
- Final Engineering Report, Frito-Lay, Brooklyn, Kings County, New York, NYSDEC Site Number: C224133, Gannett Fleming Engineers, P.C., October 2013.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2017 – November 22, 2018, GHD Consulting Services Inc., January 7, 2019.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Post-Remediation Groundwater Monitoring – 2018 PCB Re-Sample, GHD Consulting Services Inc., March 7, 2019.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2018 – November 22, 2019, GHD Consulting Services Inc., January 15, 2020.

- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2019 – November 22, 2020, GHD Consulting Services Inc., January 18, 2021.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2020 – November 22, 2021, GHD Consulting Services Inc., January 5, 2022.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – Periodic Review Report, November 22, 2021 – November 22, 2022, GHD Consulting Services Inc., January 17, 2023.
- 202-218 Morgan Avenue BCP Site (BCP Site #C224133) – 2023 Annual Post-Remediation Groundwater Monitoring, GHD Consulting Services Inc., October 11, 2023.

3. Institutional and Engineering Controls

Based on identified soil, groundwater, and soil vapor contamination, and the Site's past and present use, institutional and engineering controls are utilized at the Site to limit exposure risks. These institutional and engineering controls are described in the NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013) and summarized below. During the previous PRR period, the contacts for Frito-Lay changed and the NYSDEC requested that the SMP be updated to include the new contacts. The revised SMP was submitted to NYSDEC in December 2023 and is currently under review.

3.1 Institutional Controls

The institutional controls (ICs) for this Site are outlined in the SMP and adherence to these ICs is required by the EE. The ICs for the Site include the following:

- The property may only be used for industrial uses provided that the long-term engineering and institutional controls included in the NYSDEC-approved SMP are employed.
- The property may not be used for a higher level of use, such as, unrestricted, residential, restricted residential, and/or commercial use without additional remediation and amendment of the EE, as approved by the NYSDEC.
- All future activities on the property that will disturb remaining contamination must be conducted in accordance with the NYSDEC-approved SMP.
- The use of groundwater underlying the property is prohibited without treatment rendering it safe for intended use and prior approval by NYSDEC.
- The potential for soil vapor intrusion must be evaluated for any buildings developed on the Site, or expansions added to the existing Frito-Lay warehouse to the north, and any potential impacts that are identified must be monitored and/or mitigated.
- Vegetable gardens and farming on the property are prohibited.
- The Site owner or remedial party will submit to the NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and (2) nothing has occurred that impairs the ability of the controls to protect public health and the environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such property any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3.1.1 Site Use

The Site use has not changed since the NYSDEC issued the Certificate of Completion and is currently used for parking of Frito-Lay company/delivery and employee vehicles.

3.1.2 Groundwater

Groundwater is not being used at the Site.

Monitored natural attenuation groundwater monitoring was conducted (May 11, 2023) as outlined in the NYSDEC-approved SMP during this PRR reporting period. Laboratory analytical results were tabulated and submitted to the NYSDEC (GHD, October 11, 2023) and to the NYSDEC's EQUIS Database (submitted October 11, 2023 and uploaded November 1, 2023).

Results of groundwater monitoring did not warrant revision of the monitoring schedule or analytical list.

During the annual Site inspection, a new United States Environmental Protection Agency (USEPA) monitoring well was observed to have been installed at the southeast corner of the Site.

3.1.3 Excavations

No excavations occurred on-Site during this PRR's certification period.

3.2 Engineering Controls

The engineering controls (ECs) for this Site are outlined in the NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013), and are described in the following sections.

3.2.1 Asphalt and Soil (Engineered) Cover Systems

Direct contact with soil/fill at the Site is mitigated by an engineered cover system in place over the entirety of the Site. This cover system is comprised of a minimum of 6 inches of asphalt pavement or a minimum of 1-foot of clean soil/fill, consisting of maintained landscape areas or rip-rap. The location of the cover system is depicted in Figure 3.

The cover system was in place for the duration of this certification period and no maintenance was required to amend the cover system at the time of the annual Site inspection (November 14, 2023). It is recommended the woody growth present at the southern and eastern perimeters both inside and outside of the fence be cleared periodically as needed and at a minimum, biennially. In addition, an annual inspection of the southeast corner retaining wall and the concrete blocks should be completed to ensure their stability. At the time of the annual inspection, the cover system was in place and functioning as intended.

Additional information can be found in the Institutional and Engineering Controls Certification Form (beginning of this report) and the Annual Inspection Form (Appendix A).

3.2.2 Chain Linked Fence

To prevent unauthorized access to the Site, a 10-foot-high chain linked fence was installed along the eastern, western, and southern boundaries. Access to the Site from the northern boundary is controlled by the adjacent property, which is also owned by Frito-Lay.

The chain linked fence was in good condition at the time of the annual Site inspection (November 14, 2023) and appeared to be effective in controlling unauthorized access to the Site.

3.2.3 Sub-Slab Depressurization System

A SSDS will be required to be installed in any new buildings constructed on the Site or if the Frito-Lay owned warehouse on the adjacent property to the north is expanded or renovated.

At the time of the annual Site inspection (November 14, 2023) no new buildings had been constructed on the Site, and the adjacent warehouse to the north had not been expanded. Therefore, no SSDS is required at this time.

4. Operations and Monitoring

The NYSDEC-approved SMP (Gannett Fleming Engineers, P.C., September 2013) requires annual groundwater monitoring and reporting. The annual monitoring is intended to assess the performance of the remedy and overall reduction in contamination on-Site. The annual groundwater monitoring was completed in accordance with the SMP on May 11, 2023 (Figures 4, 5, 6, and 7 and Tables 1, 2, and 3). The laboratory sample results were transmitted to the NYSDEC in the Annual Post-Remediation Groundwater Monitoring letter report (GHD, October 11, 2023) and were also successfully uploaded into the NYSDEC's EQulS Database on November 1, 2023 (Appendix B). Table 3 summarizes laboratory analytical results of groundwater samples taken since remediation was completed at the Site. The groundwater results are compared to Class GA groundwater quality standards or guidance values from the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1, June 1998 and subsequent addenda).

Overall, the number of contaminants detected above groundwater standards are limited as noted in the tables and figures. In general, since post-remediation baseline samples were taken, concentrations of analytes detected in Site groundwater samples have remained generally stable with some variability over time, with no consistent Site-wide trends recognizable at this time. Off-Site groundwater monitoring well MW-7 historically appeared to have a generally increasing trend in concentrations of chlorinated VOCs, with concentrations of trichloroethene (TCE), cis-1,2-dichloroethene (DCE), and vinyl chloride having historically been detected at concentrations above groundwater standards in samples collected from MW-7. More recent monitoring events have identified decreasing trends in concentrations of these analytes; however, during the 2023 monitoring event, DCE and TCE increased from 2022 and were the only VOCs detected above Class GA standards in the sample collected from MW-7. In addition, the concentrations of barium in off-Site groundwater monitoring well MW-8 historically appeared to have a slightly increasing trend; however, more recent monitoring events indicate a decreasing trend and concentrations have been below Class GA standards since the isolated exceedance identified during the May 2017 monitoring event. The detected contaminants in MW-7 and MW-8 are likely related to an off-Site source as these monitoring wells are upgradient of the Site and the contaminants detected are at higher concentrations than detected in samples taken from monitoring wells located on the Site. There were no detections of PCBs in the May 2023 sampling event. Data will continue to be evaluated for discernible trends, if any, as more data becomes available.

It is noted that the Site groundwater quality could be influenced by the tidal water dynamics and the brackish condition of the adjacent English Kills for certain compounds.

Based on the groundwater data received to date, the qualitative exposure assessment assumptions regarding on-Site and off-Site contamination have not changed and are still valid. As future groundwater monitoring events occur, the data will be reviewed to determine if any compound-specific or Site-wide trends (decreasing or increasing) can be identified.

5. Recommendations

Based on a review of the annual groundwater data, it is recommended that the ICs and ECs currently in place for the Site remain in place in order to ensure the continued effectiveness and protectiveness of the remedy. The trends in groundwater quality associated with off-Site monitoring wells MW-7 and MW-8 should continue to be assessed for potential impacts to Site groundwater quality. Groundwater monitoring should continue to be conducted on an annual basis, as identified in the SMP. The groundwater monitoring results should be reviewed following the May 2024 monitoring event, and recommendations to alter future monitoring requirements, if any, should be reviewed with the NYSDEC.

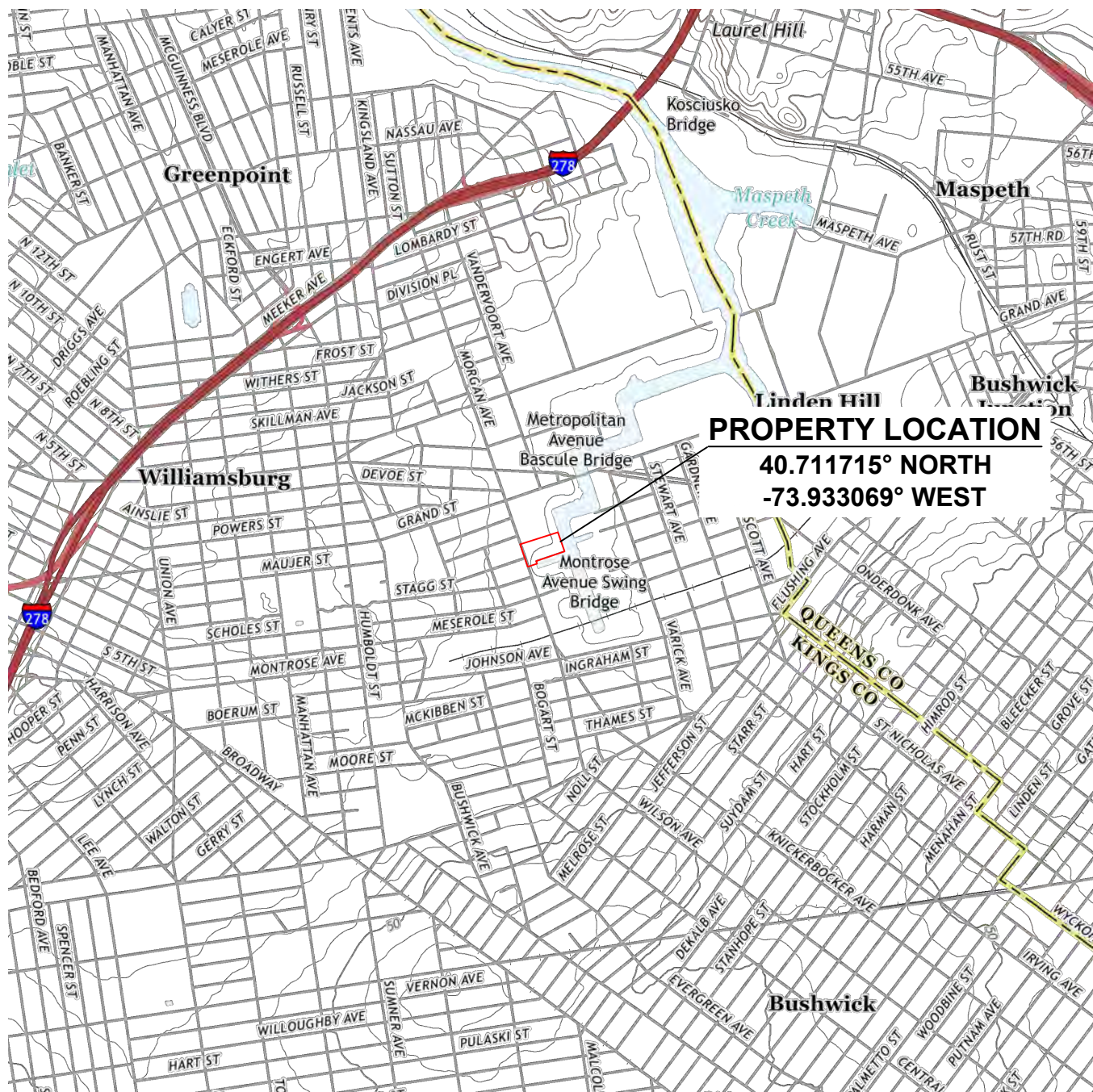
Based on the 2023 annual inspection observations, the following items were noted:

1. The woody growth along the perimeter rip-rap should be periodically removed to control potential impacts to the cover system.
2. A new USEPA monitoring well has been installed in the southeast corner of the Site.

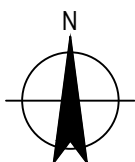
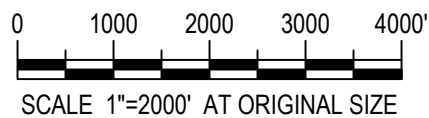
The annual Site inspections should be continued to ensure that the Site use has not changed, and the engineering controls are in place and functioning as intended.

The effectiveness of the remedy should continue to be evaluated based on the groundwater monitoring analytical results and inspections of the engineering controls.

Figures



CONTOUR INTERVAL: 10 FEET
 MAP TAKEN FROM: USGS 7.5 MINUTE SERIES
 TOPOGRAPHIC QUADRANGLE:
 BROOKLYN, NY (2019)
 (U.S. GEOLOGICAL SURVEY WEBSITE)



Rolling Frito-Lay Sales, LP
 202-218 Morgan Avenue BCP Site
 Brooklyn, NY (BCP Site #C224133)

Project No. 12574234
 Date 6.12.2023

SITE LOCATION MAP

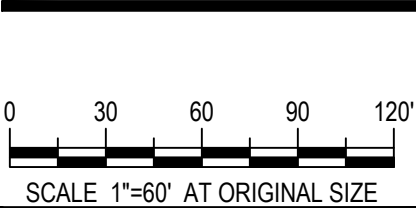
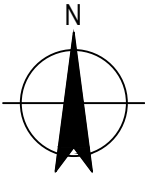
FIGURE 1



LEGEND:

◆ MW-1 Groundwater Monitoring Well Location and ID

- NOTES:
- 1. Aerial photograph is a 2020 6-inch resolution, true color image taken from the NYS GIS Clearinghouse website
 - 2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.

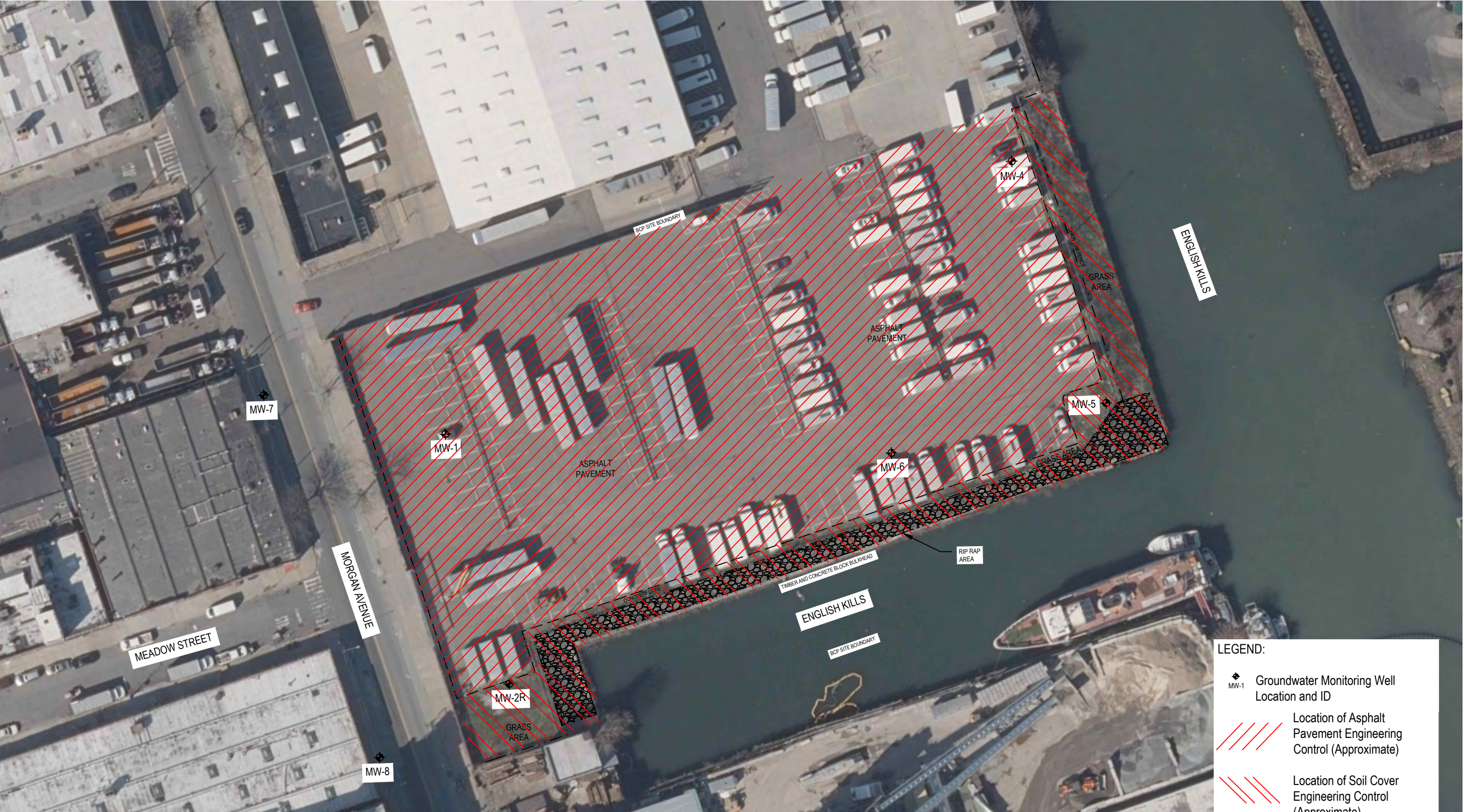


Rolling Frito-Lay Sales, LP
202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)

SITE LAYOUT MAP

Project No. 12574234
Date 6.12.2023

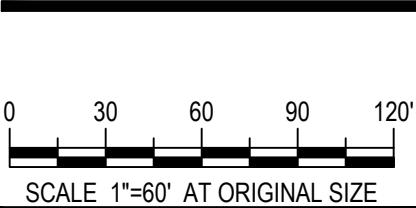
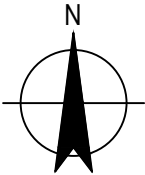
FIGURE 2



LEGEND:

-  Groundwater Monitoring Well Location and ID
-  Location of Asphalt Pavement Engineering Control (Approximate)
-  Location of Soil Cover Engineering Control (Approximate)

NOTES:
1. Aerial photograph is a 2020 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



Rolling Frito-Lay Sales, LP
202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)

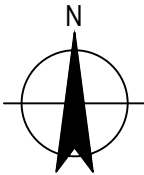
ENGINEERING CONTROLS LOCATION

Project No. 12574234
Date 6.12.2023

FIGURE 3



NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2020, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



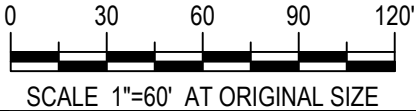
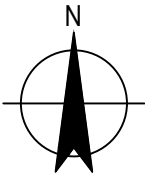
Rolling Frito-Lay Sales, LP
202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)
**MAY 2023 EXCEEDANCES OF
GROUNDWATER STANDARDS-TOTAL
METALS**

Project No. 12574234
Date 6.12.2023

FIGURE 4



NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2020, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



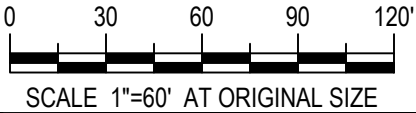
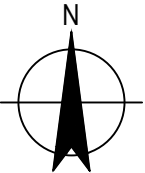
Rolling Frito-Lay Sales, LP
202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)
**MAY 2023 EXCEEDANCES OF
GROUNDWATER
STANDARDS-DISSOLVED METALS**

Project No. 12574234
Date 6.12.2023

FIGURE 5



NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2020, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



Rolling Frito-Lay Sales, LP
202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site # C224133)
**MAY 2023 EXCEEDANCES OF
GROUNDWATER STANDARDS-OTHER
ANALYTES**

Project No. 12574234
Date 6.12.2023

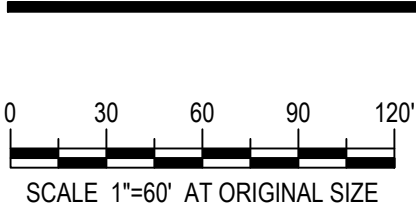
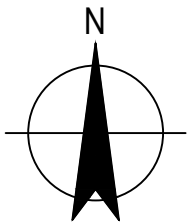
FIGURE 6



LEGEND:

- Groundwater Monitoring Well Location and ID
- Groundwater Elevation (Feet - 5-11-2023 Monitoring Event)
- Groundwater Contour and Presumed Flow Direction (Approximate)

NOTES:
1. Aerial photograph is a 2020, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.



Rolling Frito-Lay Sales, LP
202 -218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C221433)
**MAY 2023 GROUNDWATER ELEVATIONS,
CONTOURS, AND PRESUMED FLOW
DIRECTION**

Project No. 12574234
Date 6.12.2023

FIGURE 7

Tables



Table 1: Groundwater Elevation Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-1	2009	Top of PVC	9.93	-	-	1.74	-
MW-1	2011	Top of PVC	9.93	-	-	1.54	-
MW-1	5/14/2014	Top of PVC	9.93	9.07	16.33	0.86	1.16
MW-1	6/4/2015	Top of PVC	9.93	9.74	16.38	0.19	1.06
MW-1	5/26/2016	Top of PVC	9.93	9.55	16.24	0.38	1.07
MW-1	5/22/2017	Top of PVC	9.93	9.24	16.93	0.69	1.23
MW-1	5/30/2018	Top of PVC	9.93	9.06	16.93	0.87	1.26
MW-1	12/19/2018	Top of PVC	9.93	5.11	16.93	4.82	1.89
MW-1	5/30/2019	Top of PVC	9.93	9.41	16.93	0.52	1.20
MW-1	7/20/2020	Top of PVC	9.93	9.22	16.93	0.71	1.23
MW-1	5/27/2021	Top of PVC	9.93	9.53	16.93	0.40	1.18
MW-1	5/26/2022	Top of PVC	9.93	8.98	16.93	0.95	-
MW-1	5/11/2023	Top of PVC	9.93	8.80	16.93	1.13	-
MW-2R	2009	Top of PVC	10.26	-	-	2.71	-
MW-2R	2011	Top of PVC	10.26	-	-	0.40	-
MW-2R	7/4/2015	Top of PVC	10.26	9.75	17.92	0.51	1.31
MW-2R	6/4/2015	Top of PVC	10.26	9.69	17.92	0.57	1.32
MW-2R	5/26/2016	Top of PVC	10.26	10.22	17.61	0.04	1.18
MW-2R	5/22/2017	Top of PVC	10.26	9.53	17.95	0.73	1.35
MW-2R	5/30/2018	Top of PVC	10.26	10.42	17.95	-0.16	1.20
MW-2R	12/19/2018	Top of PVC	10.26	4.90	17.95	5.36	2.09
MW-2R	5/30/2019	Top of PVC	10.26	10.19	17.95	0.07	1.24
MW-2R	7/20/2020	Top of PVC	10.26	9.75	17.95	0.51	1.31
MW-2R	5/27/2021	Top of PVC	10.26	10.21	17.95	0.05	1.24
MW-2R	5/26/2022	Top of PVC	10.26	9.40	17.95	0.86	-
MW-2R	5/11/2023	Top of PVC	10.26	9.83	17.95	0.43	-
MW-4	2009	Top of PVC	10.22	-	-	2.04	-
MW-4	2011	Top of PVC	10.22	-	-	0.54	-
MW-4	5/14/2014	Top of PVC	10.22	9.91	16.48	0.31	1.05
MW-4	6/4/2015	Top of PVC	10.22	10.50	16.45	-0.28	0.95
MW-4	5/26/2016	Top of PVC	10.22	10.76	16.28	-0.54	0.88
MW-4	5/22/2017	Top of PVC	10.22	10.15	16.60	0.07	1.03
MW-4	5/30/2018	Top of PVC	10.22	9.83	16.60	0.39	1.08
MW-4	12/19/2018	Top of PVC	10.22	2.72	16.60	7.50	2.22
MW-4	5/30/2019	Top of PVC	10.22	9.90	16.60	0.32	1.07
MW-4	7/20/2020	Top of PVC	10.22	9.10	16.60	1.12	1.20
MW-4	5/27/2021	Top of PVC	10.22	10.70	16.60	-0.48	0.94
MW-4	5/26/2022	Top of PVC	10.22	9.90	16.60	0.32	-
MW-4	5/11/2023	Top of PVC	10.22	10.19	16.60	0.03	-
MW-5	2009	Top of PVC	10.77	-	-	1.76	-
MW-5	2011	Top of PVC	10.77	-	-	-0.80	-
MW-5	5/14/2014	Top of PVC	10.77	11.01	18.69	-0.24	1.23
MW-5	6/4/2015	Top of PVC	10.77	9.91	18.60	0.86	1.39
MW-5	5/26/2016	Top of PVC	10.77	12.65	18.58	-1.88	0.95
MW-5	5/22/2017	Top of PVC	10.77	11.25	18.70	-0.48	1.19
MW-5	5/30/2018	Top of PVC	10.77	10.46	18.70	0.31	1.32
MW-5	12/19/2018	Top of PVC	10.77	1.96	18.70	8.81	2.68
MW-5	5/30/2019	Top of PVC	10.77	10.76	18.70	0.01	1.27
MW-5	7/20/2020	Top of PVC	10.77	11.10	18.70	-0.33	1.22
MW-5	5/27/2021	Top of PVC	10.77	11.31	18.70	-0.54	1.18
MW-5	5/26/2022	Top of PVC	10.77	9.30	18.70	1.47	-
MW-5	5/11/2023	Top of PVC	10.77	11.95	18.70	-1.18	-



Table 1: Groundwater Elevation Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-6	2009	Top of PVC	10.22	-	-	1.11	-
MW-6	2011	Top of PVC	10.22	-	-	0.80	-
MW-6	5/14/2014	Top of PVC	10.22	10.36	17.05	-0.14	1.07
MW-6	6/4/2015	Top of PVC	10.22	10.81	17.08	-0.59	1.00
MW-6	5/26/2016	Top of PVC	10.22	10.97	16.88	-0.75	0.95
MW-6	5/22/2017	Top of PVC	10.22	10.55	17.10	-0.33	1.05
MW-6	5/30/2018	Top of PVC	10.22	10.49	17.10	-0.27	1.06
MW-6	12/19/2018	Top of PVC	10.22	2.40	17.10	7.82	2.35
MW-6	5/30/2019	Top of PVC	10.22	10.13	17.10	0.09	1.12
MW-6	7/20/2020	Top of PVC	10.22	10.54	17.10	-0.32	1.05
MW-6	5/27/2021	Top of PVC	10.22	11.10	17.10	-0.88	0.96
MW-6	5/26/2022	Top of PVC	10.22	10.51	17.10	-0.29	-
MW-6	5/11/2023	Top of PVC	10.22	10.70	17.10	-0.48	-
MW-7	2009	Top of PVC	11.11	-	-	2.92	-
MW-7	2011	Top of PVC	11.11	-	-	1.48	-
MW-7	5/14/2014	Top of PVC	11.11	8.17	15.42	2.94	1.16
MW-7	6/4/2015	Top of PVC	11.11	8.33	16.42	2.78	1.29
MW-7	5/26/2016	Top of PVC	11.11	8.32	15.22	2.79	1.10
MW-7	5/22/2017	Top of PVC	11.11	8.15	15.45	2.96	1.17
MW-7	5/30/2018	Top of PVC	11.11	7.88	15.45	3.23	1.21
MW-7	12/19/2018	Top of PVC	11.11	NM	NM	-	-
MW-7	5/30/2019	Top of PVC	11.11	8.11	15.45	3.00	1.17
MW-7	7/20/2020	Top of PVC	11.11	8.39	15.45	2.72	1.13
MW-7	5/27/2021	Top of PVC	11.11	8.32	15.45	2.79	1.14
MW-7	5/26/2022	Top of PVC	11.11	8.05	15.45	3.06	-
MW-7	5/11/2023	Top of PVC	11.11	8.01	15.45	3.10	-
MW-8	2009	Top of PVC	11.43	-	-	2.50	-
MW-8	2011	Top of PVC	11.43	-	-	2.32	-
MW-8	5/14/2014	Top of PVC	11.43	8.85	14.45	2.58	0.90
MW-8	6/4/2015	Top of PVC	11.43	8.92	14.45	2.51	0.88
MW-8	5/26/2016	Top of PVC	11.43	8.70	14.20	2.73	0.88
MW-8	5/22/2017	Top of PVC	11.43	8.88	14.60	2.55	0.92
MW-8	5/30/2018	Top of PVC	11.43	8.61	14.60	2.82	0.96
MW-8	12/19/2018	Top of PVC	11.43	NM	NM	-	-
MW-8	5/30/2019	Top of PVC	11.43	8.40	14.60	3.03	0.99
MW-8	7/20/2020	Top of PVC	11.43	8.74	14.60	2.69	0.94
MW-8	5/27/2021	Top of PVC	11.43	9.31	14.60	2.12	0.85
MW-8	5/26/2022	Top of PVC	11.43	8.40	14.60	3.03	-
MW-8	5/11/2023	Top of PVC	11.43	8.75	14.60	2.68	-

DTW - depth to water

DOW - depth of well

DTW and DOW measurements taken prior to purging using an electronic water level meter

2009 and 2011 groundwater elevation information taken from the Site Management Plan prepared by Gannett Fleming (September 2013)

Reference elevations taken from as-built plan prepared by PS&S (August 21, 2013)



Table 2: Groundwater Field Parameter Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Well I.D.	Date	Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (gal)	Comments
MW-1	5/27/2021	17.6	2.890	0.40	7.20	-157	9	2.6	Water cloudy brown with odor and became clear with odor during purging. MS/MSD sample taken at this location.
MW-1	5/26/2022	15.3	2.38	0.39	7.75	-179	10	-	-
MW-1	5/11/2023	19.52	1.88	0.00	7.78	-228	4	2.1	-
MW-2R	5/27/2021	24.1	2.000	0.72	7.11	-164	15		Water was cloudy brown with no odor and became clear with no odor during purging. Field Duplicate sample taken at this location.
MW-2R	5/26/2022	15.8	1.900	0.22	7.44	-134	13	-	-
MW-2R	5/11/2023	23.08	1.38	6.19	7.56	-146	4.6	1.5	-
MW-4	5/27/2021	18.7	3.430	2.23	7.84	-250	0	2.0	Water was clear with no odor during purging.
MW-4	5/26/2022	17.1	4.310	2.47	7.98	-76	15	-	-
MW-4	5/11/2023	18.52	4.33	1.56	7.91	-112	6.8	1.2	-
MW-5	5/27/2021	16.0	7.210	0.36	7.55	-212	18	2.3	Water was slightly cloudy brown with no odor and became clear with no odor during purging.
MW-5	5/26/2022	14.6	13.000	1.52	7.67	-83	14	-	-
MW-5	5/11/2023	15.48	15.5	3.89	8.01	-111	5	1.2	-
MW-6	5/27/2021	17.5	3.660	1.01	8.12	-340	2	2.3	Water was cloudy brown with no odor and became clear with no odor during purging.
MW-6	5/26/2022	16.2	4.270	0.22	8.37	-310	4	-	-
MW-6	5/11/2023	19.59	4.08	0.00	8.30	-262	5	1.5	-
MW-7	5/27/2021	16.1	0.891	0.41	7.38	-127	6	2.6	Water was cloudy brown with odor and became clear with odor during purging.
MW-7	5/25/2022	18.2	0.526	1.96	7.24	31	32	-	-
MW-7	5/11/2023	19.02	0.48	7.12	7.62	-93	8	0.9	-
MW-8	5/27/2021	17.1	4.270	0.23	7.21	-126	3	2.3	Water was cloudy brown with no odor and became clear with no odor during purging.
MW-8	5/25/2022	16.1	3.710	1.66	7.43	38	46	-	-
MW-8	5/11/2023	17.98	3.15	1.77	7.56	-101	5	1.2	-

Field parameters collected during purging using a multi-parameter water quality meter with flow thru cell



Table 3: Summary of Groundwater Sample Laboratory Analytical Results



				Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/26/2016	5/22/2017	5/22/2017	5/30/2018	5/30/2018	5/30/2019	7/20/2020	5/27/2021	5/26/2022	5/11/2023
				Sample ID	MW-1	MW-1	MW-1	MW-1	Duplicate	MW-1	Duplicate	MW-1	Duplicate	MW-1	MW-1	MW-1	12574234-052622-BP-004	WG-12574234-051123-BP-006

Method Name	Analyte	Units	TOGS 1.1.1	Sample Type					DUP		DUP		DUP					
General Chemistry	Total Organic Halogen	ug/l			-	<20U	<20U	27.7	24.7	54	61.1	44.1	56.7	28	51.4	43.6	18.8	57.5
	Alkalinity, Total	µg/L			347,000	400,000	766,000	437,000	436,000	398,000	403,000	364,000	363,000	352,000	<2,000U	308	366,000	358,000
	Biological Oxygen Demand, Five day	µg/L			10,600	<50,000U	<40,000U	<10,000U	<10,000U	5400	<2,000U	2800	3300	2300	5800	-	5,500	<2,000 U
	Chemical Oxygen Demand	µg/L			690,000	1,300,000	2,800,000	46,000	44,000	20,000	27,000	47,000	24,000	33,000	28,000	64,000	180,000	7,900 J
	Chloride	µg/L	250000		-	600,000	540,000	560,000	560,000	840,000	840,000	727,000	737,000	625,000	378,000	782,000	560,000	415,000
	Total Organic Carbon	µg/L			5400	10,600	7500	3500	3400	1700	1800	4330	4250	3060	1900	3,010	1,860	2,330
PCBs	Aroclor 1016	µg/L			<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.021U	<0.021U	<0.0833U	<0.0833U	<0.013U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1221	µg/L			<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.028U	<0.028U	<0.0833U	<0.0833U	<0.018U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1232	µg/L			<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.012U	<0.012U	<0.0833U	<0.0833U	<0.038U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1242	µg/L			<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	0.043J	0.061	<0.0833U	<0.0833U	<0.03U	<0.05U	<0.05 U	0.137	<0.050 U
	Aroclor 1248	µg/L			<0.05U	0.768	1.46	0.286	0.41	<0.014U	<0.014U	0.262	0.218	0.085	0.161	0.749	<0.050 U	<0.050 U
	Aroclor 1254	µg/L			<0.05U	0.416	0.746	0.137	0.238	<0.022U	<0.022U	0.142	0.124	0.038J	0.082	0.315	<0.050 U	<0.050 U
	Aroclor 1260	µg/L			<0.05U	<0.083U	0.119	<0.023U	<0.023U	<0.023U	<0.023U	0.035J	0.031J	<0.029U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1262	µg/L			-	<0.083U	<0.083U	-	-	-	-	-	-	-	-	-	-	-
	Aroclor 1268	µg/L			-	<0.083U	<0.083U	-	-	-	-	-	-	-	-	-	-	-
	PCBs, Total	µg/L	0.09		<0.05U	1.18	2.33	0.423	0.648	0.043	0.061	0.439	0.373	0.123J	0.243J	1.064	0.137	<0.050 U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

				Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
				Date Sampled	Baseline	Baseline	5/14/2014	6/4/2015	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	5/30/2019	7/20/2020	7/20/2020	5/27/2021	5/27/2021	5/26/2022	5/11/2023
				Sample ID	MW-2R	Duplicate	MW-2R	MW-2R	Duplicate	MW-2R	MW-2R	MW-2R	MW-2R	Duplicate	MW-2R	Duplicate	MW-2R	Duplicate	12574234-052622-BP-006	WG-12574234-DTS-051123-004
Method Name	Analyte	Units	TOGS 1.1.1	Sample Type		DUP			DUP					DUP		DUP		DUP		
General Chemistry	Total Organic Halogen	ug/l			-	-	26.9	20.9	22	14.1J	41.1	19.9J	30	29.1	49.5J	55.5J	33.3	22	29.6	29.0
	Alkalinity, Total	µg/L			308,000	-	312,000	317,000	315,000	271,000	281,000	298,000	295,000	300,000	<2,000U	<2,000U	283	262	278,000	278,000
	Biological Oxygen Demand, Five day	µg/L			<6,000U	-	<10,000U	<5,000U	<5,000U	<2,000U	<2,000U	<2,000U	<2,000U	3100	<2,000U	3000	-	-	2,400	<2,000 U
	Chemical Oxygen Demand	µg/L			32,900	-	74,000	55,000	80,000	22,000	18,000	6000J	21,000	44,000	24,000	16,000	15,000	17,000	3,700 J	3,200 J
	Chloride	µg/L	250000		-	-	270,000	340,000	350,000	340,000	430,000	376,000	472,000	472,000	502,000	508,000	451,000	456,000	380,000	296,000
	Total Organic Carbon	µg/L			2800	-	11,200	3200	3400	2600	2300	3120	11,600	1790	2200	940	2,390	2,170	1,500	2,000
PCBs	Aroclor 1016	µg/L			<0.05U	<0.05U	<0.083U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U	<0.05U	<0.05 U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1221	µg/L			<0.05U	<0.05U	<0.083U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U	<0.05U	<0.05 U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1232	µg/L			<0.05U	<0.05U	<0.083U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U	<0.05U	<0.05 U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1242	µg/L			<0.05U	<0.05U	<0.083U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U	<0.03U	<0.05U	<0.05U	<0.05 U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1248	µg/L			<0.05U	<0.05U	<0.083U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.038U	<0.038U	<0.05U	<0.05U	<0.05 U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1254	µg/L			<0.05U	<0.05U	<0.083U	<0.083U	<0.083U	0.034J	<0.022U	<0.0833U	<0.014U	<0.014U	<0.05U	<0.05U	<0.05 U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1260	µg/L			<0.05U	<0.05U	<0.083U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.029U	<0.029U	<0.05U	<0.05U	<0.05 U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1262	µg/L			-	-	<0.083U	<0.083U	<0.083U	-	-	-	-	-	-	-	-	-	-	-
	Aroclor 1268	µg/L			-	-	<0.083U	<0.083U	<0.083U	-	-	-	-	-	-	-	-	-	-	-
	PCBs, Total	µg/L	0.09		<0.05U	<0.05U	<0.083U	<0.083U	<0.083U	0.034J	<0.014	<0.0833U	<0.083U	<0.083U	<0.05U	<0.05U	<0.05 U	<0.05 U	<0.050 U	<0.050 U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

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J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

				Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021	5/26/2022	5/11/2023	5/11/2023
				Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	12574234-052622-DTS-007	WG-12574234-DTS-051123-001	WG-12574234-DTS-051123-002
Method Name	Analyte	Units	TOGS 1.1.1	Sample Type												DUP
General Chemistry	Total Organic Halogen	ug/l			-	47.4	50.5	36.9	42	19.6J	27	70.7J	33.3	43.0	96.5	71.9
	Alkalinity, Total	µg/L			446,000	186,000	83,400	96,800	484,000	586,000	625,000	<2,000U	557	566,000	557,000	549,000
	Biological Oxygen Demand, Five day	µg/L			11,700	<5,000U	<5,000U	4300	<5,000U	<5,000U	9200	8400	-	10,000	2,600	3,600
	Chemical Oxygen Demand	µg/L			1,170,000	150,000	110,000	99,000	82,000	100,000	73,000	330,000	66,000	56,000	48,000	41,000
	Chloride	µg/L	250000		-	460,000	560,000	620,000	640,000	879,000	840,000	775,000	779,000	920,000	1,010,000	1,010,000
	Total Organic Carbon	µg/L			26,900	52,100	25,000	25,000	17,000	17,000	15,100	4800	13,900	12,900	14,300	13,300
PCBs	Aroclor 1016	µg/L			<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.05U	<0.05 U	<0.050 U	<0.050 U	<0.050 U
	Aroclor 1221	µg/L			<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.05U	<0.05 U	<0.050 U	<0.050 U	<0.050 U
	Aroclor 1232	µg/L			<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.05U	<0.05 U	<0.050 U	<0.050 U	<0.050 U
	Aroclor 1242	µg/L			<0.05U	<0.083U	<0.083U	<0.014U	0.045J	<0.0833U	<0.03U	<0.05U	<0.05 U	0.142	0.027 J	<0.050 U
	Aroclor 1248	µg/L			<0.05U	0.11	<0.083U	<0.014U	<0.014U	0.158	<0.038U	0.128	<0.05 U	<0.050 U	<0.050 U	<0.050 U
	Aroclor 1254	µg/L			<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	0.114	<0.014U	0.083	<0.05 U	0.106	0.021 J	<0.050 U
	Aroclor 1260	µg/L			<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.044J	<0.029U	<0.05U	<0.05 U	<0.050 U	<0.050 U	<0.050 U
	Aroclor 1262	µg/L			-	<0.083U	<0.083U	-	-	-	-	-	-	-	-	-
	Aroclor 1268	µg/L			-	<0.083U	<0.083U	-	-	-	-	-	-	-	-	-
	PCBs, Total	µg/L	0.09		<0.05U	0.11	<0.083U	<0.012U	0.045	0.316	<0.083U	0.211U	<0.05 U	0.248	0.048 J	<0.050 U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

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Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

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Table 3: Summary of Groundwater Sample Laboratory Analytical Results

				Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
				Date Sampled	Baseline	5/14/2014	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021	5/26/2022	5/11/2023
				Sample ID	MW-5	MW-5	Duplicate	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	12574234-052622-DTS-005	WG-12574234-051123-BP-003
Method Name	Analyte	Units	TOGS 1.1.1	Sample Type			DUP									
General Chemistry	Total Organic Halogen	ug/l			-	66.5	46.1	41.4	72.2	81.1	80.3	52.4	101J	29.2	97.2	81.5
	Alkalinity, Total	µg/L			637,000	387,000	391,000	455,000	370,000	377,000	421,000	376,000	<2,000U	437	406,000	367,000
	Biological Oxygen Demand, Five day	µg/L			21,000	13,000	23,000	7400	<40,000U	<2,000U	<5,000U	11,000	<5,000U	-	3,200	<2,000 U
	Chemical Oxygen Demand	µg/L			324,000	220,000	230,000	260,000	150,000	73,000	51,000	280,000	120,000	150,000	88,000	73,000
	Chloride	µg/L	250000		-	1,400,000	1,300,000	1,900,000	4,600,000	3,100,000	3,400,000	3,940,000	3,170,000	2,030,000	3,800,000	3,920,000
	Total Organic Carbon	µg/L			18,800	23,200	22,700	13,000	6200	9000	13,900	2060	5100	10,700	2,950	10,700
PCBs	Aroclor 1016	µg/L			<0.05U	<0.083U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1221	µg/L			<0.05U	<0.083U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1232	µg/L			<0.05U	<0.083U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1242	µg/L			<0.05U	<0.083U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	0.12	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1248	µg/L			<0.05U	0.195	<0.083U	0.216	<0.014U	<0.014U	<0.0833U	<0.038U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1254	µg/L			<0.05U	0.17	<0.083U	0.153	<0.022U	<0.022U	<0.0833U	0.091	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1260	µg/L			<0.05U	0.084	<0.083U	0.103	<0.023U	<0.023U	<0.0833U	0.096	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1262	µg/L			-	<0.083U	<0.083U	<0.083U	-	-	-	-	-	-	-	-
	Aroclor 1268	µg/L			-	<0.083U	<0.083U	<0.083U	-	-	-	-	-	-	-	-
PCBs, Total					<0.05U	0.449	<0.083U	0.472	<0.012U	<0.014	<0.0833U	0.307J	<0.05U	<0.05 U	<0.050 U	<0.050 U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

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Table 3: Summary of Groundwater Sample Laboratory Analytical Results

				Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021	5/26/2022	5/11/2023
				Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	12574234-052622-BP-008	WG-12574234-051123-BP-005
Method Name	Analyte	Units	TOGS 1.1.1	Sample Type											
General Chemistry	Total Organic Halogen	ug/l			-	47.4	35.7	30.5	50.8	50.7	32.6	51.3J	45.5	49.9	57.8
	Alkalinity, Total	µg/L			530,000	560,000	807,000	718,000	492,000	569,000	534,000	<2,000U	509	529,000	522,000
	Biological Oxygen Demand, Five day	µg/L			12,300	26,000	48,000	29,000	15,000	<10,000U	11,000	<10,000U	-	7,700	9,100
	Chemical Oxygen Demand	µg/L			994,000	320,000	180,000	580,000	71,000	95,000	73,000	690,000	61,000	63,000	64,000
	Chloride	µg/L	250000		-	620,000	660,000	780,000	980,000	1,170,000	1,080,000	778,000	751,000	6,800	1,030,000
	Total Organic Carbon	µg/L			24,000	35,100	21,000	22,000	16,000	15,800	15,600	3600	14,300	14,100	16,200
PCBs	Aroclor 1016	µg/L			<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1221	µg/L			<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1232	µg/L			<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1242	µg/L			<0.05U	0.279	<0.083U	<0.014U	0.026J	<0.0833U	0.103	<0.05U	<0.05 U	0.023 J	<0.050 U
	Aroclor 1248	µg/L			<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	0.075J	<0.038U	0.525	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1254	µg/L			<0.05U	0.187	<0.083U	0.022J	<0.022U	0.058J	0.044J	0.367	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1260	µg/L			<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.036J	<0.029U	0.128	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1262	µg/L			-	<0.083U	<0.083U	-	-	-	-	-	-	-	-
	Aroclor 1268	µg/L			-	<0.083U	<0.083U	-	-	-	-	-	-	-	-
	PCBs, Total	µg/L	0.09		<0.05U	0.466	<0.083U	0.022J	0.026	0.169J	0.147J	1.02	<0.05 U	0.023 J	<0.050 U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

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Bold and highlighted results indicate an exceedance of standards



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

				Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021	5/25/2022	5/25/2022	5/11/2023
				Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	12574234-052522-DTS-002	12574234-052522-DTS-003	WG-12574234-DTS-051123-007
Method Name	Analyte	Units	TOGS 1.1.1	Sample Type											DUP	
General Chemistry	Total Organic Halogen	ug/l			-	50.4	27.9	26.3	63.6	74.8	61.9	28.1J	39.6	22.9	22.3	46.3
	Alkalinity, Total	µg/L			291,000	330,000	323,000	319,000	265,000	238,000	259,000	<2,000U	233	223,000	227,000	221,000
	Biological Oxygen Demand, Five day	µg/L			10,300	14,000	3300	<2,000U	<2,000U	<2,000U	13,000	<2,000U	-	<2,000 U	<2,000 U	<2,000 U
	Chemical Oxygen Demand	µg/L			199,000	35,000	19,000J	37,000	4100J	<10,000U	280,000	26,000	<10,000 U	6,000 J	3,700 J	12,000
	Chloride	µg/L	250000		-	250,000	240,000	170,000	91,000	108,000	120,000	81,600	164,000	54,000	71,000	61,600
	Total Organic Carbon	µg/L			5200	6440	3900	4000	2700	3940	2770	2200	2,270	2,150	2,180	2,130
PCBs	Aroclor 1016	µg/L			<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.05U	<0.05 U	<0.050 U	<0.050 U	<0.050 U
	Aroclor 1221	µg/L			<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.05U	<0.05 U	<0.050 U	<0.050 U	<0.050 U
	Aroclor 1232	µg/L			<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.05U	<0.05 U	<0.050 U	<0.050 U	<0.050 U
	Aroclor 1242	µg/L			<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U	<0.05U	<0.05 U	<0.050 U	<0.050 U	<0.050 U
	Aroclor 1248	µg/L			<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.038U	<0.05U	<0.05 U	<0.050 U	<0.050 U	<0.050 U
	Aroclor 1254	µg/L			<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	<0.0833U	<0.014U	<0.05U	<0.05 U	<0.050 U	<0.050 U	<0.050 U
	Aroclor 1260	µg/L			<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.029U	<0.05U	<0.05 U	<0.050 U	<0.050 U	<0.050 U
	Aroclor 1262	µg/L			-	<0.083U	<0.083U	-	-	-	-	-	-	-	-	-
	Aroclor 1268	µg/L			-	<0.083U	<0.083U	-	-	-	-	-	-	-	-	-
	PCBs, Total	µg/L	0.09		<0.05U	<0.083U	<0.083U	<0.012U	<0.014	<0.0833U	<0.083U	<0.05U	<0.05 U	<0.050 U	<0.050 U	<0.050 U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

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Table 3: Summary of Groundwater Sample Laboratory Analytical Results

				Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
				Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021	5/25/2022	5/11/2023
				Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	12574234-052522-DTS-001	WG-12574234-051123-BP-008
Method Name	Analyte	Units	TOGS 1.1.1	Sample Type											
General Chemistry	Total Organic Halogen	ug/l			-	40.5	62.1	11.9J	40.8	46.2	111	51J	55.6	19.5	38.2
	Alkalinity, Total	µg/L			613,000	575,000	564,000	521,000	505,000	453,000	429,000	<2,000U	536	489,000	462,000
	Biological Oxygen Demand, Five day	µg/L			<6,000U	3400	<2,000U	<2,000U	2800	<2,000U	<2,000U	<2,000U	-	<2,000 U	<2,000 U
	Chemical Oxygen Demand	µg/L			359,000	49,000	42,000	56,000	55,000	29,000	35,000	22,000	59,000	13,000	<10,000 U
	Chloride	µg/L	250000		-	740,000	940,000	1,400,000	2,300,000	2,240,000	1,040,000	1,230,000	1,030,000	880,000	770,000
	Total Organic Carbon	µg/L			5500	7620	2200	1600	1000	3690J	1550	<2,000U	2,110	1,370	1,080
PCBs	Aroclor 1016	µg/L			<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.02U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1221	µg/L			<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.028U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1232	µg/L			<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.058U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1242	µg/L			<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.045U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1248	µg/L			<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.057U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1254	µg/L			<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	<0.0833U	<0.021U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1260	µg/L			<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.043U	<0.05U	<0.05 U	<0.050 U	<0.050 U
	Aroclor 1262	µg/L			-	<0.083U	<0.083U	-	-	-	-	-	-	-	-
	Aroclor 1268	µg/L			-	<0.083U	<0.083U	-	-	-	-	-	-	-	-
PCBs, Total		µg/L	0.09		<0.05U	<0.083U	<0.083U	<0.012U	<0.014	<0.0833U	<0.083U	<0.05U	<0.05 U	<0.050 U	<0.050 U

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Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/26/2016	5/22/2017	5/22/2017	5/30/2018	5/30/2018	5/30/2019	7/20/2020	5/27/2021	5/26/2022	5/11/2023
			Sample ID	MW-1	MW-1	MW-1	MW-1	Duplicate	MW-1	Duplicate	MW-1	Duplicate	MW-1	MW-1	MW-1	12574234-052622-BP-004	WG-12574234-051123-BP-006
Analyte	Units	TOGS 1.1.1	Sample Type					DUP		DUP		DUP					
Aluminum, Total	µg/L			220	2710	5230	1000	1110	19.8	16.9	700	272	75.8	536	1210	239	48.7
Aluminum, Dissolved (Filtered)	µg/L			<180U	9.6J	10.6	8J	4J	-	-	6.76J	6.66J	4.73J	<10U	<10U	<10.0 U	<10.0 U
Antimony, Total	µg/L	3		<12U	6.53	2.1	0.7J	0.8J	<0.42U	<0.42U	0.69J	<4U	10.14	<4U	<4U	<4.00 U	<4.00 U
Antimony, Dissolved (Filtered)	µg/L	3		<12U	0.17J	0.1J	1.2J	0.7J	-	-	0.69J	0.55J	3.54J	<4U	<4U	<4.00 U	<4.00 U
Arsenic, Total	µg/L	25		<8U	4.26	12.1	2.5	2.7	1.54	1.4	3.01	1.77	3.87	2.42	17.35	3.75	1.01
Arsenic, Dissolved (Filtered)	µg/L	25		8.3	1.68	0.8	2.2	1	-	-	1.14	1.01	2.76	<0.5U	2	0.92	0.82
Barium, Total	µg/L	1000		180	218.7	333.3	235.6	225.3	284.9	277.4	224.9	192.2	171.4	163.9	213.6	186.1	169.2
Barium, Dissolved (Filtered)	µg/L	1000		140	175.8	195.9	200.1	213.5	-	-	182.2	180.8	151	127.4	172.6	161.9	135.9
Beryllium, Total	µg/L	3		<4U	0.17J	0.4J	<0.2U	<0.2U	<0.1U	<0.1U	<0.5U	<0.5U	<0.1U	<0.5U	<0.5U	<0.50 U	<0.50 U
Beryllium, Dissolved (Filtered)	µg/L	3		<4U	<0.5U	<0.5U	<0.2U	<0.2U	-	-	<0.5U	<0.5U	<0.1U	<0.5U	<0.5U	<0.50 U	<0.50 U
Cadmium, Total	µg/L	5		<4U	0.83	2.1	0.5	0.4	0.06J	0.08J	0.36	0.22	0.13J	0.25	0.96	0.16 J	<0.20 U
Cadmium, Dissolved (Filtered)	µg/L	5		<4U	<0.2U	<0.5U	<0.1U	<0.1U	-	-	<0.2U	<0.2U	<0.05U	<0.2U	<0.2U	<0.20 U	<0.20 U
Calcium, Total	µg/L			210,000	166,000	211,000	189,000	181,000	276,000	256,000	182,000	160,000	152,000	132,000	143,000	134,000	111,000
Calcium, Dissolved (Filtered)	µg/L			180,000	193,000	159,000	198,000	247,000	-	-	183,000	183,000	160,000	119,000	153,000	145,000	123,000
Chromium, Total	µg/L	50		<50U	35.47	91.6	18.2	18.8	2.89	2.73	11.93	5.81	2.54	6.43	22.78	4.98	1.82
Chromium, Dissolved (Filtered)	µg/L	50		<50U	3.34	3.04	2.9	3.3	-	-	0.96J	0.97J	0.81J	<1U	<1U	0.64 J	0.82 J
Cobalt, Total	µg/L			<20U	3.58	7.9	2	2	1.16	1.36	2.12	1.51	0.97	1.46	2.31	0.97	0.56
Cobalt, Dissolved (Filtered)	µg/L			<20U	0.82	1.3	1.3	1.7	-	-	1.56	1.59	1.34	1.24	0.95	0.67	0.55
Copper, Total	µg/L	200		<50U	66.06	180	17.7	18.3	0.71J	<0.38U	21.1	7.73	1.88	10.81	40.11	5.72	0.81 J
Copper, Dissolved (Filtered)	µg/L	200		<50U	0.64J	0.3J	<0.3U	<0.3U	-	-	1.48	0.4J	<0.38U	<1U	<1U	<1.00 U	<1.00 U
Iron, Total	µg/L	300		4100	21,500	24,000	7160	7430	3710	3690	6260	4730	3920	6260	35,500	7,980	4,480
Iron, Dissolved (Filtered)	µg/L	300		760	7470	5360	1920	2090	-	-	25.6J	24.4J	97.7	103	1620	449	158
Lead, Total	µg/L	25		6	147.4	360.1	85.7	76.1	0.84J	0.83J	45.6	17.16	4.04	24.89	77.96	25.70	2.27
Lead, Dissolved (Filtered)	µg/L	25		<4U	<1U	<1U	0.2J	0.1J	-	-	<1U	<1U	<0.34U	<1U	<1U	<1.00 U	<1.00 U
Magnesium, Total	µg/L	35000		36,000	29,100	36,200	31,100	31,500	39,200	39,900	32,600	28,500	32,100	33,800	34,400	35,400	26,600
Magnesium, Dissolved (Filtered)	µg/L	35000		30,000	27,300	30,800	30,300	32,800	-	-	26,400	26,600	38,400	32,000	36,900	41,400	31,900
Manganese, Total	µg/L	300		3000	2458	3322	2939	2788	2792	2707	2093	1841	1856	1747	1865	1,908	1,248
Manganese, Dissolved (Filtered)	µg/L	300		2500	2728	2886	3222	3892	-	-	1771	1726	1901	1600	2043	1,805	1,617
Mercury, Total	µg/L	0.7		<1U	3.27	0.81	0.14J	0.1J	<0.06U	<0.06U	<0.2U	<0.2U	<0.09U	<0.2U	<0.2U	0.14 J	<0.20 U
Mercury, Dissolved (Filtered)	µg/L	0.7		<1U	<0.2U	<0.2U	<0.06U	<0.06U	-	-	<0.2U	<0.2U	<0.09U	<0.2U	<0.2U	<0.20 U	<0.20 U
Nickel, Total	µg/L	100		<50U	30.45	69.1	18.4	20.4	9.44	7.27	13.13	9.07	6.89	13.26	21.6	9.38	6.73
Nickel, Dissolved (Filtered)	µg/L	100		<50U	7.43	10.17	14.1	14.6	-	-	8.2	8.42	6.87	9.69	7.93	5.44	6.29
Potassium, Total	µg/L			18,000	13,900	17,500	16,300	16,500	20,700	19,200	16,100	14,200	14,500	13,000	13,300	12,900	12,200
Potassium, Dissolved (Filtered)	µg/L			15,000	14,200	15,800	16,400	16,800	-	-	15,900	15,800	15,200	11,900	14,600	14,100	11,700
Selenium, Total	µg/L	10		<40U	1.03J	2J	<1U	<1U	<1.73U	<1.73U	<5U	<5U	<1.73U	<5U	<5U	<5.00 U	<5.00 U
Selenium, Dissolved (Filtered)	µg/L	10		<40U	1.29J	<100U	<1U	<1U	-	-	<5U	<5U	<1.73U	<5U	<5U	<5.00 U	<5.00 U
Silver, Total	µg/L	50		<20U	0.66	1.6	0.1J	0.1J	<0.16U	<0.16U	0.17J	<0.4U	<0.16U	<0.4U	1.16	<0.40 U	<0.40 U
Silver, Dissolved (Filtered)	µg/L	50		<20U	<0.4U	<5U	<0.1U	<0.1U	-	-	<0.4U	<0.4U	<0.16U	<0.4U	<0.4U	<0.40 U	<0.40 U
Sodium, Total	µg/L	20000		220,000J	290,000	315,000	342,000	333,000	477,000	478,000	369,000	325,000	338,000	233,000	511,000	339,000	268,000
Sodium, Dissolved (Filtered)	µg/L	20000		190,000J	356,000	298,000	382,000	470,000	-	-	430,000	425,000	361,000	220,000	558,000	656,000	269,000
Thallium, Total	µg/L	0.5		<10U	0.04J	0.1J	<0.1U	<0.1U	<0.14U	<0.14U	<0.5U	<0.5U	0.19J	<0.5U	<0.5U	<1.00 U	<1.00 U
Thallium, Dissolved (Filtered)	µg/L	0.5		<10U	<0.5U	<0.5U	<0.1U	<0.1U	-	-	<0.5U	<0.5U	0.19J	<0.5U	<0.5U	<1.00 U	<1.00 U
Vanadium, Total	µg/L			<50U	9.55	34.1	4.3J	4.1J	<1.57U	<1.57U	3.55J	1.61J	2.07J	<5U	7	<5.00 U	<5.00 U
Vanadium, Dissolved (Filtered)	µg/L			<50U	0.35J	<5U	<0.6U	<0.6U	-	-	<5U	<5U	<1.57U	<5U	<5U	<5.00 U	<5.00 U
Zinc, Total	µg/L	2000		<50U	298.2	952.9	104.2	114.1	4.44J	3.89J	82.02	31.44	9.31J	48.37	124.8	31.76	6.96 J
Zinc, Dissolved (Filtered)	µg/L	2000		<50U	2.48J	4.87J	<2.6U	<2.6U	-	-	7.39J	4.89J	<3.41U	12.22	<10U	<10.00 U	<10.00 U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

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Bold and highlighted results indicate an exceedance of standards



Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	
			Date Sampled	Baseline	Baseline	5/14/2014	6/4/2015	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	5/30/2019	7/20/2020	7/20/2020	5/27/2021	5/27/2021	5/26/2022	5/11/2023
			Sample ID	MW-2R	Duplicate	MW-2R	MW-2R	Duplicate	MW-2R	MW-2R	MW-2R	MW-2R	Duplicate	MW-2R	Duplicate	MW-2R	Duplicate	12574234-052622-BP-006	WG-12574234-DTS-051123-004
Analyte	Units	TOGS 1.1.1	Sample Type		DUP			DUP					DUP		DUP		DUP		
Aluminum, Total	µg/L			4200J	1700J	404	1690	1660	33	193	35.5	375	358	231	221	168	196	122	51.4
Aluminum, Dissolved (Filtered)	µg/L			<180U	<180U	-	-	-	-	-	4.54J	<3.27U	<3.27U	<10U	<10U	<10U	<10U	4.12 J	<10.0 U
Antimony, Total	µg/L	3		<12U	<12U	3.12	2.1	2.4	0.3J	<0.42U	0.8J	0.51J	0.47J	<4U	<4U	<4U	<4U	<4.00 U	<4.00 U
Antimony, Dissolved (Filtered)	µg/L	3		<12U	<12U	-	-	-	-	-	<4U	1.13J	0.93J	<4U	<4U	<4U	<4U	<4.00 U	<4.00 U
Arsenic, Total	µg/L	25		<8U	<8U	36.36	7.8	8.5	6.8	6.51	6.25	4.43	4.43	4.36	4.2	5.6	5.27	4.07	3.45
Arsenic, Dissolved (Filtered)	µg/L	25		<8U	<8U	-	-	-	-	-	0.83	0.68	0.61	0.58	<0.5U	1.15	1.91	1.01	0.82
Barium, Total	µg/L	1000		200	160	192.8	227.1	224.5	227.7	298	308.7	371.6	366.9	381	365.5	420.3	415.7	294.6	235.5
Barium, Dissolved (Filtered)	µg/L	1000		160	160	-	-	-	-	-	231.6	275.2	272.9	316.3	305.4	342.1	351.4	238.5	162.2
Beryllium, Total	µg/L	3		<4U	<4U	0.1J	0.2J	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U	<0.1U	<0.5U	<0.5U	<0.5U	<0.5U	<0.50 U	<0.50 U
Beryllium, Dissolved (Filtered)	µg/L	3		<4U	<4U	-	-	-	-	-	<0.5U	<0.1U	<0.1U	<0.5U	<0.5U	<0.5U	<0.5U	<0.50 U	<0.50 U
Cadmium, Total	µg/L	5		<4U	<4U	0.19J	0.1J	0.1J	<0.1U	0.2	<0.2U	<0.05U	<0.05U	<0.2U	<0.2U	<0.2U	<0.2U	<0.20 U	<0.20 U
Cadmium, Dissolved (Filtered)	µg/L	5		<4U	<4U	-	-	-	-	-	<0.2U	<0.05U	<0.05U	<0.2U	<0.2U	<0.2U	<0.2U	<0.20 U	<0.20 U
Calcium, Total	µg/L			320,000	280,000	88,100	93,300	84,900	73,700	73,300	82,200	96,800	95,400	93,600	90,300	97,900	95,600	84,000	59,900
Calcium, Dissolved (Filtered)	µg/L			320,000	310,000	-	-	-	-	-	88,800	89,600	89,800	94,100	94,600	96,400	97,700	87,100	59,500
Chromium, Total	µg/L	50		<50U	<50U	10.5	10.4	10.1	0.5J	1.01	0.4J	2.05	1.94	1.4	1.31	<1U	<1U	0.76 J	0.42 J
Chromium, Dissolved (Filtered)	µg/L	50		<50U	<50U	-	-	-	-	-	0.18J	<0.17U	<0.17U	<1U	<1U	<1U	<1U	<1.00 U	0.17 J
Cobalt, Total	µg/L			<20U	<20U	1.18	2.6	2.3	0.2	0.23J	<0.5U	0.55	0.38J	<0.5U	<0.5U	<0.5U	<0.5U	0.26 J	0.19 J
Cobalt, Dissolved (Filtered)	µg/L			<20U	<20U	-	-	-	-	-	0.18J	0.17J	<0.16U	<0.5U	<0.5U	<0.5U	<0.5U	<0.50 U	<0.50 U
Copper, Total	µg/L	200		<50U	<50U	20.21	30.9	26.2	<0.3U	2.47	0.6J	4.92	4.86	2.83	2.84	1.97	2.09	1.37	0.81 J
Copper, Dissolved (Filtered)	µg/L	200		<50U	<50U	-	-	-	-	-	0.82J	<0.38U	<0.38U	<1U	1.06	<1U	<1U	<1.00 U	0.45 J
Iron, Total	µg/L	300		13,000J	9000J	58,600	24,100	24,000	14,000	14,100	17,300	19,000	18,900	17,700	17,800	19,500	19,200	16,000	11,400
Iron, Dissolved (Filtered)	µg/L	300		870	750	-	-	-	-	-	35.1J	1840	1010	404	269	2180	8110	1,490	42.0 J
Lead, Total	µg/L	25		120J	49J	73.18	178	165.3	1.9	13.48	2.01	22.43	22.73	13.12	13.68	6.65	7.49	5.20	4.00
Lead, Dissolved (Filtered)	µg/L	25		<4U	<4U	-	-	-	-	-	<1U	<0.34U	<0.34U	<1U	<1U	<1U	<1U	<1.00 U	<1.00 U
Magnesium, Total	µg/L	35000		140,000	120,000	33,900	35,700	33,800	33,800	34,400	41,500	44,300	44,300	42,100	41,300	47,000	45,000	37,300	23,400
Magnesium, Dissolved (Filtered)	µg/L	35000		140,000	140,000	-	-	-	-	-	34,400	45,600	45,500	42,700	43,600	46,800	46,300	42,800	28,200
Manganese, Total	µg/L	300		900	790	374.7	699.3	624.2	804.9	708.6	901.2	1009	984.3	868.9	857.4	979.9	996.2	694.1	482.2
Manganese, Dissolved (Filtered)	µg/L	300		830	860	-	-	-	-	-	915.9	911.9	930.6	830.2	826.2	890.2	931.2	653.5	469.5
Mercury, Total	µg/L	0.7		<1U	<1U	0.38	0.46	0.36	0.09J	0.06J	<0.2U	<0.09U	<0.09U	<0.2U	<0.2U	<0.2U	<0.2U	0.14 J	<0.20 U
Mercury, Dissolved (Filtered)	µg/L	0.7		<1U	<1U	-	-	-	-	-	<0.2U	<0.09U	<0.09U	<0.2U	<0.2U	<0.2U	<0.2U	<0.20 U	<0.20 U
Nickel, Total	µg/L	100		<50U	<50U	3.41	5.5	6.1	1.3J	1.75J	<2U	0.69J	0.65J	<2U	<2U	<2U	<2U	0.88 J	1.43 J
Nickel, Dissolved (Filtered)	µg/L	100		<50U	<50U	-	-	-	-	-	0.87J	0.75J	0.73J	<2U	<2U	<2U	<2U	<2.00 U	1.05 J
Potassium, Total	µg/L			55,000	48,000	14,400	16,000	15,300	14,300	16,500	16,800	19,600	19,300	19,000	18,600	18,800	18,700	17,200	12,000
Potassium, Dissolved (Filtered)	µg/L			55,000	54,000	-	-	-	-	-	17,400	18,000	18,200	19,300	19,400	18,500	18,900	18,400	13,800
Selenium, Total	µg/L	10		<40U	<40U	0.53J	<5U	<5U	<1U	<1.73U	<5U	<1.73U	<1.73U	<5U	<5U	<5U	<5U	<5.00 U	<5.00 U
Selenium, Dissolved (Filtered)	µg/L	10		<40U	<40U	-	-	-	-	-	<5U	<1.73U	<1.73U	<5U	<5U	<5U	<5U	<5.00 U	<5.00 U
Silver, Total	µg/L	50		<20U	<20U	<0.4U	0.1J	<0.4U	<0.1U	<0.16U	<0.4U	<0.16U	<0.16U	<0.4U	<0.4U	<0.4U	<0.4U	<0.40 U	<0.40 U
Silver, Dissolved (Filtered)	µg/L	50		<20U	<20U	-	-	-	-	-	<0.4U	<0.16U	<0.16U	<0.4U	<0.4U	<0.4U	<0.4U	<0.40 U	<0.40 U
Sodium, Total	µg/L	20000		770,000J	660,000J	142,000	221,000	215,000	200,000	273,000	178,000	253,000	250,000	244,000	238,000	302,000	290,000	230,000	189,000
Sodium, Dissolved (Filtered)	µg/L	20000		760,000J	750,000J	-	-	-	-	-	213,000	230,000	230,000	254,000	257,000	293,000	292,000	236,000	176,000
Thallium, Total	µg/L	0.5		<10U	<10U	<0.5U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U	<0.14U	<0.5U	<0.5U	<0.5U	<0.5U	<1.00 U	<1.00 U
Thallium, Dissolved (Filtered)	µg/L	0.5		<10U	<10U	-	-	-	-	-	<0.5U	<0.14U	<0.14U	<0.5U	<0.5U	<0.5U	<0.5U	<1.00 U	<1.00 U
Vanadium, Total	µg/L			<50U	<50U	6.59	8.1	7.6	<0.6U	<1.57U	<5U	1.94J	1.68J	<5U	<5U	<5U	<5U	<5.00 U	<5.00 U
Vanadium, Dissolved (Filtered)	µg/L			<50U	<50U	-	-	-	-	-	<5U	<1.57U	<1.57U	<5U	<5U	<5U	<5U	<5.00 U	<5.00 U
Zinc, Total	µg/L	2000		120	76	68.19	80.8	69.9	<2.6U	5.88J	<10U	7.43J	6.78J	<10U	<10U	<10U	<10U	10.82	3.48 J
Zinc, Dissolved (Filtered)	µg/L	2000		<50U	<50U	-	-	-	-	-	<10U	<3.41U	<3.41U	<10U	<10U	<10U	<10U	<10.00 U	<10.00 U

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Bold and highlighted results indicate an exceedance of standards



Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021	5/26/2022	5/11/2023	5/11/2023
			Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	12574234-052622-DTS-007	WG-12574234-DTS-051123-001	WG-12574234-DTS-051123-002
Analyte	Units	TOGS 1.1.1	Sample Type												DUP
Aluminum, Total	µg/L			250	103	87	616	148	5000	44.9	453	18.2	104	33.1	37.1
Aluminum, Dissolved (Filtered)	µg/L			<180U	-	-	-	-	9.43J	<3.27U	42	<10U	25.3	5.48 J	4.94 J
Antimony, Total	µg/L	3		<12U	2.91	1.2J	1J	1.2J	3.39J	<0.42U	<4U	<4U	<4.00 U	<4.00 U	<4.00 U
Antimony, Dissolved (Filtered)	µg/L	3		<12U	-	-	-	-	1.23J	0.72J	<4U	<4U	<4.00 U	<4.00 U	<4.00 U
Arsenic, Total	µg/L	25		<8U	9.74	5.9	7.8	3.56	55.78	7.12	2.84	1.62	0.82	1.56	1.73
Arsenic, Dissolved (Filtered)	µg/L	25		<8U	-	-	-	-	23.96	9.13	2.22	2.07	0.37 J	0.99	1.03
Barium, Total	µg/L	1000		660	92.03	80.4	80.8	112.5	290.4	163.5	165.8	168.5	177.5	217.7	205.1
Barium, Dissolved (Filtered)	µg/L	1000		620	-	-	-	-	171.1	150	154.7	170.4	180.0	186.7	176.6
Beryllium, Total	µg/L	3		<4U	<0.5U	<0.5U	<0.2U	<0.1U	0.43J	<0.1U	<0.5U	<0.5U	<0.50 U	<0.50 U	<0.50 U
Beryllium, Dissolved (Filtered)	µg/L	3		<4U	-	-	-	-	<0.5U	<0.1U	<0.5U	<0.5U	<0.50 U	<0.50 U	<0.50 U
Cadmium, Total	µg/L	5		<4U	0.05J	0.1J	0.3	0.5	2.74	0.44	0.38	<0.2U	0.29	<0.20 U	<0.20 U
Cadmium, Dissolved (Filtered)	µg/L	5		<4U	-	-	-	-	<0.2U	<0.05U	<0.2U	<0.2U	<0.20 U	<0.20 U	<0.20 U
Calcium, Total	µg/L			520,000J	272,000	294,000	207,000	220,000	291,000	229,000	205,000	185,000	190,000	151,000	150,000
Calcium, Dissolved (Filtered)	µg/L			440,000J	-	-	-	-	243,000	204,000	194,000	195,000	222,000	174,000	167,000
Chromium, Total	µg/L	50		<50U	0.77J	2.8	2.2	0.81J	16.9	0.87J	1.67	<1U	1.09	0.40 J	0.43 J
Chromium, Dissolved (Filtered)	µg/L	50		<50U	-	-	-	-	0.35J	0.29J	<1U	<1U	0.37 J	0.46 J	0.42 J
Cobalt, Total	µg/L			<20U	0.36	0.49J	1.6	0.69	13.26	0.6	0.92	0.5	0.65	0.48 J	0.51
Cobalt, Dissolved (Filtered)	µg/L			<20U	-	-	-	-	0.61	0.6	0.58	0.51	0.44 J	0.47 J	0.47 J
Copper, Total	µg/L	200		<50U	1.12J	2.2	9.9	2.13	111.6	0.67J	3.35	<1U	1.21	1.07	1.21
Copper, Dissolved (Filtered)	µg/L	200		<50U	-	-	-	-	<1U	<0.38U	<1U	<1U	<1.00 U	0.40 J	<1.00 U
Iron, Total	µg/L	300		650	186	219	1290	336	16,400	541	846	83	289	416	486
Iron, Dissolved (Filtered)	µg/L	300		<280U	-	-	-	-	49.1J	89.4	<50U	<50U	35.0 J	42.0 J	48.1 J
Lead, Total	µg/L	25		9	3.12	3.5	25	5.51	288.8	2.24	11.26	<1U	4.34	1.52	1.75
Lead, Dissolved (Filtered)	µg/L	25		<4U	-	-	-	-	0.91J	<0.34U	<1U	<1U	<1.00 U	<1.00 U	<1.00 U
Magnesium, Total	µg/L	35000		8400J	6600	12,300	16,200	30,700	36,900	30,800	30,800	29,200	29,400	20,200	20,500
Magnesium, Dissolved (Filtered)	µg/L	35000		<2000UJ	-	-	-	-	27,200	31,200	29,700	38,200	32,600	26,500	25,000
Manganese, Total	µg/L	300		100	5.31	13	35.3	302.2	752.8	546.9	606.6	614.5	794.8	657.3	630.0
Manganese, Dissolved (Filtered)	µg/L	300		<40U	-	-	-	-	433.7	490.6	563.3	604.2	748.2	866.1	819.2
Mercury, Total	µg/L	0.7		<1U	<0.2U	<0.2U	<0.06U	<0.06U	0.4	<0.09U	<0.2U	<0.2U	<0.20 U	<0.20 U	<0.20 U
Mercury, Dissolved (Filtered)	µg/L	0.7		<1U	-	-	-	-	<0.2U	<0.09U	<0.2U	<0.2U	<0.20 U	<0.20 U	<0.20 U
Nickel, Total	µg/L	100		<50U	3.56	5.5	7.6	5.08	35.7	5.44	4.94	2.57	3.28	2.54	2.64
Nickel, Dissolved (Filtered)	µg/L	100		<50U	-	-	-	-	3.39	4.29	3.38	2.79	2.76	2.42	2.69
Potassium, Total	µg/L			64,000	70,700	77,800	74,200	53,200	52,000	52,400	47,900	45,800	42,500	33,900	33,400
Potassium, Dissolved (Filtered)	µg/L			65,000	-	-	-	-	40,300	46,900	46,400	48,500	57,800	44,400	41,000
Selenium, Total	µg/L	10		<40U	0.55J	<5U	<1U	<1.73U	1.97J	<1.73U	<5U	<5U	<5.00 U	<5.00 U	<5.00 U
Selenium, Dissolved (Filtered)	µg/L	10		<40U	-	-	-	-	<5U	<1.73U	<5U	<5U	<5.00 U	<5.00 U	<5.00 U
Silver, Total	µg/L	50		<20U	<0.4U	<0.4U	<0.1U	<0.16U	0.25J	<0.16U	<0.4U	<0.4U	<0.40 U	<0.40 U	<0.40 U
Silver, Dissolved (Filtered)	µg/L	50		<20U	-	-	-	-	<0.4U	<0.16U	<0.4U	<0.4U	<0.40 U	<0.40 U	<0.40 U
Sodium, Total	µg/L	20000		250,000J	303,000	339,000	387,000	331,000	382,000	486,000	437,000	469,000	569,000	597,000	590,000
Sodium, Dissolved (Filtered)	µg/L	20000		250,000J	-	-	-	-	457,000	436,000	436,000	481,000	389,000	594,000	593,000
Thallium, Total	µg/L	0.5		<10U	<0.5U	<0.5U	<0.1U	<0.14U	0.16J	<0.14U	<0.5U	<0.5U	<1.00 U	<1.00 U	<1.00 U
Thallium, Dissolved (Filtered)	µg/L	0.5		<10U	-	-	-	-	<0.5U	<0.14U	<0.5U	<0.5U	<1.00 U	<1.00 U	<1.00 U
Vanadium, Total	µg/L			<50U	0.92J	1.3J	3.3J	1.69J	21.8	1.67J	<5U	<5U	<5.00 U	<5.00 U	<5.00 U
Vanadium, Dissolved (Filtered)	µg/L			<50U	-	-	-	-	<5U	<1.57U	<5U	<5U	<5.00 U	<5.00 U	<5.00 U
Zinc, Total	µg/L	2000		<50U	13.78	31.8	60.7	30.16	760.7	9.33J	50.3	<10U	18.35	4.46 J	5.07 J
Zinc, Dissolved (Filtered)	µg/L	2000		<50U	-	-	-	-	3.52J	<3.41U	<10U	<10U	<10.00 U	<10.00 U	<10.00 U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

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Bold and highlighted results indicate an exceedance of standards



Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Date Sampled	Baseline	5/14/2014	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021	5/26/2022	5/11/2023
			Sample ID	MW-5	MW-5	Duplicate	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	12574234-052622-DTS-005	WG-12574234-051123-BP-003
Analyte	Units	TOGS 1.1.1	Sample Type			DUP									
Aluminum, Total	µg/L			<180U	2380	4070	589	242	8.24J	95.5	1960	21.2	64.2	9.93 J	64.5 J
Aluminum, Dissolved (Filtered)	µg/L			<180U	-	-	-	-	-	3.75J	3.29J	<10U	<10U	4.72 J	<200 U
Antimony, Total	µg/L	3		<12U	3.01	4.21	0.9J	1.5J	3.31J	3.89J	3.97J	<4U	<4U	<4.00 U	<40.00 U
Antimony, Dissolved (Filtered)	µg/L	3		<12U	-	-	-	-	-	1.75J	3.54J	<4U	<4U	0.86 J	<80.00 U
Arsenic, Total	µg/L	25		25	11.91	19.91	3	3.7	7.57	4.06	21.22	1.98	1.58	1.43	3.75 J
Arsenic, Dissolved (Filtered)	µg/L	25		10	-	-	-	-	-	0.98	1.58	1.32	1.07	1.70	<10.00 U
Barium, Total	µg/L	1000		56	126.4	167.5	125.7	129.2	68.44	80.6	183.8	79.67	74.9	130.2	112.3
Barium, Dissolved (Filtered)	µg/L	1000		54	-	-	-	-	-	82.71	97.95	76.76	67.42	128.6	111.9
Beryllium, Total	µg/L	3		<4U	0.12J	0.21J	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U	<0.5U	<0.50 U	<5.00 U
Beryllium, Dissolved (Filtered)	µg/L	3		<4U	-	-	-	-	-	<0.5U	<0.1U	<0.5U	<0.5U	<0.50 U	<10.00 U
Cadmium, Total	µg/L	5		<4U	1.56	2.45	0.5	0.2J	<0.05U	0.16J	3.94	<0.2U	<0.2U	0.13 J	<2.00 U
Cadmium, Dissolved (Filtered)	µg/L	5		<4U	-	-	-	-	-	<0.2U	0.08J	<0.2U	<0.2U	<0.20 U	<4.00 U
Calcium, Total	µg/L			210,000J	243,000	240,000	228,000	224,000	197,000	259,000	268,000	150,000	160,000	219,000	194,000
Calcium, Dissolved (Filtered)	µg/L			220,000J	-	-	-	-	-	249,000	194,000	158,000	166,000	271,000	221,000
Chromium, Total	µg/L	50		<50U	8.36	14.57	3.6	1.7J	4.89	0.79J	9.91	<1U	<1U	0.41 J	<10.00 U
Chromium, Dissolved (Filtered)	µg/L	50		<50U	-	-	-	-	-	<1U	<0.17U	<1U	<1U	<1.00 U	<20.00 U
Cobalt, Total	µg/L			<20U	3.84	6.66	2.4	1	1.08	0.96	7.43	0.56	0.71	0.43 J	<5.00 U
Cobalt, Dissolved (Filtered)	µg/L			<20U	-	-	-	-	-	0.73	1.55	0.69	0.71	0.45 J	<10.00 U
Copper, Total	µg/L	200		<50U	49.9	88.29	13.2	<0.3U	0.51J	3.69	78.3	1.49	1.7	0.45 J	<10.00 U
Copper, Dissolved (Filtered)	µg/L	200		<50U	-	-	-	-	-	0.9J	0.71J	<1U	<1U	<1.00 U	<20.00 U
Iron, Total	µg/L	300		4000	16,400	30,600	4070	5740	3010	3300	6570	1850	1200	1,450	2,180
Iron, Dissolved (Filtered)	µg/L	300		370	-	-	-	-	-	35J	168	<50U	<50U	176	905 J
Lead, Total	µg/L	25		6	244.8	375.6	90.4	46	<1.71U	15.02	409.6	3.41	8.11	0.80 J	<10.00 U
Lead, Dissolved (Filtered)	µg/L	25		4	-	-	-	-	-	<1U	2.71	<1U	<1U	<1.00 U	<20.00 U
Magnesium, Total	µg/L	35000		120,000J	147,000	137,000	156,000	306,000	174,000	170,000	214,000	180,000	133,000	211,000	231,000
Magnesium, Dissolved (Filtered)	µg/L	35000		120,000J	-	-	-	-	-	160,000	216,000	200,000	136,000	231,000	254,000
Manganese, Total	µg/L	300		950	1020	1016	1060	768.1	449.9	531	508.6	268	225.4	464.6	346.8
Manganese, Dissolved (Filtered)	µg/L	300		970	-	-	-	-	-	511.1	415.8	269	215.3	393.5	410.3
Mercury, Total	µg/L	0.7		<1U	6.02	12.5	0.93	0.29	<0.06U	<0.2U	3.18	<0.2U	<0.2U	0.11 J	<0.20 U
Mercury, Dissolved (Filtered)	µg/L	0.7		<1U	-	-	-	-	-	<0.2U	<0.09U	<0.2U	<0.2U	<0.20 U	<0.20 U
Nickel, Total	µg/L	100		<50U	26.93	45.52	14	6.8	11.62	8.52	46.22	3.85	4.44	3.04	<20.00 U
Nickel, Dissolved (Filtered)	µg/L	100		<50U	-	-	-	-	-	5.02	10.96	3.96	5.1	2.91	<40.00 U
Potassium, Total	µg/L			73,000	75,300	70,000	72,500	115,000	84,000	91,400	106,000	78,900	64,900	68,700	90,700
Potassium, Dissolved (Filtered)	µg/L			77,000	-	-	-	-	-	89,000	79,800	79,300	71,800	112,000	106,000
Selenium, Total	µg/L	10		<40U	0.77J	1.18J	<5U	<1U	<1.73U	<5U	<1.73U	<5U	<5U	<5.00 U	<50.0 U
Selenium, Dissolved (Filtered)	µg/L	10		<40U	-	-	-	-	-	<5U	<1.73U	<5U	<5U	<5.00 U	<100 U
Silver, Total	µg/L	50		<20U	0.17J	0.33J	<0.4U	<0.1U	<0.16U	<0.4U	0.3J	<0.4U	<0.4U	<0.40 U	<4.00 U
Silver, Dissolved (Filtered)	µg/L	50		<20U	-	-	-	-	-	<0.4U	<0.16U	<0.4U	<0.4U	<0.40 U	<8.00 U
Sodium, Total	µg/L	20000		740,000J	1,140,000	1,130,000	1,030,000	3,020,000	1,800,000	1,470,000	2,210,000	1,800,000	1,350,000	2,090,000	2,130,000
Sodium, Dissolved (Filtered)	µg/L	20000		760,000J	-	-	-	-	-	1,540,000	1,980,000	1,980,000	1,320,000	2,330,000	2,360,000
Thallium, Total	µg/L	0.5		<10U	0.06J	0.11J	<0.5U	0.1J	<0.71U	<0.5U	0.16J	<0.5U	<0.5U	<1.00 U	<10.00 U
Thallium, Dissolved (Filtered)	µg/L	0.5		<10U	-	-	-	-	-	<0.5U	0.18J	<0.5U	<0.5U	0.19 J	<20.00 U
Vanadium, Total	µg/L			<50U	12.03	22.13	4.2J	2J	<1.57U	<5U	15.84	<5U	<5U	<5.00 U	<50.00 U
Vanadium, Dissolved (Filtered)	µg/L			<50U	-	-	-	-	-	<5U	<1.57U	<5U	<5U	<5.00 U	<100.0 U
Zinc, Total	µg/L	2000		<50U	736.6	1320	223.7	29.6	15.6	36.68	543.9	10.24	11.14	14.25	<100.0 U
Zinc, Dissolved (Filtered)	µg/L	2000		<50U	-	-	-	-	-	7.43J	54.04	<10U	<10U	<10.00 U	<200.0 U

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Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021	5/26/2022	5/11/2023
			Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	12574234-052622-BP-008	WG-12574234-051123-BP-005
Analyte	Units	TOGS 1.1.1	Sample Type											
Aluminum, Total	µg/L			<180U	137	330	191	449	1230	488	38,000	403	19.6	13.2
Aluminum, Dissolved (Filtered)	µg/L			<180U	-	-	-	-	9.72J	<6.54U	24.2	<10U	7.23 J	5.89 J
Antimony, Total	µg/L	3		<12U	3.09	1.4J	1.1J	1.95J	4.92	1.89J	37.71	<4U	<4.00 U	<4.00 U
Antimony, Dissolved (Filtered)	µg/L	3		<12U	-	-	-	-	3.82J	3.64J	<4U	<4U	<4.00 U	0.52 J
Arsenic, Total	µg/L	25		14	7.55	3.2	4.5	14.06	10.44	4.96	167.7	6.97	6.53	4.20
Arsenic, Dissolved (Filtered)	µg/L	25		10	-	-	-	-	5.05	5.97	9.38	4.27	6.78	4.99
Barium, Total	µg/L	1000		140	104.8	156	166.5	145.5	217.1	174	898.7	127.9	123.2	239.0
Barium, Dissolved (Filtered)	µg/L	1000		130	-	-	-	-	159.1	114.8	94.96	103.3	111.8	204.3
Beryllium, Total	µg/L	3		<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U	2.85	<0.5U	<0.50 U	<0.50 U
Beryllium, Dissolved (Filtered)	µg/L	3		<4U	-	-	-	-	<0.5U	<0.21U	<0.5U	<0.5U	<0.50 U	<0.50 U
Cadmium, Total	µg/L	5		<4U	0.93	0.2	0.8	1.45	0.59	0.21	7.26	<0.2U	<0.20 U	<0.20 U
Cadmium, Dissolved (Filtered)	µg/L	5		<4U	-	-	-	-	<0.2U	<0.11U	<0.2U	<0.2U	<0.20 U	<0.20 U
Calcium, Total	µg/L			360,000J	292,000	285,000	280,000	286,000	340,000	287,000	445,000	200,000	235,000	194,000
Calcium, Dissolved (Filtered)	µg/L			340,000J	-	-	-	-	363,000	262,000	240,000	208,000	206,000	230,000
Chromium, Total	µg/L	50		<50U	3.97	2.1	1.2J	3.44	3.75	2.38	85.98	1.01	0.36 J	0.28 J
Chromium, Dissolved (Filtered)	µg/L	50		<50U	-	-	-	-	0.43J	<0.35U	<1U	<1U	<1.00 U	0.26 J
Cobalt, Total	µg/L			<20U	4.53	1.3	1.4	2.15	2.92	1.27	41.8	1.49	0.90	0.94
Cobalt, Dissolved (Filtered)	µg/L			<20U	-	-	-	-	1.25	1.22	1.75	0.98	0.83	0.95
Copper, Total	µg/L	200		<50U	3.64	4.9	7.1	11.45	28.28	8.84	656.4	7.2	<1.00 U	<1.00 U
Copper, Dissolved (Filtered)	µg/L	200		<50U	-	-	-	-	1.98	<0.76U	1.67	<1U	<1.00 U	<1.00 U
Iron, Total	µg/L	300		650	5820	1270	1870	5550	6000	2260	112,000	3040	1,540	1,080
Iron, Dissolved (Filtered)	µg/L	300		370	-	-	-	-	79.9	138	138	50.7	44.9 J	55.4
Lead, Total	µg/L	25		10	9.28	17.4	15.1	25.67	92.14	38.15	2312	22.46	1.29	0.91 J
Lead, Dissolved (Filtered)	µg/L	25		5	-	-	-	-	0.76J	<0.68U	3.5	<1U	<1.00 U	<1.00 U
Magnesium, Total	µg/L	35000		47,000J	46,300	52,500	57,400	40,000	49,000	40,200	50,300	34,300	35,000	29,300
Magnesium, Dissolved (Filtered)	µg/L	35000		46,000J	-	-	-	-	43,000	39,600	34,200	38,700	39,300	39,800
Manganese, Total	µg/L	300		640	1526	757.3	952.6	1118	1165	729.6	2856	565.6	707.8	682.7
Manganese, Dissolved (Filtered)	µg/L	300		630	-	-	-	-	1155	868.6	656.7	515.3	621.9	843.9
Mercury, Total	µg/L	0.7		<1U	<0.2U	<0.2U	<0.06U	<0.06U	<0.2U	<0.09U	4.31	<0.2U	0.09 J	<0.20 U
Mercury, Dissolved (Filtered)	µg/L	0.7		<1U	-	-	-	-	<0.2U	<0.09U	<0.2U	<0.2U	<0.20 U	<0.20 U
Nickel, Total	µg/L	100		<50U	22.81	8	9.4	11.82	11.23	5.71	140.7	6.82	4.47	4.53
Nickel, Dissolved (Filtered)	µg/L	100		<50U	-	-	-	-	6.44	6.6	10.23	4.88	3.59	4.30
Potassium, Total	µg/L			66,000	61,100	54,200	60,800	49,900	61,000	63,300	62,400	50,600	44,200	42,400
Potassium, Dissolved (Filtered)	µg/L			65,000	-	-	-	-	49,400	53,800	53,800	52,700	58,400	52,600
Selenium, Total	µg/L	10		<40U	0.51J	<5U	<1U	<1.73U	<5U	<1.73U	<25U	<25U	<5.00 U	<5.00 U
Selenium, Dissolved (Filtered)	µg/L	10		<40U	-	-	-	-	<5U	<3.46U	<5U	<5U	<5.00 U	<5.00 U
Silver, Total	µg/L	50		<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	<0.16U	<2U	<2U	<0.40 U	<0.40 U
Silver, Dissolved (Filtered)	µg/L	50		<20U	-	-	-	-	<0.4U	<0.32U	<0.4U	<0.4U	<0.40 U	<0.40 U
Sodium, Total	µg/L	20000		410,000J	385,000	393,000	470,000	408,000	490,000	593,000	506,000	470,000	546,000	538,000
Sodium, Dissolved (Filtered)	µg/L	20000		400,000J	-	-	-	-	617,000	504,000	440,000	473,000	615,000	557,000
Thallium, Total	µg/L	0.5		<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U	<2.5U	<2.5U	<1.00 U	<1.00 U
Thallium, Dissolved (Filtered)	µg/L	0.5		<10U	-	-	-	-	0.23J	<0.28U	<0.5U	<0.5U	<1.00 U	<1.00 U
Vanadium, Total	µg/L			<50U	2.66J	3.1J	2J	4.95J	6.45	3.53J	155.1	<5U	<5.00 U	<5.00 U
Vanadium, Dissolved (Filtered)	µg/L			<50U	-	-	-	-	<5U	<3.14U	<5U	<5U	<5.00 U	<5.00 U
Zinc, Total	µg/L	2000		<50U	819.6	121.7	98.3	177	157.5	40.84	3089	33.57	9.51 J	6.24 J
Zinc, Dissolved (Filtered)	µg/L	2000		<50U	-	-	-	-	13.14	15.95J	33.09	<10U	<10.00 U	<10.00 U

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Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

Bold and highlighted results indicate an exceedance of standards



Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020	5/27/2021	5/25/2022	5/11/2023
			Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	12574234-052522-DTS-001	WG-12574234-051123-BP-008
Analyte	Units	TOGS 1.1.1	Sample Type											
Aluminum, Total	µg/L			220	230	39	2310	9.3J	15.1	1090	533	15	104	18.5
Aluminum, Dissolved (Filtered)	µg/L			<180U	3.95J	-	3J	<16.4U	4.28J	<3.27U	17.9	<10U	3.48 J	<10.0 U
Antimony, Total	µg/L	3		<12U	0.5J	0.7J	0.4J	<0.42U	<4U	<0.42U	<4U	<4U	<4.00 U	<4.00 U
Antimony, Dissolved (Filtered)	µg/L	3		<12U	0.19J	-	0.6J	<2.14U	<4U	0.79J	<4U	<4U	0.50 J	<4.00 U
Arsenic, Total	µg/L	25		<8U	0.39J	0.7	0.8	0.33J	<0.5U	3.26	0.56	<0.5U	0.32 J	0.30 J
Arsenic, Dissolved (Filtered)	µg/L	25		<8U	0.89	-	<0.1U	<0.82U	<0.5U	<0.16U	<0.5U	<0.5U	<0.50 U	<0.50 U
Barium, Total	µg/L	1000		270	376.1	464.6	707.2	1023	803.5	815.1	479.4	383.9	335.5	289.8
Barium, Dissolved (Filtered)	µg/L	1000		200	366.9	-	658.2	910.4	694.3	359	383.3	334	304.9	231.0
Beryllium, Total	µg/L	3		<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U	<0.5U	<0.50 U	<0.50 U
Beryllium, Dissolved (Filtered)	µg/L	3		<4U	<0.5U	-	<0.2U	<0.53U	<0.5U	<0.1U	<0.5U	<0.5U	<0.50 U	<0.50 U
Cadmium, Total	µg/L	5		<4U	0.65	<0.2U	1.1	0.27	0.28	4.72	0.27	<0.2U	0.27	0.38
Cadmium, Dissolved (Filtered)	µg/L	5		<4U	<0.2U	-	<0.1U	<0.29U	0.09J	0.97	<0.2U	<0.2U	0.07 J	<0.20 U
Calcium, Total	µg/L			150,000	221,000	280,000	302,000	466,000	445,000	280,000	256,000	202,000	203,000	154,000
Calcium, Dissolved (Filtered)	µg/L			160,000	217,000	-	358,000	455,000	419,000	243,000	243,000	199,000	219,000	164,000
Chromium, Total	µg/L	50		<50U	1.29	2.4	7	1.26	<1U	5.17	1.96	<1U	0.94 J	0.18 J
Chromium, Dissolved (Filtered)	µg/L	50		<50U	1.56	-	1.6J	<0.89U	<1U	<0.17U	<1U	<1U	<1.00 U	<1.00 U
Cobalt, Total	µg/L			<20U	0.21	0.2J	1.5	0.17J	<0.5U	1.21	<0.5U	<0.5U	0.17 J	<0.50 U
Cobalt, Dissolved (Filtered)	µg/L			<20U	0.33J	-	<0.1U	<0.81U	<0.5U	0.29J	<0.5U	<0.5U	<0.50 U	<0.50 U
Copper, Total	µg/L	200		<50U	1.36J	1.9J	<0.3U	0.5J	<1U	10.64	2.1	<1U	0.78 J	0.53 J
Copper, Dissolved (Filtered)	µg/L	200		<50U	0.68J	-	<0.3U	<1.92U	1.1	0.4J	1.52	<1U	0.47 J	0.51 J
Iron, Total	µg/L	300		13,000	25,800	29,700	54,300	36,600	17,500	117,000	18,600	12,000	8,900	5,130
Iron, Dissolved (Filtered)	µg/L	300		1200	19,400	-	26,500	19,200	43J	101	55.3	3930	410	164
Lead, Total	µg/L	25		7.8	2.72	0.9J	11.7	<1.71U	<1U	15.6	2.78	<1U	0.75 J	0.39 J
Lead, Dissolved (Filtered)	µg/L	25		<4U	<1U	-	<0.1U	<1.71U	<1U	<0.34U	<1U	<1U	<1.00 U	<1.00 U
Magnesium, Total	µg/L	35000		7700	10,000	17,400	17,300	23,300	27,700	19,100	16,800	14,600	14,100	9,230
Magnesium, Dissolved (Filtered)	µg/L	35000		8200	11,600	-	17,900	24,300	24,900	18,000	16,300	13,800	14,500	10,700
Manganese, Total	µg/L	300		780	1180	1368	1654	1559	901.3	577.7	627.7	505.4	372.0	203.0
Manganese, Dissolved (Filtered)	µg/L	300		810	971.8	-	1939	1551	744.6	361.7	522.6	582.4	351.9	295.3
Mercury, Total	µg/L	0.7		<1U	<0.2U	<0.2U	<0.06U	<0.06U	<0.2U	<0.09U	<0.2U	<0.2U	0.11 J	<0.20 U
Mercury, Dissolved (Filtered)	µg/L	0.7		<1U	<0.2U	-	<0.06U	<0.06U	<0.2U	<0.09U	<0.2U	<0.2U	<0.20 U	<0.20 U
Nickel, Total	µg/L	100		<50U	0.93	1.9	5.1	1.98J	<2U	3.13	4.31	<2U	1.68 J	1.36 J
Nickel, Dissolved (Filtered)	µg/L	100		<50U	3.29	-	5	<2.78U	1.44J	1J	<2U	<2U	1.02 J	1.18 J
Potassium, Total	µg/L			18,000	15,900	22,600	26,100	32,700	31,600	24,400	25,100	21,700	19,800	14,900
Potassium, Dissolved (Filtered)	µg/L			19,000	17,800	-	25,500	33,600	29,500	21,200	23,300	22,000	22,900	17,900
Selenium, Total	µg/L	10		<40U	<5U	<5U	<1U	<1.73U	<5U	<1.73U	<5U	<5U	<5.00 U	<5.00 U
Selenium, Dissolved (Filtered)	µg/L	10		<40U	1.08J	-	<1U	<8.65U	<5U	<1.73U	<5U	<5U	<5.00 U	<5.00 U
Silver, Total	µg/L	50		<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	<0.16U	<0.4U	<0.4U	<0.40 U	<0.40 U
Silver, Dissolved (Filtered)	µg/L	50		<20U	<0.4U	-	<0.1U	<0.81U	<0.4U	<0.16U	<0.4U	<0.4U	<0.40 U	<0.40 U
Sodium, Total	µg/L	20000		420,000J	504,000	519,000	731,000	1,350,000	1,020,000	568,000	673,000	663,000	587,000	521,000
Sodium, Dissolved (Filtered)	µg/L	20000		450,000J	500,000	-	866,000	1,320,000	1,060,000	558,000	666,000	684,000	688,000	510,000
Thallium, Total	µg/L	0.5		<10U	<0.5U	<0.5U	<0.1U	<0.71U	<0.5U	<0.14U	<0.5U	<0.5U	0.24 J	<1.00 U
Thallium, Dissolved (Filtered)	µg/L	0.5		<10U	<0.5U	-	<0.1U	<0.71U	<0.5U	<0.14U	<0.5U	<0.5U	<1.00 U	<1.00 U
Vanadium, Total	µg/L			<50U	2.15J	<5U	8.3	<1.57U	<5U	7.25	<5U	<5U	<5.00 U	<5.00 U
Vanadium, Dissolved (Filtered)	µg/L			<50U	0.48J	-	<0.6U	<7.85U	<5U	<1.57U	<5U	<5U	<5.00 U	<5.00 U
Zinc, Total	µg/L	2000		<50U	6.77J	30	8.2J	<3.41U	<10U	60.33	<10U	<10U	12.36	<10.00 U
Zinc, Dissolved (Filtered)	µg/L	2000		<50U	3.82J	-	<2.6U	<17.05U	3.79J	15.21	<10U	<10U	<10.00 U	<10.00 U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

			Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
				Baseline	5/14/2014	6/4/2015	5/26/2016	5/26/2016	5/22/2017	5/22/2017	5/30/2018
Method Name	VOCs		Sample ID	MW-1	MW-1	MW-1	MW-1	Duplicate	MW-1	Duplicate	MW-1
Analyte	Units	TOGS 1.1.1	Sample Type					DUP		DUP	
1,1,1-trichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
1,1,2,2-tetrachloroethane	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.17U	<0.17U	<0.5U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	<2.5U	-	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
1,1,2-trichloroethane	µg/L	1		<1U	<1.5U	<1.5U	<0.5U	<0.5U	<0.5U	<0.5U	<1.5U
1,1-dichloroethane	µg/L	5		<1U	<2.5U	0.81J	<0.7U	<0.7U	<0.7U	0.7J	<2.5U
1,1-dichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.17U	<0.17U	<0.5U
1,2,3-trichlorobenzene	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
1,2,4-trichlorobenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
1,2-dibromoethane	µg/L	5		<1U	<2U	<2U	<0.65U	<0.65U	<0.65U	<0.65U	<2U
1,2-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.13U	<0.13U	<0.5U
1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<0.13U	<0.13U	<0.14U	<0.14U	<1U
1,3-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
1,4-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
1,4-dioxane	µg/L			-	<250U	<250U	<41U	<41U	<61U	<61U	<250U
2-butanone	µg/L	50		<1U	<5U	<5U	<1.9U	<1.9U	<1.9U	<1.9U	<5U
2-hexanone	µg/L	50		<1U	<5U	<5U	<1U	<1U	<1U	<1U	<5U
4-methyl-2-pentanone	µg/L			<1U	<5U	<5U	<1U	<1U	<1U	<1U	<5U
Acetone	µg/L	50		<10U	2.7J	<5U	<1.5U	<1.5U	4.8J	<1.5U	<5U
Benzene	µg/L	1		<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.16U	<0.16U	<0.5U
Bromochloromethane	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
Bromodichloromethane	µg/L	5		<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.19U	<0.19U	<0.5U
Bromoform	µg/L	50		<1UJ	<2U	<2U	<0.65U	<0.65U	<0.65U	<0.65U	<2U
Bromomethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
Carbon disulfide	µg/L	60		<1U	<5U	<5U	<1U	<1U	<1U	<1U	<5U
Carbon tetrachloride	µg/L	5		<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.13U	<0.13U	<0.5U
Chlorobenzene	µg/L	5		1	0.72J	0.81J	0.77J	0.86J	0.71J	<0.7U	<2.5U
Chloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
Chloroform	µg/L	7		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
Chloromethane	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
cis-1,2-dichloroethene	µg/L	5		<1U	2.1J	2.7	1.5J	1.7J	80	66	17
cis-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.14U	<0.14U	<0.5U
Cyclohexane	µg/L			<1U	<10U	-	<0.27U	<0.27U	<0.27U	<0.27U	<10U
Dibromochloromethane	µg/L	50		<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.15U	<0.15U	<0.5U
Dichlorodifluoromethane	µg/L	5		<1U	<5U	<5U	<1U	<1U	<1U	<1U	<5U
Ethylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
Isopropylbenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
Methyl acetate	µg/L			-	<2U	-	<0.23U	<0.23U	<0.23U	<0.23U	<2U
Methyl cyclohexane	µg/L			<1U	<10U	-	<0.4U	<0.4U	<0.4U	<0.4U	<10U
Methyl tert butyl ether	µg/L	10		1.5	4.6	21	5	5.5	7	4.8	66
Methylene chloride	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
o-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
p/m-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
Styrene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
Tetrachloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.18U	<0.18U	<0.5U
Toluene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
trans-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
trans-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.16U	<0.16U	<0.5U
Trichloroethene	µg/L	5		<1UJ	0.17J	<0.5U	<0.18U	<0.18U	<0.18U	<0.18U	<0.5U
Trichlorofluoromethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5U
Vinyl chloride	µg/L	2		0.4	5.8	24	9.9	6.8	92	100	53

Bold and highlighted cells indicate the analyte exceeds the Class GA water quality

(-) Indicates that no sample was collected

J - Estimated Value

U - Analyzed for but not detected

< - Analyzed for but not detected above reported laboratory detection limit

Class GA water quality standards and guidance values taken from the NYSDEC Division of

Relative Percent Difference (RPD) comparing the Duplicate results to the Parent Sample results from the same well were calculated for QA/QC purposes

$$RPD = \frac{2(\text{Sample Value} - \text{Duplicate Sample Value})}{(\text{Sample Value} + \text{Duplicate Sample Value})}$$

Where one sample result was non-detect, the laboratory method detection limit for that analyte was used in the RPD calculation

Thick outlined and highlighted cells indicate an RPD outside of the recommended 20% range

(-) - Indicates no RPD calculated because parent sample and duplicate sample both had non-



Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Date Sampled	5/30/2018	5/30/2019	7/20/2020	5/27/2021	5/26/2022	5/11/2023
Method Name	VOCs		Sample ID	Duplicate	MW-1	MW-1	MW-1	12574234-052622-BP-004	WG-12574234-051123-BP-006
Analyte	Units	TOGS 1.1.1	Sample Type	DUP					
1,1,1-trichloroethane	µg/L	5		<2.5U	<0.7U	<0.33U	<0.33U	<2.5 U	<2.5 U
1,1,2,2-tetrachloroethane	µg/L	5		<0.5U	<0.17U	<0.46U	<0.46U	<0.50 U	<0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			<2.5U	<0.7U	<0.2U	<0.2U	<2.5 U	<2.5 U
1,1,2-trichloroethane	µg/L	1		<1.5U	<0.5U	<0.35U	<0.35U	<1.5 U	<1.5 U
1,1-dichloroethane	µg/L	5		<2.5U	<0.7U	<0.36U	<0.36U	<2.5 U	<2.5 U
1,1-dichloroethene	µg/L	5		<0.5U	<0.17U	<0.34U	<0.34U	<0.50 U	<0.50 U
1,2,3-trichlorobenzene	µg/L			<2.5U	<0.7U	<0.74U	<0.74U	<2.5 U	<2.5 U
1,2,4-trichlorobenzene	µg/L	5		<2.5U	<0.7U	<0.7U	<0.7U	<2.5 U	<2.5 U
1,2-dibromo-3-chloropropane	µg/L	0.04		<2.5U	<0.7U	<0.51U	<0.51U	<2.5 U	<2.5 U
1,2-dibromoethane	µg/L	5		<2U	<0.65J	<0.34U	<0.34U	<2.0 U	<2.0 U
1,2-dichlorobenzene	µg/L			<2.5U	<0.7U	<0.48U	<0.48U	<2.5 U	<2.5 U
1,2-dichloroethane	µg/L	0.6		<0.5U	0.14J	<0.26U	<0.26U	<0.50 U	<0.50 U
1,2-dichloropropane	µg/L	1		<1U	<0.14U	<0.36U	<0.36U	<1.0 U	<1.0 U
1,3-dichlorobenzene	µg/L			<2.5U	<0.7U	<0.5U	<0.5U	<2.5 U	<2.5 U
1,4-dichlorobenzene	µg/L			<2.5U	<0.7U	<0.49U	<0.49U	<2.5 U	<2.5 U
1,4-dioxane	µg/L			<250U	<61U	<7.43U	<7.43U	<250 U	<250 U
2-butanone	µg/L	50		<5U	<1.9U	<0.58U	<0.58U	<5.0 U	<5.0 U
2-hexanone	µg/L	50		<5U	<1U	<0.69U	<0.69U	<5.0 U	<5.0 U
4-methyl-2-pentanone	µg/L			<5U	<1U	<0.35U	<0.35U	<5.0 U	<5.0 U
Acetone	µg/L	50		<5U	2.1J	<0.9U	<0.9U	<5.0 U	<5.0 U
Benzene	µg/L	1		<0.5U	<0.16U	<0.25U	<0.25U	<0.50 U	<0.50 U
Bromochloromethane	µg/L			<2.5U	<0.7U	<0.39U	<0.39U	<2.5 U	<2.5 U
Bromodichloromethane	µg/L	5		<0.5U	<0.19U	<0.33U	<0.33U	<0.50 U	<0.50 U
Bromoform	µg/L	50		<2U	<0.65U	<0.45U	<0.45U	<2.0 U	<2.0 U
Bromomethane	µg/L	5		<2.5U	<0.7U	<0.63U	<0.63U	<2.5 U	<2.5 U
Carbon disulfide	µg/L	60		<5U	<1U	<0.44U	<0.44U	<5.0 U	<5.0 U
Carbon tetrachloride	µg/L	5		<0.5U	<0.13U	<0.25U	<0.25U	<0.50 U	<0.50 U
Chlorobenzene	µg/L	5		<2.5U	<0.7U	<0.42U	<0.42U	<2.5 U	<2.5 U
Chloroethane	µg/L	5		<2.5U	<0.7U	<0.4U	<0.4U	<2.5 U	<2.5 U
Chloroform	µg/L	7		<2.5U	<0.7U	<0.3U	<0.3U	<2.5 U	<2.5 U
Chloromethane	µg/L			<2.5U	<0.7U	<0.48U	<0.48U	<2.5 U	<2.5 U
cis-1,2-dichloroethene	µg/L	5		23	5	1.1	9.8	<2.5 U	<2.5 U
cis-1,3-dichloropropene	µg/L	0.4		<0.5U	<0.14U	<0.3U	<0.3U	<0.50 U	<0.50 U
Cyclohexane	µg/L			<10U	<0.27U	<0.44U	<0.44U	<10 U	<10 U
Dibromochloromethane	µg/L	50		<0.5U	<0.15U	<0.33U	<0.33U	<0.50 U	<0.50 U
Dichlorodifluoromethane	µg/L	5		<5U	<1U	<0.39U	<0.39U	<5.0 U	<5.0 U
Ethylbenzene	µg/L	5		<2.5U	<0.7U	<0.36U	<0.36U	<2.5 U	<2.5 U
Isopropylbenzene	µg/L	5		<2.5U	<0.7U	<0.38U	<0.38U	<2.5 U	<2.5 U
Methyl acetate	µg/L			<2U	<0.23U	<5.14U	<5.14U	<2.0 U	<2.0 U
Methyl cyclohexane	µg/L			<10U	<0.4U	<0.39U	<0.39U	<10 U	<10 U
Methyl tert butyl ether	µg/L	10		83	22	44	51	12	7.0
Methylene chloride	µg/L	5		<2.5U	<0.7U	<0.54U	<0.54U	<2.5 U	<2.5 U
o-xylene	µg/L	5		<2.5U	<0.7U	<0.43U	<0.43U	<2.5 U	<2.5 U
p/m-xylene	µg/L	5		<2.5U	<0.7U	<0.78U	<0.78U	<2.5 U	<2.5 U
Styrene	µg/L	5		<2.5U	<0.7U	<0.42U	<0.42U	<2.5 U	<2.5 U
Tetrachloroethene	µg/L	5		<0.5U	<0.18U	<0.36U	<0.36U	<0.50 U	<0.50 U
Toluene	µg/L	5		<2.5U	<0.7U	<0.28U	<0.28U	<2.5 U	<2.5 U
trans-1,2-dichloroethene	µg/L	5		<2.5U	<0.7U	<0.19U	<0.19U	<2.5 U	<2.5 U
trans-1,3-dichloropropene	µg/L	0.4		<0.5U	<0.16U	<0.37U	<0.37U	<0.50 U	<0.50 U
Trichloroethene	µg/L	5		<0.5U	<0.18U	<0.36U	<0.36U	<0.50 U	<0.50 U
Trichlorofluoromethane	µg/L	5		<2.5U	<0.7U	<0.23U	<0.23U	<2.5 U	<2.5 U
Vinyl chloride	µg/L	2		37	61	9.44	22	7.3	1.5

Bold and highlighted cells indicate the analyte exceeds the Class GA water quality

(-) Indicates that no sample was collected

J - Estimated Value

U - Analyzed for but not detected

< - Analyzed for but not detected above reported laboratory detection limit

Class GA water quality standards and guidance values taken from the NYSDEC Division of

Relative Percent Difference (RPD) comparing the Duplicate results to the Parent Sample results from the same well were calculated for QA/QC purposes

$$RPD = \frac{2(\text{Sample Value} - \text{Duplicate Sample Value})}{(\text{Sample Value} + \text{Duplicate Sample Value})}$$

Where one sample result was non-detect, the laboratory method detection limit for that analyte was used in the RPD calculation

Thick outlined and highlighted cells indicate an RPD outside of the recommended 20% range

(-) - Indicates no RPD calculated because parent sample and duplicate sample both had non-



Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
			Date Sampled	Baseline	Baseline	5/14/2014	6/4/2015	6/4/2015	5/26/2016	5/22/2017	5/30/2018
Method Name	VOCs		Sample ID	MW-2R	Duplicate	MW-2R	MW-2R	Duplicate	MW-2R	MW-2R	MW-2R
Analyte	Units	TOGS 1.1.1	Sample Type		DUP			DUP			
1,1,1-trichloroethane	µg/L	5		<1U	<1UJ	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,1,2,2-tetrachloroethane	µg/L	5		<1U	<1UJ	<0.5U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	-	<2.5U	-	-	<0.7U	<0.7U	<2.5U
1,1,2-trichloroethane	µg/L	1		<1U	<1U	<1.5U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U
1,1-dichloroethane	µg/L	5		<1U	<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,1-dichloroethene	µg/L	5		<1U	<1U	<0.5U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U
1,2,3-trichlorobenzene	µg/L			-	-	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2,4-trichlorobenzene	µg/L	5		<1UJ	<1UJ	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<1UJ	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dibromoethane	µg/L	5		<1U	<1U	<2U	<2U	<2U	<0.65U	<0.65U	<2U
1,2-dichlorobenzene	µg/L			<1UJ	<1UJ	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U
1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<1U	<1U	<0.13U	<0.14U	<1U
1,3-dichlorobenzene	µg/L			<1U	<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,4-dichlorobenzene	µg/L			<1UJ	<1UJ	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
1,4-dioxane	µg/L			-	-	<250U	<250U	<250U	<41U	<61U	<250U
2-butanone	µg/L	50		<1U	<1U	<5U	<5U	<5U	<1.9U	<1.9U	<5U
2-hexanone	µg/L	50		<1U	<1U	<5U	<5U	<5U	<1U	<1U	<5U
4-methyl-2-pentanone	µg/L			<1U	<1U	<5U	<5U	<5U	<1U	<1U	<5U
Acetone	µg/L	50		<10U	<10U	2.3J	<5U	<5U	<1.5U	<1.5U	<5U
Benzene	µg/L	1		<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U
Bromochloromethane	µg/L			-	-	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Bromodichloromethane	µg/L	5		<1U	<1U	<0.5U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U
Bromoform	µg/L	50		<1UJ	<1U	<2U	<2U	<2U	<0.65U	<0.65U	<2U
Bromomethane	µg/L	5		<1U	<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Carbon disulfide	µg/L	60		<1U	<1U	<5U	2.2J	<5U	<1U	<1U	<5U
Carbon tetrachloride	µg/L	5		<1U	<1U	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U
Chlorobenzene	µg/L	5		1	<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloroethane	µg/L	5		<1U	<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloroform	µg/L	7		<1U	<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Chloromethane	µg/L			<1U	<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
cis-1,2-dichloroethene	µg/L	5		<1U	<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
cis-1,3-dichloropropene	µg/L	0.4		<1U	<1U	<0.5U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U
Cyclohexane	µg/L			<1U	<1U	<10U	-	-	<0.27U	<0.27U	<10U
Dibromochloromethane	µg/L	50		<1U	<1U	<0.5U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U
Dichlorodifluoromethane	µg/L	5		<1U	<1U	<5U	<5U	<5U	<1U	<1U	<5U
Ethylbenzene	µg/L	5		<1U	<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Isopropylbenzene	µg/L	5		<1UJ	<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Methyl acetate	µg/L			-	-	<2U	-	-	<0.23U	<0.23U	<2U
Methyl cyclohexane	µg/L			<1U	<1U	<10U	-	-	<0.4U	<0.4U	<10U
Methyl tert butyl ether	µg/L	10		1.6	<0.5U	1.6J	1.1J	0.99J	<0.7U	0.77J	<2.5U
Methylene chloride	µg/L	5		<1U	<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
o-xylene	µg/L	5		-	-	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
p/m-xylene	µg/L	5		-	-	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Styrene	µg/L	5		<1U	<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Tetrachloroethene	µg/L	5		<1U	<1U	<0.5U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U
Toluene	µg/L	5		<1U	<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
trans-1,2-dichloroethene	µg/L	5		<1U	<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
trans-1,3-dichloropropene	µg/L	0.4		<1U	<1U	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U
Trichloroethene	µg/L	5		<1UJ	<1UJ	<0.5U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U
Trichlorofluoromethane	µg/L	5		<1U	<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U
Vinyl chloride	µg/L	2		4.7	6.2	<1U	3.4	3.5	2.5	0.98J	0.87J

Bold and highlighted cells indicate the analyte exceeds the Class GA water quality

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Class GA water quality standards and guidance values taken from the NYSDEC Division of

Relative Percent Difference (RPD) comparing the Duplicate results to the Parent Sample results from the same well were calculated for QA/QC purposes

$$RPD = \frac{2(\text{Sample Value} - \text{Duplicate Sample Value})}{(\text{Sample Value} + \text{Duplicate Sample Value})}$$

Where one sample result was non-detect, the laboratory method detection limit for that analyte was used in the RPD calculation

Thick outlined and highlighted cells indicate an RPD outside of the recommended 20% range

(-) - Indicates no RPD calculated because parent sample and duplicate sample both had non-



Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
			Date Sampled	5/30/2019	5/30/2019	7/20/2020	7/20/2020	5/27/2021	5/27/2021	5/26/2022	5/11/2023
Method Name	VOCs		Sample ID	MW-2R	Duplicate	MW-2R	Duplicate	MW-2R	Duplicate	12574234-052622-BP-006	WG-12574234-DTS-051123-004
Analyte	Units	TOGS 1.1.1	Sample Type		DUP		DUP		DUP		
1,1,1-trichloroethane	µg/L	5		<0.7U	<0.7U	<0.33U	<0.33U	<0.33U	<0.33U	<2.5 U	<2.5 U
1,1,2,2-tetrachloroethane	µg/L	5		<0.17U	<0.17U	<0.46U	<0.46U	<0.46U	<0.46U	<0.50 U	<0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			<0.7U	<0.7U	<0.2U	<0.2U	<0.2U	<0.2U	<2.5 U	<2.5 U
1,1,2-trichloroethane	µg/L	1		<0.5U	<0.5U	<0.35U	<0.35U	<0.35U	<0.35U	<1.5 U	<1.5 U
1,1-dichloroethane	µg/L	5		<0.7U	<0.7U	<0.36U	<0.36U	<0.36U	<0.36U	<2.5 U	<2.5 U
1,1-dichloroethene	µg/L	5		<0.17U	<0.17U	<0.34U	<0.34U	<0.34U	<0.34U	<0.50 U	<0.50 U
1,2,3-trichlorobenzene	µg/L			<0.7U	<0.7U	<0.74U	<0.74U	<0.74U	<0.74U	<2.5 U	<2.5 U
1,2,4-trichlorobenzene	µg/L	5		<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<0.7U	<2.5 U	<2.5 U
1,2-dibromo-3-chloropropane	µg/L	0.04		<0.7U	<0.7U	<0.51U	<0.51U	<0.51U	<0.51U	<2.5 U	<2.5 U
1,2-dibromoethane	µg/L	5		<0.65U	<0.65U	<0.34U	<0.34U	<0.34U	<0.34U	<2.0 U	<2.0 U
1,2-dichlorobenzene	µg/L			<0.7U	<0.7U	<0.48U	<0.48U	<0.48U	<0.48U	<2.5 U	<2.5 U
1,2-dichloroethane	µg/L	0.6		<0.13U	<0.13U	<0.26U	<0.26U	<0.26U	<0.26U	<0.50 U	<0.50 U
1,2-dichloropropane	µg/L	1		<0.14U	<0.14U	<0.36U	<0.36U	<0.36U	<0.36U	<1.0 U	<1.0 U
1,3-dichlorobenzene	µg/L			<0.7U	<0.7U	<0.5U	<0.5U	<0.5U	<0.5U	<2.5 U	<2.5 U
1,4-dichlorobenzene	µg/L			<0.7U	<0.7U	<0.49U	<0.49U	<0.49U	<0.49U	<2.5 U	<2.5 U
1,4-dioxane	µg/L			<61U	<61U	<7.43U	<7.43U	<7.43U	<7.43U	<250 U	<250 U
2-butanone	µg/L	50		<1.9U	<1.9U	<0.58U	<0.58U	<0.58U	<0.58U	<5.0 U	<5.0 U
2-hexanone	µg/L	50		<1U	<1U	<0.69U	<0.69U	<0.69U	<0.69U	<5.0 U	<5.0 U
4-methyl-2-pentanone	µg/L			<1U	<1U	<0.35U	<0.35U	<0.35U	<0.35U	<5.0 U	<5.0 U
Acetone	µg/L	50		4.4J	<1.5U	<0.9U	<0.9U	<0.9U	<0.9U	<5.0 U	<5.0 U
Benzene	µg/L	1		<0.16U	<0.16U	<0.25U	<0.25U	<0.25U	<0.25U	<0.50 U	<0.50 U
Bromochloromethane	µg/L			<0.7U	<0.7U	<0.39U	<0.39U	<0.39U	<0.39U	<2.5 U	<2.5 U
Bromodichloromethane	µg/L	5		<0.19U	<0.19U	<0.33U	<0.33U	<0.33U	<0.33U	<0.50 U	<0.50 U
Bromoform	µg/L	50		<0.65U	<0.65U	<0.45U	<0.45U	<0.45U	<0.45U	<2.0 U	<2.0 U
Bromomethane	µg/L	5		<0.7U	<0.7U	<0.63U	<0.63U	<0.63U	<0.63U	<2.5 U	<2.5 U
Carbon disulfide	µg/L	60		<1U	<1U	<0.44U	<0.44U	<0.44U	<0.44U	<5.0 U	<5.0 U
Carbon tetrachloride	µg/L	5		<0.13U	<0.13U	<0.25U	<0.25U	<0.25U	<0.25U	<0.50 U	<0.50 U
Chlorobenzene	µg/L	5		<0.7U	<0.7U	<0.42U	<0.42U	<0.42U	<0.42U	<2.5 U	<2.5 U
Chloroethane	µg/L	5		<0.7U	<0.7U	<0.4U	<0.4U	<0.4U	<0.4U	<2.5 U	<2.5 U
Chloroform	µg/L	7		<0.7U	<0.7U	<0.3U	<0.3U	<0.3U	<0.3U	<2.5 U	<2.5 U
Chloromethane	µg/L			<0.7U	<0.27U	<0.48U	<0.48U	<0.48U	<0.48U	<2.5 U	<2.5 U
cis-1,2-dichloroethene	µg/L	5		<0.7U	<0.7U	<0.3U	<0.3U	<0.3U	<0.3U	<2.5 U	<2.5 U
cis-1,3-dichloropropene	µg/L	0.4		<0.14U	<0.14U	<0.3U	<0.3U	<0.3U	<0.3U	<0.50 U	<0.50 U
Cyclohexane	µg/L			<0.27U	<0.27U	<0.44U	<0.44U	<0.44U	<0.44U	<10 U	<10 U
Dibromochloromethane	µg/L	50		<0.15U	<0.15U	<0.33U	<0.33U	<0.33U	<0.33U	<0.50 U	<0.50 U
Dichlorodifluoromethane	µg/L	5		<1U	<1U	<0.39U	<0.39U	<0.39U	<0.39U	<5.0 U	<5.0 U
Ethylbenzene	µg/L	5		<0.7U	<0.7U	<0.36U	<0.36U	<0.36U	<0.36U	<2.5 U	<2.5 U
Isopropylbenzene	µg/L	5		<0.7U	<0.7U	<0.38U	<0.38U	<0.38U	<0.38U	<2.5 U	<2.5 U
Methyl acetate	µg/L			<0.23U	<0.23U	<5.14U	<5.14U	<5.14U	<5.14U	<2.0 U	<2.0 U
Methyl cyclohexane	µg/L			<0.4U	<0.4U	<0.39U	<0.39U	<0.39U	<0.39U	<10 U	<10 U
Methyl tert butyl ether	µg/L	10		7	<0.7U	<0.26U	<0.26U	<0.26U	<0.26U	<2.5 U	<2.5 U
Methylene chloride	µg/L	5		<0.7U	<0.7U	<0.54U	<0.54U	<0.54U	<0.54U	<2.5 U	<2.5 U
o-xylene	µg/L	5		<0.7U	<0.7U	<0.43U	<0.43U	<0.43U	<0.43U	<2.5 U	<2.5 U
p/m-xylene	µg/L	5		<0.7U	<0.7U	<0.78U	<0.78U	<0.78U	<0.78U	<2.5 U	<2.5 U
Styrene	µg/L	5		<0.7U	<0.7U	<0.42U	<0.42U	<0.42U	<0.42U	<2.5 U	<2.5 U
Tetrachloroethene	µg/L	5		<0.18U	<0.18U	<0.36U	<0.36U	<0.36U	<0.36U	<0.50 U	<0.50 U
Toluene	µg/L	5		<0.7U	<0.7U	<0.28U	<0.28U	<0.28U	<0.28U	<2.5 U	<2.5 U
trans-1,2-dichloroethene	µg/L	5		<0.7U	<0.7U	<0.19U	<0.19U	<0.19U	<0.19U	<2.5 U	<2.5 U
trans-1,3-dichloropropene	µg/L	0.4		<0.16U	<0.16U	<0.37U	<0.37U	<0.37U	<0.37U	<0.50 U	<0.50 U
Trichloroethene	µg/L	5		<0.18U	<0.18U	<0.36U	<0.36U	<0.36U	<0.36U	<0.50 U	<0.50 U
Trichlorofluoromethane	µg/L	5		<0.7U	<0.7U	<0.23U	<0.23U	<0.23U	<0.23U	<2.5 U	<2.5 U
Vinyl chloride	µg/L	2		<0.07U	0.55J	<0.26U	<0.26U	<0.26U	<0.26U	0.36 J	0.31 J

Bold and highlighted cells indicate the analyte exceeds the Class GA water quality

(-) Indicates that no sample was collected

J - Estimated Value

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< - Analyzed for but not detected above reported laboratory detection limit

Class GA water quality standards and guidance values taken from the NYSDEC Division of

Relative Percent Difference (RPD) comparing the Duplicate results to the Parent Sample results from the same well were calculated for QA/QC purposes

$$RPD = \frac{2(\text{Sample Value} - \text{Duplicate Sample Value})}{(\text{Sample Value} + \text{Duplicate Sample Value})}$$

Where one sample result was non-detect, the laboratory method detection limit for that analyte was used in the RPD calculation

Thick outlined and highlighted cells indicate an RPD outside of the recommended 20% range

(-) - Indicates no RPD calculated because parent sample and duplicate sample both had non-



Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
Method Name	VOCs		Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
Analyte	Units	TOGS 1.1.1	Sample Type								
1,1,1-trichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
1,1,2,2-tetrachloroethane	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
1,1,2-trichloroethane	µg/L	1		<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
1,1-dichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
1,1-dichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
1,2,3-trichlorobenzene	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
1,2,4-trichlorobenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
1,2-dibromoethane	µg/L	5		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
1,2-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
1,3-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
1,4-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
1,4-dioxane	µg/L			-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
2-butanone	µg/L	50		<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
2-hexanone	µg/L	50		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
4-methyl-2-pentanone	µg/L			<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
Acetone	µg/L	50		4	5	<5U	2.3J	5.9	<5U	1.7J	<0.9U
Benzene	µg/L	1		<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
Bromochloromethane	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
Bromodichloromethane	µg/L	5		<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
Bromoform	µg/L	50		<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
Bromomethane	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
Carbon disulfide	µg/L	60		<1U	<5U	<5U	<1U	<1U	<5U	4J	<0.44U
Carbon tetrachloride	µg/L	5		<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
Chlorobenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
Chloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
Chloroform	µg/L	7		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
Chloromethane	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
cis-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
cis-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
Cyclohexane	µg/L			<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
Dibromochloromethane	µg/L	50		<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
Dichlorodifluoromethane	µg/L	5		<1UJ	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
Ethylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
Isopropylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
Methyl acetate	µg/L			-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
Methyl cyclohexane	µg/L			<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
Methyl tert butyl ether	µg/L	10		4	13	11	32	37	39	30	31.1
Methylene chloride	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
o-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
p/m-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
Styrene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
Tetrachloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
Toluene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
trans-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
trans-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
Trichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
Trichlorofluoromethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
Vinyl chloride	µg/L	2		<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U	<0.26U

Bold and highlighted cells indicate the analyte exceeds the Class GA water quality

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Where one sample result was non-detect, the laboratory method detection limit for that analyte was used in the RPD calculation

Thick outlined and highlighted cells indicate an RPD outside of the recommended 20% range

(-) - Indicates no RPD calculated because parent sample and duplicate sample both had non-



Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-4	MW-4	MW-4	MW-4
Method Name	VOCs		Date Sampled	5/27/2021	5/26/2022	5/11/2023	5/11/2023
			Sample ID	MW-4	12574234-052622-DTS-007	WG-12574234-DTS-051123-001	WG-12574234-DTS-051123-002
Analyte	Units	TOGS 1.1.1	Sample Type				DUP
1,1,1-trichloroethane	µg/L	5		<0.33U	<2.5 U	<2.5 U	<2.5 U
1,1,2,2-tetrachloroethane	µg/L	5		<0.46U	<0.50 U	<0.50 U	<0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			<0.2U	<2.5 U	<2.5 U	<2.5 U
1,1,2-trichloroethane	µg/L	1		<0.35U	<1.5 U	<1.5 U	<1.5 U
1,1-dichloroethane	µg/L	5		<0.36U	<2.5 U	<2.5 U	<2.5 U
1,1-dichloroethene	µg/L	5		<0.34U	<0.50 U	<0.50 U	<0.50 U
1,2,3-trichlorobenzene	µg/L			<0.74U	<2.5 U	<2.5 U	<2.5 U
1,2,4-trichlorobenzene	µg/L	5		<0.7U	<2.5 U	<2.5 U	<2.5 U
1,2-dibromo-3-chloropropane	µg/L	0.04		<0.51U	<2.5 U	<2.5 U	<2.5 U
1,2-dibromoethane	µg/L	5		<0.34U	<2.0 U	<2.0 U	<2.0 U
1,2-dichlorobenzene	µg/L			<0.48U	<2.5 U	<2.5 U	<2.5 U
1,2-dichloroethane	µg/L	0.6		<0.26U	<0.50 U	<0.50 U	<0.50 U
1,2-dichloropropane	µg/L	1		<0.36U	<1.0 U	<1.0 U	<1.0 U
1,3-dichlorobenzene	µg/L			<0.5U	<2.5 U	<2.5 U	<2.5 U
1,4-dichlorobenzene	µg/L			<0.49U	<2.5 U	<2.5 U	<2.5 U
1,4-dioxane	µg/L			<7.43U	<250 U	<250 U	<250 U
2-butanone	µg/L	50		<0.58U	<5.0 U	<5.0 U	<5.0 U
2-hexanone	µg/L	50		<0.69U	<5.0 U	<5.0 U	<5.0 U
4-methyl-2-pentanone	µg/L			<0.35U	<5.0 U	<5.0 U	<5.0 U
Acetone	µg/L	50		<0.9U	<5.0 U	<5.0 U	<5.0 U
Benzene	µg/L	1		<0.25U	<0.50 U	<0.50 U	<0.50 U
Bromochloromethane	µg/L			<0.39U	<2.5 U	<2.5 U	<2.5 U
Bromodichloromethane	µg/L	5		<0.33U	<0.50 U	<0.50 U	<0.50 U
Bromoform	µg/L	50		<0.45U	<2.0 U	<2.0 U	<2.0 U
Bromomethane	µg/L	5		<0.63U	<2.5 U	<2.5 U	<2.5 U
Carbon disulfide	µg/L	60		<0.44U	<5.0 U	<5.0 U	<5.0 U
Carbon tetrachloride	µg/L	5		<0.25U	<0.50 U	<0.50 U	<0.50 U
Chlorobenzene	µg/L	5		<0.42U	<2.5 U	<2.5 U	<2.5 U
Chloroethane	µg/L	5		<0.4U	<2.5 U	<2.5 U	<2.5 U
Chloroform	µg/L	7		<0.3U	<2.5 U	<2.5 U	<2.5 U
Chloromethane	µg/L			<0.48U	<2.5 U	<2.5 U	<2.5 U
cis-1,2-dichloroethene	µg/L	5		<0.3U	<2.5 U	<2.5 U	<2.5 U
cis-1,3-dichloropropene	µg/L	0.4		<0.3U	<0.50 U	<0.50 U	<0.50 U
Cyclohexane	µg/L			<0.44U	<10 U	<10 U	<10 U
Dibromochloromethane	µg/L	50		<0.33U	<0.50 U	<0.50 U	<0.50 U
Dichlorodifluoromethane	µg/L	5		<0.39U	<5.0 U	<5.0 U	<5.0 U
Ethylbenzene	µg/L	5		<0.36U	<2.5 U	<2.5 U	<2.5 U
Isopropylbenzene	µg/L	5		<0.38U	<2.5 U	<2.5 U	<2.5 U
Methyl acetate	µg/L			<5.14U	<2.0 U	<2.0 U	<2.0 U
Methyl cyclohexane	µg/L			<0.39U	<10 U	<10 U	<10 U
Methyl tert butyl ether	µg/L	10		29	33	28	25
Methylene chloride	µg/L	5		<0.54U	<2.5 U	<2.5 U	<2.5 U
o-xylene	µg/L	5		<0.43U	<2.5 U	<2.5 U	<2.5 U
p/m-xylene	µg/L	5		<0.78U	<2.5 U	<2.5 U	<2.5 U
Styrene	µg/L	5		<0.42U	<2.5 U	<2.5 U	<2.5 U
Tetrachloroethene	µg/L	5		<0.36U	<0.50 U	<0.50 U	<0.50 U
Toluene	µg/L	5		<0.28U	<2.5 U	<2.5 U	<2.5 U
trans-1,2-dichloroethene	µg/L	5		<0.19U	<2.5 U	<2.5 U	<2.5 U
trans-1,3-dichloropropene	µg/L	0.4		<0.37U	<0.50 U	<0.50 U	<0.50 U
Trichloroethene	µg/L	5		<0.36U	<0.50 U	<0.50 U	<0.50 U
Trichlorofluoromethane	µg/L	5		<0.23U	<2.5 U	<2.5 U	<2.5 U
Vinyl chloride	µg/L	2		<0.26U	<1.0 U	<1.0 U	<1.0 U

Bold and highlighted cells indicate the analyte exceeds the Class GA water quality

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$$RPD = \frac{2(\text{Sample Value} - \text{Duplicate Sample Value})}{(\text{Sample Value} + \text{Duplicate Sample Value})}$$

Where one sample result was non-detect, the laboratory method detection limit for that analyte was used in the RPD calculation

Thick outlined and highlighted cells indicate an RPD outside of the recommended 20% range

(-) - Indicates no RPD calculated because parent sample and duplicate sample both had non-



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

			Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Date Sampled	Baseline	5/14/2014	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
Method Name	VOCs		Sample ID	MW-5	MW-5	Duplicate	MW-5	MW-5	MW-5	MW-5	MW-5
Analyte	Units	TOGS 1.1.1	Sample Type			DUP					
1,1,1-trichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
1,1,2,2-tetrachloroethane	µg/L	5		<1U	<0.5U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	<2.5U	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
1,1,2-trichloroethane	µg/L	1		<1U	<1.5U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
1,1-dichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
1,1-dichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
1,2,3-trichlorobenzene	µg/L			-	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
1,2,4-trichlorobenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
1,2-dibromoethane	µg/L	5		<1U	<2U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
1,2-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
1,3-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
1,4-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
1,4-dioxane	µg/L			-	<250U	<250U	<250U	<41U	<61U	<250U	<61U
2-butanone	µg/L	50		<1U	<5U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
2-hexanone	µg/L	50		<1U	<5U	<5U	<5U	<1U	<1U	<5U	<1U
4-methyl-2-pentanone	µg/L			<1U	<5U	<5U	<5U	<1U	<1U	<5U	<1U
Acetone	µg/L	50		<10U	2.2J	2.7J	<5U	<1.5U	<1.5U	2.2J	<1.5U
Benzene	µg/L	1		<0.5U	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
Bromochloromethane	µg/L			-	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
Bromodichloromethane	µg/L	5		<1U	<0.5U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U
Bromoform	µg/L	50		<1UJ	<2U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
Bromomethane	µg/L	5		<1UJ	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
Carbon disulfide	µg/L	60		<1U	<5U	<5U	3.5J	<1U	<1U	<5U	<1U
Carbon tetrachloride	µg/L	5		<1U	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
Chlorobenzene	µg/L	5		<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
Chloroethane	µg/L	5		<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
Chloroform	µg/L	7		<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
Chloromethane	µg/L			<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
cis-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
cis-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U
Cyclohexane	µg/L			<1U	<10U	<10U	-	<0.27U	<0.27U	<10U	<0.27U
Dibromochloromethane	µg/L	50		<1U	<0.5U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U
Dichlorodifluoromethane	µg/L	5		<1UJ	<5U	<5U	<5U	<1U	<1U	<5U	<1U
Ethylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
Isopropylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
Methyl acetate	µg/L			-	<2U	<2U	-	<0.23U	<0.23U	<2U	<0.23U
Methyl cyclohexane	µg/L			<1U	<20U	<10U	-	<0.4U	<0.4U	<10U	<0.4U
Methyl tert butyl ether	µg/L	10		16	9.3	10	10	5.8	7.9	12	<0.7U
Methylene chloride	µg/L	5		<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
o-xylene	µg/L	5		-	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
p/m-xylene	µg/L	5		-	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
Styrene	µg/L	5		<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
Tetrachloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
Toluene	µg/L	5		<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
trans-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
trans-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
Trichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
Trichlorofluoromethane	µg/L	5		<1U	<2.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
Vinyl chloride	µg/L	2		<1U	<1U	<1U	<1U	<0.07U	<0.07U	<1U	0.63J

Bold and highlighted cells indicate the analyte exceeds the Class GA water quality

(-) Indicates that no sample was collected

J - Estimated Value

U - Analyzed for but not detected

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Class GA water quality standards and guidance values taken from the NYSDEC Division of

Relative Percent Difference (RPD) comparing the Duplicate results to the Parent Sample results from the same well were calculated for QA/QC purposes

$$RPD = \frac{2(\text{Sample Value} - \text{Duplicate Sample Value})}{(\text{Sample Value} + \text{Duplicate Sample Value})}$$

Where one sample result was non-detect, the laboratory method detection limit for that analyte was used in the RPD calculation

Thick outlined and highlighted cells indicate an RPD outside of the recommended 20% range

(-) - Indicates no RPD calculated because parent sample and duplicate sample both had non-



Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-5	MW-5	MW-5	MW-5
			Date Sampled	7/20/2020	5/27/2021	5/26/2022	5/11/2023
Method Name	VOCs		Sample ID	MW-5	MW-5	12574234-052622-DTS-005	WG-12574234-051123-BP-003
Analyte	Units	TOGS 1.1.1	Sample Type				
1,1,1-trichloroethane	µg/L	5		<0.33U	<0.33U	<2.5 U	<2.5 U
1,1,2,2-tetrachloroethane	µg/L	5		<0.46U	<0.46U	<0.50 U	<0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			<0.2U	<0.2U	<2.5 U	<2.5 U
1,1,2-trichloroethane	µg/L	1		<0.35U	<0.35U	<1.5 U	<1.5 U
1,1-dichloroethane	µg/L	5		<0.36U	<0.36U	<2.5 U	<2.5 U
1,1-dichloroethene	µg/L	5		<0.34U	<0.34U	<0.50 U	<0.50 U
1,2,3-trichlorobenzene	µg/L			<0.74U	<0.74U	<2.5 U	<2.5 U
1,2,4-trichlorobenzene	µg/L	5		<0.7U	<0.7U	<2.5 U	<2.5 U
1,2-dibromo-3-chloropropane	µg/L	0.04		<0.51U	<0.51U	<2.5 U	<2.5 U
1,2-dibromoethane	µg/L	5		<0.34U	<0.34U	<2.0 U	<2.0 U
1,2-dichlorobenzene	µg/L			<0.48U	<0.48U	<2.5 U	<2.5 U
1,2-dichloroethane	µg/L	0.6		<0.26U	<0.26U	<0.50 U	<0.50 U
1,2-dichloropropane	µg/L	1		<0.36U	<0.36U	<1.0 U	<1.0 U
1,3-dichlorobenzene	µg/L			<0.5U	<0.5U	<2.5 U	<2.5 U
1,4-dichlorobenzene	µg/L			<0.49U	<0.49U	<2.5 U	<2.5 U
1,4-dioxane	µg/L			<7.43U	<7.43U	<250 U	<250 U
2-butanone	µg/L	50		<0.58U	<0.58U	<5.0 U	<5.0 U
2-hexanone	µg/L	50		<0.69U	<0.69U	<5.0 U	<5.0 U
4-methyl-2-pentanone	µg/L			<0.35U	<0.35U	<5.0 U	<5.0 U
Acetone	µg/L	50		<0.9U	<0.9U	<5.0 U	<5.0 U
Benzene	µg/L	1		<0.25U	<0.25U	<0.50 U	<0.50 U
Bromochloromethane	µg/L			<0.39U	<0.39U	<2.5 U	<2.5 U
Bromodichloromethane	µg/L	5		<0.33U	<0.33U	<0.50 U	<0.50 U
Bromoform	µg/L	50		<0.45U	<0.45U	<2.0 U	<2.0 U
Bromomethane	µg/L	5		<0.63U	<0.63U	<2.5 U	<2.5 U
Carbon disulfide	µg/L	60		<0.44U	<0.44U	<5.0 U	<5.0 U
Carbon tetrachloride	µg/L	5		<0.25U	<0.25U	<0.50 U	<0.50 U
Chlorobenzene	µg/L	5		<0.42U	<0.42U	<2.5 U	<2.5 U
Chloroethane	µg/L	5		<0.4U	<0.4U	<2.5 U	<2.5 U
Chloroform	µg/L	7		<0.3U	<0.3U	<2.5 U	<2.5 U
Chloromethane	µg/L			<0.48U	<0.48U	<2.5 U	<2.5 U
cis-1,2-dichloroethene	µg/L	5		<0.3U	<0.3U	<2.5 U	<2.5 U
cis-1,3-dichloropropene	µg/L	0.4		<0.3U	<0.3U	<0.50 U	<0.50 U
Cyclohexane	µg/L			<0.44U	<0.44U	<10 U	<10 U
Dibromochloromethane	µg/L	50		<0.33U	<0.33U	<0.50 U	<0.50 U
Dichlorodifluoromethane	µg/L	5		<0.39U	<0.39U	<5.0 U	<5.0 U
Ethylbenzene	µg/L	5		<0.36U	<0.36U	<2.5 U	<2.5 U
Isopropylbenzene	µg/L	5		<0.38U	<0.38U	<2.5 U	<2.5 U
Methyl acetate	µg/L			<5.14U	<5.14U	<2.0 U	<2.0 U
Methyl cyclohexane	µg/L			<0.39U	<0.39U	<10 U	<10 U
Methyl tert butyl ether	µg/L	10		9.93	12	14	6.6
Methylene chloride	µg/L	5		<0.54U	<0.54U	<2.5 U	<2.5 U
o-xylene	µg/L	5		<0.43U	<0.43U	<2.5 U	<2.5 U
p/m-xylene	µg/L	5		<0.78U	<0.78U	<2.5 U	<2.5 U
Styrene	µg/L	5		<0.42U	<0.42U	<2.5 U	<2.5 U
Tetrachloroethene	µg/L	5		<0.36U	<0.36U	<0.50 U	<0.50 U
Toluene	µg/L	5		<0.28U	<0.28U	<2.5 U	<2.5 U
trans-1,2-dichloroethene	µg/L	5		<0.19U	<0.19U	<2.5 U	<2.5 U
trans-1,3-dichloropropene	µg/L	0.4		<0.37U	<0.37U	<0.50 U	<0.50 U
Trichloroethene	µg/L	5		<0.36U	<0.36U	<0.50 U	<0.50 U
Trichlorofluoromethane	µg/L	5		<0.23U	<0.23U	<2.5 U	<2.5 U
Vinyl chloride	µg/L	2		<0.26U	<0.26U	<1.0 U	<1.0 U

Bold and highlighted cells indicate the analyte exceeds the Class GA water quality

(-) Indicates that no sample was collected

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Class GA water quality standards and guidance values taken from the NYSDEC Division of

Relative Percent Difference (RPD) comparing the Duplicate results to the Parent Sample results from the same well were calculated for QA/QC purposes

$$RPD = \frac{2(\text{Sample Value} - \text{Duplicate Sample Value})}{(\text{Sample Value} + \text{Duplicate Sample Value})}$$

Where one sample result was non-detect, the laboratory method detection limit for that analyte was used in the RPD calculation

Thick outlined and highlighted cells indicate an RPD outside of the recommended 20% range

(-) - Indicates no RPD calculated because parent sample and duplicate sample both had non-



Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
Method Name	VOCs		Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
Analyte	Units	TOGS 1.1.1	Sample Type								
1,1,1-trichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
1,1,2,2-tetrachloroethane	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
1,1,2-trichloroethane	µg/L	1		<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
1,1-dichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
1,1-dichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
1,2,3-trichlorobenzene	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
1,2,4-trichlorobenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
1,2-dibromoethane	µg/L	5		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
1,2-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
1,3-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
1,4-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
1,4-dioxane	µg/L			-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
2-butanone	µg/L	50		<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
2-hexanone	µg/L	50		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
4-methyl-2-pentanone	µg/L			<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
Acetone	µg/L	50		12	3.7J	<5U	2J	9.8	4.5J	3.5J	<0.9U
Benzene	µg/L	1		1.1	<0.5U	0.34J	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
Bromochloromethane	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
Bromodichloromethane	µg/L	5		<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
Bromoform	µg/L	50		<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
Bromomethane	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
Carbon disulfide	µg/L	60		<1U	<5U	<5U	<1U	<1U	<5U	6.7	<0.44U
Carbon tetrachloride	µg/L	5		<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
Chlorobenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
Chloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
Chloroform	µg/L	7		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
Chloromethane	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
cis-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
cis-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
Cyclohexane	µg/L			<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
Dibromochloromethane	µg/L	50		<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
Dichlorodifluoromethane	µg/L	5		<1UJ	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
Ethylbenzene	µg/L	5		1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
Isopropylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
Methyl acetate	µg/L			-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
Methyl cyclohexane	µg/L			<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
Methyl tert butyl ether	µg/L	10		16	14	17	14	5	22	17	15.5
Methylene chloride	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
o-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
p/m-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
Styrene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
Tetrachloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
Toluene	µg/L	5		4.4	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
trans-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
trans-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
Trichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
Trichlorofluoromethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
Vinyl chloride	µg/L	2		<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U	<0.26U

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Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-6	MW-6	MW-6
			Date Sampled	5/27/2021	5/26/2022	5/11/2023
Method Name	VOCs		Sample ID	MW-6	12574234-052622-BP-008	WG-12574234-051123-BP-005
Analyte	Units	TOGS 1.1.1	Sample Type			
1,1,1-trichloroethane	µg/L	5		<0.33U	<2.5 U	<2.5 U
1,1,2,2-tetrachloroethane	µg/L	5		<0.46U	<0.50 U	<0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			<0.2U	<2.5 U	<2.5 U
1,1,2-trichloroethane	µg/L	1		<0.35U	<1.5 U	<1.5 U
1,1-dichloroethane	µg/L	5		<0.36U	<2.5 U	<2.5 U
1,1-dichloroethene	µg/L	5		<0.34U	<0.50 U	<0.50 U
1,2,3-trichlorobenzene	µg/L			<0.74U	<2.5 U	<2.5 U
1,2,4-trichlorobenzene	µg/L	5		<0.7U	<2.5 U	<2.5 U
1,2-dibromo-3-chloropropane	µg/L	0.04		<0.51U	<2.5 U	<2.5 U
1,2-dibromoethane	µg/L	5		<0.34U	<2.0 U	<2.0 U
1,2-dichlorobenzene	µg/L			<0.48U	<2.5 U	<2.5 U
1,2-dichloroethane	µg/L	0.6		<0.26U	<0.50 U	<0.50 U
1,2-dichloropropane	µg/L	1		<0.36U	<1.0 U	<1.0 U
1,3-dichlorobenzene	µg/L			<0.5U	<2.5 U	<2.5 U
1,4-dichlorobenzene	µg/L			<0.49U	<2.5 U	<2.5 U
1,4-dioxane	µg/L			<7.43U	<250 U	<250 U
2-butanone	µg/L	50		<0.58U	<5.0 U	<5.0 U
2-hexanone	µg/L	50		<0.69U	<5.0 U	<5.0 U
4-methyl-2-pentanone	µg/L			<0.35U	<5.0 U	<5.0 U
Acetone	µg/L	50		<0.9U	<5.0 U	<5.0 U
Benzene	µg/L	1		<0.25U	0.24 J	0.18 J
Bromochloromethane	µg/L			<0.39U	<2.5 U	<2.5 U
Bromodichloromethane	µg/L	5		<0.33U	<0.50 U	<0.50 U
Bromoform	µg/L	50		<0.45U	<2.0 U	<2.0 U
Bromomethane	µg/L	5		<0.63U	<2.5 U	<2.5 U
Carbon disulfide	µg/L	60		<0.44U	<5.0 U	<5.0 U
Carbon tetrachloride	µg/L	5		<0.25U	<0.50 U	<0.50 U
Chlorobenzene	µg/L	5		<0.42U	<2.5 U	<2.5 U
Chloroethane	µg/L	5		<0.4U	<2.5 U	<2.5 U
Chloroform	µg/L	7		<0.3U	<2.5 U	<2.5 U
Chloromethane	µg/L			<0.48U	<2.5 U	<2.5 U
cis-1,2-dichloroethene	µg/L	5		<0.3U	<2.5 U	<2.5 U
cis-1,3-dichloropropene	µg/L	0.4		<0.3U	<0.50 U	<0.50 U
Cyclohexane	µg/L			<0.44U	<10 U	<10 U
Dibromochloromethane	µg/L	50		<0.33U	<0.50 U	<0.50 U
Dichlorodifluoromethane	µg/L	5		<0.39U	<5.0 U	<5.0 U
Ethylbenzene	µg/L	5		<0.36U	<2.5 U	<2.5 U
Isopropylbenzene	µg/L	5		<0.38U	<2.5 U	<2.5 U
Methyl acetate	µg/L			<5.14U	<2.0 U	<2.0 U
Methyl cyclohexane	µg/L			<0.39U	<10 U	<10 U
Methyl tert butyl ether	µg/L	10		18	29	21
Methylene chloride	µg/L	5		<0.54U	<2.5 U	<2.5 U
o-xylene	µg/L	5		<0.43U	<2.5 U	<2.5 U
p/m-xylene	µg/L	5		<0.78U	<2.5 U	<2.5 U
Styrene	µg/L	5		<0.42U	<2.5 U	<2.5 U
Tetrachloroethene	µg/L	5		<0.36U	<0.50 U	<0.50 U
Toluene	µg/L	5		<0.28U	<2.5 U	<2.5 U
trans-1,2-dichloroethene	µg/L	5		<0.19U	<2.5 U	<2.5 U
trans-1,3-dichloropropene	µg/L	0.4		<0.37U	<0.50 U	<0.50 U
Trichloroethene	µg/L	5		<0.36U	<0.50 U	<0.50 U
Trichlorofluoromethane	µg/L	5		<0.23U	<2.5 U	<2.5 U
Vinyl chloride	µg/L	2		<0.26U	<1.0 U	<1.0 U

Bold and highlighted cells indicate the analyte exceeds the Class GA water quality

(-) Indicates that no sample was collected

J - Estimated Value

U - Analyzed for but not detected

< - Analyzed for but not detected above reported laboratory detection limit

Class GA water quality standards and guidance values taken from the NYSDEC Division of

Relative Percent Difference (RPD) comparing the Duplicate results to the Parent Sample results from the same well were calculated for QA/QC purposes

$$RPD = \frac{2(\text{Sample Value} - \text{Duplicate Sample Value})}{(\text{Sample Value} + \text{Duplicate Sample Value})}$$

Where one sample result was non-detect, the laboratory method detection limit for that analyte was used in the RPD calculation

Thick outlined and highlighted cells indicate an RPD outside of the recommended 20% range

(-) - Indicates no RPD calculated because parent sample and duplicate sample both had non-



Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
Method Name	VOCs		Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
Analyte	Units	TOGS 1.1.1	Sample Type								
1,1,1-trichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
1,1,2,2-tetrachloroethane	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
1,1,2-trichloroethane	µg/L	1		<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
1,1-dichloroethane	µg/L	5		<1U	0.75J	1.1J	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
1,1-dichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	0.22J	0.24J	<0.17U	<0.34U
1,2,3-trichlorobenzene	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
1,2,4-trichlorobenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
1,2-dibromoethane	µg/L	5		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
1,2-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
1,3-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
1,4-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
1,4-dioxane	µg/L			-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
2-butanone	µg/L	50		<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
2-hexanone	µg/L	50		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
4-methyl-2-pentanone	µg/L			<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
Acetone	µg/L	50		<10U	1.6J	<5U	<1.5U	<1.5U	<5U	2.3J	<0.9U
Benzene	µg/L	1		0.2	2.3	4	0.66	0.54	0.36J	<0.16U	0.7J
Bromochloromethane	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
Bromodichloromethane	µg/L	5		<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
Bromoform	µg/L	50		<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
Bromomethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
Carbon disulfide	µg/L	60		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.44U
Carbon tetrachloride	µg/L	5		<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
Chlorobenzene	µg/L	5		1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
Chloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
Chloroform	µg/L	7		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
Chloromethane	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
cis-1,2-dichloroethene	µg/L	5		1.2	16	6.1	17	52	76	42	12.8
cis-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
Cyclohexane	µg/L			<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
Dibromochloromethane	µg/L	50		<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
Dichlorodifluoromethane	µg/L	5		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
Ethylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
Isopropylbenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
Methyl acetate	µg/L			-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
Methyl cyclohexane	µg/L			<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
Methyl tert butyl ether	µg/L	10		<0.5U	<2.5U	<2.5U	<0.7U	<0.7U	24	3.4	<0.26U
Methylene chloride	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
o-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
p/m-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
Styrene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
Tetrachloroethene	µg/L	5		<1U	2.2	0.52	1.8	11	5.2	0.86	<0.36U
Toluene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
trans-1,2-dichloroethene	µg/L	5		<1U	<2.5U	0.78J	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
trans-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
Trichloroethene	µg/L	5		1.4J	9.1	2.2	4.8	20	14	3.2	0.55J
Trichlorofluoromethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
Vinyl chloride	µg/L	2		2.7	5.5	5.6	12	8	5.6	3.6	<0.26U

Bold and highlighted cells indicate the analyte exceeds the Class GA water quality

(-) Indicates that no sample was collected

J - Estimated Value

U - Analyzed for but not detected

< - Analyzed for but not detected above reported laboratory detection limit

Class GA water quality standards and guidance values taken from the NYSDEC Division of

Relative Percent Difference (RPD) comparing the Duplicate results to the Parent Sample results from the same well were calculated for QA/QC purposes

$$RPD = \frac{2(\text{Sample Value} - \text{Duplicate Sample Value})}{(\text{Sample Value} + \text{Duplicate Sample Value})}$$

Where one sample result was non-detect, the laboratory method detection limit for that analyte was used in the RPD calculation

Thick outlined and highlighted cells indicate an RPD outside of the recommended 20% range

(-) - Indicates no RPD calculated because parent sample and duplicate sample both had non-



Table 3: Summary of Groundwater Sample Laboratory Analytical Results

			Well ID				
			Date Sampled	5/27/2021	5/25/2022	5/25/2022	5/11/2023
Method Name	VOCs		Sample ID	MW-7	12574234-052522-DTS-002	12574234-052522-DTS-003	WG-12574234-DTS-051123-007
Analyte	Units	TOGS 1.1.1	Sample Type			DUP	
1,1,1-trichloroethane	µg/L	5		<0.33U	<2.5 U	<2.5 U	<2.5 U
1,1,2,2-tetrachloroethane	µg/L	5		<0.46U	<0.50 U	<0.50 U	<0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			<0.2U	<2.5 U	<2.5 U	<2.5 U
1,1,2-trichloroethane	µg/L	1		<0.35U	<1.5 U	<1.5 U	<1.5 U
1,1-dichloroethane	µg/L	5		<0.36U	<2.5 U	<2.5 U	<2.5 U
1,1-dichloroethene	µg/L	5		<0.34U	<0.50 U	<0.50 U	<0.50 U
1,2,3-trichlorobenzene	µg/L			<0.74U	<2.5 U	<2.5 U	<2.5 U
1,2,4-trichlorobenzene	µg/L	5		<0.7U	<2.5 U	<2.5 U	<2.5 U
1,2-dibromo-3-chloropropane	µg/L	0.04		<0.51U	<2.5 U	<2.5 U	<2.5 U
1,2-dibromoethane	µg/L	5		<0.34U	<2.0 U	<2.0 U	<2.0 U
1,2-dichlorobenzene	µg/L			<0.48U	<2.5 U	<2.5 U	<2.5 U
1,2-dichloroethane	µg/L	0.6		<0.26U	<0.50 U	<0.50 U	<0.50 U
1,2-dichloropropane	µg/L	1		<0.36U	<1.0 U	<1.0 U	<1.0 U
1,3-dichlorobenzene	µg/L			<0.5U	<2.5 U	<2.5 U	<2.5 U
1,4-dichlorobenzene	µg/L			<0.49U	<2.5 U	<2.5 U	<2.5 U
1,4-dioxane	µg/L			<7.43U	<250 U	<250 U	<250 U
2-butanone	µg/L	50		<0.58U	<5.0 U	<5.0 U	<5.0 U
2-hexanone	µg/L	50		<0.69U	<5.0 U	<5.0 U	<5.0 U
4-methyl-2-pentanone	µg/L			<0.35U	<5.0 U	<5.0 U	<5.0 U
Acetone	µg/L	50		<0.9U	<5.0 U	<5.0 U	<5.0 U
Benzene	µg/L	1		0.59	0.50	0.76	0.53
Bromochloromethane	µg/L			<0.39U	<2.5 U	<2.5 U	<2.5 U
Bromodichloromethane	µg/L	5		<0.33U	<0.50 U	<0.50 U	<0.50 U
Bromoform	µg/L	50		<0.45U	<2.0 U	<2.0 U	<2.0 U
Bromomethane	µg/L	5		<0.63U	<2.5 U	<2.5 U	<2.5 U
Carbon disulfide	µg/L	60		<0.44U	<5.0 U	<5.0 U	<5.0 U
Carbon tetrachloride	µg/L	5		<0.25U	<0.50 U	<0.50 U	<0.50 U
Chlorobenzene	µg/L	5		<0.42U	<2.5 U	<2.5 U	<2.5 U
Chloroethane	µg/L	5		<0.4U	<2.5 U	<2.5 U	<2.5 U
Chloroform	µg/L	7		<0.3U	<2.5 U	<2.5 U	<2.5 U
Chloromethane	µg/L			<0.48U	<2.5 U	<2.5 U	<2.5 U
cis-1,2-dichloroethene	µg/L	5		11	20	17	25
cis-1,3-dichloropropene	µg/L	0.4		<0.3U	<0.50 U	<0.50 U	<0.50 U
Cyclohexane	µg/L			<0.44U	<10 U	<10 U	<10 U
Dibromochloromethane	µg/L	50		<0.33U	<0.50 U	<0.50 U	<0.50 U
Dichlorodifluoromethane	µg/L	5		<0.39U	<5.0 U	<5.0 U	<5.0 U
Ethylbenzene	µg/L	5		<0.36U	<2.5 U	<2.5 U	<2.5 U
Isopropylbenzene	µg/L	5		<0.38U	<2.5 U	<2.5 U	<2.5 U
Methyl acetate	µg/L			<5.14U	<2.0 U	<2.0 U	<2.0 U
Methyl cyclohexane	µg/L			<0.39U	<10 U	<10 U	<10 U
Methyl tert butyl ether	µg/L	10		<0.26U	<2.5 U	<2.5 U	<2.5 U
Methylene chloride	µg/L	5		<0.54U	<2.5 U	<2.5 U	<2.5 U
o-xylene	µg/L	5		<0.43U	<2.5 U	<2.5 U	<2.5 U
p/m-xylene	µg/L	5		<0.78U	<2.5 U	<2.5 U	<2.5 U
Styrene	µg/L	5		<0.42U	<2.5 U	<2.5 U	<2.5 U
Tetrachloroethene	µg/L	5		<0.36U	0.24 J	<0.50 U	1.8
Toluene	µg/L	5		<0.28U	<2.5 U	<2.5 U	<2.5 U
trans-1,2-dichloroethene	µg/L	5		<0.19U	<2.5 U	<2.5 U	<2.5 U
trans-1,3-dichloropropene	µg/L	0.4		<0.37U	<0.50 U	<0.50 U	<0.50 U
Trichloroethene	µg/L	5		0.68	2.0	1.6	12
Trichlorofluoromethane	µg/L	5		<0.23U	<2.5 U	<2.5 U	<2.5 U
Vinyl chloride	µg/L	2		<0.26U	1.6	1.9	1.3

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$$RPD = \frac{2(\text{Sample Value} - \text{Duplicate Sample Value})}{(\text{Sample Value} + \text{Duplicate Sample Value})}$$

Where one sample result was non-detect, the laboratory method detection limit for that analyte was used in the RPD calculation

Thick outlined and highlighted cells indicate an RPD outside of the recommended 20% range

(-) - Indicates no RPD calculated because parent sample and duplicate sample both had non-



Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
Method Name	VOCs		Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
Analyte	Units	TOGS 1.1.1	Sample Type								
1,1,1-trichloroethane	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
1,1,2,2-tetrachloroethane	µg/L	5		<1UJ	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
1,1,2-trichloroethane	µg/L	1		<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
1,1-dichloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
1,1-dichloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
1,2,3-trichlorobenzene	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
1,2,4-trichlorobenzene	µg/L	5		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
1,2-dibromo-3-chloropropane	µg/L	0.04		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
1,2-dibromoethane	µg/L	5		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
1,2-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
1,2-dichloroethane	µg/L	0.6		<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
1,2-dichloropropane	µg/L	1		<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
1,3-dichlorobenzene	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
1,4-dichlorobenzene	µg/L			<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
1,4-dioxane	µg/L			-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
2-butanone	µg/L	50		<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
2-hexanone	µg/L	50		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
4-methyl-2-pentanone	µg/L			<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
Acetone	µg/L	50		<10U	1.4J	<5U	<1.5U	<1.5U	<5U	<1.5U	<0.9U
Benzene	µg/L	1		<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
Bromochloromethane	µg/L			-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
Bromodichloromethane	µg/L	5		<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
Bromoform	µg/L	50		<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
Bromomethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
Carbon disulfide	µg/L	60		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.44U
Carbon tetrachloride	µg/L	5		<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
Chlorobenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
Chloroethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
Chloroform	µg/L	7		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
Chloromethane	µg/L			<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
cis-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
cis-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
Cyclohexane	µg/L			<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
Dibromochloromethane	µg/L	50		<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
Dichlorodifluoromethane	µg/L	5		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
Ethylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
Isopropylbenzene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
Methyl acetate	µg/L			-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
Methyl cyclohexane	µg/L			<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
Methyl tert butyl ether	µg/L	10		<0.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.26U
Methylene chloride	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
o-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
p/m-xylene	µg/L	5		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
Styrene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
Tetrachloroethene	µg/L	5		<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
Toluene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
trans-1,2-dichloroethene	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
trans-1,3-dichloropropene	µg/L	0.4		<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
Trichloroethene	µg/L	5		<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
Trichlorofluoromethane	µg/L	5		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
Vinyl chloride	µg/L	2		<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U	<0.26U

Bold and highlighted cells indicate the analyte exceeds the Class GA water quality

(-) Indicates that no sample was collected

J - Estimated Value

U - Analyzed for but not detected

< - Analyzed for but not detected above reported laboratory detection limit

Class GA water quality standards and guidance values taken from the NYSDEC Division of

Relative Percent Difference (RPD) comparing the Duplicate results to the Parent Sample results from the same well were calculated for QA/QC purposes

$$RPD = \frac{2(\text{Sample Value} - \text{Duplicate Sample Value})}{(\text{Sample Value} + \text{Duplicate Sample Value})}$$

Where one sample result was non-detect, the laboratory method detection limit for that analyte was used in the RPD calculation

Thick outlined and highlighted cells indicate an RPD outside of the recommended 20% range

(-) - Indicates no RPD calculated because parent sample and duplicate sample both had non-



Table 3: Summary of Groundwater Sample Labortory Analytical Results

			Well ID	MW-8	MW-8	MW-8
			Date Sampled	5/27/2021	5/25/2022	5/11/2023
Method Name	VOCs		Sample ID	MW-8	12574234-052522-DTS-001	WG-12574234-051123-BP-008
Analyte	Units	TOGS 1.1.1	Sample Type			
1,1,1-trichloroethane	µg/L	5		<0.33U	<2.5 U	<2.5 U
1,1,2,2-tetrachloroethane	µg/L	5		<0.46U	<0.50 U	<0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L			<0.2U	<2.5 U	<2.5 U
1,1,2-trichloroethane	µg/L	1		<0.35U	<1.5 U	<1.5 U
1,1-dichloroethane	µg/L	5		<0.36U	<2.5 U	<2.5 U
1,1-dichloroethene	µg/L	5		<0.34U	<0.50 U	<0.50 U
1,2,3-trichlorobenzene	µg/L			<0.74U	<2.5 U	<2.5 U
1,2,4-trichlorobenzene	µg/L	5		<0.7U	<2.5 U	<2.5 U
1,2-dibromo-3-chloropropane	µg/L	0.04		<0.51U	<2.5 U	<2.5 U
1,2-dibromoethane	µg/L	5		<0.34U	<2.0 U	<2.0 U
1,2-dichlorobenzene	µg/L			<0.48U	<2.5 U	<2.5 U
1,2-dichloroethane	µg/L	0.6		<0.26U	<0.50 U	<0.50 U
1,2-dichloropropane	µg/L	1		<0.36U	<1.0 U	<1.0 U
1,3-dichlorobenzene	µg/L			<0.5U	<2.5 U	<2.5 U
1,4-dichlorobenzene	µg/L			<0.49U	<2.5 U	<2.5 U
1,4-dioxane	µg/L			<7.43U	<250 U	<250 U
2-butanone	µg/L	50		<0.58U	<5.0 U	<5.0 U
2-hexanone	µg/L	50		<0.69U	<5.0 U	<5.0 U
4-methyl-2-pentanone	µg/L			<0.35U	<5.0 U	<5.0 U
Acetone	µg/L	50		<0.9U	<5.0 U	<5.0 U
Benzene	µg/L	1		<0.25U	<0.50 U	<0.50 U
Bromochloromethane	µg/L			<0.39U	<2.5 U	<2.5 U
Bromodichloromethane	µg/L	5		<0.33U	<0.50 U	<0.50 U
Bromoform	µg/L	50		<0.45U	<2.0 U	<2.0 U
Bromomethane	µg/L	5		<0.63U	<2.5 U	<2.5 U
Carbon disulfide	µg/L	60		<0.44U	<5.0 U	<5.0 U
Carbon tetrachloride	µg/L	5		<0.25U	<0.50 U	<0.50 U
Chlorobenzene	µg/L	5		<0.42U	<2.5 U	<2.5 U
Chloroethane	µg/L	5		<0.4U	<2.5 U	<2.5 U
Chloroform	µg/L	7		<0.3U	<2.5 U	<2.5 U
Chloromethane	µg/L			<0.48U	<2.5 U	<2.5 U
cis-1,2-dichloroethene	µg/L	5		<0.3U	<2.5 U	<2.5 U
cis-1,3-dichloropropene	µg/L	0.4		<0.3U	<0.50 U	<0.50 U
Cyclohexane	µg/L			<0.44U	<10 U	<10 U
Dibromochloromethane	µg/L	50		<0.33U	<0.50 U	<0.50 U
Dichlorodifluoromethane	µg/L	5		<0.39U	<5.0 U	<5.0 U
Ethylbenzene	µg/L	5		<0.36U	<2.5 U	<2.5 U
Isopropylbenzene	µg/L	5		<0.38U	<2.5 U	<2.5 U
Methyl acetate	µg/L			<5.14U	<2.0 U	<2.0 U
Methyl cyclohexane	µg/L			<0.39U	<10 U	<10 U
Methyl tert butyl ether	µg/L	10		<0.26U	<2.5 U	<2.5 U
Methylene chloride	µg/L	5		<0.54U	<2.5 U	<2.5 U
o-xylene	µg/L	5		<0.43U	<2.5 U	<2.5 U
p/m-xylene	µg/L	5		<0.78U	<2.5 U	<2.5 U
Styrene	µg/L	5		<0.42U	<2.5 U	<2.5 U
Tetrachloroethene	µg/L	5		<0.36U	<0.50 U	<0.50 U
Toluene	µg/L	5		<0.28U	<2.5 U	<2.5 U
trans-1,2-dichloroethene	µg/L	5		<0.19U	<2.5 U	<2.5 U
trans-1,3-dichloropropene	µg/L	0.4		<0.37U	<0.50 U	<0.50 U
Trichloroethene	µg/L	5		<0.36U	<0.50 U	<0.50 U
Trichlorofluoromethane	µg/L	5		<0.23U	<2.5 U	<2.5 U
Vinyl chloride	µg/L	2		<0.26U	<1.0 U	<1.0 U

Bold and highlighted cells indicate the analyte exceeds the Class GA water quality

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Where one sample result was non-detect, the laboratory method detection limit for that analyte was used in the RPD calculation

Thick outlined and highlighted cells indicate an RPD outside of the recommended 20% range

(-) - Indicates no RPD calculated because parent sample and duplicate sample both had non-

Appendices

Appendix A

Annual Site-Wide Inspection Form

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITE NUMBER C224133

NAME OF INSPECTOR: DJ Vanetti

COMPANY OF INSPECTOR: GHD

DATE OF INSPECTION: 11-14-23

CURRENT USE OF THE SITE: Frito Lay Distribution

HAS A CHANGE OF LAND-USE OCCURRED SINCE THE LAST INSPECTION?
 YES X NO

IF YES, EXPLAIN HOW THE SITE HAS CHANGED: _____

IS THERE EVIDENCE OF LAND-USE OTHER THAN FOR INDUSTRIAL SINCE THE
LAST INSPECTION?
 YES X NO

IF YES, EXPLAIN THE NON-INDUSTRIAL LAND USE: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST
INSPECTION? YES X NO

IF YES, EXPLAIN HOW THE SITE HAS CHANGED: _____

GENERAL DESCRIPTION OF THE COVER: Pavement in place
and functioning
Grass area to south and along east perimeter
in good condition and well vegetated.
Stone armoring on south side and retaining wall in place
and functioning

HAS THE COVER BEEN COMPROMISED? YES X NO

IF YES, EXPLAIN HOW THE COVER HAS CHANGED: _____

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITE NUMBER C224133

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?

____ YES ☒ NO

IF YES, EXPLAIN HOW THE SITE COVER CONDITIONS CHANGED: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?

____ YES ☒ NO

IF YES, EXPLAIN WHAT MAINTAINENCE IS REQUIRED: _____

ARE SIGNIFICANT EROSION RILLS OR CRACKING PRESENT?

____ YES ☒ NO

IF YES, EXPLAIN WHERE EROSION RILLS OR CRACKING ARE PRESENT: _____

IS PONDING PRESENT?

____ YES ☒ NO

IF YES, EXPLAIN WHERE PONDING IS PRESENT AND THE ASSOCIATED DEPTH: _____

IS ANY SOIL WASTE MATERIAL EXPOSED?

____ YES ☒ NO

IF YES, EXPLAIN WHERE SOIL WASTE MATERIAL ARE EXPOSED: _____

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITE NUMBER C224133

IS THERE A VISABLE CHANGE IN THE DESIGNATED DRAINAGE PATTERN?

____ YES ☒ NO

IF YES, EXPLAIN WHERE THE VISABLE CHANGE IN THE DESIGNATED DRAINAGE PATTERN ARE LOCATED: _____

IS SETTLEMENT OR SUBSIDNCE VISIBLE?

____ YES ☒ NO

IF YES, EXPLAIN WHERE SETTLEMENT OR SUBSIDNCE VISIBLE IS LOCATED: _____

ARE SIGNIFICANT EROSION RILLS OR CRACKING PRESENT?

____ YES ☒ NO

IF YES, EXPLAIN WHERE EROSION RILLS OR CRACKING ARE PRESENT: _____

ARE ALL GROUNDWATER MONITORING WELLS MAINTAINED PROPERLY AND IN GOOD PHYSICAL CONDITION?

☒ YES ____ NO

IF NO, EXPLAIN HOW THE GROUNDWATER MONITORING WELLS HAVE BEEN COMPROMISED:

Note! New USEPA monitoring well at
south east corner

SITE-WIDE INSPECTION FORM

FRITO-LAY 202-218 MORGAN AVENUE
KINGS COUNTY
BROOKLYN, NEW YORK
NYSDEC SITE NUMBER C224133

IS THERE ANY EVIDENCE THAT GROUNDWATER IS BEING USED FOR ANY PURPOSE?

____ YES X NO

IF YES, EXPLAIN HOW GROUNDWATER IS BEING USED:

ADDITIONAL OBSERVATIONS, CONCLUSIONS, OR RECOMMENDATIONS:

Fence at perimeter in good condition
Woody growth along south perimeter and
along fence on south and east sides
should be removed.

ANY CHANGES TO THE SITE OR REQUIRED MAINTENANCE SHOULD BE MARKED IN THE CORRESPONDING LOCATIONS ON AN ATTACHED MAP

On-site 11:30 AM
Sunny, 55°F, Pavement surface dry

Appendix B

NYSDEC EQuIS Approval

Katherine Galanti

From: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Sent: Wednesday, November 1, 2023 10:37 AM
To: Katherine Galanti
Cc: Ian McNamara; Liloia, Kati N (DEC)
Subject: RE: 12574234: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2023 Groundwater Monitoring - EQUIS Submittal

Katherine,

Thank you for your EDD submission. NYSDEC has successfully uploaded the data from the EDDs "Chemistry-20230720 1512.C224133.NYSDEC_MERGE" and "FieldActivities-20230720 1506.C224133.NYSDEC_MERGE" to Frito Lay in the NYSDEC EQUIS database and the data is available for use within the system.

Aaron
NYSDEC EIMS Team



**Department of
Environmental
Conservation**

From: Katherine Galanti <Katherine.Galanti@ghd.com>
Sent: Wednesday, October 11, 2023 4:10 PM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: ian.mcnamara@ghd.com; Liloia, Kati N (DEC) <kati.liloia@dec.ny.gov>
Subject: 12574234: 202-218 Morgan Avenue BCP Site (Site #C224133) - Annual 2023 Groundwater Monitoring - EQUIS Submittal

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Please see the attached EDDs for the Spring 2023 annual groundwater sampling for the above-referenced site.

Thank you.

Katherine B. Galanti
Project Manager

GHD
Proudly employee-owned | [ghd.com](https://www.ghd.com)
285 Delaware Avenue Suite 500 Buffalo New York 14202 USA
D 716 362 8839 M 716 583 5720 E katherine.galanti@ghd.com

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