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Periodic Review Report March 28, 2020 – March 28, 2021

# **Hempstead Intersection Street Former MGP Site**

Town of Hempstead, Nassau County, New York Site ID #1-30-086

#### Submitted to:

National Grid USA 175 East Old Country Road Hicksville, NY 11801

#### Submitted by:

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April 2021 Project 1905774

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- A. NYSDEC Correspondence
- B. Inspection Form
- C. Data Usability Summary Reports
- D. Oxygen System Operations & Maintenance Measurements
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## Abbreviations, Acronyms, and Measurements

AWQS Ambient Water Quality Standard or Guidance Value

BTEX Benzene, Toluene, Ethylbenzene, and Xylenes

CAMP Community Air Monitoring Plan CFR Code of Federal Regulations

DER Division of Environmental Remediation
DNAPL Dense Non-Aqueous Phase Liquid

DO Dissolved Oxygen

DUSR Data Usability Summary Report

EC Engineering Control

ECL Environmental Conservation Law

ELAP Environmental Laboratory Accreditation Program

EWP Excavation Work Plan
GEI GEI Consultants, Inc., P.C.
HASP Health and Safety Plan
IC Institutional Control

IRM Interim Remedial Measure

ISS In-Situ Solidification
LIRR Long Island Railroad
MGP Manufactured Gas Plant
NAPL Non-Aqueous Phase Liquid

National Grid National Grid NY

NYCRR New York Codes, Rules and Regulations

NYSDEC New York State Department of Environmental Conservation

NYSDOH New York State Department of Health

NYSDOT New York State Department of Transportation

PRR Periodic Review Report

PAH Polycyclic Aromatic Hydrocarbon POB Professional Office Building

ROW Right-of-Way

Site National Grid Former Hempstead MGP

SMP Site Management Plan SVI Soil Vapor Intrusion

USEPA United States Environmental Protection Agency

VGC Village of Garden City

Measurements

bgs below ground surface

cy cubic yards

ft feet

 $\begin{array}{ll} mg/L & milligrams \ per \ liter \\ \mu g/L & micrograms \ per \ liter \end{array}$ 

# **Periodic Review Report Certification Statement**

I, Jeffrey Parillo, certify that I am currently a New York State registered professional engineer and that this Periodic Review Report and all attachments were prepared under my direction. 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 that the information presented is accurate and complete.

For each institutional or engineering control identified for the Site, I certify that all the following statements are true:

- a) the institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by DER.
- b) nothing has occurred that would impair the ability of such control to protect public health and the environment.
- c) nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control.
- d) access to the Site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control.

RALPH PARTIES OF NEW PARTIES OF NEW

April 26, 2021

Date

Jeffrey Parillo, P.E. GEI Consultants, Inc., P.C. New York State Professional Engineer License Number 0118801

It is a violation of Article 145 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 145, New York State Education Law.

## 1. Introduction

This Periodic Review Report (PRR) was prepared by GEI Consultants, Inc., P.C. on behalf of National Grid NY (National Grid) to present the scope and results of the post-remediation monitoring activities conducted between March 28, 2020 and March 28, 2021 at the Former Hempstead Intersection Manufactured Gas Plant (MGP) site (the Site) located in Hempstead, New York. This PRR for this Site (NYSDEC Site #130086) is prepared in accordance with the requirements of the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) guidance document DER-10, Technical Guidance for Site Investigation and Remediation (NYSDEC, 2010) and the Site Management Plan (SMP) (URS, 2017) for the Site. The 2020-2021 monitoring activities were conducted to evaluate the on-going performance and effectiveness of the Engineering Controls (ECs) and Institutional Controls (ICs) at the Site and in off-Site areas and consisted of the following:

- Monthly non-aqueous phase liquid (NAPL) monitoring and recovery at monitoring well HIMW-21.
- Quarterly oxygenation system monitoring. On October 24, 2019, the NYSDEC approved changing the frequency of the groundwater treatment performance monitoring of dissolved oxygen (DO) from monthly to quarterly. DO sampling was conducted in September and December 2020, as well as March 2021. DO sampling was not conducted during Q2 2020 due to the COVID-19 work restrictions imposed by New York State (Executive Order 202.6).
- Semi-annual groundwater monitoring in September/October 2020 and March 2021.
- Annual Site-wide inspection in March 2021.

Additional activities conducted during the current PRR period included:

- Quarterly Site checks.
- Monitoring well box modifications and resurveying

The 2020-2021 monitoring activities were performed in accordance with the NYSDEC-approved Site Management Plan (SMP; URS, 2017) and subsequent modifications. These included 2019-2020's reduction to the groundwater sampling frequency and the inclusion of the sampling results in the PRR in lieu of the annual report formerly titled "Annual"

Groundwater Sampling, NAPL Monitoring/Recovery and Groundwater Treatment Performance Report" (National Grid 2018), and the modifications to the dissolved oxygen sampling program (Dissolved Oxygen Modification Request; National Grid 2019). The above-referenced modifications were approved by the NYSDEC on June 1, 2018 and October 24, 2019, respectively. The NYSDEC correspondence regarding the modification approvals are provided in **Appendix A**.

#### 1.1 Site Location and Description

National Grid's corporate predecessor, KeySpan Corporation, entered into an Order on Consent (#D1-0001-98-11) with the NYSDEC to investigate and remediate MGP-related residuals at the Site and surrounding areas in the Villages of Hempstead and Garden City, in the Town of Hempstead, Nassau County, New York. The Site is generally bounded by Second Street to the north, an inactive Long Island Railroad (LIRR) Right-of-Way (ROW) to the east, Intersection Street to the south, and a Village of Garden City (VGC) municipal property to the west which contains a public parking lot, two public water supply wells, and a recharge basin that is used to service the water supply wells (**Fig. 1 and 2**). The area immediately surrounding the Site is developed with residential and commercial properties. The Site includes an active natural gas regulator station in the northwest corner of the property, storage areas used by National Grid and its contractors, and a storage area for new cars that is leased to a car dealership.

In addition to the Site, the following off-Site areas were subjected to soil remediation via excavation removal/backfill and in situ solidification (ISS):

- The VGC municipal property that is adjacent to and west of the Site.
- The parking lot of the Plaza 230 Professional Office Building (POB) that is south of the Site.
- Intersection Street ROW that is between the Site and the POB parking lot.
- The inactive LIRR ROW that is adjacent to and east of the Site.
- Oswego Oil Storage Terminal that is just north of Intersection Street and east of the Site.

These off-Site Areas are shown in **Fig. 2** and the Site and adjacent parcels are identified by the Section, Block, and Lot numbers in **Fig. 3**. Additional off-Site remedial activities include the installation and operation of two oxygenation systems that treat groundwater through oxygen delivery to the subsurface, the installation and sampling of monitoring wells located throughout the project area and the recovery of dense non-aqueous phase liquid (DNAPL).

## 1.2 Remedial Chronology

National Grid has performed two interim remedial measures (IRMs) and two remedial actions (one off-Site and one on-Site), which are summarized below.

- A "cut and plug" IRM was conducted in 1999 and 2000. Underground piping associated with historic MGP operations was located, cut, drained of any fluids, and plugged to limit the potential for any off-Site migration of MGP-related constituents.
- A second IRM was implemented in 2008 to excavate shallow MGP source materials from the Site and to recover DNAPL from groundwater. A total of 4,432 cubic yards (cy) of MGP-impacted soil and construction/demolition debris was transported to a licensed facility for off-Site treatment and disposal. MGPimpacted liquid (9,493 gallons) was containerized and transported to a licensed facility for off-Site treatment and disposal.
- As part of an off-Site remedial action remedial action, National Grid installed two groundwater oxygenation systems downgradient of the Site (see Fig. 4). These systems are components of the full Site-wide remedy and inject oxygen to the downgradient groundwater plume. The primary objective of the off-Site groundwater oxygenation systems is to increase the level of DO in the groundwater to encourage aerobic bioremediation of organic contaminants. As contaminated groundwater flows through the treatment areas, the increased DO accelerates the rate at which the dissolved contaminant mass is bioremediated and the contaminant concentrations in groundwater decrease. System #1 was brought on-line in April 2011 and is located immediately south of the Site and runs generally east-west from Hilton Avenue to Sealy Avenue, in a neighborhood that includes residential and light commercial spaces, as well as a portion of the LIRR ROW. System #2 was brought on-line in October 2010 and is located in a primarily residential neighborhood about 500 ft to the south of System #1, running from Mirschel Park to Kensington Court.
- The on-Site remedial action (including portions of adjacent parcels as described in Section 1.1) was completed between 2011 and 2016 and included an excavation and ISS remedy addressing MGP source material on the Site and adjacent off-Site areas. Elements of the remedial action included:
  - 1. Excavation of MGP structures and shallow targeted MGP-impacted soil from the Site and treatment/disposal off-Site.
  - 2. Excavation of shallow clean soil and stockpile for later backfill.

- 3. Solidification of deeper targeted MGP source material beneath the Site using ISS.
- 4. Construction of an approximately 15-ft deep subsurface soil-crete retaining wall in the POB parking lot and in portions of Wendell Street and Intersection Street. The soil-crete wall consisted of soil mixed with a cement-based grout to provide concrete-like properties.
- 5. Excavation to approximately 15 ft below ground surface (bgs) within the soil-crete wall and stockpiling/reuse clean overburden soils and then solidification of deeper targeted MGP source material.
- 6. Solidification of targeted MGP source material in the VGC municipal property and the Oswego Oil Storage Terminal property.
- 7. Coverage of solidified material, known as a cover system, with approximately four feet of clean soil. Surface cover materials to prevent contact with solidified materials and remaining untreated contaminated soil at the Site and adjacent off-Site areas are as follows:
  - National Grid Property:
    - New York State Department of Transportation (NYSDOT) select stone cover (4 inches thick) in disturbed/work areas.
    - Asphalt pavement (for access roads and asphalt parking).
    - o Select stone-lined swale (4 inches thick).
  - VGC Municipal Property:
    - Asphalt pavement (access roads and asphalt parking).
    - Landscaped area including:
      - Topsoil and grass vegetation.
      - Landscape strips with topsoil (6-inches)/grass, shrubs, and trees.
  - Wendell Street, Intersection Street, and Wydler Place:
    - Asphalt cover with concrete curbs, adjacent topsoil
       (6 inches)/grass strips, concrete sidewalks, and trees.
  - POB Parking Lot:
    - Asphalt paving.

- o Curbed decorative gravel islands with trees.
- Oswego Oil Storage Terminal area where ISS was completed:
  - o Four inches of asphaltic concrete on top of 4 inches of subbase course.

# 2. Institutional Control/Engineering Control (IC/EC) Plan Compliance

Since solidified material and remaining impacted soil and groundwater exists beneath the Site and in some off-Site areas, ICs and ECs exist to protect human health and the environment. The SMP includes provisions to protect human health and the environment from groundwater contamination in addition to managing the remaining soil contamination. The intent of this section is to provide a description of the IC/ECs in place for the Site and off-Site areas, the objective and status of each IC/EC, as well as to provide a mechanism used to monitor and enforce ICs and ECs, where appropriate.

#### 2.1 Institutional Controls

A series of ICs is required by the Decision Document to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to MGP-related residuals by controlling disturbances of the subsurface contamination; and (3) limit the use and development of the Site to restricted residential use, as indicated in the Environmental Easement unless other future uses are approved by the NYSDEC. These ICs are as follows:

- Compliance with the Environmental Easement by the Grantor and the Grantor's successors and assigns with all elements of the SMP.
- Compliance with the Access Agreement.
- All ECs must be operated and maintained as specified in the SMP by National Grid.
- All ECs must be inspected and certified by National Grid or a contractor of National Grid at a frequency and in a manner defined in the SMP.
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP.
- Data and information pertinent to site management must be reported by National Grid at the frequency and in a manner defined in the SMP.
- Site and off-Site area environmental monitoring including but not limited to, groundwater monitoring wells and oxygen injection points, must be maintained to ensure continued functioning in the manner specified in the SMP.

ICs 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 restrictions. Adherence to these ICs is required by the Environmental Easement on the Site. Restrictions that apply to the Site and off-Site areas as indicated below are as follows:

- Use of the Site is approved for restricted residential use. Any specific future development must comply with local laws and regulations.
- Use of groundwater underlying the Site or the other properties that were subjected to soil remediation via excavation removal/backfill and ISS (as described in Section 1.1) is prohibited without treatment to ensure it is safe for the intended use.
- All future activities on the Site or surrounding areas that were subjected to soil
  remediation via excavation removal/backfill and ISS that will disturb
  contaminated and/or solidified material must not be conducted unless they are
  conducted in accordance with the SMP and accompanying Excavation Work Plan
  (EWP).
- Implementation of a Health and Safety Plan (HASP) and EWP prior to any ground intrusive activity including but not limited to utility work, boring completion, monitoring well installation, and excavation; with the exception of normal landscaping (to a maximum of 24 inches below ground surface or top of the groundwater table, whichever is shallower).
- The potential for vapor intrusion must be evaluated for any new buildings proposed on the Site or at off-Site areas that were subjected to soil remediation via excavation removal/backfill and ISS, and any potential impacts that are identified must be monitored or mitigated.
- Written notification at least 60 days in advance for changes in use at the Site or to off-Site areas that were subjected to soil remediation via excavation removal/backfill and ISS must be submitted to NYSDEC as per Part 375 and DER-10.
- Vegetable gardens and farming on the Site are prohibited.
- National Grid will submit to NYSDEC a written statement that certifies that:
  (1) controls employed at the Site 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 Site at 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.

## 2.2 Engineering Controls

The SMP lists the following ECs:

- Cover system.
- DNAPL monitoring and recovery.
- Operation of groundwater oxygenation systems.

A description of each of the ECs is provided below. Monitoring activities are discussed in subsequent sections.

#### 2.2.1 Cover System

Contact with MGP-related residuals in soil and solidified material at the Site and adjacent off-Site areas is prevented by multiple cover systems. Locations of the various cover systems are provided in the SMP. The cover systems, exclusive of any underlying fill that was described earlier in Section 1.2, are comprised of asphalt pavement, concrete sidewalks, concrete slabs, select stone (gravel), or vegetated topsoil.

## 2.2.2 DNAPL Monitoring & Recovery

DNAPL is gauged monthly from one well in the off-Site area (HIMW-21). Recovery is conducted when DNAPL thickness reaches approximately 2.5 ft, which is significantly less than the 10-ft sump installed in the well. The collected DNAPL is transferred to a collection drum stored on-Site, and properly disposed of off-Site.

## 2.2.3 Oxygenation Systems

Remediation of the dissolved phase groundwater plume is addressed through the continued operation of the oxygenation treatment systems. Oxygen delivery is comprised of systems that deliver oxygen to the groundwater at rates determined to be sufficient to maintain aerobic conditions in the aquifer. Aerobic conditions allow naturally occurring bacteria to oxidize and break down contaminants into water and carbon dioxide. Systems are inspected on a monthly basis. During each monthly inspection, repairs and routine operation and

maintenance activities are performed. The dissolved oxygen levels are measured quarterly in monitoring wells installed adjacent to the delivery points to confirm that aerobic conditions are present.

System No. 1 was brought on-line in April 2011 and is located immediately south of the Site and runs generally east-west from Hilton Ave to the west to Sealy Ave to the east, in a neighborhood that includes residential and light commercial spaces, as well as a portion of the LIRR ROW. System No. 2 was brought on-line in October 2010 and is located in a primarily residential neighborhood about 500 ft to the south of System No. 1, running from Mirschel Park to the east to Kensington Court to the west. The location of the system is shown in **Fig. 4**.

#### 2.3 IC/EC Plan Evaluation

The following Plans are applicable at the Site or to off-Site areas that were subjected to soil remediation via excavation removal/backfill and ISS, as outlined in the SMP.

#### 2.3.1 Excavation Work Plan

Any future intrusive work (e.g., through drilling, trenching, excavation) that will penetrate, encounter or disturb the cover systems, or encounter or disturb solidified material and/or MGP-related residuals including any modifications or repairs to the existing cover systems, will be performed in compliance with the EWP included as Appendix B of the SMP. Should the monolith be breached, removed monolith material will be disposed off-Site as contaminated material, and provisions will be made to avoid ponding on the breached monolith surface. Adherence to these ICs on the Site is required by the Environmental Easement and will be implemented under the SMP.

Any work conducted pursuant to the EWP must also be conducted in accordance with a HASP and Community Air Monitoring Plan (CAMP) prepared for the Site, in accordance with DER-10, 29 Code of Federal Regulations (CFR) 1910, 29 CFR 1926, and all other applicable Federal, State and local regulations. Any intrusive construction work will be performed in compliance with the EWP, HASP and CAMP, and will be included in the periodic inspection and certification reports submitted under the SMP.

The affected property owner(s) and the contractor performing the excavation work are completely responsible for the safe performance of all invasive work, the structural integrity of excavations, the identification of any buried utilities within the excavation area and for structures that may be affected by excavations (such as building foundations and footings), and control of runoff from open excavations onto solidified material and/or MGP-related residuals. In addition, the property owner(s) will ensure that site development activities will not interfere with, or otherwise impair or compromise, the ECs described in the SMP.

#### 2.3.2 Soil Vapor Intrusion Evaluation

Prior to the construction of any new enclosed structures on the Site or to off-Site areas that were subjected to soil remediation via excavation removal/backfill and ISS, a soil vapor intrusion (SVI) evaluation will be performed to determine whether any mitigation measures are necessary to eliminate potential exposure to vapors in the proposed structure. The design of a new building foundation will also be considered in this type of evaluation. Alternatively, an SVI mitigation system and/or vapor barrier can be installed as an element of the building foundation without first conducting an investigation. The mitigation system would potentially include a vapor barrier and passive sub-slab venting system that is capable of being converted to an active system.

Prior to conducting an SVI investigation or installing a mitigation system, a work plan would be developed and submitted to the NYSDEC and New York State Department of Health (NYSDOH) for approval. This work plan would be developed in accordance with the most recent NYSDOH "Guidance for Evaluating Vapor Intrusion in the State of New York." Measures to be employed to mitigate potential vapor intrusion will be evaluated, selected, designed, installed, and maintained based on the SVI evaluation, the NYSDOH guidance, and construction details of the proposed structure.

### 2.3.3 Contingency Plan

The SMP includes a Contingency Plan to respond to emergencies including injury to personnel, fire or explosion, environmental release, or serious weather conditions. In the event of any emergency, the procedures detailed in the Contingency Plan Section of the SMP will be followed.

No emergencies occurred during the reporting period that required implementation or modification of the Contingency Plan.

#### 2.3.4 Corrective Measures Plan

If any component of the remedy is found to be compromised, or if the periodic certification cannot be provided due to an issue with an institutional or engineering control, a Corrective Measures Plan will be submitted to the NYSDEC for approval. This plan will explain the failure and provide the details and schedule for performing work necessary to correct the failure. Unless an emergency condition exists, no work will be performed pursuant to the Corrective Measures Plan until it is approved by the NYSDEC.

As no component of the remedy was found to be compromised during the reporting period, a Corrective Measures Plan was not required.

### 2.4 Inspections and Notifications

### 2.4.1 Inspections

Inspections of all remedial components and all ECs present at the Site and off-Site areas will be conducted at the frequency specified in the SMP Monitoring Plan schedule. A comprehensive Site-wide inspection will be conducted annually, regardless of the frequency of the Periodic Review Report. The inspections will determine and document the following:

- Whether ECs continue to perform as designed.
- If these controls continue to be protective of human health and the environment.
- Compliance with requirements of the SMP and the Environmental Easement/Access Agreement.
- Achievement of remedial performance criteria for groundwater.
- Sampling and analysis of appropriate media during monitoring events.
- If Site records are complete and up to date.
- Changes, or needed changes, to the ECs.

Inspections will be conducted in accordance with the procedures set forth in the SMP.

If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs, an inspection of the Site by a qualified environmental professional will be conducted within five days of the event to verify the effectiveness of the EC/ICs implemented at the Site or off-Site areas. If there are observed issues they will be documented.

#### 2.4.2 Notifications

The following notifications will be submitted by the owner(s) of the properties subject to remediation (excavation and ISS) to National Grid and the NYSDEC as needed for the following reasons:

- 60-day advance notice of any proposed changes in property use that are required under the terms of the Order on Consent, 6 NYCRR Part 375, and/or Environmental Conservation Law (ECL).
- 15-day advance notice of any proposed ground-intrusive activities pursuant to the EWP.

- Notice within 48 hours of any damage or defect to the foundations or structures that reduces or has the potential to reduce the effectiveness of other ECs and likewise any action to be taken to mitigate the damage or defect.
- Notice within 48 hours of any emergency, such as a fire, flood, or earthquake that reduces or has the potential to reduce the effectiveness of ECs in place at the Site of in off-Site areas, including a summary of actions taken, or to be taken, and the potential impact to the environment and the public.
- Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action shall be submitted to National Grid and the NYSDEC within 45 days and shall describe and document actions taken to restore the effectiveness of the ECs.

National Grid will review and provide comments as appropriate on all planned ground-intrusive activities proposed on properties located within the limits of the areas covered by SMP. National Grid must have a full-time representative on-site per the Order on Consent during any ground-intrusive work activities and document compliance with the SMP.

Any change in the ownership of the properties subjected to remediation or the responsibility for implementing the SMP will include the following notifications:

- At least 60 days prior to the change, National Grid and the NYSDEC will be notified in writing of the proposed change. This will include a certification that the prospective purchaser has been provided with a copy of the SMP, Access Agreement, and all approved work plans and reports.
- Within 15 days after the transfer of all or part of the property, the new owner's name, contact representative, and contact information will be confirmed in writing.

## 3. Monitoring Plan Activities and Compliance

#### 3.1 Monitoring Plan Description

The Monitoring Plan is designed to evaluate the performance and effectiveness of the remedy to reduce or mitigate contamination at the Site or in off-Site areas. The plan includes monitoring procedures for the three ECs and affected Site media. The monitoring program schedule and requirements are provided in **Tables 1** and **2**, respectively. The Monitoring Plan may only be revised with the approval of NYSDEC.

## 3.2 Site Inspections and Cover System Monitoring

An annual Site-wide inspection is required to ensure that the cover system continues to be effective at preventing direct exposure to residual contamination throughout the Site and affected off-Site areas. Inspections of remedial components will also be conducted when a breakdown of any component has occurred or whenever a severe condition has taken place, such as an erosion or flooding event that may affect the ECs.

The inspection will facilitate the compilation of sufficient information to assess the following:

- Whether ECs continue to perform as designed.
- If these controls continue to be protective of human health and the environment.
- Compliance with requirements of the SMP and the Environmental Easement/Access Agreement.
- Achievement of remedial performance criteria for groundwater.

No impacts or disturbances to the cover system were observed during the reporting period. GEI performed the annual Site-wide inspection on March 5, 2021. Since the ISS monolith is at least 4 ft below ground surface and is overlain by the soil backfill and cover, monitoring of the cover has been deemed sufficient for ISS monolith inspection.

In addition, GEI accessed the Site and off-Site areas monthly or quarterly (at a minimum) and no disturbances to the cover system were noted. The annual Site-wide inspection was documented on the inspection form presented in **Appendix B**.

Portions of the Site are being used for storage by National Grid and (through a lease) the adjacent automobile dealer through 2023. However, these uses have not impacted the surface cover integrity and its surfaces and thicknesses.

#### 3.3 **Reporting Period Monitoring**

DNAPL and groundwater monitoring were conducted during the reporting period. Monitoring dates and other relevant information are provided in this section. DNAPL gauging and/or collection was performed at well HIMW-21 on:

April 24, 2020

October 26, 2020

May 15, 2020

November 23, 2020

June 16, 2020

December 16, 2020

July 14, 2020

January 19, 2021

August 12, 2020

February 25, 2021

September 17, 2020 • March 25, 2021

#### 3.3.1 Groundwater

Groundwater monitoring events consisting of depth-to-groundwater measurements and groundwater sampling are currently conducted semi-annually. On June 1, 2018, NYSDEC approved reducing the frequency of groundwater sampling from quarterly to semi-annually. **Table 2** lists the wells that are gauged for water level and presence of NAPL and/or sampled. Each groundwater sample is analyzed by a NYSDOH Environmental Laboratory Accreditation Program (ELAP) certified laboratory for benzene, toluene, ethylbenzene, and xylenes (BTEX) United States Environmental Protection Agency (USEPA) Method SW8260C and polycyclic aromatic hydrocarbon (PAHs) by USEPA Method SW8270D.

Groundwater sampling was performed at 30 wells on the following dates:

- Q3 2020 September 14, 15, 16, 17, and 18, 2020 and October 6, 2020
- Q1 2021 March 1, 2, 3, 4, and 5, 2021

Depth-to-groundwater measurements were taken from all accessible wells during each monitoring event identified above.

Data Usability Summary Reports (DUSRs) for groundwater samples collected in September and October 2020 and March 2021 are included as **Appendix C**.

## 3.4 Summary of Monitoring Results

The results of the depth-to-water measurements and NAPL gauging events for Q3 2020 and Q1 2021 are presented in **Tables 3** and **4**, respectively. The results of the DNAPL recovery from HIMW-21 are presented in **Table 5**. The results of the groundwater sampling analyses are presented in **Table 6** and in **Figs. 5** and **6**. Groundwater contour maps for the three depth zones for each sampling event are presented in **Figs. 7** through **12**.

During the reporting period, monitoring well HIMW-21 was gauged monthly for the presence of DNAPL. A total of approximately 7.1 gallons of DNAPL were recovered during the reporting period during four recovery events (August 12 and December 16, 2020 and January 19 and March 25, 2021). DNAPL recovery is performed in HIMW-21 when the measured thickness is greater than 2.5 ft, which is significantly below the sump length of 10 ft. HIMW-21 is the only remaining monitoring well with observed DNAPL.

Groundwater at the Site and at off-Site areas was determined to flow in a generally southerly direction. This is consistent with previous sampling events.

Exceedances of the NYSDEC Ambient Water Quality Standards (AWQS) were observed in five wells during the September and October 2020 and four wells during the March 2021 sampling event. The exceedances included BTEX compounds and select PAHs (acenaphthene and naphthalene) which were identified upgradient of Treatment System #1. No exceedances of the AWQS were identified downgradient of Treatment System #1.

The configuration of the plume as defined by concentrations of BTEX or PAHs above  $100~\mu\text{g/L}$  was generally similar in the two sampling events conducted during the current PRR period (**Figs. 5** and **6**). The plume was slightly narrower in width in the March 2021 sampling event due to significant reductions in monitoring well HIMW-26D. The data collected from the September and October 2020 and March 2021 sampling events show the plume has been reduced from previous sampling events, where it was shown to extend beyond Oxygenation System #1 (System #1). These reductions are likely due to the more consistent operation of System #1 during the current reporting period. The elevated concentrations of BTEX (650.5  $\mu\text{g/L}$ ) and PAHs (1,688.6  $\mu\text{g/L}$ ) previously detected in monitoring well HIMW-24 during the September 2018 sampling event were significantly reduced in subsequent sampling events and were non-detect in the September and October 2020 and March 2021 sampling events.

The remaining wells with elevated (>100  $\mu$ g/L) concentrations of BTEX or PAHs upgradient of Treatment System #1 during the reporting period include HIMW-05I, HIMW-05D, HIMW-26D, HIMW-27S, and HIMW-28S. Remaining wells with concentrations above 1,000  $\mu$ g/L were limited to PAH's in wells HIMW-05I, HIMW-05D, and HIMW-27S in at least one sampling event during the reporting period. Concentration trends in HIMW-26D

have generally been decreasing during the reporting period, while concentrations in HIMW-05I, HIMW-05D and HIMW-28S have been generally increasing, although all remained within their historical concentration range. The concentrations in HIMW-27S and HIMW-28S have been relatively stable.

The DO monitoring points near both System #1 and Oxygenation System #2 (System #2) were monitored quarterly. The DO concentrations have generally remained elevated as shown by the readings from April 2020 through March 2021 that are presented in **Table 7**. The DO concentrations downgradient of the two systems are shown in **Figs. 13** and **14**. Further discussion of the DO concentrations and the effectiveness of the oxygenation systems is provided in Section 4. The groundwater treatment system performance data for the above-referenced period is included as **Appendix D**.

Potentiometric heads and NAPL thickness measurements for September 2020 and March 2021 are presented in **Tables 3** and **4**, respectively. Potentiometric surface maps for shallow, intermediate, and deep groundwater zones were developed using this data and are shown in **Figs. 7** through **12** for the three monitoring events conducted during the reporting period. The data indicate that the direction of groundwater flow within the well field was south for shallow, intermediate, and deep-water bearing zones.

## 3.5 Well Box Replacement and Monitoring Well Survey

Several wells with damaged well boxes were repaired and resurveyed during the reporting period.

# 4. Operation and Maintenance Activities and Compliance

## 4.1 Oxygenation System Description

There are two oxygenation systems installed to enhance the groundwater oxygen concentrations in the groundwater plume (**Fig. 4**). The aerobic conditions allow bacteria to biologically degrade dissolved hydrocarbons, including BTEX and PAHs. System #1 is located along Smith Street, a portion of the LIRR ROW, and a portion of Hilton Avenue and began operation in April 2011. System #2 extends from Mirschel Park in the east to Kensington Court in the west and began operation in October 2010.

In May 2011, soon after the start-up of the two systems, the dissolved phase groundwater plume extended approximately 2,000 ft to the south of the Site, as shown in **Fig. 15** and extended over 3,600 ft prior to the implementation of remedial activities. The plume boundaries were defined by total BTEX and/or total PAH concentrations greater than 100  $\mu$ g/L. The locations and depths of the injection wells are presented in **Figs. 16** and **17** for Systems #1 and #2, respectively.

## 4.2 Operational Summary

Overall, the system operated efficiently during the reporting period with the exceptions noted below.

System #1 was not operational from September 26, 2020 to September 28, 2020 due to a power outage and from February 2, 2021 to March 1, 2021 due to a hose leak on the compressor that had to be replaced. The extended downtime was due to lead time to acquire the new hose.

System #2 was not operational for a total of 18 days in July, August, and September 2020 due to multiple power outages; approximately nine days in October and December 2020 due to power outages and a frozen dryer; and approximately 18 days in January, February, and March 2021 due to a frozen dryer.

A total of nine oxygen delivery wells (three in System #1 and five in System #2) have been taken offline due to low pressure which could be indicative of a leak within the delivery line or injection well head. Since the system has been successful at maintaining aerobic conditions within the aquifer and no rebound of contaminants have been noted in

groundwater, repairs to the oxygen delivery wells that are currently off are unnecessary at this time.

#### 4.3 Summary of Oxygen Level Measurements

DO levels were measured quarterly for this reporting period, excluding Q2 2020 in which monitoring was not performed due COVID-19 work restrictions imposed by New York State. On October 24, 2019, the NYSDEC approved the change of monitoring frequency from monthly to quarterly. The monitoring locations are shown in **Figs. 16 and 17**.

The dissolved oxygen concentrations in wells downgradient of System #1 averaged between 10.7 milligrams per liter (mg/L) in Q1 2021 to a high of 25.8 mg/L during Q3 2020, with a cumulative average of 17.9 mg/L during the reporting period. The dissolved oxygen concentrations in wells downgradient of System #2 averaged between 11.5 mg/L in Q1 2021 to a high of 20.0 mg/L during Q3 2020, with a cumulative average of 16.1 mg/L during the reporting period. The Q1 2021 results in wells downgradient of System #1 and System #2 were below average for the reporting period possibly due to the downtime detailed above, but remained at adequate levels to maintain biodegradation. The results of the DO monitoring are presented in **Table 7** and shown in **Figs. 13** and **14**. **Appendix D** contains the oxygen injection operation and maintenance log sheets for the reporting period.

#### 4.4 Evaluation of Effectiveness

**Fig. 13** shows that oxygen concentrations for System #1 decreased in Q1 2021 due to the compressor hose leak. The aquifer remained under aerobic conditions during the downtime.

**Fig. 14** shows that oxygen concentrations for System #2 decreased in Q1 2021 due to several shutdowns of the system caused by a frozen dryer. The aquifer remained under aerobic conditions during the downtime.

The two oxygenation systems remain effective in maintaining high oxygen concentrations in the groundwater. Concentrations of contaminants in groundwater also remained low as discussed in Section 3.4.

## 5. Overall PRR Conclusions and Recommendations

## 5.1 Compliance with SMP

National Grid has operated and maintained the Site in compliance with the SMP, excluding interruptions to the operation of the oxygenation systems. The systems required repairs which were subsequently conducted, allowing the resumption of system operation. The NYSDEC IC/ECs Certification Form is provided in Appendix E.

## 5.2 Performance and Effectiveness of Remedy

The ICs/ECs remain effective at this Site and in off-Site areas. The largest component of the remedy was the solidification of 168,600 cy of soil. While there is no direct monitoring of the monolith created by this solidification, it remains in place under cover materials. The cover system is unchanged, with no intrusive activities noted that penetrated the cover. Based on inspection of the off-Site area properties, which did not reveal any evidence of intrusive activities, the cover system is unchanged, and no intrusive activities took place that penetrated the cover system.

Due to the presence of residual contamination beneath the POB known as Plaza 230, and beneath the powerline running along the LIRR ROW, some dissolved phased contamination remains immediately downgradient of the solidified monolith. However, this contamination is effectively treated by System #1 as detailed below. During this reporting period, 7.1 gallons of NAPL were recovered from the one recovery well (HIMW-21) located near the POB. This well is located within an area inaccessible for ISS treatment.

The oxygenation systems have been effective in reducing the size and concentration of the downgradient plume. In contrast to the current plume extent shown in **Figs. 5** and **6**, the plume as it existed at the time of the start-up of the oxygenation systems (**Fig. 15**) has been reduced by approximately 2,000 ft. Further reductions (as great as 3,600 ft) are evident when compared to the pre-remedial extent. **Figs. 18** (**A and B**) and **19** (**A and B**) show total BTEX and total PAH concentrations (respectively) in all wells monitoring the plume downgradient of System #1. These charts use a logarithmic concentration scale to effectively show the wide range of concentrations observed in these wells. For the purposes of data presentation, non-detects are shown as a concentration of 1  $\mu$ g/L. These charts show there has been a clear decreasing trend in these wells since the startup of the two systems. This trend is especially clear in wells located farther downgradient including HIMW-13I and -13D, HIMW-14I, and HIMW-15I, that directly intercepted the plume. This trend is more

evident with BTEX than with PAHs. Historically, several wells located in between the two oxygenation systems, including HIMW-20I, HIMW-24 and HIMW-25, have shown significant variation in concentrations. These variations are likely related to the periods of operational downtime experienced with System #1. Prior to the extended period of downtime from June 2017 to February 2018, concentrations in the above-referenced wells were generally trending downward, with some variation noted in HIMW-24 which is located farthest from System #1. Increasing concentrations coinciding with and following the downtime period were noted. However, there were no exceedances of the AWQS in any monitoring wells downgradient of System #1 during the reporting period. The reinstallation and sampling of HIMW-12I, which is located downgradient of HIMW-24, was conducted during the current reporting period. There were no detection of BTEX or PAHs in HIMW-12I or any other well located between the two oxygenation systems during the reporting period.

#### 5.3 Recommendations

Continue performance monitoring in accordance with the SMP and subsequent NYSDEC-approved modifications as described below.

The frequency of well HIMW-21 NAPL gauging (and if appropriate, NAPL collection) will continue at a monthly frequency. Groundwater sampling will be conducted semi-annually, and dissolved oxygen monitoring will be conducted quarterly as approved in the June 1, 2018 and October 24, 2019 letters from NYSDEC, respectively.

National Grid recommends that Oxygenation System #2 be shutdown based on the lack of groundwater exceedances of the AWQS downgradient of System #1 since Q3 2019 (HIMW-24). A request to shut down the system will be submitted separately to NYSDEC. The request will also include recommended criteria and procedures for post-shutdown monitoring, system restart (if the criteria are not met), and potential removal of the system after a specific duration (if the criteria are met).

## 6. References

- NYSDEC (2010). "DER-10 / Technical Guidance for Site Investigation and Remediation," May.
- URS Corporation (2017). "Site Management Plan for the Hempstead Intersection Street Former Manufactured Gas Plant Site, Villages of Hempstead & Garden City, Nassau County, New York," February.
- AECOM USA, Inc. (2019). "Periodic Review Report April 6, 2017 through February 28, 2019, Hempstead Intersection Street Former MGP Site," March.

Table 1 . Monitoring Program Schedule Hempstead Intersection Street Former MGP Site National Grid Hempstead, New York

Monitoring/Inspection	Frequency	Analysis	Reporting Frequency
Cover System: Former MGP Area and LIRR ROW	Annually	none	Annually
Cover System: Village of Garden City Property	Annually	none	Annually
Cover System: Oswego Oil Storage Terminal Area	Annually	none	Annually
Cover System: Restored Roadway Areas	Annually	none	Annually
Cover System: POB Parking Lot	Annually	none	Annually
Groundwater Monitoring	Semi-Annually	Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) by USEPA Method 8260C and polycyclic aromatic hydrocarbons (PAHs) by USEPA Method 8270D	Annually
Groundwater level measurements and potentiometric surface map(s)	Semi-Annually	N/A	Annually
DNAPL Depth Gauging	Monthly	Depth	Annually
Treatment System Monitoring	Monthly/ Quarterly*	Dissolved Oxygen	Annually

\* On October 24, 2019, NYSDEC approved changing the frequency of dissolved oxygen sampling to quarterly. N/A=Not Applicable
LIRR=Long Island Railroad
ROW=Right of Way
MGP=Manufactured Gas Plant
POB=Professional Office Building

Table 2. Monitoring Requirements
Hempstead Intersection Street Former MGP Site
National Grid
Hempstead, New York

Frequency		Semi-Annual								
Well Id	Water Level	NAPL Thickness	Water Quality	DNAPL Thickness						
HIMW-03S	X	X	Х							
HIMW-03I	Х	X	Х							
HIMW-03D	X	Х	Х							
HIMW-04S	X	Х								
HIMW-04I	X	Х								
HIMW-04D	X	Х								
HIMW-05S	Х	Х	Х							
HIMW-05I	Х	Х	Х							
HIMW-05D	Х	Х	Х							
HIMW-08S	Х	Х	Х							
HIMW-08I	Х	Х	Х							
HIMW-08D	Х	Х	Х							
HIMW-09S	X	X								
HIMW-09I	X	X								
HIMW-09D	X	X								
HIMW-10S	X	X								
HIMW-10I	X	X								
HIMW-11S	X	X								
HIMW-11I	X	X								
HIMW-11D	X	X								
HIMW-12S	X	X	X							
HIMW-12I	X	X	X							
HIMW-12D*	Λ	Λ	Λ							
HIMW-13S	Х	Х	Х							
HIMW-13I	X	X	X							
HIMW-13D	X	X	X							
HIMW-14I	X	X	X							
HIMW-14D	X	X	X							
HIMW-15I	X	X	X							
HIMW-15D	X	X	X							
HIMW-20S	X	X	X							
HIMW-20I	X	X	X							
HIMW-21	X	X	^	X						
HIMW-22	X	X	X	^						
HIMW-23	X	X	X							
HIMW-24	X	X	X							
HIMW-25	X	X	X							
HIMW-26I HIMW-26D	X	X	X							
HIMW-27S	X	X	X							
HIMW-271	X	X	X							
HIMW-28S	X	X	X							
HIMW-28I	X	X	X							
PZ-02			^							
PZ-02 PZ-03	X	X								
PZ-03 OSMW-02	X	X								
	X	X								
OSMW-03 Notes:	^	^								

Field marked with "X" indicates that the activity is to be performed.

Blank field indicates that the activity not required.

MGP=Manufactured Gas Plant

<sup>\*-</sup>Monitoring well abandoned

Table 3. Groundwater and NAPL Measurements Third Quarter 2020 Hempstead Intersection Street Former MGP Site National Grid Hempstead, New York

Well ID	Date	Elevation of TOR	Depth to LNAPL	Water	Depth to DNAPL	Well Depth	Thickness of LNAPL	Thickness of DNAPL	Corrected Potentiometric Head <sup>(1)</sup>
		[ft amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-03S	9/18/2020	65.00	ND	18.89	ND	34.33	0	0.00	46.11
HIMW-03I	9/18/2020	64.94	ND	19.24	ND	85.00	0	0.00	45.70
HIMW-03D	9/18/2020	65.26	ND	19.76	ND	142.01	0	0.00	45.50
HIMW-04S	9/18/2020	72.02	ND	27.21	ND	42.67	0	0.00	44.81
HIMW-04I	9/18/2020	71.91	ND	27.41	ND	90.50	0	0.00	44.50
HIMW-04D	9/18/2020	71.78	ND	28.02	ND	176.98	0	0.00	43.76
HIMW-05S	9/18/2020	67.19	ND	21.55	ND	38.31	0	0.00	45.64
HIMW-05I	9/18/2020	67.22	ND	25.43	ND	90.49	0	0.00	41.79
HIMW-05D	9/18/2020	67.22	ND	27.55	ND	135.67	0	0.00	39.67
HIMW-08S	9/18/2020	64.03	ND	19.81	ND	36.88	0	0.00	44.22
HIMW-08I	9/18/2020	63.98	ND	19.77	ND	74.82	0	0.00	44.21
HIMW-08D	9/18/2020	63.97	ND	19.78	ND	114.40	0	0.00	44.19
HIMW-09S	9/18/2020	70.03	ND	24.27	ND	39.77	0	0.00	45.76
HIMW-09I	9/18/2020	69.93	ND	24.23	ND	80.49	0	0.00	45.70
HIMW-09D	9/18/2020	69.96	ND	24.31	ND	122.90	0	0.00	45.65
HIMW-10S	9/18/2020	70.07	ND	24.91	ND	39.30	0	0.00	45.16
HIMW-10I	9/18/2020	69.90	ND	24.71	ND	89.69	0	0.00	45.19
HIMW-11S	9/18/2020	70.60	24.06	25.34	ND	40.22	0.04	0.00	45.26
HIMW-11I	9/18/2020	70.43	ND	25.17	ND	93.22	0	0.00	45.26
HIMW-11D	9/18/2020	70.43	ND	25.17	ND	122.24	0	0.00	45.26
HIMW-12S	9/18/2020	60.52	ND	17.58	ND	33.10	0	0.00	42.94
HIMW-12I	9/18/2020	60.61	ND	17.61	ND	73.7	0	0.00	43.00
HIMW-12D	9/18/2020	61.82	NM	NM	NM	NM	NM	NM	NC
HIMW-13S	9/18/2020	72.58	ND	30.59	ND	48.47	0	0.00	41.99
HIMW-13I	9/18/2020	72.51	ND	30.54	ND	81.43	0	0.00	41.97
HIMW-13D	9/18/2020	72.47	ND	30.53	ND	121.93	0	0.00	41.94
HIMW-14I	9/18/2020	71.06	ND	29.77	ND	95.82	0	0.00	41.29
HIMW-14D	9/18/2020	70.85	ND	32.62	ND	151.82	0	0.00	38.23
HIMW-15I	9/18/2020	64.18	ND	26.90	ND	92.41	0	0.00	37.28
HIMW-15D	9/18/2020	63.96	ND	27.58	ND	152.00	0	0.00	36.38
HIMW-20S	9/18/2020	69.03	ND	25.24	ND	37.69	0	0.00	43.79
HIMW-20I	9/18/2020	68.88	ND	25.67	ND	74.74	0	0.00	43.21
HIMW-21	9/18/2020	64.36	ND	20.04	44.40	45.29	0	0.89	NC
HIMW-22	9/18/2020	74.07	ND	30.76	ND	64.41	0	0.00	43.31
HIMW-23	9/18/2020	74.41	ND	29.96	ND	75.11	0	0.00	44.45
HIMW-24	9/18/2020	59.83	ND	15.27	ND	54.88	0	0.00	44.56
HIMW-25	9/18/2020	61.32	ND	17.69	ND	52.11	0	0.00	43.63
HIMW-26I	9/18/2020	68.13	ND	24.85	ND	84.85	0	0.00	43.28
HIMW-26D	9/18/2020	68.02	ND	25.54	ND	137.80	0	0.00	42.48
HIMW-27S	9/18/2020	69.53	ND	24.51	ND	39.90	0	0.00	45.02
HIMW-271	9/18/2020	68.96	ND	23.94	ND	69.92	0	0.00	45.02
HIMW-28S	9/18/2020	69.89	ND	24.54	ND	41.42	0	0.00	45.35
HIMW-28I	9/18/2020	69.67	ND	25.03	ND	71.41	0	0.00	44.64
PZ-02	9/18/2020	71.88	ND	25.69	ND	35.19	0	0.00	46.19
PZ-03	9/18/2020	63.82	ND	17.01	ND	30.66	0	0.00	46.81
OSMW-02	9/18/2020	71.59	ND	25.52	ND	45.19	0	0.00	46.07
OSMW-02	9/18/2020	71.39	ND	25.42	ND	44.70	0	0.00	45.97
Notes:	011012020	7 1.00	140	20.72	שאו	77.70	J	0.00	₹0.01

TOR=Top of Riser

LNAPL=Light Non-Aqueous Phase Liquid

DNAPL=Dense Non-Aqueous Phase Liquid

ft bgs=feet below ground surface

ft amsl=feet above mean sea level

ND=Not Detected

NM=Not Measured

NC=Not Calculated

 $<sup>^{(1)}</sup>$  Potentiometric heads in wells containing LNAPL are corrected using a specific gravity = 0.96

Table 4. Groundwater and NAPL Measurements First Quarter 2021 Hempstead Intersection Street Former MGP Site National Grid Hempstead, New York

		Elevation	Depth to	Depth to	Depth to	Well Depth	Thickness	Thickness	Corrected
Well ID	Date	of TOR	LNAPL	Water	DNAPL		of LNAPL	of DNAPL	Potentiometric
		[ft amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	Head ⊕ [ft amsl]
HIMW-03S	3/04/2021	65.00	ND.	18.19	ND.	34.30	0	0.00	46.81
HIMW-03I	3/04/2021	64.94	ND ND	19.29	ND	85.31	0	0.00	45.65
HIMW-03D	3/04/2021	65.26	ND ND	19.23	ND	143.08	0	0.00	46.25
HIMW-04S	3/08/2021	72.02	ND ND	26.55	ND	41.73	0	0.00	45.47
HIMW-04I	3/08/2021	71.91	ND ND	26.70	ND	90.55	0	0.00	45.47
		71.91	ND ND	27.00			0		
HIMW-04D HIMW-05S	3/08/2021	67.19	ND ND	20.98	ND ND	177.95 38.33	0	0.00	44.78 46.21
	3/03/2021						0		
HIMW-05I	3/03/2021	67.22	ND	21.11	ND	90.47	0	0.00	46.11
HIMW-05D	3/03/2021	67.22	ND	21.57	ND	135.60	-	0.00	45.65
HIMW-08S	3/01/2021	64.03	ND	19.09	ND	36.87	0	0.00	44.94
HIMW-08I	3/01/2021	63.98	ND	19.22	ND	74.66	0	0.00	44.76
HIMW-08D	3/02/2021	63.97	ND	19.18	ND	116.44	0	0.00	44.79
HIMW-09S	3/08/2021	70.03	ND	23.89	ND	39.80	0	0.00	46.14
HIMW-09I	3/08/2021	69.93	ND	23.79	ND	80.53	0	0.00	46.14
HIMW-09D	3/08/2021	69.96	ND	23.72	ND	123.77	0	0.00	46.24
HIMW-10S	3/08/2021	70.07	ND	24.57	ND	39.39	0	0.00	45.50
HIMW-10I	3/08/2021	69.90	ND	24.34	ND	90.71	0	0.00	45.56
HIMW-11S	3/08/2021	70.60	ND	24.71	ND	40.31	0	0.00	45.89
HIMW-11I	3/08/2021	70.43	ND	24.57	ND	93.30	0	0.00	45.86
HIMW-11D	3/08/2021	70.43	ND	24.59	ND	122.31	0	0.00	45.84
HIMW-12S	3/03/2021	60.52	ND	16.94	ND	33.09	0	0.00	43.58
HIMW-12I	3/08/2021	60.61	ND	16.94	ND	73.70	0	0.00	43.67
HIMW-13S	3/03/2021	72.58	ND	30.02	ND	48.45	0	0.00	42.56
HIMW-13I	3/03/2021	72.51	ND	29.98	ND	81.45	0	0.00	42.53
HIMW-13D	3/03/2021	72.47	ND	29.96	ND	122.95	0	0.00	42.51
HIMW-14I	3/04/2021	71.06	ND	29.05	ND	94.65	0	0.00	42.01
HIMW-14D	3/04/2021	70.85	ND	30.82	ND	151.73	0	0.00	40.03
HIMW-15I	3/05/2021	64.18	ND	23.50	ND	92.41	0	0.00	40.68
HIMW-15D	3/05/2021	63.96	ND	25.63	ND	151.99	0	0.00	38.33
HIMW-20S	3/02/2021	69.03	ND	25.22	ND	37.82	0	0.00	43.81
HIMW-20I	3/02/2021	68.88	ND	25.03	ND	74.75	0	0.00	43.85
HIMW-21	3/03/2021	64.36	NM	NM	NM	NM	NM	NM	NC
HIMW-22	3/03/2021	74.07	ND	29.00	ND	64.50	0	0.00	45.07
HIMW-23	3/03/2021	74.41	ND	30.22	ND	75.21	0	0.00	44.19
HIMW-24	3/02/2021	59.83	ND	14.72	ND	54.72	0	0.00	45.11
HIMW-25	3/02/2021	61.32	ND	17.23	ND	52.23	0	0.00	44.09
HIMW-26I	3/03/2021	68.13	ND	22.97	ND	84.95	0	0.00	45.16
HIMW-26D	3/03/2021	68.02	ND	22.99	ND	137.58	0	0.00	45.03
HIMW-27S	3/01/2021	69.53	ND	23.82	ND	42.88	0	0.00	45.71
HIMW-27I	3/01/2021	68.96	ND	23.86	ND	72.82	0	0.00	45.10
HIMW-28S	3/01/2021	69.89	ND	24.26	ND	41.56	0	0.00	45.63
HIMW-28I	3/01/2021	69.67	ND	23.98	ND	71.46	0	0.00	45.69
PZ-02	3/08/2021	71.88	ND	25.01	ND	35.28	0	0.00	46.87
PZ-03	3/08/2021	63.82	ND	16.70	ND	29.89	0	0.00	47.12
OSMW-02	3/08/2021	71.59	NM	NM	NM	NM	NM	NM	NC
OSMW-03	3/08/2021	71.39	ND	24.96	ND	45.25	0	0.00	46.43
Notes:	0,00,2021	7 1.00	.,,	2-1.00	.,,,	10.20	Ū	0.00	10.10

(1) Potentiometric heads in wells containing LNAPL are corrected using a specific gravity = 0.96

TOR=Top of Riser

LNAPL=Light Non-Aqueous Phase Liquid DNAPL=Dense Non-Aqueous Phase Liquid

ft bgs=feet below ground surface

ft amsl=feet above mean sea level

ND=Not Detected

NM=Not Measured

NC=Not Calculated

Table 5. NAPL Gauging and Recovery Hempstead Intersection Street Former MGP Site National Grid Hempstead, New York

Well ID: HIMW-021											
Date	Thickness of LNAPL (feet)	Thickness of DNAPL (feet)	Volume of NAPL Removed <sup>(1)</sup> (gallons)	Total Product Volui Recovered During PRR Period (gallon							
April 24, 2020	ND	1.94	0.0	0.0							
May 15, 2020	NR	NR	0.0	0.0							
June 16, 2020	ND	1.95	0.0	0.0							
July 14, 2020	ND	2.43	0.0	0.0							
August 12, 2020	ND	2.64	0.8	0.8							
September 17,2020	ND	0.86	0.0	0.8							
October 26, 2020	ND	1.41	0.0	0.8							
November 23, 2020	ND	2.62	0.0	0.8							
December 16, 2020	ND	2.89	1.0	1.8							
January 19, 2021	ND	3.49	2.3	4.1							
February 25, 2021	ND	3.82	0.0	4.1							
March 25, 2021	ND	5.30	3.0	7.1							
	Total Volume of I	NAPL Recovered fi	rom April 2007 to Q1 2020	864.6							
	Total Volume of NAPL Recovered To-Date										

MGP=Manufactured Gas Plant

<sup>(1)</sup> Volume of product recovered was estimated by using the markings on a five gallon bucket.

LNAPL=Light Non-Aqueous Phase Liquid

DNAPL=Dense Non-Aqueous Phase Liquid

PRR=Periodic Review Report

ND=NAPL Not Detected

NC=Not Collected

Table 6. Groundwater Analytical Results
Hempstead Intersection Street Former MGP Site
National Grid
Hempstead, New York

			Sample Name Sample Date Parent Sample	9/14/2020	HIMW-03S 3/4/2021	HIMW-03I 9/14/2020	DUP-01 9/14/2020 H1MW-03I	HIMW-03I 3/4/2021	HIMW-03D 9/14/2020	HIMW-03D 3/4/2021	HIMW-05S 9/17/2020	HIMW-05S 3/3/2021	HIMW-05I 9/16/2020	HIMW-05I 3/3/2021
Analyte	Units	CAS No.	NYS AWQS											
BTEX	ug/L													
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.53 J
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.65 J
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	23	42
Total BTEX (ND=0)		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	43.18
PAH17	ug/L													
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5.8 J	9.9 J
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	78	140
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	50 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 UJ	10 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	50 UJ
Benzo(a)pyrene		50-32-8	ND	1 U	1 U*	1 U	1 U	1 U*	1 U	1 U*	1 U	1 U	2 U	5 U
Chrysene		218-01-9	0.002*	2 U	10 U	2 U	2 U	10 U	2 U	10 U	2 U	10 U	4 U	50 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 UJ
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	50 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	15 J	24 J
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U	10 UJ
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	33	120
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.83 J	230	780
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	8.1 J	17 J
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	50 U
Total PAH (17) (ND=0)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	0.83	369.9	1090.9

Table 6. Groundwater Analytical Results
Hempstead Intersection Street Former MGP Site
National Grid
Hempstead, New York

			Sample Name Sample Date Parent Sample	HIMW-05D 9/16/2020	HIMW-05D 3/3/2021	HIMW-08S 9/16/2020	HIMW-08S 3/1/2021	HIMW-08I 9/16/2020	HIMW-08I 3/1/2021	HIMW-08D 9/16/2020	HIMW-08D 3/2/2021	HIMW-12S 9/16/2020	HIMW-12S 3/3/2021	HIMW-12I 10/6/2020
Analyte	Units	CAS No.	NYS AWQS											
BTEX	ug/L													
Benzene		71-43-2	1	1 U	1 U	1 U	0.89 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	6.5	6.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	94	110	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX (ND=0)		TBTEX_ND0	NE	100.5	116.2	ND	0.89	ND	ND	ND	ND	ND	ND	ND
PAH17	ug/L													
Acenaphthene		83-32-9	20*	50 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	23 J	50 J	10 U	10 U	10 U						
Anthracene		120-12-7	50*	50 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	10 UJ	20 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	50 U	100 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	10 U	100 U	2 U	10 U	2 U	10 U	2 U	10 U	2 U	10 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	5 U	10 U	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	50 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	50 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	10 U	20 U	2 U	2 UJ	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	52	150	10 U	10 U	10 U						
Naphthalene		91-20-3	10*	590	1200	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	50 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	50 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17) (ND=0)		TPAH17_ND0	NE	665	1400	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 6. Groundwater Analytical Results
Hempstead Intersection Street Former MGP Site
National Grid
Hempstead, New York

			Sample Name Sample Date Parent Sample	HIMW-12IR 3/3/2021	HIMW-13S 9/14/2020	HIMW-13S 3/3/2021	HIMW-13I 9/14/2020	HIMW-13I 3/3/2021	HIMW-13D 9/14/2020	DUP-02 9/14/2020 H1MW-13D	HIMW-13D 3/3/2021	HIMW-14I 9/15/2020	HIMW-14I 3/4/2021	DUP-02 3/4/2021 HIMW-14I
Analyte	Units	CAS No.	NYS AWQS											
BTEX	ug/L													
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	0.91 J	0.93 J	0.56 J	0.46 J	0.58 J	0.52 J
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX (ND=0)		TBTEX_ND0	NE	ND	ND	ND	ND	ND	0.91	0.93	0.56	0.46	0.58	0.52
PAH17	ug/L													1
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	4.9 J	5.3 J	10 U	2.6 J	4.3 J	4.5 J
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	8.2 J	9.7 J	10 U	3.4 J	4.2 J	4.1 J
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	10 U	2 U	10 U	2 U	10 U	2 U	2 U	10 U	2 U	10 U	10 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	1.1 J	1 J
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 J	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Total PAH (17) (ND=0)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	13.1	15	ND	8.1	9.6	9.6

Table 6. Groundwater Analytical Results
Hempstead Intersection Street Former MGP Site
National Grid
Hempstead, New York

			Sample Name Sample Date Parent Sample	HIMW-14D 9/15/2020	HIMW-14D 3/4/2021	HIMW-15I 9/16/2020	HIMW-15I 3/5/2021	HIMW-15D 9/16/2020	HIMW-15D 3/5/2021	HIMW-20S 9/17/2020	HIMW-20S 3/2/2021	HIMW-20I 9/17/2020	HIMW-20I 3/2/2021	HIMW-22 9/16/2020
Analyte	Units	CAS No.	NYS AWQS											
BTEX	ug/L													
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX (ND=0)		TBTEX_ND0	NE	ND	ND	ND								
PAH17	ug/L													
Acenaphthene		83-32-9	20*	10 U	10 U	10 U								
Acenaphthylene		208-96-8	NE	10 U	10 U	1.1 J	0.83 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U								
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 UJ	10 U	10 U	10 U	10 U						
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U*	1 U	1 U*	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	10 U	2 U								
Dibenz(a,h)anthracene		53-70-3	NE	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U								
Fluorene		86-73-7	50*	10 U	10 U	10 U								
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U								
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U								
Pyrene		129-00-0	50*	10 UJ	10 U	10 U	10 U	10 U						
Total PAH (17) (ND=0)		TPAH17_ND0	NE	ND	ND	1.1	0.83	ND	ND	ND	ND	ND	ND	ND

Table 6. Groundwater Analytical Results
Hempstead Intersection Street Former MGP Site
National Grid
Hempstead, New York

			Sample Name Sample Date Parent Sample	HIMW-22 3/3/2021	HIMW-23 9/16/2020	HIMW-23 3/3/2021	HIMW-24 9/16/2020	HIMW-24 3/2/2021	HIMW-25 9/16/2020	HIMW-25 3/2/2021	HIMW-26I 9/16/2020	HIMW-26I 3/3/2021	HIMW-26D 9/17/2020	HIMW-26D 3/3/2021
Analyte	Units	CAS No.	NYS AWQS											
BTEX	ug/L													
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.48 J	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	22	2 U
Total BTEX (ND=0)		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.48	ND
PAH17	ug/L													
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	8.4 J	10 U						
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	100	10 U						
Anthracene		120-12-7	50*	10 U	10 U	10 U	40 U	10 U						
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	8 UJ	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	40 U	10 U						
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U
Chrysene		218-01-9	0.002*	10 U	2 U	10 U	8 U	10 U						
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	40 U	10 U						
Fluorene		86-73-7	50*	10 U	10 U	10 U	23 J	10 U						
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	8 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	280	10 U						
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	450	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	19 J	10 U						
Pyrene		129-00-0	50*	10 U	10 U	10 U	40 U	10 U						
Total PAH (17) (ND=0)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	880.4	ND

Table 6. Groundwater Analytical Results
Hempstead Intersection Street Former MGP Site
National Grid
Hempstead, New York

			Sample Name Sample Date	HIMW-27S 9/15/2020	HIMW-27S 3/1/2021	HIMW-27I 9/15/2020	HIMW-27I 3/1/2021	HIMW-28S 9/15/2020	HIMW-28S 3/1/2021	HIMW-28I 9/15/2020	HIMW-28I 3/1/2021	DUP-01 3/1/2021
			Parent Sample									HIMW-28I
Analyte	Units	CAS No.	NYS AWQS									
BTEX	ug/L											
Benzene		71-43-2	1	7.1	9.3 J	1 U	1 U	3	3.6 J	1 U	1 U	1 U
Toluene		108-88-3	5	12	14 J	1 U	1 U	2.6	3.2 J	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	400	440 J	1 U	0.35 J	140	160 J	0.33 J	1 U	1 U
Total Xylene		1330-20-7	5	440	410 J	2 U	2 U	14	15 J	2 U	2 U	2 U
Total BTEX (ND=0)		TBTEX_ND0	NE	859.1	873.3	ND	0.35	159.6	181.8	0.33	ND	ND
PAH17	ug/L											
Acenaphthene		83-32-9	20*	77 J	84 J	10 U	10 U	33 J	24 J	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	100 U	100 U	10 U	10 U	50 U	50 UJ	10 U	10 U	10 U
Anthracene		120-12-7	50*	100 U	100 U	10 U	10 U	3.3 J	50 UJ	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	10 U	10 U	1 U	1 U	5 U	5 UJ	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	20 U	20 U	2 U	2 U	10 U	10 UJ	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	10 U	10 U	1 U	1 U	5 U	5 UJ	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	100 UJ	100 UJ	10 UJ	10 UJ	50 UJ	50 UJ	10 UJ	10 UJ	10 UJ
Benzo(a)pyrene		50-32-8	ND	10 U	10 U	1 U	1 U	5 U	5 UJ	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	20 U	100 U	2 U	10 U	10 U	50 UJ	2 U	10 U	10 U
Dibenz(a,h)anthracene		53-70-3	NE	10 UJ	10 UJ	1 UJ	1 UJ	5 UJ	5 UJ	1 UJ	1 UJ	1 U
Fluoranthene		206-44-0	50*	100 U	100 U	10 U	10 U	50 U	50 UJ	10 U	10 U	10 U
Fluorene		86-73-7	50*	32 J	38 J	10 U	10 U	16 J	18 J	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	20 UJ	20 UJ	2 UJ	2 UJ	10 UJ	10 UJ	2 UJ	2 UJ	2 U
2-Methylnaphthalene		91-57-6	NE	280	290	10 U	1.5 J	88	54 J	10 U	10 U	10 U
Naphthalene		91-20-3	10*	970	1100	2 U	0.86 J	340	230 J	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	33 J	40 J	10 U	10 U	19 J	17 J	10 U	10 U	10 U
Pyrene		129-00-0	50*	100 UJ	100 U	10 UJ	10 U	50 UJ	50 UJ	10 UJ	10 U	10 U
Total PAH (17) (ND=0)		TPAH17_ND0	NE	1392	1552	ND	2.36	499.3	343	ND	ND	ND

# Table 6. Groundwater Analytical Results Hempstead Intersection Street Former MGP Site National Grid Hempstead, New York

## Notes:

MGP = Manufactured Gas Plant μg/L = micrograms per liter or parts per billion (ppb) BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes PAH = Polycyclic Aromatic Hydrocarbon

Total BTEX and Total PAHs are calculated using detects only.

Total PAH17 is calculated using the list of analytes: Acenaphthene, Acenaphthylene, Anthracene, Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno[1,2,3-cd]pyrene, Naphthalene, 2-Methylnaphthalene, Phenanthrene, and Pyrene

NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater \* indicates the value is a guidance value and not a standard

CAS No. = Chemical Abstracts Service Number ND = Not Detected NE = Not Established

Bolding indicates a detected result concentration

Gray shading and bolding indicates that the detected result value exceeds the NYS AWQS

Table 7. Groundwater Treatment Performance Monitoring, April 2020 - March 2021 Hempstead Intersection Street Former MGP Site National Grid Hempstead, New York

## System #1

	Q2 2020		Q3 2020		Q4 2	2020	Q1 2021	
	April		September 14-18		Decemb	er 14-16	March 1-5	
ID	DTW (ft)	DO (mg/L)	DTW (ft)	DO (mg/L)	DTW (ft)	DO (mg/L)	DTW (ft)	DO (mg/L)
MP-1-1S	NM	NM	26.73	30	26.82	15	26.18	6
MP-1-1D	NM	NM	26.71	25	26.75	19	26.15	9
MP-1-2S	NM	NM	21.17	17	21.35	17	20.69	7
MP-1-2D	NM	NM	21.16	29	21.15	21	20.50	9
MP-1-3S	NM	NM	19.2	27	19.18	12	18.55	10
MP-1-3D	NM	NM	19.12	22	19.2	22	18.62	7
MP-1-4S	NM	NM	21.73	25	21.89	16	21.19	5
MP-1-4D	NM	NM	21.89	27	22.03	21	21.27	15
MP-1-5	NM	NM	26.52	32	26.53	20	25.97	12
MP-1-6	NM	NM	18.58	21	18.6	21	18.1	8
MP-1-7	NM	NM	21.87	28	23.17	17	21.41	20
MP-1-8	NM	NM	23.09	21	23.39	9	22.88	15

#### System #2

	Q2 2	2020	Q3 2020		Q4 2	2020	Q1 2021	
	Ap	ril	September 14-18		Decemb	er 14-16	March 1-5	
ID	DTW (ft)	DO (mg/L)	DTW (ft)	DO (mg/L)	DTW (ft)	DO (mg/L)	DTW (ft)	DO (mg/L)
MP-2-1	NM	NM	29.62	22	21.65	17	29.06	16
MP-2-2	NM	NM	31.07	13	31.21	26	30.41	4
MP-2-3S	NM	NM	30.89	28	31.03	17	30.29	14
MP-2-3D	NM	NM	31.03	18	31.17	14	30.54	13
MP-2-4	NM	NM	19.62	27	21.65	12	18.88	11
MP-2-5	NM	NM	17.81	12	17.83	14	17.13	11

#### Notes:

On October 24, 2019, NYSDEC approved changing the frequency of dissolved oxygen sampling to quarterly.

(1) DO Headspace monitor oxygen detection limit is 40.0%; normal oxygen level in air is 20.9%

MGP=Manufactured Gas Plant

DTW=Depth to water (feet)

O<sub>2</sub>=Oxygen measurement of well headspace (percent oxygen)

PID=Photoionization Detector measurement of well headspace (parts per million)

DO=Dissolved Oxygen concentration (percent of milligrams per liter)

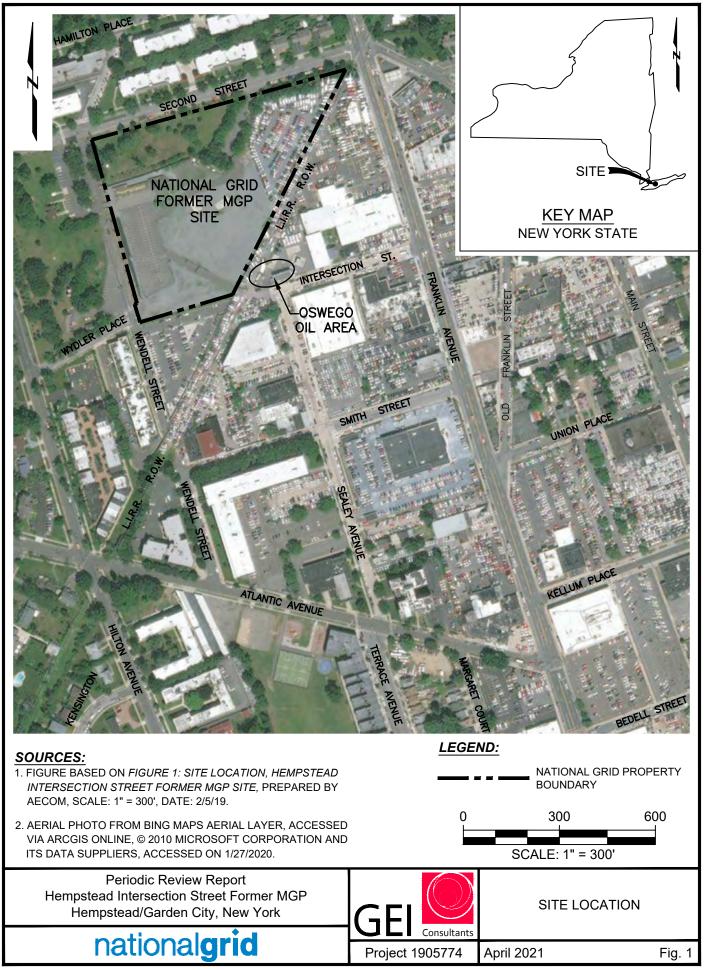
NM=Not Measured

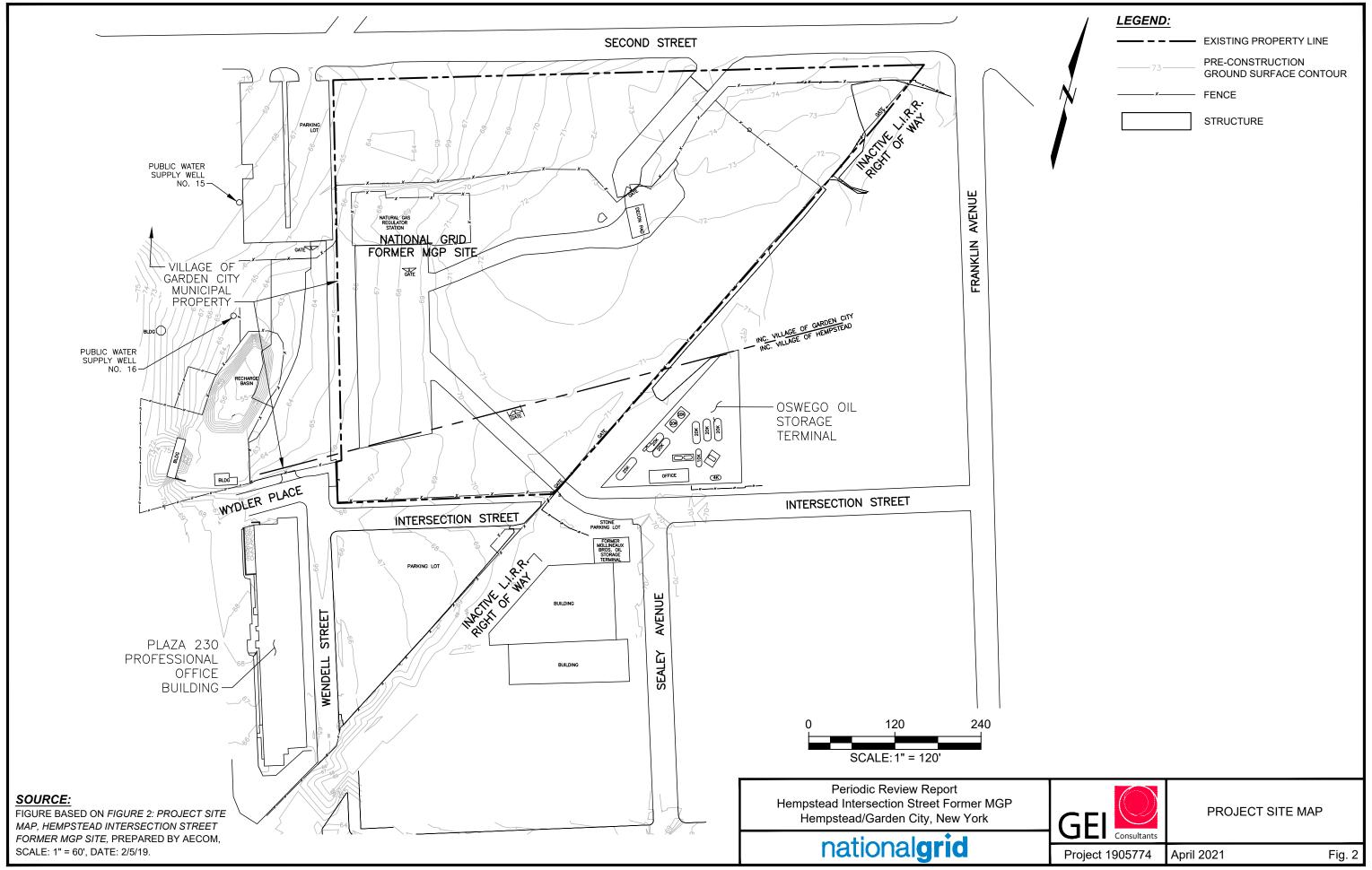
NA=Not Accessible

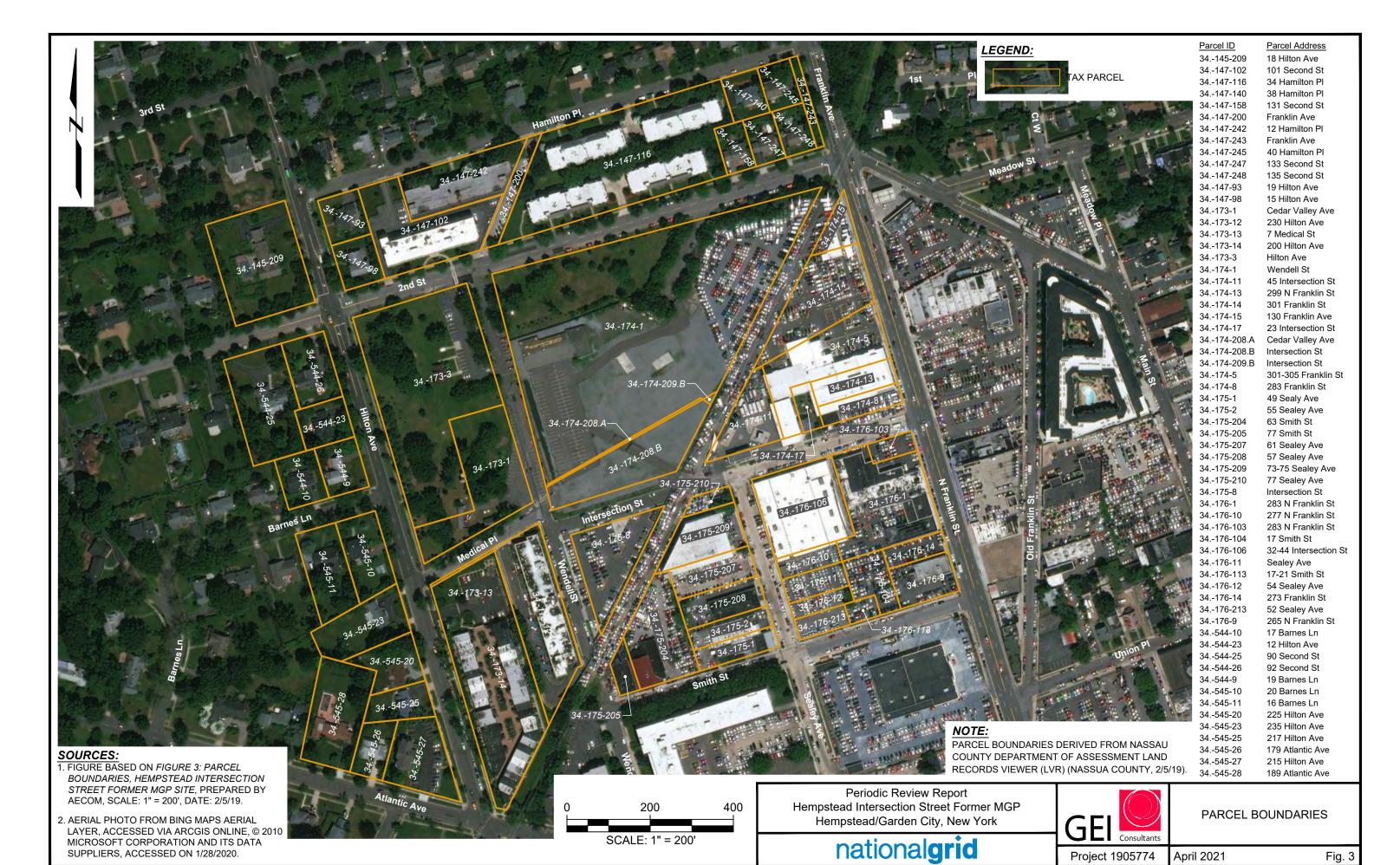
ppm=parts per million

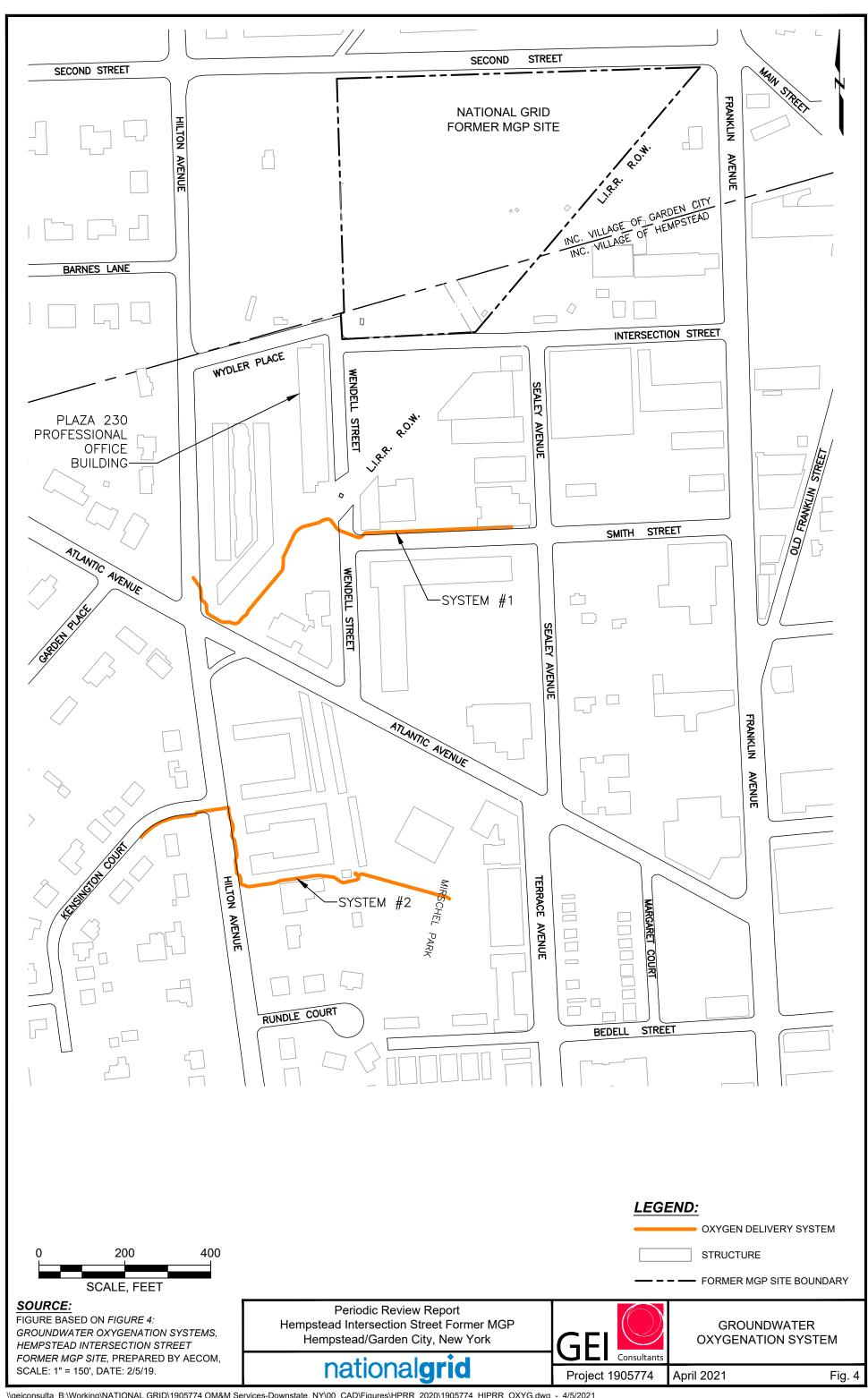
mg/L=milligrams per liter

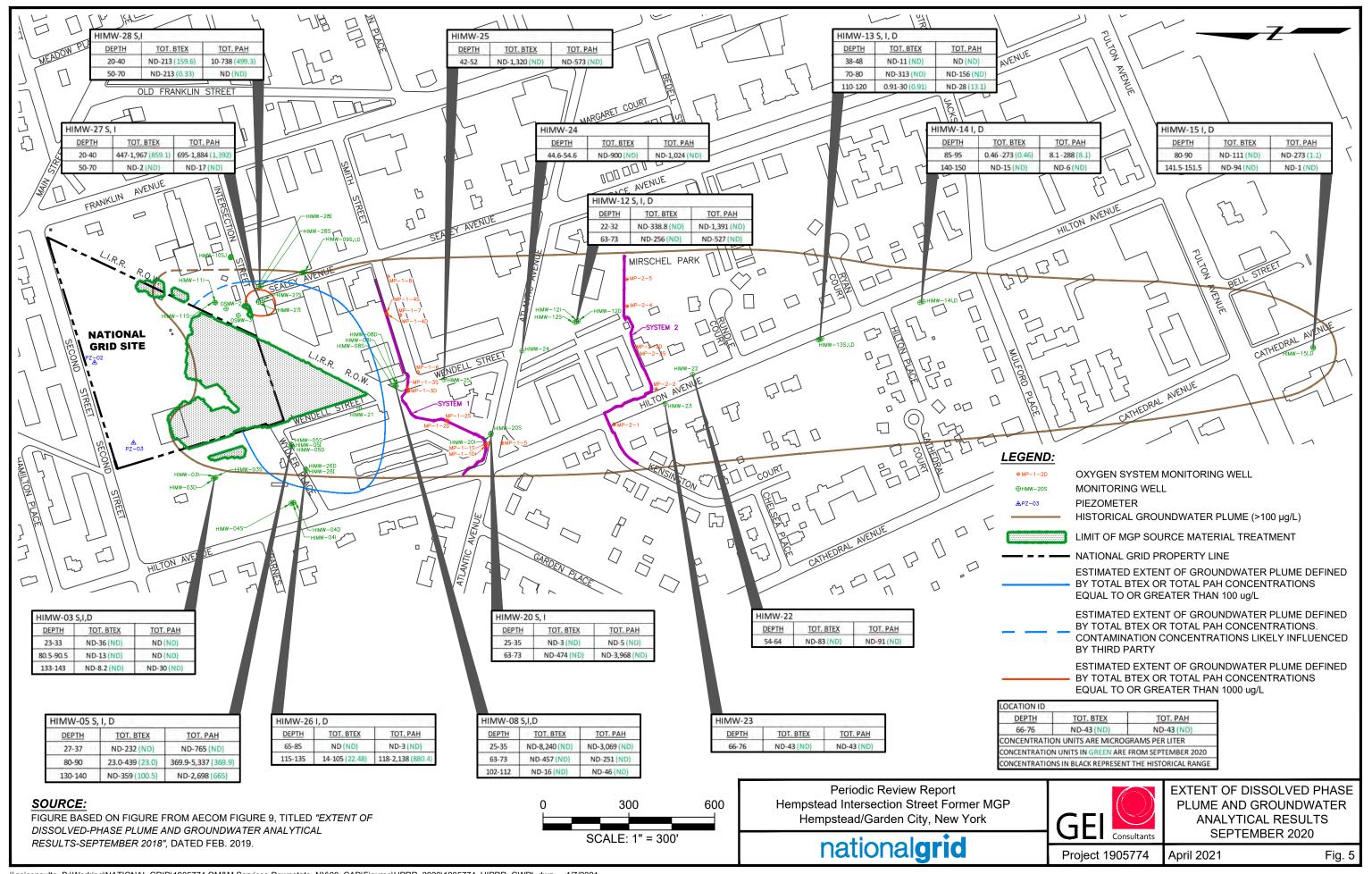
ft=feet

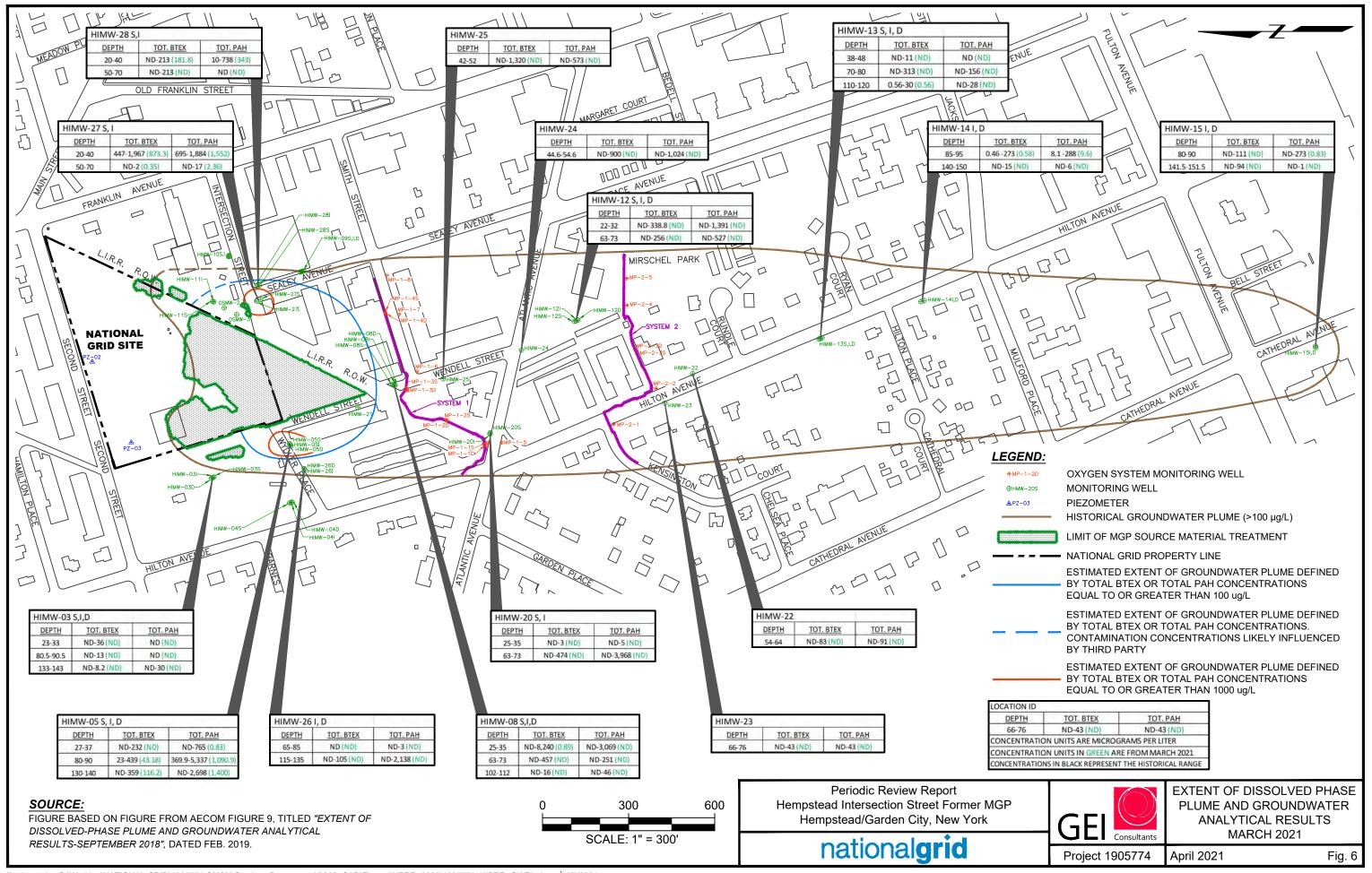


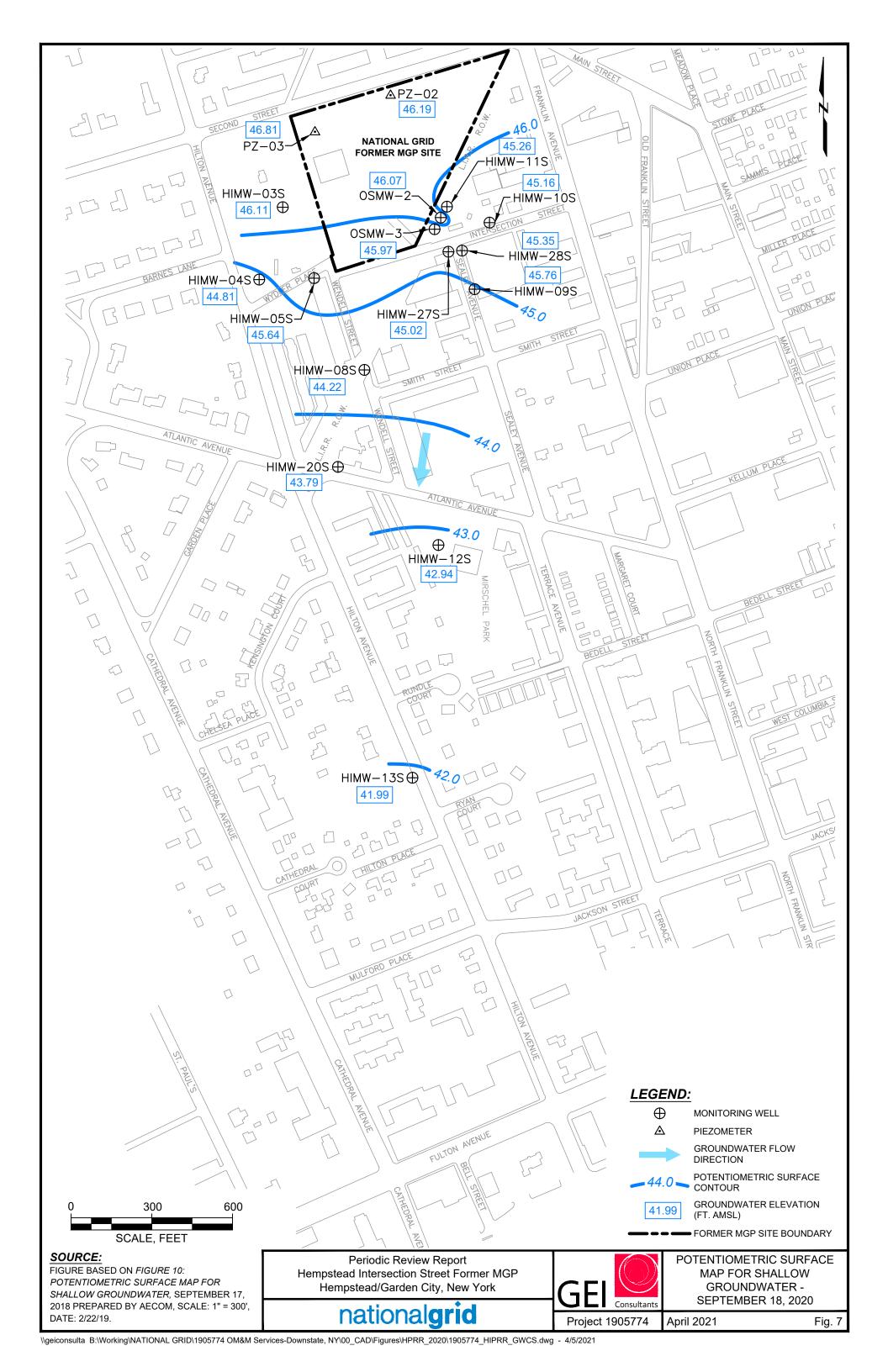


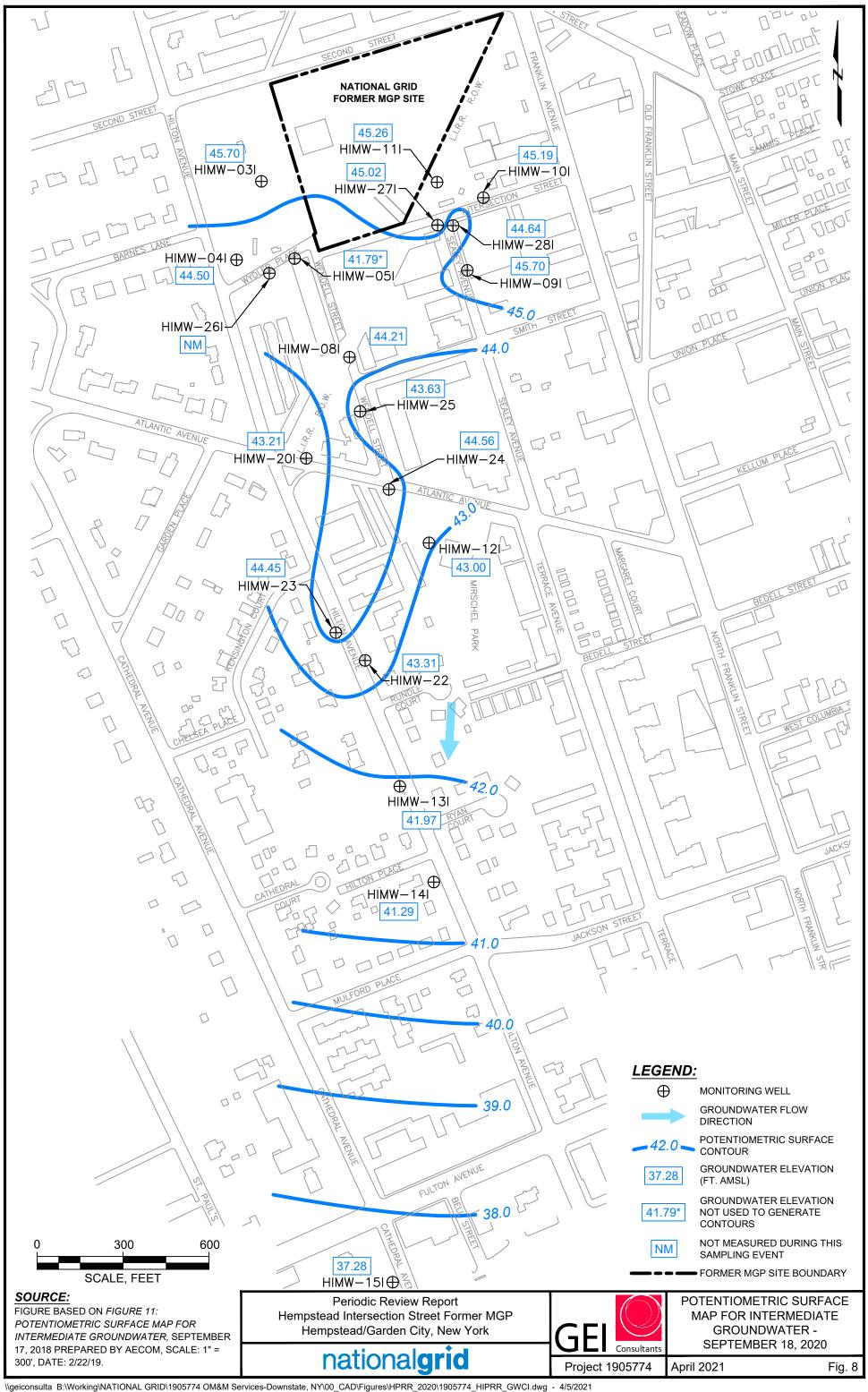


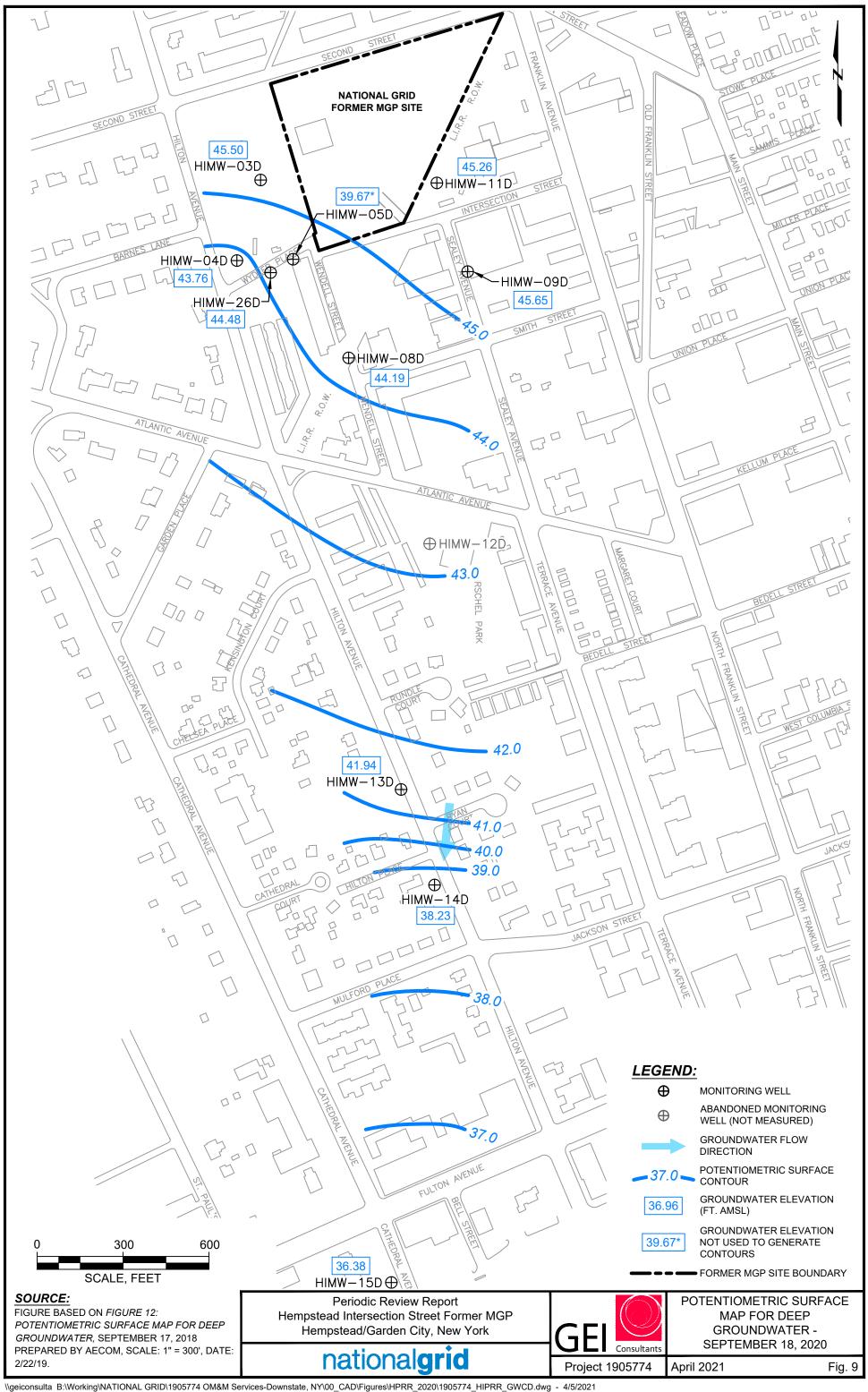


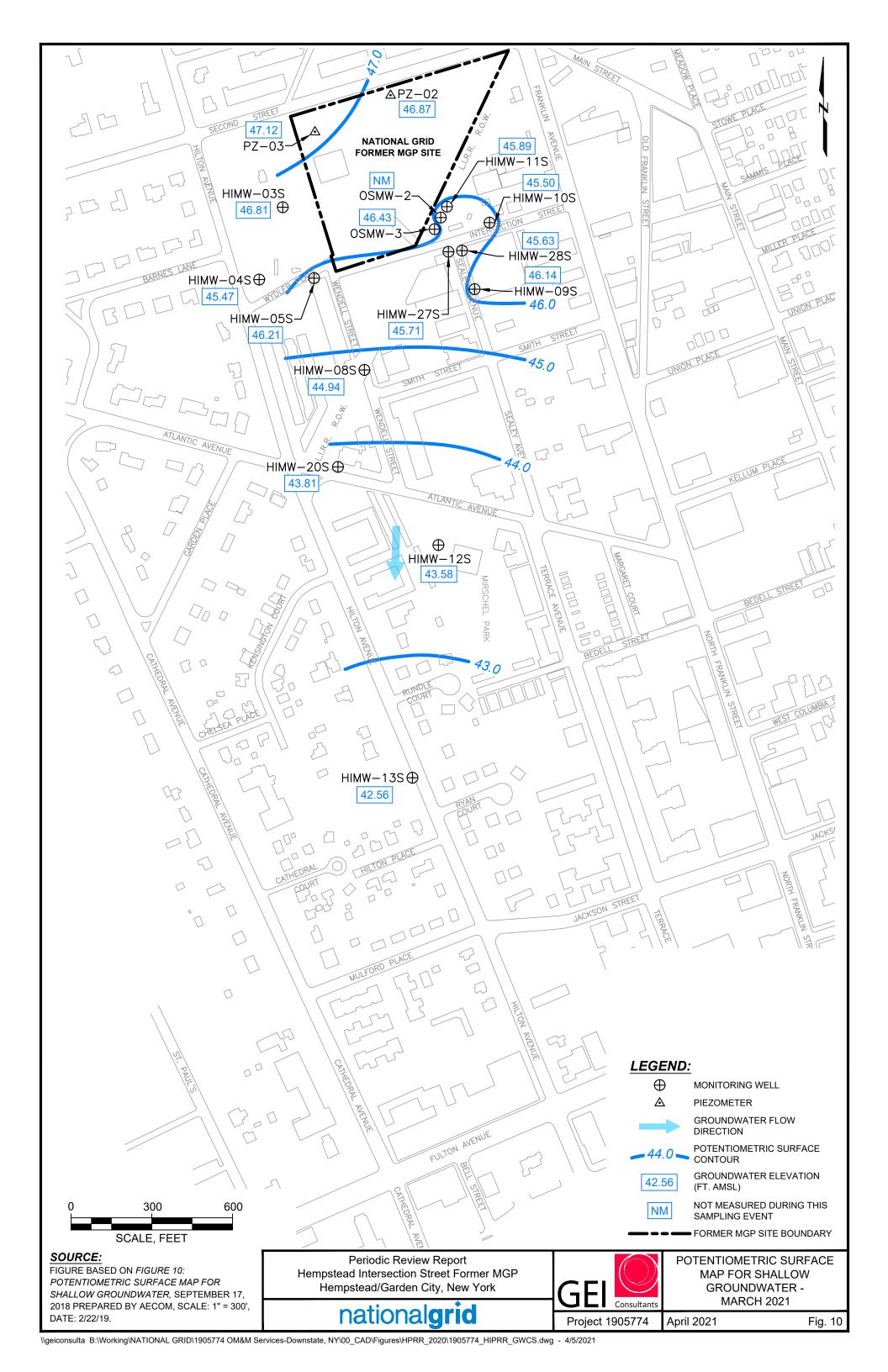


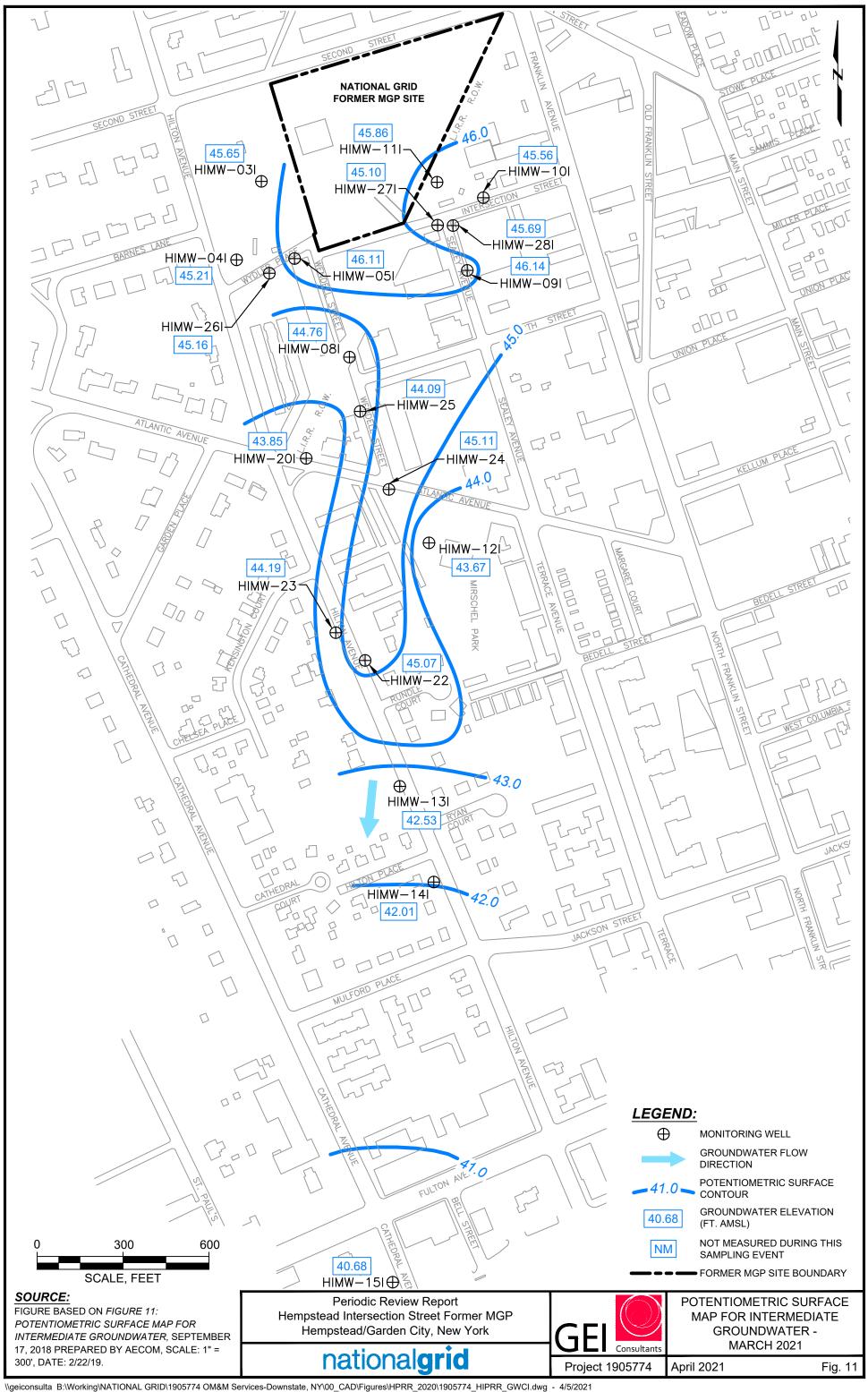


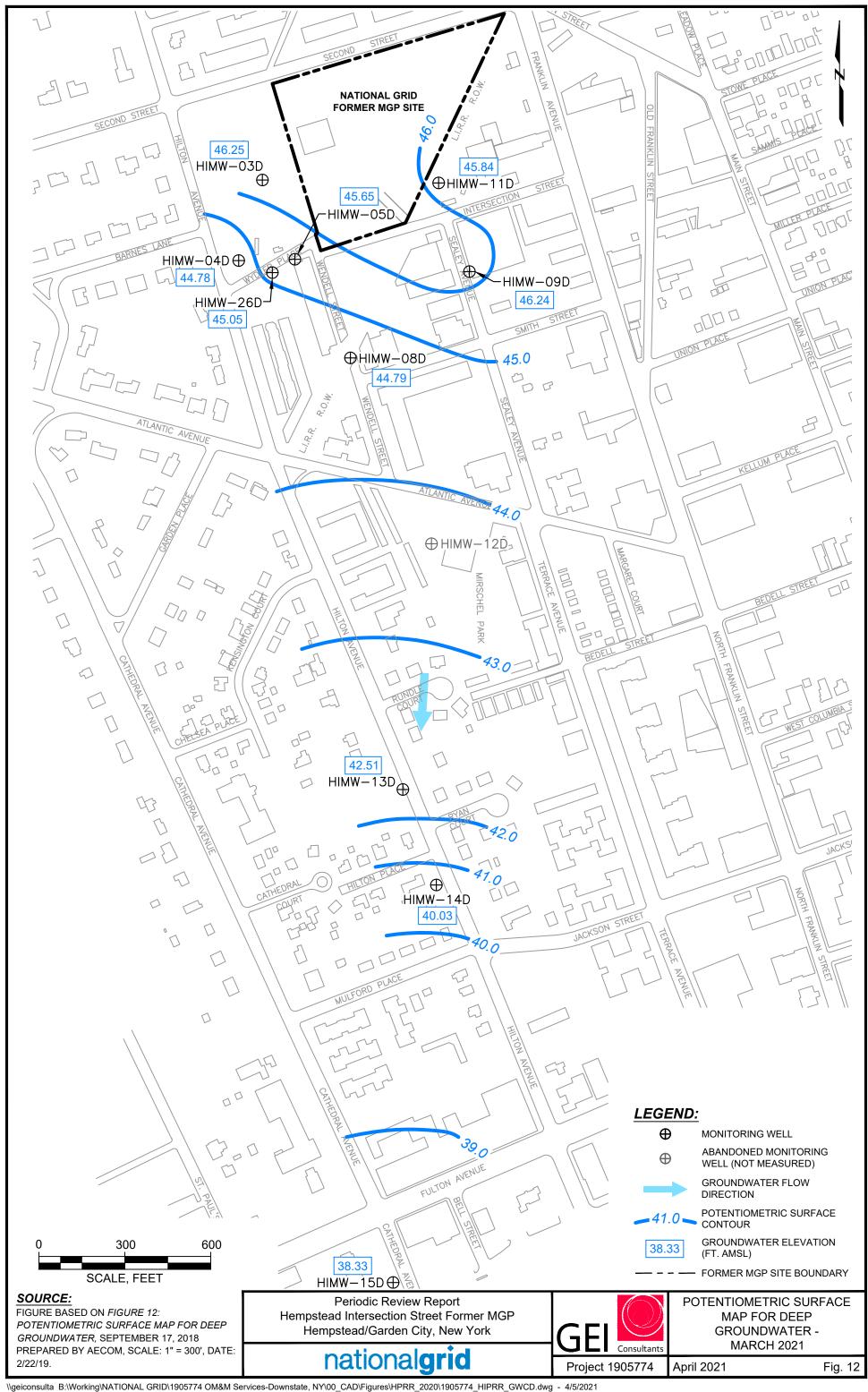


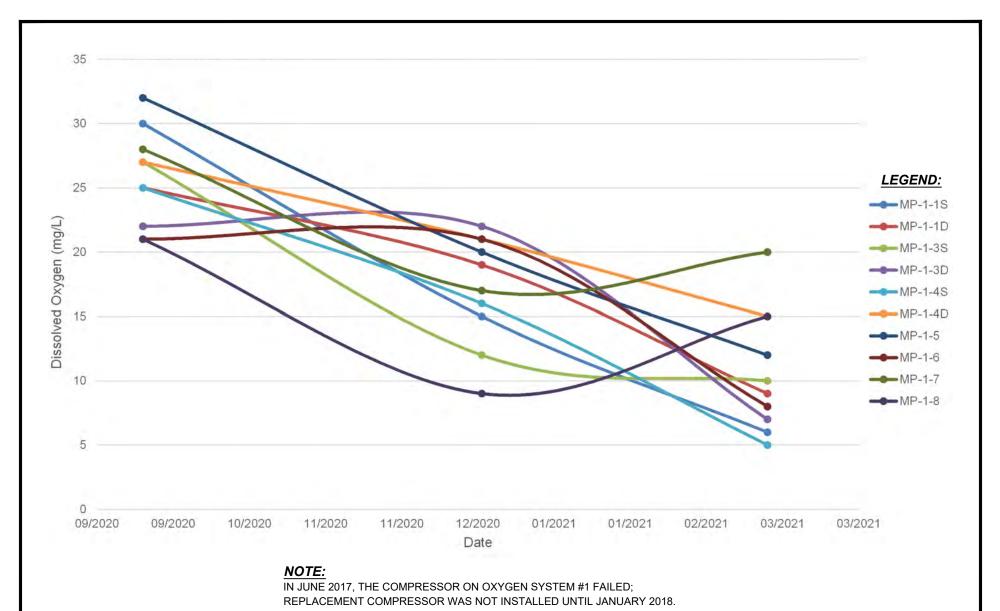












# SOURCE:

FIGURE BASED ON FIGURE 17: OXYGEN SYSTEM #1, DISSOLVED OXYGEN CONCENTRATIONS, PREPARED BY AECOM. Periodic Review Report
Hempstead Intersection Street Former MGP

# national**grid**

Hempstead/Garden City, New York

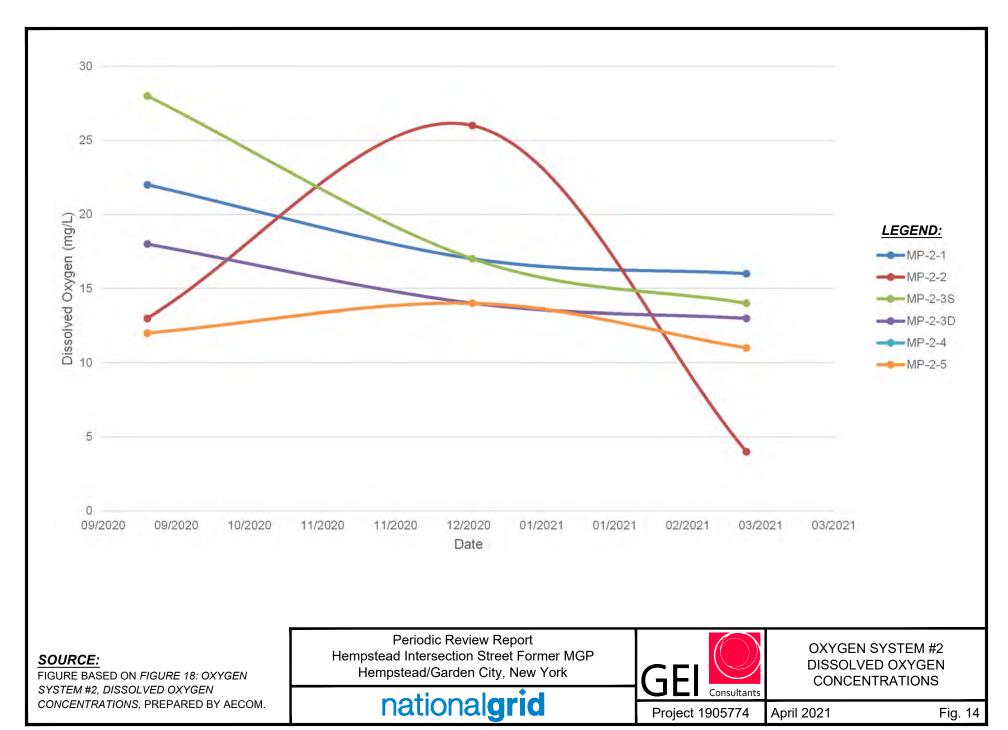


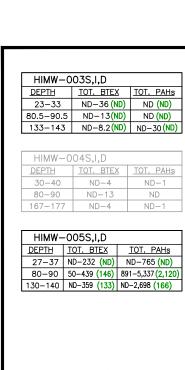
OXYGEN SYSTEM #1 DISSOLVED OXYGEN CONCENTRATIONS

Project 1905774

April 2021

Fig. 13





HIMW-008S,I,D						
<u>DEPTH</u>	TOT. BTEX	TOT. PAHs				
25-35	ND-8,240 (ND)	ND-3,069(3)				
63-73	ND-457 (ND)	ND-251 (ND)				
102-112	ND-16 (ND)	ND-46 (ND)				
102-112	ND-16 (ND)					

HIMW-0	11S,I	
DEPTH	TOT. BTEX	TOT. PAHs
28-38	603-13,920	2,813-13,07
80-90	ND-49	ND-3

TOT. BTEX TOT. PAHs

ND-313 (142) ND-156 (67)

110-120 1-30 (2) ND-28 (17)

ND (ND)

HIMW-012S,I,D

38-48 ND-11(ND)

DEPTH

70-80

HIMW-014 I,D					
<u>DEPTH</u>	TOT. BTEX	TOT. PAHs			
85-95	2-273(29)	19-288 (42)			
140-150	ND-15 (ND)	ND-6 (ND)			

DEPTH TOT. BTEX TOT. PAHs

-HIMW-12S

-HIMW-12I -/HIMW--12D

HIMW-022					
<u>DEPTH</u>	TOT. BTEX	TOT. PAHs			
54-64	ND	ND			

DEPTH TOT. BTEX TOT. PAHs

HIMW-	025	
DEPTH	TOT. BTEX	TOT. PAHs
42-52	552	573

LEGEND:
$\oplus$

 $\oplus$ MONITORING WELL



 $\oplus$ **OXYGEN SYSTEM MONITORING WELL EXISTING HOUSE OR BUILDING** 

NATIONAL GRID PROPERTY BOUNDARY

INSTALLED GROUNDWATER TREATMENT SYSTEM

ESTIMATED EXTENT OF GROUNDWATER PLUME AS DEFINED BY TOTAL BTEX OR TOTAL PAH CONCENTRATIONS EQUAL TO OR GREATER THAN 100 µg/L

ESTIMATED EXTENT OF GROUNDWATER PLUME AS DEFINED BY TOTAL BTEX OR TOTAL PAH CONCENTRATIONS EQUAL TO OR GREATER THAN 1,000 µg/L

HIMW-0		
<u>DEPTH</u>	TOT. BTEX	TOT. PAHs
28-38	ND-16	ND-8
70-80	ND-2	ND
113-123	ND-16	ND-10

ND-33

ND-13

ND-16

28-38

80.5-90.5

HIMW-03D HIMW-03I-

SOURCE:

HIMW-03S-

112.5-132.5

8-38	ND-16	ND-8		22-32	ND-338.8 (ND)	ND-1,391 (ND)	
08-0	ND-2	ND		63-73	6-256 (64)	65-527(108)	
3-123	ND-16	ND-10		117-127	ND-6 (ND)	ND-2 (ND)	
IMW-010S,I,D				HIMW-C	13S,I,D		
PTH	TOT. BTEX	TOT. PAHs		<u>DEPTH</u>	TOT. BTEX	TOT. PAHs	

1 - 150

ND-1,391 (ND)	80-90	1-111 (23)	ND-273 (31)
65-527(108)	141.5-151.5	ND-94 (ND)	ND-1 (ND)
ND-2 (ND)			
	HIMW-C	20S,I	
TOT. PAHs	DEPTH	TOT. BTEX	TOT. PAHs

25-35

63-73

HIMW-015 I,D

20S,I	HIMW-	024		
TOT. BTEX	TOT. PAHs	<u>DEPTH</u>	TOT. BTEX	TOT. PAH
ND-3 (ND)	ND-5 (ND)	44.6-54.6	870	1,020
ND-474 (198)	ND-3,968 (530)			

MIRSCHEL PARK

⊕HIMW-23

HIMW-023

	OSMW-	-03	
<u>Hs</u>	<u>DEPTH</u>	TOT. BTEX	TOT. PAHs
	29-39	4,301	2,911

HIMW-141.D

OSMW-02

# **ANALYTICAL BOXES**

NA NOT ANALYZED NOT DETECTED

LOCATION ID ── HIMW-024 DEPTH (ft bgs) -DEPTH TOT. BTEX 44.6-54.6 870 1,020

CONCENTRATION UNITS ARE μg/L HISTORIC RANGE (MAY 2011 CONCENTRATION)

2,911 GREY INDICATES WELL NOT SAMPLED IN MAY 2011

HIMW-09D HIMW-091-`HIMW-09S-\_HIMW-10S,I,D 🛖 AMP-1-4S -MP-1-4D HIMW-11S,I,D-HIMW-08D <sup>∆</sup>HIMW−081-0SW-2-HIMW-08S-OSW-3 **NATIONAL GRID FORMER MGP SITE** HIMW-051-HIMW-21 HIMW-05S Z-03 HIMW-209

HIMW-04S

HIMW-04D

FIGURE BASED ON FIGURE 14: EXTENT OF DISSOLVED-PHASE PLUME AND GROUNDWATER ANALYTICAL RESULTS - MAY 2011, HEMPSTEAD INTERSECTION STREET FORMER MGP SITE, PREPARED BY AECOM, SCALE: 1" = 300', DATE: 2/22/19.

-HIMW-26D -HIMW-261

> 300 600 SCALE: 1" = 300'

Periodic Review Report Hempstead Intersection Street Former MGP Hempstead/Garden City, New York

HIMW-13S,I,D

nationalgrid



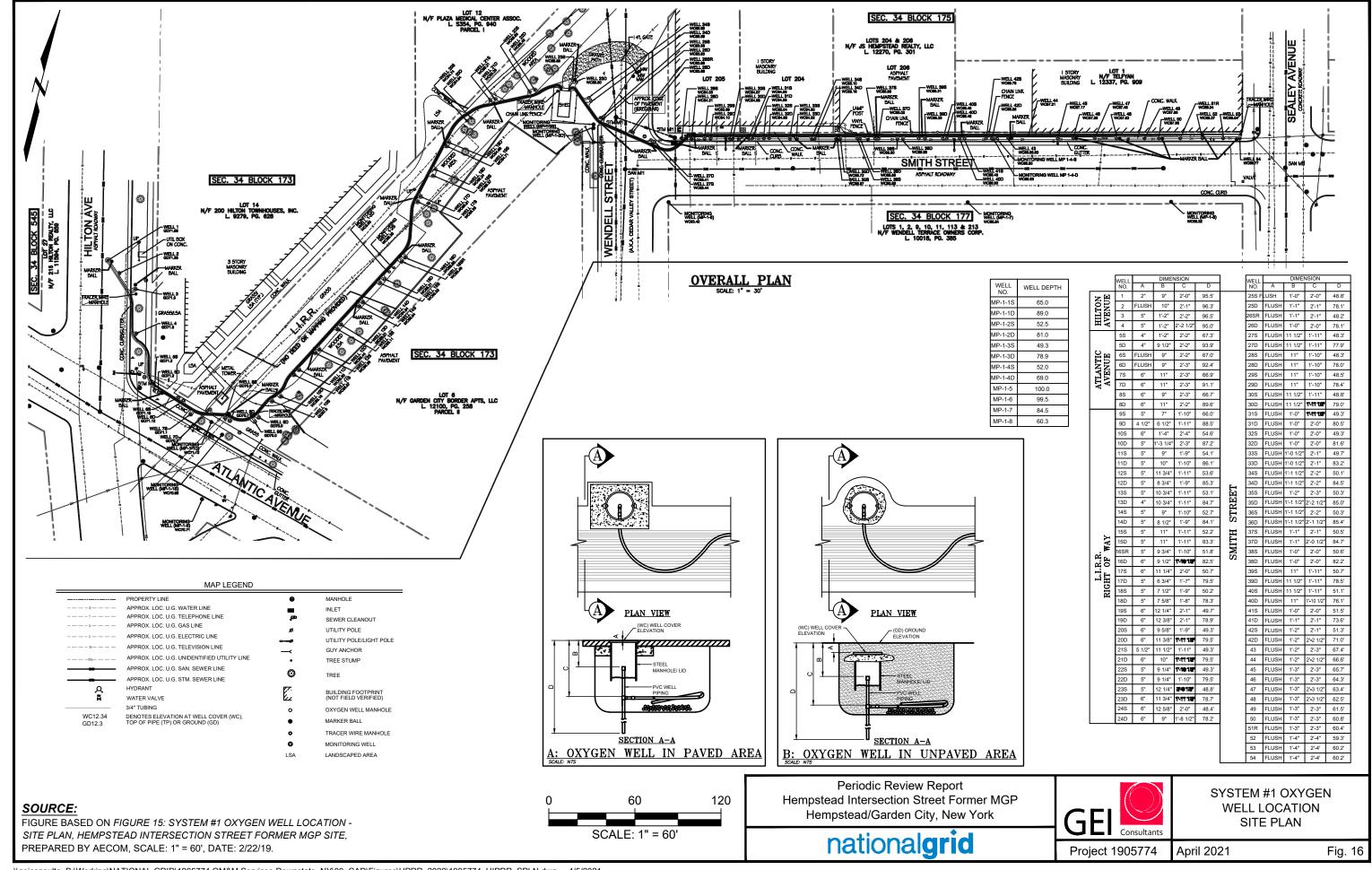
**EXTENT OF DISSOLVED-PHASE** PLUME AND GROUNDWATER ANALYTICAL RESULTS -MAY 2011

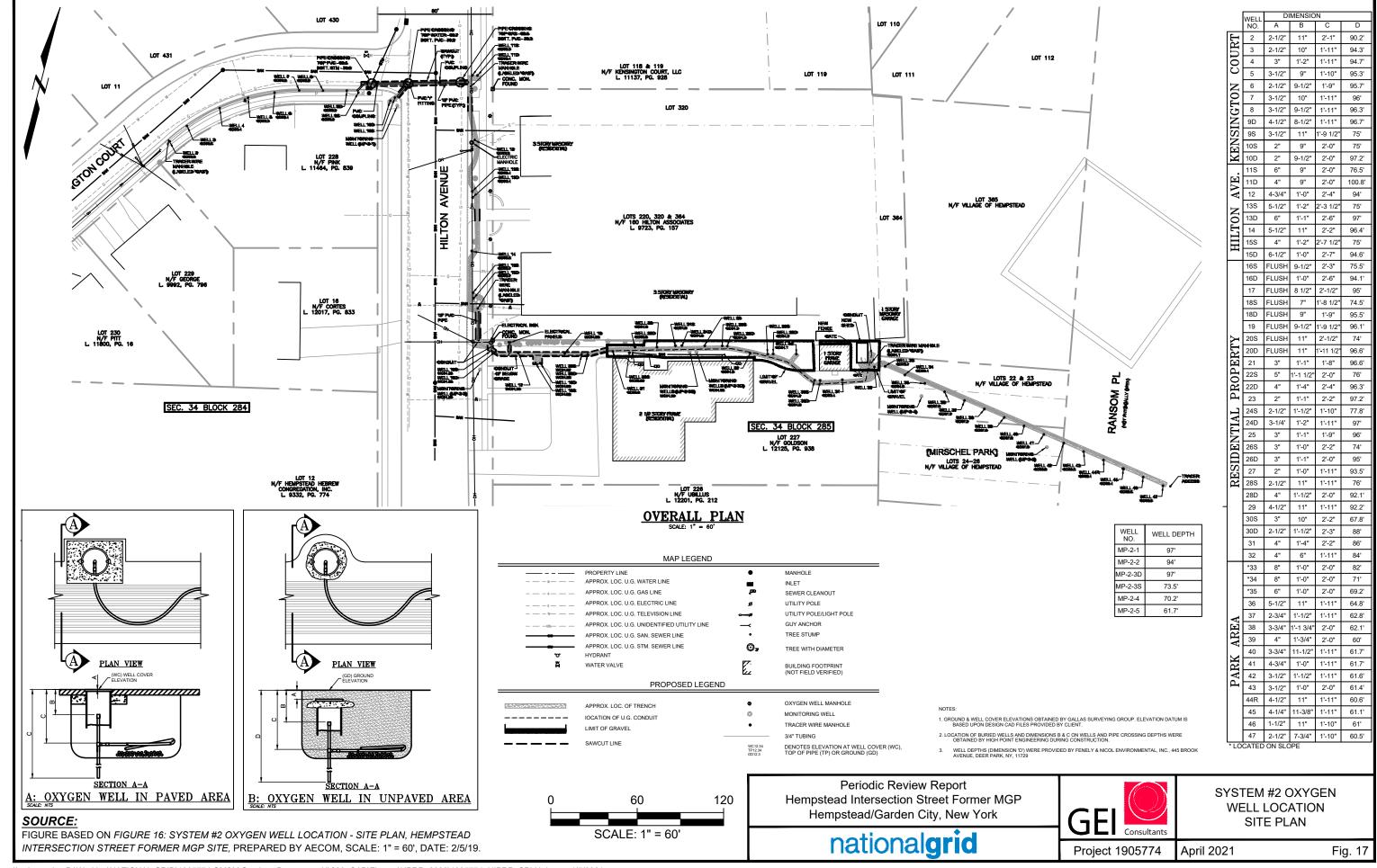
Project 1905774

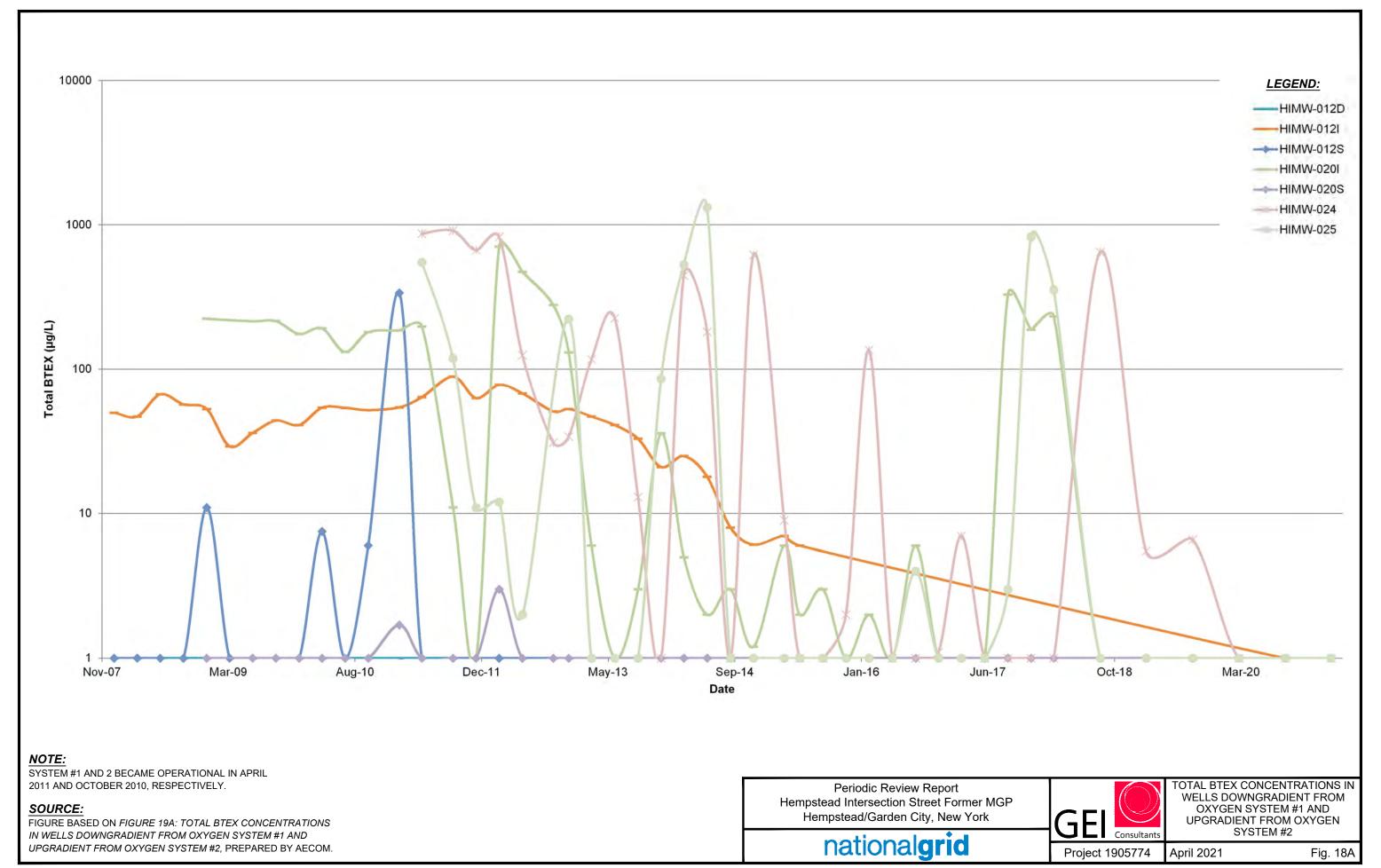
April 2021

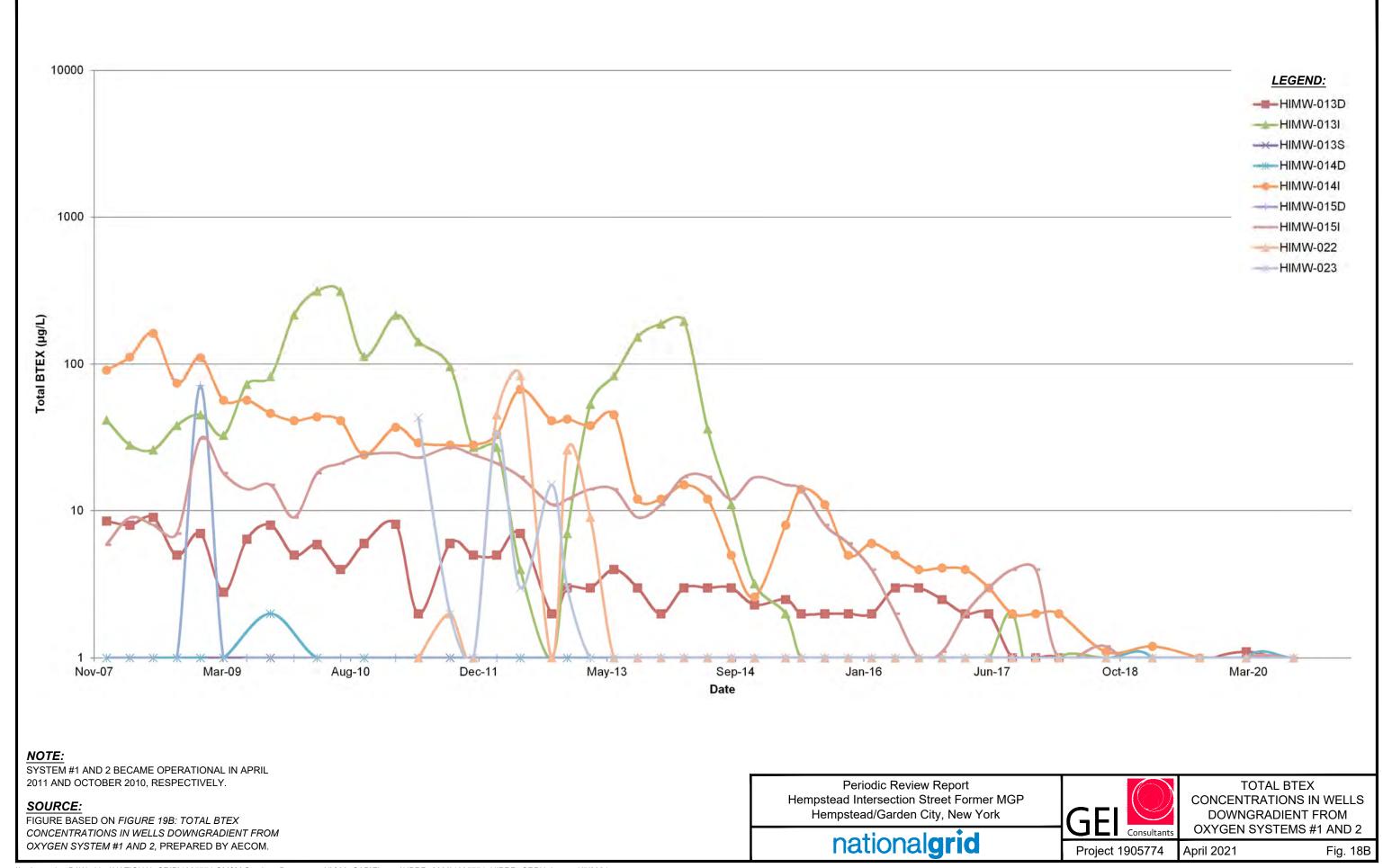
Fig. 15

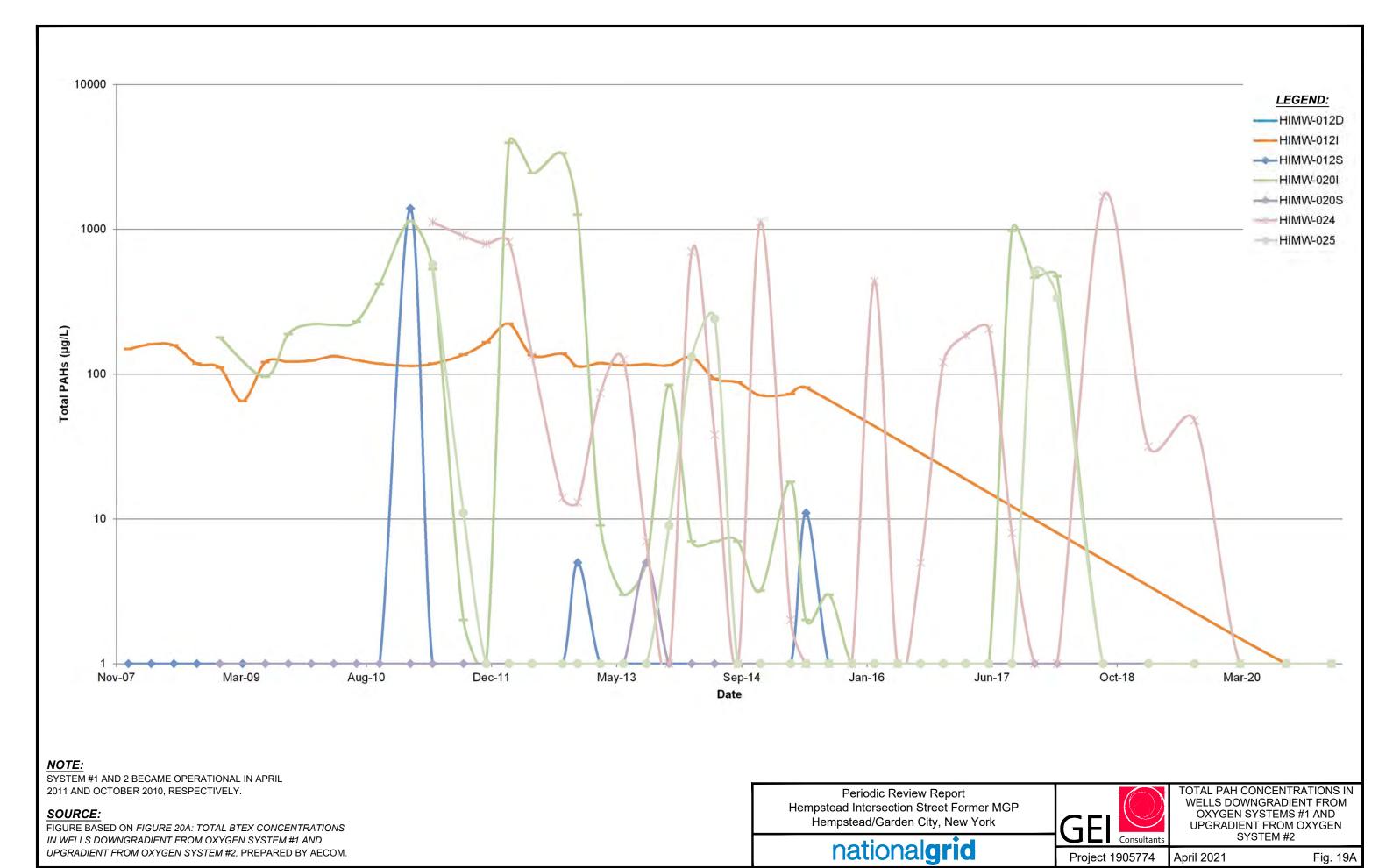
HIMW-151,D



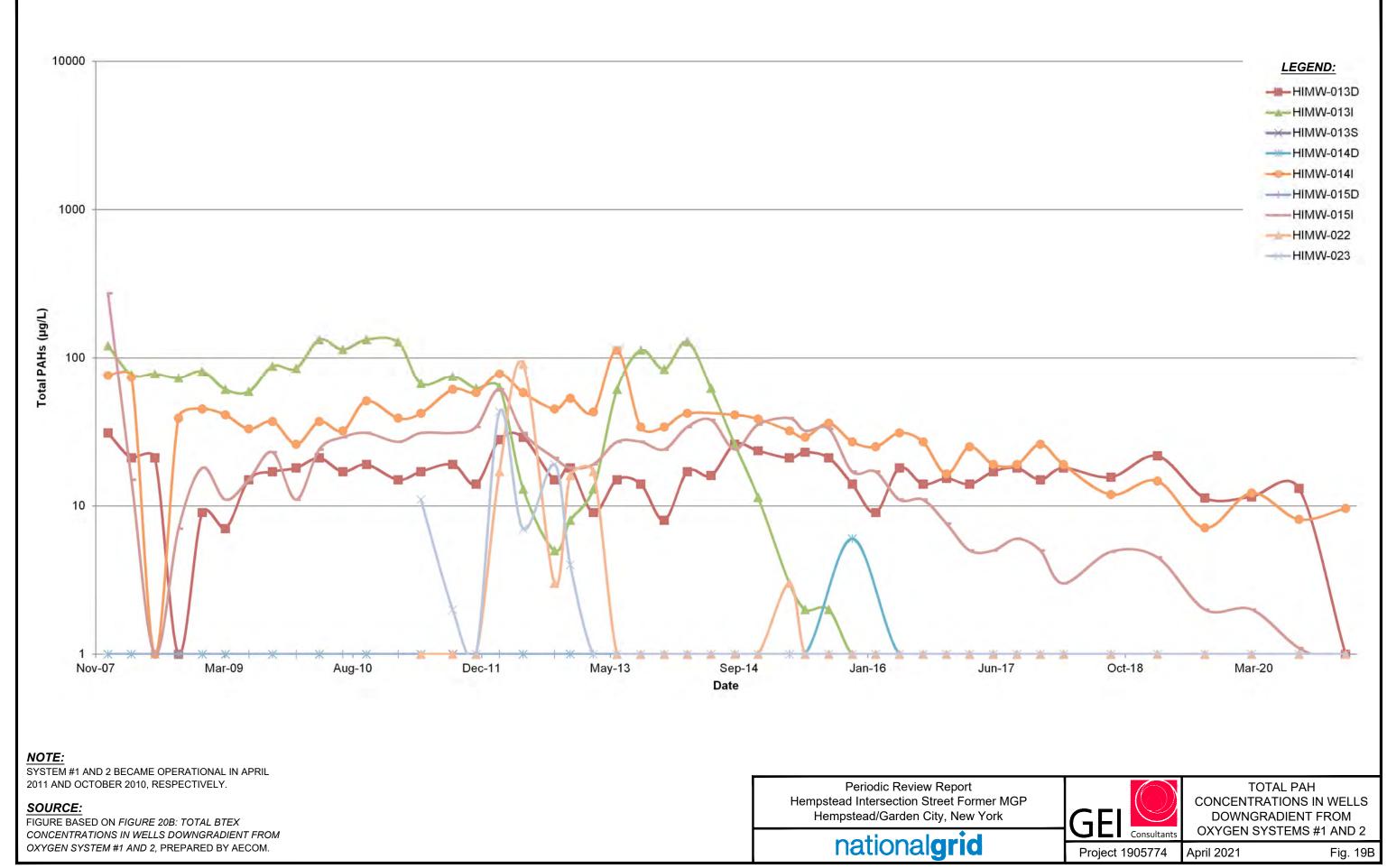








\\geiconsulta B:\Working\NATIONAL GRID\1905774 OM&M Services-Downstate, NY\00\_CAD\Figures\HPRR\_2020\1905774\_HIPRR\_GRPH.dwg - 4/5/2021



Periodic Review Report March 28, 2020 – March 28, 2021 Hempstead Intersection Street Former MGP Site Town of Hempstead, Nassau County, New York Site ID #1-30-086 April 2021

# Appendix A

# **NYSDEC Correspondence**

## NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C 625 Broadway, 11th Floor, Albany, NY 12233-7014 P; (518) 402-9662 I F: (518) 402-9679 www.dec.ny.gov

June 1, 2018

William J. Ryan Manager-DNY MGP Program Site Investigation and Remediation Department National Grid 175 East Old Country Road Hicksville, NY 11801

Re: Hempstead Intersection St. Former MGP Site, Hempstead, Nassau Co.

Site 130086

2017 Annual Report

Dear Mr. Ryan:

Thank you and Jon Sundquist for AECOM's May 3, 2018, "2017 Annual Groundwater Sampling, NAPL Monitoring/Recovery and Groundwater Treatment Performance Report for the Hempstead Intersection Street Former Manufactured Gas Plant Site". The Report is approved.

National Grid's request to reduce the frequency of groundwater sampling and analysis to semi-annually is approved. In lieu of an annual report, the Department of Environmental Conservation requests that the 2017 sampling results be presented in the Periodic Review Report. The due date for the Periodic Review Report has been extended to March 1, 2019 in order to accommodate the September sampling round.

If you have any questions please contact me at (518) 402-9686.

Sincerely,

John Spellman

John Spellman, P.E. Project Manager

r roject manager

Division of Environmental Remediation

## NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C 625 Broadway, 11th Floor, Albany, NY 12233-7014 P: (518) 402-9662 | F: (518) 402-9679 www.dec.ny.gov

October 24, 2019

Jonathan Mitchell Project Engineer National Grid 175 East Old Country Road Hicksville, NY 11801

Re: Hempstead Intersection St. Former MGP Site, Hempstead, Nassau Co.

Site 130086

Dissolved Oxygen Sampling

Dear Mr. Mitchell:

The New York State Department of Environmental Conservation is in receipt of your October 18, 2019 request to reduce the sampling frequency for dissolved oxygen from monthly to quarterly at the subject site. National Grid's request is approved.

Sincerely,

John byellman

John Spellman, P.E.

**Project Manager** 

**Division of Environmental Remediation** 

Periodic Review Report
March 28, 2020 – March 28, 2021
Hempstead Intersection Street Former MGP Site
Town of Hempstead, Nassau County, New York
Site ID #1-30-086
April 2021

# Appendix B

**Inspection Form** 

# HEMPSTEAD INTERSECTION STREET FORMER MGP SITE VILLAGES OF HEMPSTEAD AND GARDEN CITY, NASSAU COUNTY, NY SITE-WIDE INSPECTION FORM

# **GENERAL INFORMATION**

Date:	March 5, 2021	Inspector:	Craig Hayes
Weather:	Sunny	Signature:	Ciang Hayet
Temperature:	~35 degrees	Company:	GEI Consultants
Season	n (circle one): Winter	Spring	Summer Fall

# SITE INSPECTION LOG SHEET\*

SITE INSPECT	ION LOC	J SHEET*	
Evidence of Change in Site Use	Yes No	Description of New/Additional Site Use	Site is used as a laydown area for gas main construction, no intrusive work observed. Also additional area is used by dealership to park cars.
Evidence of Site-Wide Disturbance(s)	Yes No	Description of Disturbance(s)	
Evidence of Site-Wide Excavation	Yes No	Description of Excavation	
Evidence of Cover System Disturbance(s)	Yes No	Description of Disturbance(s)	
Evidence of Cover System Excavation to Monolith	Yes	Description of Excavation	
Evidence of Building Construction	Yes No	Description of Building Construction	
Comments:	Change		ame as previous PRR period. No map

<sup>\*</sup> If answering Yes, attach map showing locations and any other information as required.

Periodic Review Report
March 28, 2020 – March 28, 2021
Hempstead Intersection Street Former MGP Site
Town of Hempstead, Nassau County, New York
Site ID #1-30-086
April 2021

# **Appendix C**

**Data Usability Summary Reports** 



Site: Downstate OMM Hempstead Intersection Groundwater Monitoring

**Laboratory:** Test America, Edison, NJ

**Report Numbers:** 460-218280, 460-218380, 460-218634, 460-218647, 460-220057

**Reviewer:** Lorie MacKinnon/GEI Consultants

Date: December 3, 2020

# **Samples Reviewed and Evaluation Summary**

FIELD ID	LAB ID	FRACTIONS VALIDATED
TB091420	460-218280-01	BTEX
HIMW-03S	460-218280-02	BTEX, PAH
HIMW-03I	460-218280-03	BTEX, PAH
HIMW-03D	460-218280-04	BTEX, PAH
FB091420	460-218280-05	BTEX, PAH
DUP-01	460-218280-06	BTEX, PAH
HIMW-13S	460-218280-07	BTEX, PAH
HIMW-13I	460-218280-08	BTEX, PAH
HIMW-13D	460-218280-09	BTEX, PAH
DUP-02	460-218280-10	BTEX, PAH
FB-091420CB	460-218280-11	BTEX, PAH
TB091520	460-218380-01	BTEX
HIMW-27S	460-218380-02	BTEX, PAH
HIMW-27I	460-218380-03	BTEX, PAH
HIMW-28S	460-218380-04	BTEX, PAH
HIMW-28I	460-218380-05	BTEX, PAH
HIMW-14I	460-218380-06	BTEX, PAH
HIMW-14D	460-218380-07	BTEX, PAH
TB091620	460-218634-01	BTEX
HIMW-05D	460-218634-02	BTEX, PAH
HIMW-05I	460-218634-03	BTEX, PAH
HIMW-15I	460-218634-04	BTEX, PAH
HIMW-15D	460-218634-05	BTEX, PAH
HIMW-23	460-218634-06	BTEX, PAH
HIMW-22	460-218634-07	BTEX, PAH
HIMW-12S	460-218634-08	BTEX, PAH
HIMW-26I	460-218634-09	BTEX, PAH
HIMW-08S	460-218634-10	BTEX, PAH
HIMW-08I	460-218634-11	BTEX, PAH
HIMW-08D	460-218634-12	BTEX, PAH
HIMW-25	460-218634-13	BTEX, PAH
HIMW-24	460-218634-14	BTEX, PAH
TB091720	460-218647-01	BTEX
HIMW-05S	460-218647-02	BTEX, PAH
HIMW-20S	460-218647-03	BTEX, PAH

Site: Downstate OMM Hemsptead Intersection

Report Numbers: 460-218280, 460-218380, 460-218634, 460-218647, 460-220057

Date: December 3, 2020

HIMW-20I 460-218647-04 BTEX, PAH HIMW-26D 460-218647-05 BTEX, PAH

TB100620 460-220057-01 BTEX

HIMW-12I 460-220057-02 BTEX, PAH

## Associated QC Samples:

Field/Trip Blanks: FB-091420CB, TB091420, TB091520, TB091620, TB091720, TB100620

Field Duplicate pairs: HIMW-03I/DUP-01 and HIMW-13D/DUP-02

The above-listed groundwater samples, field blank, and trip blank samples were collected on September 14, 15, 16, and 17 and October 6, 2020 and were analyzed for BTEX volatile organic compounds (VOCs) by SW-846 method 8260B and polynuclear aromatic hydrocarbon (PAH) semivolatile organic compounds (SVOCs) by SW-846 method 8270. The data validation was performed in accordance with the Standard Operating Procedure (SOP) HW-35 (Revision 2) *Semivolatile Data Validation* (March 2013) and SOP HW-33 (Revision 3) *Low/Medium Volatile Data Validation* (March 2013), as well as by the methods referenced by the data package and professional and technical judgment.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits
- Sample Quantitation and Compound Identification

All results appear usable as reported or usable with minor qualification due to calibration nonconformances and uncertainty for levels below the reporting limit. These results were considered valid; even though some were qualified as discussed below.

The validation findings were based on the following information.

Site: Downstate OMM Hemsptead Intersection

Report Numbers: 460-218280, 460-218380, 460-218634, 460-218647, 460-220057

Date: December 3, 2020

## **Data Completeness**

The data packages were complete as received by the laboratory with the following exception; the sample IDs were incorrectly listed as H1 instead of HI. The laboratory was notified and revised reports were received for review.

## **Holding Times and Sample Preservation**

All holding time and sample preservation criteria were met except where noted below.

The pH for VOC sample HIMW-25 was noted to be above the acceptance criteria of 2 at 7. Validation action was not required on this basis as the analysis was performed within the hold time of seven days for unpreserved samples.

# **GC/MS Tunes**

All criteria were met.

# **Initial and Continuing Calibrations**

All initial and continuing calibration criteria were met except where noted below.

Instrument/ Calibration Standard	Compound	Calibration Exceedance	Validation Qualifier			
		SVOCs				
	Pyrene	28.0 %D				
CBNAMS16 CCAL 09/17/20 21:28	Indeno(123-cd)pyrene	41.6 %D	Estimate (UJ) the nondetect results for the affected			
	Dibenz(ah)anthracene	35.9 %D	compounds in the associated samples.			
	Benzo(ghi)perylene	36.7 %D				
Associated samples: HI	Associated samples: HIMW-27S, HIMW-27I, HIMW-28S, HIMW-28I, HIMW-14I, HIMW-14D					
CBNAMS17 CCAL 09/21/20 19:45	Benzo(b)fluoranthene	21.5 %D	Estimate (UJ) the nondetect results for benzo(b)fluoranthene in the associated samples.			
Associated sample: HIM	IW-26D, HIMW-05D, HIMV	W-05I	•			

Initial calibration (ICAL) relative standard deviation (%RSD) > 20% for VOC,SVOC, and PCBs; estimate (J) positive and blank-qualified (UJ) results only.

Continuing calibration (CCAL) percent difference (%D) > 20% for VOC, SVOCs, and PCBs; estimate (J/UJ) positive and nondetect results.

## **Blanks**

Contamination was not detected in the associated method blank samples, field blank, and trip blank samples.

**Site: Downstate OMM Hemsptead Intersection** 

Report Numbers: 460-218280, 460-218380, 460-218634, 460-218647, 460-220057

Date: December 3, 2020

# **Surrogate Recoveries**

All surrogate recovery criteria were met except where noted below.

Sample	Surrogate	Recovery (%)	Control Limits (%)	Validation Actions
			VOCs	
FB091420	4-Bromofluorobenzene	122	76-120	Validation actions were not required as all results were nondetect in this sample and therefore were not affected by the potential high bias.

# MS/MSD Results

MS/MSD analyses were performed on samples HIMW-03D and HIMW-13I for VOC and SVOC. All recovery and precision criteria were met, except where noted below.

			HIM	1W-03D			
Analyte	MS %R (%)	MSD %R (%)	RPD (%)	QC Limits (%)	Validation Actions		
	SVOCs						
Acenaphthylene	105	107	-	64-102	Validation actions were not required as these		
Benzo(a)pyrene	122	122	-	67-106	compounds were nondetect in sample HIMW-		
Benzo(b)fluoranthene	123	117	-	65-113	03D and therefore results were not affected by		
Benzo(k)fluoranthene	123	118	-	66-116	the potential high bias.		
- criterion met							

HIMW-13I							
Analyte	MS %R (%)	MSD %R (%)	RPD (%)	QC Limits (%)	Validation Actions		
SVOCs							
Acenaphthylene	109	105	-	64-102	Validation actions were not required as these		
Benzo(a)pyrene	125	123	-	67-106	compounds were nondetect in sample HIMW-		
Benzo(b)fluoranthene	123	119	-	65-113	13I and therefore results were not affected by th		
Benzo(k)fluoranthene	120	119	-	66-116	potential high bias.		
- criterion met							

# **LCS Results**

All LCS/LCSD recovery and precision criteria were met except where noted below.

Site: Downstate OMM Hemsptead Intersection

Report Numbers: 460-218280, 460-218380, 460-218634, 460-218647, 460-220057

Date: December 3, 2020

LCS ID	Compound Recovery (%) RPD Control Limit (%)		Validation Action/Bias		
			SVOCs		
LCS/LCSD 460-724388	Benzo(a)pyrene	LCS 109	-	67-106	Validation actions were not required as benzo(a)pyrene was nondetect in all associated samples and therefore results were not affected by the potential high bias.
Associated san DUP-02, FB-0		3I, HIMW-03I	), FB0914	20, DUP-01, H	IIMW-13S, HIMW-13I, HIMW-13D,
	Indeno(123-cd)pyrene	149, 157	-	55-139	Validation actions were not required as
LCS/LCSD	Benzo(a)pyrene	LCSD 110	-	67-106	the affected compounds were nondetect
460-724722	Benzo(ghi)perylene	LCSD 149	-	48-145	in all associated samples and therefore results were not affected by the potential
	Dibenz(ah)anthracene	LCSD 148	-	57-144	high bias.
Associated san	nples: HIMW-27S, HIMW-2	27I. HIMW-28S	. HIMW-2	28I. HIMW-14	I. HIMW-14D

### **Internal Standards**

All criteria were met.

### **Field Duplicate Results**

Samples HIMW-03I/DUP-01 and HIMW-13D/DUP-02 were submitted as field duplicate pair with this sample group. All results were nondetect in samples HIMW-03I and DUP-01, therefore precision criteria were met.

The following table summarizes the RPDs of the detected analytes in the field duplicate pair HIMW-13D and DUP-02, which were within the acceptance criteria.

Analyte	HIMW-13D (ug/L)	DUP-02 (ug/L)	RPD (%)
Benzene	0.91 J	0.93 J	2.2
Acenaphthene	4.9 J	5.3 J	7.7
Acenaphthylene	8.2 J	9.7 J	16.8

NC – Not calculable

Criteria: When both results are  $\ge 5x$  the RL, RPDs must be < 30%.

When results are < 5x the RL, the absolute difference between the original and field duplicate must be < 2xRL

### **Quantitation Limits**

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). These results were qualified as estimated (J) by the laboratory.

The following table lists the sample dilutions which were performed.

Site: Downstate OMM Hemsptead Intersection

Report Numbers: 460-218280, 460-218380, 460-218634, 460-218647, 460-220057

Date: December 3, 2020

Sample	VOC Dilution Reported	SVOC Dilution Reported
HIMW-27S	A 2-fold dilution was performed due to high target compound levels. All results were detected.	A 10-fold dilution was performed due to high target compound levels. QLs were elevated accordingly.
HIMW-28S	NR	A 5-fold dilution was performed due to high target compound levels. QLs were elevated accordingly.
HIMW-26D	NR	A 4-fold dilution was performed due to high target compound levels. QLs were elevated accordingly.
HIMW-05D	NR	A 5-fold dilution was performed due to high target compound levels. QLs were elevated accordingly.
HIMW-05I	NR	A 2-fold dilution was performed due to high target compound levels. QLs were elevated accordingly.

### **Sample Quantitation and Compound Identification**

Compound identification criteria were met. Calculations were spot-checked; no discrepancies were noted.

Site: Downstate OMM Hemsptead Intersection

Report Numbers: 460-218280, 460-218380, 460-218634, 460-218647, 460-220057

Date: December 3, 2020

### DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

- J Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.
- UJ The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.
- JN The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.
- R Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3

Lab Sample ID: 460-218280-1

Matrix: Water

Job ID; 460-218280-1

Client Sample ID: TB091420 Date Collected: 09/14/20 00:00

Date Received: 09/14/20 18:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Acceptance of	
Benzene	1.0	U	1.0	0.20	2.174	-	rrepared	Analyzed	Dil Fac
Ethylbenzene	1.0	U.	1.0	200				09/17/20 00:39	1
Toluena		U	1977					09/17/20 00:39	1
Xylenes, Total	100	2	1.0	0.38				09/17/20 00:39	
- Manage Interior	2:0	U	2.0	0.65	ug/L			09/17/20 00:39	- 5
Surrogate	%Recovery	Qualifier	Limits					2200000	
1,2-Dichloroethane-d4 (Surr)	85	400000	75 - 123				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107							09/17/20 00:39	1
Dibromofluoromethane (Surr)			76 - 120					09/17/20 00:39	1
Toluene-d8 (Surr)	102		77-124					09/17/20 00:39	
HT HT	91		80-120					09/17/20 00:39	,

Date Collected: 09/14/20 14:25 Date Received: 09/14/20 18:00

Lab Sample ID: 460-218280-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Avernor	Wall of
Benzene	1.0	U	1.0		ug/L		riepared	Analyzed	Dil Fac
Ethylbenzene	1.0	U	- 72					09/17/20 01:50	7
Toluene	1.0		1.0		ug/L			09/17/20 01:50	1
Xylenes, Total			1.0	0.38				09/17/20 01:50	1
riginitia, fishar	2.0	Ų	5.0	0.65	ug/L			09/17/20 01:50	1
Surrogate	%Recovery	Qualifier	Limits				VECHANA		
1,2-Dichloroethane-d4 (Surr)	89	. 400.00	75 - 123				Prepared	Analyzed	Dil Fac
4-Bramafluorobenzene	109		76-120					09/17/20 01:50	1
Dibromofluoromethane (Surr)	105							09/17/20 01:50	1
Toluene-dB (Sum)	100		77 124					09/17/20 01:50	1
randing to louil)	95		80 - 120					09/17/20 01:50	

	95		80 - 120					09/17/20 01:50	4
Method: 8270D - Semiv	olatile Organic Co	ompounds	(GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	*******	-
2-Methylnaphthalene	10	U	10	1.1	ug/L		09/16/20 09:53	Analyzed	DII Fac
Acenaphthene	10	U	10	5.1	ug/L			The second secon	1
Acenaphthylene	10	U	10	0.82	-		09/16/20 09:53		7
Anthracene	10	u	10	0.63			09/16/20 09:53		. 1
Benzo[a]anthracene	1.0	-	1,0		1		09/16/20 09:53	10 To	1
Barizo[a]pyrene	1.0			0.59			09/16/20 09:53	The second secon	1
Benzo[5]fluoranthene	2.0	9 13	1.0	400 5 700	ug/L		09/16/20 09:53		1
Benzo[g.n.i]perylene	10		2.0		Vg/L		09/16/20 09:53	09/17/20 02:47	1
Benzo[k]fluoranthene			10		ug/L		09/16/20 09:53	09/17/20 02:47	1
Chrysene	1.0		1.0	0.67	ug/L		09/16/20 09:53	09/17/20 02:47	-
Dibenz(a,h)anthracene	2,0		2.0	0.91	ug/L		09/16/20 09:53	09/17/20 02:47	1
Fluoranthene	1.0		1,0	0.72	ug/L		09/16/20 09:53	09/17/20 02:47	
(2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	10	U	10	0.84	ug/L		09/16/20 09:53	09/17/20 02:47	
Fluorene	10	U	10	0.91	ug/L		09/16/20 09:53	09/17/20 02:47	
Indeno[1,2,3-cd]pyrene	2.0	U	2.0		LIG/L		09/16/20 09:53		-
Naphthalene	2.0	U.	2.0		ug/L		09/16/20 09:53	09/17/20 02:47	1
Phenanthrene	10	U.	10	100 000	ug/L			09/17/20 02:47	1
Pyrene	10		10	20			09/16/20 09:53	D9/17/28 02:47	. 1
			114	1.0	ug/L		09/16/20 09:53	09/17/20 02:47	1
Surrogate	%Recovery	Qualifier	I Imilia				water to the same		

Surrogate	%Recovery Qualifier	Limits	W-77-5-78		
2-Fluorobiphenyl	70		Prepared	Analyzed	Dil Fac
	10	42 - 127	09/16/20 09:53	09/17/20 02:47	
Nitrobenzene-d5 (Surr)	77	46-137			
			09/16/20 09:53	09/17/20 02:47	1

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3

Job ID: 460-218280-1

Client Sample ID: H1MW-03S

Date Collected: 09/14/20 14:25 Date Received: 09/14/20 18:00

Lab Sample ID: 460-218280-2

Matrix: Water

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

10 U

2.0 LI

2.0 U

10 U

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	11 - 91		39 - 150	The second secon		
277	HI		55-150	09/16/20 09:53	09/17/20 02:47	1

Client Sample ID: H1MW-03I Lab Sample ID: 460-218280-3 Date Collected: 09/14/20 13:35

Matrix: Water Date Received: 09/14/20 18:00

Method: 8260C - Volatile Org	ganic Compo	unds by G	C/MS						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Value of the	-
Benzene	1.0	U	1.0		ug/L	-	Frepared	Analyzed	Dil Fac
Ethylbenzene		U						09/17/20 02:14	1
Toluene			1.0		ug/L			09/17/20 02:14	1
75755486	1.0	U	1.0	0.38	Lig/L			09/17/20 02:14	- 9
Xylenes, Total	2.0	U	2.0	0.65				09/17/20 02:14	1
Surrogate	%Recovery	Qualifier	Limits				6 contracts	200000	or belower
1,2-Dichloroethane-d4 (Surr)	92	3-47-C-15-TO	75 - 123				Prepared	Analyzed	DII Fac
4-Bromofluorobenzene	16		3.4					09/17/20 02:14	1
ACTOR REVISION CONTRACTOR	110		76 - 120					09/17/20 02:14	7
Dibromofluoromethane (Surr)	111		77-124					09/17/20 02:14	- 0
Toluene-d8 (Surr)	97		80 120					09/17/20 02:14	7

Toluene-d8 (Surr)	97		80 120					09/17/20 02:14	7
Method: 8270D - Semivola	tile Organic Co	mpounds	(GC/MS)					2 2/22   1-24/23-10	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	1.1	ug/L		09/16/20 09:53		Un rac
Acenaphthene	10	U	10	1.1	ug/L		09/16/20 09:53		
Acenaphthylene	10	U	10	0.82	0.00		09/16/20 09:53	The market	- 4
Anthracene	10	U	10	0.63			09/16/20 09:53	09/17/20 03:08	1
Benzo[a]anthracene	1.0	U	1.0	0.59	4		09/16/20 09:53	127-100-1-100-1-100	100
Benzo[a]pyrene	1,0	ut	1.0	0.41	ug/L				(1)
Benzo[b]fluoranthene	2.0	II.	2.0	4000			09/16/20 09:53	Carried States in a calability	1
Benzolg,h,i]perylene	10						09/16/20 09:63	09/17/20 03:08	1
Benzo(k)/Juoranthene	1.0	-	10	1.4	ug/L		09/16/20 09:53	09/17/20 03:08	1
Chrysene	2.0		1.0	0.67	ug/L		09/16/20 09:53	09/17/20 03:08	4
Dibenz(a,h)anthracene			2.0	0.91	ug/L		09/16/20 09:53	09/17/20 03:08	1
Fluoranthene	1.0		1,0	0.72	lig/L		09/16/20 09:53	09/17/20 03:08	1
Fluorene	10		10	0.84	ug/L		09/16/20 09:53	09/17/20 03:08	1

Pyrene Pyrene		10		10	ug/L ug/L		09/17/20 03:08 09/17/20 03:08	1
Surrogate		%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl		103		42 127		The second secon	09/17/20 03:08	20,000
Nitrobenzene-d5 (Surr)		106		46 - 137			09/17/20 03:08	
Terphenyl-d14 (Surr).	HI	114		39 - 150			09/17/20 03:08	1
OI		La						

10

2.0

2.0

0.91 Lig/L

0.94 ug/L

Tit ug/L

Client Sample ID: H1MW-03D

Date Collected: 09/14/20 12:25 Date Received: 09/14/20 18:00

Naphthalene

Phenanthrene

indeno[1,2,3-cd]pyrene

Lab Sample ID: 460-218280-4

09/16/20 09:53 09/17/20 03:08

09/16/20 09:53 09/17/20 03:08

09/16/20 09:53 09/17/20 03:08

Matrix: Water

Method: 8260C - Volat	ile Organic Compou	unds by GC/	MS						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L		- Approva	09/17/20 02:38	1

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3

Lab Sample ID: 460-218280-4

Matrix: Water

Job ID: 460-218280-1

# Client Sample ID: H1MW-03D

Date Collected: 09/14/20 12:25 Date Received: 09/14/20 18:00

Method: 8260C - Volatile C Analyte	Resul	Qualifier	RL		Unit	D	Prepared	Amahawad	DUE
Ethylbenzene	1.0	U	1.0	0.30		_ =	repared	Analyzed 09/17/20 02:38	Dil Fa
Toluene	1.0	U	1.0	0.38	40			09/17/20 02:38	
Xylenes, Total	2.0	U	2.0		ug/L			09/17/20 02:38	
Surrogate	%Recovery	Qualifier	Limits				Occurrent		
1.2-Dichloroethane-d4 (Surr)	85		75 - 123				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene	107	1	76-120					09/17/20 02:38	
Dibromofluoromethane (Surr)	104		77-124					09/17/20 02:38	-
Toluene-d8 (Surr)	93		80 - 120					09/17/20 02:38 09/17/20 02:38	3
Method: 8270D - Semivola	tile Organic Co	mnounde	(GC/MS)					Deliver of the	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	
2-Methylnaphthalene	10	U	10	1:1	ug/L	_	09/16/20 09:53		Dil Far
Acenaphthene	10	U	10	1.1	ug/L		09/16/20 09:53	09/17/20 05:35	
Acenaphthylene	10	U	10	0.82	ug/L		09/16/20 09:53	09/17/20 05:35	
Anthracene	10	U	10	0.63	ug/L		09/16/20 09:53	09/17/20 05:35	
Benzo[a]anthracene	1.0	U	1.0		ug/L		09/16/20 09:53	09/17/20 05:35	
Benzo[a]pyrene	1.0	01	1.0		ug/L		09/16/20 09:53	09/17/20 05:35	-
Benzo[b]fluoranthene	2.0	U	2.0	0.68			09/16/20 09:53	09/17/20 05:35	- 4
Benzo[g,h,i]perylene	10	U	10		ug/L		09/16/20 09:53	09/17/20 05:35	
Benzo(k)fluoranthene	1.0	U	1.0		ug/L		09/16/20 09:53	09/17/20 05:35	- 8
Chrysene	2.0	U	2.0	120	ug/L		09/16/20 09:53	09/17/20 05:35	
Dibenz(a,h)anthracene	1.0	U	1.0	70,700	ug/L		09/16/20 09:53	09/17/20 05:35	3
Fluoranthene	10	U	10		ug/L		09/16/20 09:53	09/17/20 05:35	
Fluorene	10	U	10	3.63	ug/L		09/16/20 09:53	09/17/20 05:35	1
ndeno[1.2,3-cd]pyrene	2.0	U	2.0	707	ug/L		09/16/20 09:53		1
Naphthalene	2.0	U	2.0	47.67	ug/L		09/16/20 09:53	09/17/20 05:35	17
Phenanthrene	10	U	10		ug/L		09/16/20 09:53	09/17/20 05:35	
Pyrene			10		ug/L		09/16/20 09:53	09/17/20 05:35 09/17/20 05:35	1
Surrogate	%Recovery	Qualifier	Limits						
-Fluorobiphenyl	102		42 . 127				Prepared 09/16/20 09:53	Analyzed	Dil Fac
litrobenzene-d5 (Surr)	104		46 - 137					09/17/20 05:35	7.
erphenyl-d14 (Surr)	105		39 - 150				09/16/20 09:53 09/16/20 09:53	09/17/20 05:35	7

Client Sample ID: FB091420

Date Collected: 09/14/20 12:40 Date Received: 09/14/20 18:00 Lab Sample ID: 460-218280-5

Matrix: Water

Method: 8260C - Volatile	Organic	Compounds	by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	BU F
Benzene	1.0	U	1.0		ug/L		ricpared		Dil Fac
Ethylbenzene	1.0	U	1.0	0.30				09/17/20 01:03	
Toluene	1.0	U	1.0	0.38	- 56			09/17/20 01:03	- 3
Xylenes, Total	2.0		2.0	0.65	1.4			09/17/20 01:03	1
	200		2,0	0.00	ug/L			09/17/20 01:03	1
Surrogate:	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Q	ualifier	Limits	Prepared Ana	harrer .	
1,2-Dichloroethane-d4 (Surr)	98	243/17/	75 - 123		lyzed 20:01:03	Dil Fac
4-Bromofluorobenzene	122 *		76-120	100000		1
Dibromofluoromethane (Surr)	119		77-124	35.245	20 01:03	1
Toluene-d8 (Surr)	106		80-120	3527.40	20 01:03	1
- Contract	100		00-120	09/17/2	20 01:03	4

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3

Lab Sample ID: 460-218280-5

Matrix: Water

Job ID: 460-218280-1

Client Sample ID: FB091420 Date Collected: 09/14/20 12:40

Date Received: 09/14/20 18:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	1.1	ug/L		09/16/20 09:53	09/17/20 03:29	Dil Fac
Acenaphthene	10	U	10	1.1	100		09/16/20 09:53	09/17/20 03:29	
Acenaphthylene	10	U	100	0.82			09/16/20 09:53	09/17/20 03:29	
Anthracene	10	U	10	0.63	1		09/16/20 09:53	09/17/20 03:29	1
Benzo[a]anthracene	1.0	U	1.0	0,59			09/16/20 09:53	09/17/20 03:29	
Benzo[a]pyrene	1.0	U*	1.0	0.41			09/16/20 09:53	09/17/20 03:29	
Benzo[b]fluoranthene	2.0	U	2.0	0.68			09/16/20 09:53	09/17/20 03:29	- 2
Benzo[g,h,i]perylene	10	U	10		ug/L		09/16/20 09:53		- 3
Benzo[k]fluoranthena	3,0	U	1.0	0.67				09/17/20 03:29	3
Chrysene	2.0		2.0	100,000	ug/L		09/16/20 09:53	09/17/20 03:29	4
Dibenz(a,h)anthracene	1.0	0	1.0	0.72			09/16/20 09:53	09/17/20 03:29	3
Fluoranthene	10	U	10				09/16/20 09:53	09/17/20 03:29	1
Fluorene	10		10	0.91			09/16/20 09:53	09/17/20 03:29	1
ndeno[1.2,3-cd]pyrene	2.0	100	2.0		ug/L		09/16/20 09:53	09/17/20 03:29	1
Naphthalene	2.0		2.0	1.1	Ug/L		09/16/20 09:53	09/17/20 03:29	1
Phenanthrene	10		10	0.74	ug/L		09/16/20 D9:53	09/17/20 03:29	1
Pyrene	10				ug/L		09/16/20 09:53	09/17/20 03:29	- 3
,114.10	10	U	10	1.6	ug/L		09/16/20 09:53	09/17/20 03:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Anahorad	68 5
2-Fluorobiphenyl	100		42-127				09/16/20 09:53	Analyzed 09/17/20 03:29	Dil Fac
Vitrobenzene-d5 (Surr)	100		46.137				09/16/20 09:53		7
Terphenyl-d14 (Surr)	116		39 - 150				09/16/20 09:53	09/17/20 03:29 09/17/20 03:29	7

Client Sample ID: DUP-01 Date Collected: 09/14/20 00:00

Date Received: 09/14/20 18:00

Lab Sample ID: 460-218280-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Benzene	1.0	U.	1.0	0.20	ua/L	-	· /epii.ou	09/17/20 03:02	Dil Pad
Ethylbenzene	1:0	u	1.0		Ug/L			09/17/20 03:02	
Toluene	1.0.	U	1,0	0.38	7.			111111111111111111111111111111111111111	
Xylenes, Total	2.0		2.0					09/17/20 03:02	1
	2.0.	4	18,11	0,05	ug/L			09/17/20 03:02	1
Surrogate	%Recovery	Qualitier	Limits				Prepared	Analyzed	DOCT
1.2-Dichloroethane-d4 (Surr)	86		75 - 123				Tropurou	and the last form the second of the	Dil Fac
4-Bromofluorobenzene	106		76 - 120					09/17/20 03:02	7
Dibromofluoromethane (Surr)	102							09/17/20 03:02	1
Toluene-d8 (Surr)			77-124					09/17/20 03:02	1
reineria-ne fontil	92		80 - 120					09/17/20 03:02	- 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	1.1	ug/L		CATAL MANAGEMENT	State State See Sec. 1. The Sec. of Sec. 1997.	DITTEL
Acenaphthene	10	U	10		ug/L			100 linea labored	
Acenaphthylene	10	M	10	0.82			Charles and the	09/17/20 03:50	- 2
Anthracene	10	U	10	0.63				09/17/20 03:50	100
Benzo[a]anthracene	1.0	U	1.0	0.59				ACTUAL TRANSPORT OF THE PARTY.	
Benzo[a]pyrene	1.0	Ut	7.0	0.41				ALL LIVER SOLVE	
3enzo[b]fluoranthene	2.0	U	2.0	0.68	-				
3enzo[g,h,i]perylene	10	U.	10		ug/L		100 miles		
Benzo[k]fluoranthene	1.0	U	1.0	0.67				TO THE WATER	- 1

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3

Lab Sample ID: 460-218280-6

Matrix: Water

Job ID: 460-218280-1

Client Sample ID: DUP-01 Date Collected: 09/14/20 00:00 Date Received: 09/14/20 18:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	2.0	U	2.0	0.91	ug/L	- 2	09/16/20 09:53	The second secon	Dir Fac
Dibenz(a,h)anthracene	1.0	U	1.0		ug/L		09/16/20 09:53	- Color Total Color Color	
Fluoranthene	10	U	10		Lig/L		09/16/20 09:53	Transfer and an order	
Fluorene	10	U	10		ug/L		09/16/20 09:53		3
Indeno[1,2,3-cd]pyrene	2.0	u	2.0	0.94			Application of the first		- 3
Naphthalene	2.0		2.0					09/17/20 03:50	1
Phenanthrene	10	100		1.1	ug/L		09/16/20 09:53		1
Pyrene	2.20		10	0.58			09/16/20 09:53	09/17/20 03:50	9
- yi did	10	U	10	1.8	ug/L		09/16/20 09:53	09/17/20 03:50	- 1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	104		42-127				09/16/20 09:53	09/17/20 03:50	Dirac
Nitrobenzene-d5 (Surr)	108		46-137				09/16/20 09:53	09/17/20 03:50	1
Terphenyl-d14 (Surr)	114		39 - 150				09/16/20 09:53	09/17/20 03:50	1

Client Sample ID: H1MW-13S

Method: 8260C - Volatile Organic Compounds by GC/MS

Date Collected: 09/14/20 11:05

Date Received: 09/14/20 18:00

Pyrene

Lab Sample ID: 460-218280-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L		F104 20 70	09/17/20 03:25	1
Ethylbenzene	1.0	·U	1.0	0.30	ug/L			09/17/20 03:25	4
Toluene	1.0	U	1.0	0.38	ug/L			09/17/20 03:25	4
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/17/20 03:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		75-123				1100000	09/17/20 03 25	Di Fac
4-Bromufluorobenzene	11.8		76-120					09/17/20 03:25	4
Dibromofluoromethane (Surr)	114		77-124					09/17/20 03:25	4
Toluene-d8 (Surr)	101		80 120					09/17/20 03:25	1
Method: 8270D - Semivolar	tile Organic Co	mpounds	(GC/MS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	1.1	ug/L	-	09/16/20 09:53	09/17/20 04:11	1
Acenaphthene	10	U	10	1.1	ug/L		09/16/20 09:53	09/17/20 04:11	1
Acenaphthylene	10	U	10	0.82	ug/L		09/16/20 09:53	09/17/20 04:11	4
Anthracene	10	U	10	0.63	ug/L		09/16/20 09:53	09/17/20 04:11	40
Benzo(a)anthracene	1,0	U	1.0	0.59	ug/L		09/16/20 09:53	09/17/20 04:11	4
Benzolajpyrene	1.0	0 .	1.0	0.41	ug/L		09/18/20 09:53	09/17/20 04:11	
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/16/20 09:53	09/17/20 04:11	4
Benzo(g,h,i]perylene	10	U.	10	1200	ug/L		09/16/20 09:53	09/17/20 04:11	
Benzo[k]fluoranthene	10	u	1.0	77.0	ug/L		09/16/20 09:53		
Chrysene	2.0	U	2.0	0.91	ug/L		09/16/20 09:53	09/17/20 04:11	
Dibenz(a,h)anthracene	1,0	U	1.0.	0.72	ug/L		09/16/20 09:53	09/17/20 04:11	
Fluoranthene	10	U	10		ug/L		09/16/20 09:53	09/17/20 04:11	
Fluorene	10	U	10	2.0	ug/L		09/16/20 09:53	09/17/20 04:11	4
ndeno[1,2,3-cd]pyrene	2.0		2.0	80.00	ug/L		D9/16/20 09:53	09/17/20 04:11	1
Naphthalene		ũ	2.0		ug/L		09/16/20 09:53	09/17/20 04:11	1
Phenanthreno	10.		10	W. obli	ug/L		09/16/20 09:53	The state of the s	
Pyrana			100	0,30	rigir.		Mai 10/20 09:53	09/17/20 04:11	1

09/16/20 09:53 09/17/20 04:11

1.6 µg/L

10 U

Client; GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3

Lab Sample ID: 460-218280-7

Matrix: Water

Job ID: 460-218280-1

Dil Fac

DII Fac

### Client Sample ID: H1MW-13S

Date Collected: 09/14/20 11:05 Date Received: 09/14/20 18:00

Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	101		42 - 127
Nitrobenzene-d5 (Surr)	99		46 - 137
Terphenyl-d14 (Surr)	109		39 - 150

Prepared	Analyzed	DII Fac
09/16/20 09:53	09/17/20 04:11	1
09/16/20 09:53	09/17/20 04:11	7
09/16/20 09:53	09/17/20 04:11	1

09/17/20 03:49

09/17/20 03:49

Client Sample ID: H1MW-13I

Date Collected: 09/14/20 12:15 Date Received: 09/14/20 18:00

Toluene-d8 (Surr)

Lab Sample ID: 460-218280-8 Matrix: Water

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
1.0	U	1.0	0.20	ug/L	- 8		09/17/20 03:49
1.0	U	1.0					09/17/20 03:49
1.0	U	1.0		-			09/17/20 03:49
2.0	U	2,0		170			09/17/20 03:49
%Recovery	Qualifier	Limits				Prenared	Analyzed
85		75 - 123				repared	09/17/20 03:49
108		76 - 120					13 St. C. William Alberta
104		77-124					09/17/20 03:49
	Result 1.0 1.0 1.0 2.0 %Recovery 85 108	Result Qualifier  1.0 U  1.0 U  1.0 U  2.0 U  %Recovery Qualifier  85  108	1.0 U 1.0 1.0 U 10 1.0 U 10 2.0 U 2.0  %Recovery Qualifier Limits 85 75-123 108 76-120	Result Qualifier   RL   MDL	Result Qualifier   RL   MDL Unit   1.0 U   1.0   0.20   ug/L   1.0 U   1.0   0.30   ug/L   1.0 U   1.0   0.38   ug/L   2.0 U   2.0   0.65   ug/L   2.0 U   2.0   0.65   ug/L   2.0   0.6	Result Qualifier   RL   MDL Unit   D	Result Qualifier   RL   MDL Unit   D   Prepared

93

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	1.1	ug/L		09/16/20 09:53	09/17/20 06:59	Diri de
Acenaphthene	10	U	10	1.1	ug/L		09/16/20 09:53	09/17/20 06:59	4
Acenaphthylene	10	U	10	0.82			09/16/20 09:53	09/17/20 06:59	
Anthracene	10	U	10	0.63			09/16/20 09:53	09/17/20 06:59	4
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/16/20 09:53	09/17/20 06:59	1.2
Benzo[a]pyrene	1,0	ut	1.0	0.41	ug/L		09/16/20 09:53	09/17/20 06:59	- 2
Benzo[b]fluoranthene	2,0	Ü	2.0	88.0	ug/L		09/16/20 09:53	09/17/20 06:59	- 1
Benzo[g,h,i]perylene	10	U	10	1.4	ug/L		09/16/20 09:53	09/17/20 06:59	
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/16/20 09:53	09/17/20 06:59	4
Chrysene	2.0	u	2.0	0.91	ug/L		09/16/20 09:53	09/17/20 06:59	1
Dibenz(a,h)anthracene	1.0	u	1.0	0.72	ug/L		09/16/20 09:53	09/17/20 06:59	
Fluoranthene	10	u	10		ug/L		09/16/20 09:53	09/17/20 06:59	
Fluorene	10	U	10	0.91			09/16/20 09:53	09/17/20 06:59	3
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94			09/16/20 09:53	ALCOHOLD BY THE STATE OF THE ST	1
Naphthalene	2.0	U	2.0	0.3	ug/L		09/16/20 09:53	09/17/20 06:59	3
Phenanthrene	10		10	4 7 3 5	ug/L			09/17/20 06:59	1
Pyrene	10		10		ug/L		09/16/20 09:53 09/16/20 09:53	09/17/20 06:59	1
					000		CO. ST. LINES	1011/04 (48)44	

80.120

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluarabiphenyl	97	42 - 127	09/16/20 09:53	The second secon	
Nitropenzene-d5 (Surr)	99	46 - 137	09/16/20 09:53		
Terphenyl-d14 (Sum)	108	39 - 150	09/16/20 09:53		

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3

Lab Sample ID: 460-218280-9

Matrix: Water

Job ID: 460-218280-1

Client Sample ID: H1MW-13D Date Collected: 09/14/20 13:25

Date Received: 09/14/20 18:00

Method: 8260C - Volatile C Analyte	Result	Qualifier	RL	MDL	Unit	-	Electric and	4752000	
Benzene	0.91		1.0	0.20		D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1.0	10.70	1.0	0.30				09/17/20 04:13	- 7
Toluene	1.0		1.0					09/17/20 04:13	2
Xylenes, Total	2.0		2.0		ug/L ug/L			09/17/20 04:13	7
Postaria	64EV		57.3	9,00	ugrt			09/17/20 04:13	1
Surrogate	%Recovery		Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		75 - 123					09/17/20 04:13	7
4-Bramofluorobenzene	103		76.120					09/17/20 04:13	1
Dibromofluoromethane (Surr)	103		77 - 124					09/17/20 04:13	7
Toluene-d8 (Surr)	90		80 - 120					09/17/20 04-13	7
Method: 8270D - Semivola	tile Organic Co	mpounds	(GC/MS)						
Analyte	Result	Qualifier	RL	MOL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	1.0	U	10	1.1	ug/L		09/16/20 09:53	09/17/20 04:32	1
Acenaphthene	4.9	J	10	1.1	ug/L		09/16/20 09:53	All the second second	3
Acenaphthylene	8.2	3	10	0.82	ug/L		09/16/20 09:53	09/17/20 04:32	(4)
Anthracene	10	U	10	0.63	ug/L		09/16/20 09:53	09/17/20 04:32	4
Benzo(a)anthracene	1.0	U	1.0	0.59	ug/L		09/16/20 09:53		4
Benzo(a)pyrene	1.0	UT	1,0	0.41	ug/L		09/16/20 09:53	09/17/20 04:32	
Benzo[b]fluoranthene	2.0	U	2.0	0,68	ug/L		09/16/20 09:53	09/17/20 04:32	4
Benzo(g,h,i)perylene	10	U	10	1.4	ug/L		09/16/20 09:53		7
Benzo(k)fluoranthene	1 O	U	1.0	0.67	ug/L		09/16/20 09:53	09/17/20 04:32	3
Chryseno	2.0	U	2.0	0.91	ug/L		09/16/20 09:53	09/17/20 04:32	2
Dibenz(a,h)anthracens	1.0	U	1.0	0.72	ug/L		09/16/20 09:53	09/17/20 04:32	- 3
Fluoranthene	10	U	10	0.84	ug/L		09/16/20 09:53	09/17/20 04:32	4
Fluorene	10	U	10	0.91	ug/L		09/16/20 09:53	09/17/20 04:32	
indeno(1,2,3-cd)pyrane	2.0	U	2,0		ug/L		09/16/20 09:53		
Naphthalene	2.0	U	2.0	1200	ug/L		09/16/20 09:53		- 9
Phenanthrene	10	-	10	0.58				09/17/20 04:32	- 0
Pyrene	10		10		ug/L		09/16/20 09:53	09/17/20 04:32 09/17/20 04:32	1
Surrogate	%Recovery	Qualifier	Limits						700
2-Fluorobiphenyl	92	www.	42 - 127				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	94		46 - 137				09/16/20 09:53	09/17/20 04:32	7
Tempenyl-d14 (Sum)	94		40 - 137				09/16/20 09:53	09/17/20 04:32	1

Client Sample ID: DUP-02

Terphenyl-d14 (Sun)

Date Collected: 09/14/20 00:00

Date Received: 09/14/20 18:00

Lab	Sample	ID:	460-218280-10
			Matrix: Water

09/16/20 09:53 09/17/20 04:32

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.93	J	1.0	0.20	ug/L	-	3.102.000	09/17/20 04:37	4
Ethylbenzene	1.0	U	1.0		ug/L			09/17/20 04:37	
Toluene	1.0	U .	1.0		ug/L			09/17/20 04:37	
Xylenes, Tatal	2.0	U	2.0	0.65	-			09/17/20 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		75-123				, repured	09/17/20 04:37	Dil Pac
4-Bromofluorobenzene	119		76-120						
Dibromofluoromethane (Surr)	191		77-124					09/17/20 04:37	j

39 - 150

94

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3

Lab Sample ID: 460-218280-10

Matrix: Water

Job ID: 460-218280-1

Client Sample ID: DUP-02 Date Collected: 09/14/20 00:00 Date Received: 09/14/20 18:00

Surrogate	%Recovery	Qualifier	Limits				Decommend	\$600.00	200
Toluene-d8 (Surr)	101		80 - 120				Prepared	Analyzed 09/17/20 04:37	Dil Fac
Mathad: 92700 C		Total Company	N-Cala					03/1/20 04.3/	4
Method: 8270D - Semivo Analyte	nathe Organic Co	mpounds							
Secretary and the second secon		Qualifler	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10		10	1.7	ug/L		09/18/20 09:53	09/17/20 04:53	1
Acenaphthene	5.3	J	10	1.1	ug/L		09/16/20 09:53	09/17/20 04:53	- 4
Acenaphthylene	9.7	J	10	0.82	ug/L		09/16/20 09:53	09/17/20 04:53	
Anthracene	10	U	10	0.63	ug/L		09/16/20 09:53	09/17/20 04:53	3
Benzo[a]anthracene	1.0	U	1.0	0,59	ug/L		09/16/20 09:53	09/17/20 04:53	1
Benzo[a]pyrene	1.0	Ut	7.0	0.41	ug/L		09/16/20 09:53	09/17/20 04:53	4
Benzo(b)fluoranthene	2.0	U	2,0	0.68	ug/L		09/16/20 09:53	09/17/20 04:53	- 4
Benzo[g.h.i]perylene	10	U	10	1.4	Ug/L		09/16/20 09:53	09/17/20 04:53	- 4
Benzo[k]fluoranthene	1,0	U.	1.0	0.67	ug/L		09/16/20 09:53	09/17/20 04:53	4
Chrysene	2.0	Ü.	2.0	0.91	ug/L		09/16/20 09:53	09/17/20 04:53	- 13
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/16/20 09:53		
Fluoranthene	10	Ü	10	0.84	ug/L			09/17/20 04:53	
Fluorene	10	U	10	0.91	ug/L		09/16/20 09:53	09/17/20 04:53	,
Indeno[1.2,3-cd]pyrene	2.0	U	2.0	0.94			09/16/20 09:53	09/17/20 04:53	7
Naphihalene		U			ug/L		09/16/20 09:53	09/17/20 04:53	T
Phenanthrene	10	U	2.0	1.1	ug/L		09/16/20 09:53	09/17/20 04:53	1
Pyrene	200		10		ug/L		09/16/20 09:53	09/17/20 04:53	1
31616	10	U	10	1.6	ug/L		09/16/20 09:53	09/17/20 04:53	17
Surrogate	%Recovery	Qualifier	Limits				Prepared	Anahovad	00.5
2-Fluorobiphenyl	103	42740301	42-127				09/16/20 09:53	Analyzed	DII Fac
Nitmbenzene d5 (Surt)	404		40 400				Day 10/20 UB.33	09/17/20 04:53	7

Client Sample ID: FB-091420CB

104

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Date Collected: 09/14/20 14:30

Nitrobenzene-d5 (Surr)

Terphenyl-d14 (Surr)

Lab Sample ID: 460-218280-11

09/16/20 09:53 09/17/20 04:53

09/16/20 09:53 09/17/20 04:53

Matrix: Water

Pate Received. 09/14/20 18:	00								
Method: 8260C - Volatile O			C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene:	1.0	U	1.0	0.20	ug/L	=		09/17/20 00:15	1
Ethylbenzene	1.0	U	1.0	0.30				09/17/20 00:15	
Toluene	1:0	U	1.0	0.38	ug/L			09/17/20 00:15	
Xylenes, Total	2.0	U	2.0		ug/L			09/17/20 00:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Ameliand	m)/ m
1,2-Dichloroethane-d4 (Surt)	78	3400000	75-123				Frepareu	Analyzed	Dil Fac
4-Bromofluorobenzene	97		76 - 120					09/17/20 00:15	7
Dibromofluoromethane (Surr)	96		77-124					09/17/20 00:15	- 1
Toluene-d8 (Surr)	85		80 120					09/17/20 00:15	7
12.10.10.10.10.10.10.10.10.10.10.10.10.10.	au.		00 120					09/17/20 00:15	7
Method: 8270D - Semivolat	ile Organic Co	mpounds	(GC/MS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
2-Methylnaphthalene	10	U	10	1.1	ug/L	_	09/16/20 09:53	09/17/20 05:14	Darad
Acenaphthene	10	U	10	7.1	ug/L		09/16/20 09:53		
Acenaphthylene	10	U	10	0.82	ug/L		09/16/20 09:53	09/17/20 05:14	1
Anthracane	10	W	10	No. America	ug/L			09/17/20 05:14	
	1.0	-		9.03	DAL		09/16/20 09:53	09/17/20 05:14	1

46 - 137

39 - 150

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3

Lab Sample ID: 460-218280-11

Matrix: Water

Job ID: 460-218280-1

Client Sample ID: FB-091420CB

Date Collected: 09/14/20 14:30 Date Received: 09/14/20 18:00

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	1.0		1.0	0.59	ug/L		09/16/20 09:53	N. A. Salah	1
Benzo[a]pyrene	1.0	UF	1.0	0.41	ug/L		09/16/20 09:53	09/17/20 05:14	- 1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/16/20 09:53	09/17/20 05:14	1
Benzo[g,h,i]perylene	10	U	10	1.4	ug/L		09/16/20 09:53	09/17/20 05:14	
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/16/20 09:53	09/17/20 05:14	
Chrysene	2.0	U	2.0	0.91	ug/L		09/16/20 09:53	09/17/20 05:14	12
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	-		09/16/20 09:53	09/17/20 05:14	
Fluoranthène	10	U	10	0.84			09/16/20 09:53	09/17/20 05:14	
Fluorene	10	U	10	0.91	ug/L		09/16/20 09:53	09/17/20 05:14	
ndeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/16/20 09:53	09/17/20 05:14	
Naphthalene	2.0	u	2.0	1.1	ug/L		09/16/20 09:53	09/17/20 05:14	4
Phenanthrene	10	U	10	1, 204	ug/L		09/16/20 09:53	09/17/20 05:14	- 12
Pyrene	10	u	10		ug/L		09/16/20 09:53	09/17/20 05:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	100		42-127				09/16/20 09:53	09/17/20 05:14	Dil Fac
Vitrobenzene-d5 (Surr)	99		46 - 137				09/18/20 09:53	09/17/20 05:14	1
Terphenyl-d14 (Surr)	115		39 - 150				09/16/20 09:53	09/17/20 05:14	7

# stAmerica New York City

STAND PLEASE

**TestAmeno** 

Chain of Custody Record

1) Island Olly, NY 11101-2425 S TAMP

У Сезслиенса Laboratories, Inc. Sample Specific Notes. 10 or Lats Use Grily ms/msD m5 1750 Jaken Other ob / SDG No. ab Sampling Carrier Test America 460-218280 Chain of Custody 5-Day RUSH Site Control: Mike Quinlan Lab Confact: Melissa Haas COMM XX X X PARTY STREET, WILLIAM STREET, × RC9 1 17) dam ( am unohes 290 m スススグススス SNO T WORKING DAYS | atrix GIA Analysis Turnsround Time Project Manager: Chris Marris Type Coldons NO. SP Fell ax: (631) 755-2967 Samula 14 25 1335 1225 1240 5121 Time 1105 CALENDAR DAYS 02 HD Sample 0000 Inc. Name: National Std Hempstead Intersection Connectati Former MGP Ste. Sample Identification HIMM-030 Dup-01 HIMM - 13.5 HIM-031 HIMM-035 HIMM-13D Dop-02 TIM-13 I Phone Client Confact T6591120 -B091420 FAX lington Station, NY 11745 Consultants inc. P.C. D New York Ave # 1905774.16.3 1.78V 9300 1.760 - 9301

Sample Disposar ( A fee may be assessed it painples are retained tonger than 1 month) any samples from a listed EPA Minardous Waster Please List any EPA Maste Codes for the sempton the servation Used. for ion, 2= HCL 3= H25G4; (=FING3; 5=NeOH; 6= Ottoments Section aline lab is to displace of the sample Non-test 1 Normales Sentiments & Comments of Comments albia Hazard Identification:

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FB-0914 25CB

REPORT

CAT B

2

Jerry C) Desid Received by Carly The Tate/T Company, GEI Consullants Inc. Lustbdy Seat-No COLLEG Austral By Instocy Seals total rausher by

Form No. CA - WI-352 Rev. 4.11, dated 1/24/2017

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Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection

Job ID: 460-218380-1

Lab Sample ID: 460-218380-1

Matrix: Water

Chent	Sample	D: TB	091520
		Tean	1

Date Collected: 09/15/20 00:00 Date Received: 09/15/20 19:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L		1,756.0,00	09/17/20 21:42	Direc
Ethylbenzene	1.0	U	1.0	0.30					
Toluene	1.0	100						09/17/20 21:42	1
Xylenes, Total	10.3	1995	1.0		ug/L			09/17/20 21:42	1
Aylenes, total	2.0	U	2.0	0.65	ug/L			09/17/20 21:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	DH F
1,2-Dichloroethane-d4 (Surr)	96		75-123				repared	St. Sandrack and Market St. Sandrack	Dil Fac
4-Bromofluorobenzene	107							09/17/20 21:42	1
Dibromofluoromethane (Surr)			76 - 120					09/17/20 21:42	1
	103		77-124					09/17/20 21:42	1
Toluene-d8 (Surr)	98		80 - 120					09/17/20 21:42	7

Client Sample ID: H1MW-27S

Date Collected: 09/15/20 09:15 Date Received: 09/15/20 19:00 Lab Sample ID: 460-218380-2 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	7.1		2,0	0.41	ug/L	- "	11-1-6-22	09/18/20 04:40	מבוווט
Ethylbenzene	400		2.0	0.60				09/18/20 04:40	2
Toluene	12		2.0	610,00	ug/L			09/18/20 04:40	
Xylenes, Total	440		4.0		ug/L			09/18/20 04:40	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Anniboration	
1,2-Dichloroethane-d4 (Surr)	97		75.123				repared	Analyzed 09/18/20 04:40	Dil Fac
4-Bromofluorobenzene	104		76 - 120						2
Dibromofluoromethane (Surr)	105		77-124					09/18/20 04:40	5
Toluene-d8 (Surr)	100							09/18/20 04:40	2
Carried and Walters W.	100		80-120					09/18/20 04:40	2.

			22-110					UB/ 10/20 04:40	2
Method: 8270D - Semivol			(GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	280		100	11	ug/L	-	09/17/20 09:57	09/18/20 06:56	10
Acenaphthene	77	7	100	11	ug/L		09/17/20 09:57	09/18/20 06:56	10
Acenaphthylene	100	U	100	8.2			09/17/20 09:57	09/18/20 06:56	10
Anthracene	100	U	100	6.3	ug/L		09/17/20 09:57	09/18/20 06:56	10
Benzo[a]anthracene	10	U	10	5.9	ug/L		09/17/20 09:57	09/18/20 06:56	10
Benzojajpyrene	10	Uf	10	4.1	ug/L		09/17/20 09:57		100
Benzo[b]fluoranthene	20	U	20	6.8	ug/L			09/18/20 06:56	10
Benzo[g,h,i]perylene	100	Committee	100		-		09/17/20 09:57	09/18/20 06:56	10
Benzo[k]fluoranthene	10		-		ug/L		09/17/20 09:57	09/18/20 06:56	10
Chrysene			10	6.7	ug/L		09/17/20 09:57	09/18/20 06:56	10
	20		50		ug/L		09/17/20 09:57	09/18/20 06:56	10
Dibenz(a,h)anthracene	10	UF	10	7.2	ug/L		09/17/20 09:57	09/18/20 06:56	10
Fluoranthene	100	U	100	8.4	ug/L		09/17/20 09:57	09/18/20 06:56	10
Fluorene	32	J	100	9.1	ug/L		09/17/20 09:57	09/18/20 06:56	10
Indeno[1,2,3-cd]pyrene	20	UT-	20	400	ug/L		09/17/20 09:57	09/18/20 06:56	10
Naphthalene	970		:20	-2.0	ug/L		09/17/20 09:57	09/18/20 06:56	10
Phenanthrene	33	J	100		ug/L		09/17/20 09:57	09/18/20 06:56	
Pyrene	100		100	16	ug/L		09/17/20 09:57	09/18/20 06:56	10
A LONG TO SERVICE A LONG TO SE							4,000	Carrier and Market	1.4

Surrogate	%Recovery C	Qualifier	Limits
2-Fluorobiphenyl	94	110012	42-127
Nitrobenzene-d5 (Surr)	93		46-137

 Prepared
 Analyzed
 DII Fac

 09/17/20 09:57
 09/18/20 06:56
 10

 09/17/20 09:57
 09/18/20 06:56
 10

Client: GEI Consultants, Inc.

Project/Site; National Grid Hempstead Intersection

Client Sample ID: H1MW-27S

Date Collected: 09/15/20 09:15 Date Received: 09/15/20 19:00

Lab Sample ID: 460-218380-2

Matrix: Water

Job ID: 460-218380-1

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

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac Terphenyl-d14 (Surr) 39-150 09/17/20 09:57 09/18/20 06:56

Client Sample ID: H1MW-27I

Method: 8260C - Volatile Organia Cam

Date Collected: 09/15/20 08:00 Date Received: 09/15/20 19:00 Lab Sample ID: 460-218380-3

Matrix: Water

Analyte		Qualifier	NS RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	7100	_	Tropared	09/17/20 23:45	DILFAC
Ethylbenzene	1:0	U	1.0	0.30				09/17/20 23:45	
Toluene	1.0	U	1,0	0.38	-			09/17/20 23:45	- 1
Xylenes, Total	2.0	u	2.0	0.65				09/17/20 23:45	1

Surrogate	%Recovery Qualifier	Limits	Prepared Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100	75-123	09/17/20 23:45	10000
4-Bromofluorabenzene	106	76 - 120	09/17/20 23:45	9
Dibromofluoromethane (Surr)	106	77-124	09/17/20 23:45	4
Toluene-d8 (Surr)	98	80 - 120	09/17/20 23:45	

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
2-Methylnaphthaiene	10	Ü	10	1.1	ug/L	_	09/17/20 09:57	09/17/20 23:55	Direc
Acenaphthene	10	U	10	1.1	ug/L		09/17/20 09:57	09/17/20 23:55	
Acenaphthylene	10	U	10	0.82			09/17/20 09:57	09/17/20 23:55	
Anthracene	10	U	10	0.63			09/17/20 09:57	09/17/20 23:55	2
Benzolajanthracene	1,0	u	1.0	0.59	ug/L		09/17/20 09:57	09/17/20 23:55	
Benzo[a]pyrene	1.0	01	1.0	0.41	ug/L		09/17/20 09:57	09/17/20 23:55	
Benzo[b]fluoranthene	2.0	ü	2.0	10.75	ug/L		09/17/20 D9:57	09/17/20 23:55	- 4
Benzo(g,h,i)perylene	10	UT	10	1,4	ug/L		09/17/20 09:57	09/17/20 23:55	
Benzo[k]fluoranthene	1.0	U	1,0	0.67	ug/L		09/17/20 09:57	09/17/20 23:55	4
Chrysene	2.0	U	2.0	0.91	Ug/L		09/17/20 09:57	09/17/20 23:55	
Dibenz(a,h)anthracene	1.0	UF	1-0	0.72			09/17/20 09:57	09/17/20 23:55	
Fluoranthene	10.	U	10	0.84	ug/L		09/17/20 09:57	09/17/20 23:55	
Fluorene	10	U	10	0.91	ug/L		09/17/20 09:57	09/17/20 23:55	4
Indeno[1,2,3-cd]pyrene	2,0	UJ -	2:0	0.94	ug/L		09/17/20 09:57	09/17/20 23:55	4
Naphthalene	2.0	U	2.0	1.1	ug/L		09/17/20 09:57	09/17/20 23:55	-
Phenanthrene	10	U	10	0.58	ug/L		09/17/20 09:57	09/17/20 23:55	14.
Pyrene	10	UJ	10	8000	ug/L		09/17/20 09:57	09/17/20 23:55	4

Surrogate		%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl		100		42 - 127	09/17/20 09:57	100	
Nitrobenzene-d5 (Surr)		102		46 - 137	09/17/20 09:57		
Terphenyl-d14 (Surr)	HIT	149		39-150	09/17/20 09:57	TOTAL TOTAL POST POST POST	1

Client Sample ID: H1MW-28S

Date Collected: 09/15/20 11:35 Date Received: 09/15/20 19:00

Lab Sample ID: 460-218380-4

Matrix: Water

Method: 8260C - Vola	tile Organic Compounds by	GC/MS						
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dii Fac
Benzene	3.0	1.0	0.20	ug/L			09/18/20 00:09	4014

Eurofins TestAmerica, Edison

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection

Lab Sample ID: 460-218380-4

Matrix: Water

Job ID: 460-218380-1

Client Sample ID: H1MW-28S

Date Collected: 09/15/20 11:35 Date Received: 09/15/20 19:00

Analyte		unds by G	C/MS (Contin		Unit	D	Prepared	Analysis	00.5
Ethylbenzene	140	0.000	1.0	0.30	ug/L		Frepared	Analyzed	Dil Fac
Toluene	2.6		1.0	0.38	-			09/18/20 00:09	1
Xylenes, Total	14		2.0	0.65	~			09/18/20 00:09	3
Surrogate	%Recovery	Qualifier	Limits		17/		Prepared	Anatomat	-
1,2-Dichloroethane-d4 (Surr)	102		75-123				rrepared	Analyzed 09/18/20 00:09	Dil Fac
4-Bromafluorobenzene	105		76-120						1
Dibromofluoromethane (Surr)	107		77-124					09/18/20 00:09	1
Toluene-d8 (Surr)	98		80 - 120					09/18/20 00:09	7
Method: 8270D - Semivolat	tile Organic Co	mnounde	(CC/MC)					1000303000	
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Oll Fac
2-Methylnaphthalene	88		50	5.5	ug/L	_ =	09/17/20 09:57	09/18/20 07:17	5
Acenaphthene	33	J	50	5.4	ug/L		09/17/20 09:57	09/18/20 07:17	5
Acenaphthylene	50	U	50	4.1	ug/L				
The street of th	50		30	44.1			D9717720 D9-57	DD/18/9/107-17	120
A STATE OF THE STA		3		100			09/17/20 09:57	09/18/20 07:17	5
Anthracene Benzo[a]anthracene		99	50	3.2	ug/L		09/17/20 09:57	09/18/20 07:17	5
Anthracene Benzo[a]anthracene	3.3 5.0	T	50 5,0	3.2 3.0	ug/L ug/L		09/17/20 09:57 09/17/20 09:57	09/18/20 07:17 09/18/20 07:17	5
Anthracene Benzo[a]anthracene Benzo[a]pyrene	3.3 5.0	<b>J</b>	50 5,0 5.0	3.2 3.0 2.0	ug/L ug/L ug/L		09/17/20 09:57 09/17/20 09:57 09/17/20 09:57	09/18/20 07:17 09/18/20 07:17 09/18/20 07:17	5 5
Anthracene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene	3.3 5.0 5.0	u.	50 5,0	3.2 3.0 2.0 3.4	ug/L ug/L ug/L ug/L		09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57	09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17	5 5 5
Anthracene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[g.h,i]perylene	3.3 5.0 5.0 10	n n	50 5,0 5.0 10 50	3.2 3.0 2.0 3.4 7.1	ug/L ug/L ug/L ug/L ug/L		09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57	09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17	5 5 5 5
Anthracene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[g,h,i]perylene Benzo[k]fluoranthene	3.3 5.0 5.0 10 50	 u u u u	50 5.0 5.0	3,2 3,0 2,0 3,4 7,1 3,4	ug/L ug/L ug/L ug/L ug/L ug/L		09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57	09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17	5 5 5 5 5
Anthracene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[g,h,i]perylene Benzo[k]fluoranthene Chrysene	3.3 5.0 5.0 10 50 5.0	<b>1</b> U U U - U - U	50 5.0 5.0 10 50 5.0	3.2 3.0 2.0 3.4 7.1 3.4 4.5	ug/L ug/L ug/L ug/L ug/L ug/L		09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57	09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17	5 5 5 5 5 5 5
Anthracene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[g,h,i]perylene Benzo[k]fluoranthene Chrysene Dibenz(a,h)anthracene	3.3 5.0 5.0 10 5.0 10 5.0	<b>1</b> U U U U U	50 5.0 5.0 70 50 5.0	3,2 3,0 2,0 3,4 7,1 3,4 4,5 3,6	ug/L ug/L ug/L ug/L ug/L ug/L ug/L		09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57	09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17	5 5 5 5 5 5 5 5 5
Anthracene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[g,h,i]perylene Benzo[k]fluoranthene Chrysene Dibenz(a,h)anthracene	3.3 5.0 5.0 10 5.0 10 5.0	) 0 0 0 0	50 5.0 70 50 5.0 10 5.0	3.2 3.0 2.0 3.4 7.1 3.4 4.5 3.6 4.2	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57	09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17	5 5 5 5 5 5 5 5 5
Anthracene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[g,h,i]perylene Benzo[k]fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene	3.3 5.0 5.0 10 5.0 10 5.0 5.0	1 0 0 0 0 0 0	50 5,0 6.0 10 50 5.0 10 5.0 5.0	3.2 3.0 2.0 3.4 7.1 3.4 4.5 3.6 4.2 4.6	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57	09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17	5 5 5 5 5 5 5 5 5 5
Anthracene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[k]fluoranthene Benzo[k]fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluorene Indeno[1,2,3-cd]pyrene	3.3 5.0 5.0 10 5.0 10 5.0 5.0	1 0 0 0 1 0 1	50 5,0 6.0 10 50 5.0 10 5.0	3.2 3.0 2.0 3.4 7.1 3.4 4.5 3.6 4.2 4.6 4.7	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57	09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17	5 5 5 5 5 5 5 5 5 5
Anthracene	3.3 5.0 5.0 10 5.0 10 5.0 16 10	1 0 0 0 1 0 1	50 5.0 10 50 50 10 5.0 5.0 50	3.2 3.0 2.0 3.4 7.1 3.4 4.5 3.6 4.2 4.6 4.7 5.7	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57 09/17/20 09:57	09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17 09/18/20 07:17	5 5 5 5 5 5 5 5 5 5

Surrogate		%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl		89	42.127	09/17/20 09:57 09/	W. C. C. C.	5
Nitrobenzene-d5 (Surr)		89	46-137	09/17/20 09:57 09/		5
Terphenyl-d14 (Surr)	1140	104	39 . 150	09/17/20 09:57 09/	V 30 454 (SEA 123)	
	HI		336.7927	500 1 17 20 53.51 53	LOCKED CATAL	.5

Client Sample ID: H1MW-28I Date Collected: 09/15/20 10:10 Date Received: 09/15/20 19:00

Lab Sample ID: 460-218380-5 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L		1136070	09/18/20 22:48	2
Ethylbenzene	0.33	J	1.0	0.30	ua/L			09/18/20 22:48	
Toluene	1.0	Q	1.0	0.38	Ug/L			09/18/20 22:48	1
Xylenes, Total	2.0	u	2.0	0.65				09/18/20 22:48	Ť
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		75 - 123					09/18/20 22:48	1
4-Bromofluorobenzene	105		76 - 120					09/18/20 22 48	
Dibromofluoromethane (Surr)	105		77 - 124					09/18/20 22:48	1
Toluene-d8 (Surr)	98		80.120					09/18/20 22:48	

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection

Lab Sample ID: 460-218380-5

Matrix: Water

Job ID: 460-218380-1

### Client Sample ID: H1MW-28I

Date Collected: 09/15/20 10:10 Date Received: 09/15/20 19:00

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	1.1	ug/L	-	09/17/20 09:57	09/18/20 00:37	1
Acenaphthene	10	u	10	1.1	ug/L		09/17/20 09:57	09/18/20 00:37	1
Acenaphthylene	10	U	10	0.82	ug/L		09/17/20 09:57	09/18/20 00:37	1
Anthracene	10	U	10	0.63			09/17/20 09:57	09/18/20 00:37	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/17/20 09:57	09/18/20 00:37	
Benzo[a]pyrene	1.0	UF	1.0	0.41	ug/L		09/17/20 09:57	09/18/20 00:37	-
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/17/20 09:57	09/18/20 00:37	1
Benzo[g,h,i]perylene	10	UT_	10		ug/L		09/17/20 09:57	09/18/20 00:37	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/17/20 09:57	09/18/20 00:37	3
Chrysene	2.0	u	2.0	0.91	ug/L		09/17/20 09:57	09/18/20 00:37	1
Dibenz(a,h)anthracene	1.0	03	1.0	0.72	ug/L		09/17/20 09:57	09/18/20 00:37	4
Fluoranthene	10	U	10	0.84	ug/L		09/17/20 09:57	09/18/20 00:37	3
Fluorene	10	Ü.	10	0.91	ug/L		09/17/20 09:57	09/18/20 00:37	
Indeno[1,2,3-cd]pyrene	2.0	UT	2.0	0.94	ug/L		09/17/20 09:57	09/18/20 00:37	
Naphthalene	2.0	U	2.0	1.1	ug/L		09/17/20 09:57	09/18/20 00:37	- 1
Phenanthrene	10	U	10	0.58	ug/L		09/17/20 09:57	09/18/20 00:37	4
Pyrene	10	n II.	10	-	ug/L		09/17/20 09:57	09/18/20 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	100		42-127				09/17/20 09:57	09/18/20 00:37	1
Nitrobenzene-d5 (Surr)	99		46 - 137				09/17/20 09:57	09/18/20 00:37	
Terphenyl-d14 (Surr)	HE 131		39 - 150				09/17/20 09:57	09/18/20 00:37	4

Client Sample ID: H1MW-14I

Date Collected: 09/15/20 11:35 Date Received: 09/15/20 19:00

Toluene-d8 (Surr)

Lab Sample ID: 460-218380-6

Matrix: Water

Method: 8260C - Volatile O	rganic Compo	unds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dit Fac
Benzene	0.46	J	1,0	0.20	ug/L		14.35.00	09/18/20 00:59	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/18/20 00:59	+
Toluene	1.0	U	1.0		ug/L			09/18/20 00 59	- 4
Xylenes, Total	2.0	U	2.0		ug/L			09/18/20 00:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethann-d4 (Surr)	97		75 . 123					09/18/20 00:59	1
4-Bromofluorobenzene	109		76 - 120					09/18/20 00:59	
Dibromofluoromethane (Surr)	104		77-124					09/18/20 00:59	1
Dibromofluoramethane (Surr)	104		77-124					09/18/20 00:59	

80 - 120

Method: 8270D .	Semivolatile Organic Compounds (GC/MS)	
MIGUIOU, DETUD	Semiyoladie Ordanic Compounds (GC/WS)	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalane	10	U	10	1.1	ug/L	_	09/17/20 09:57	and the second s	1
Acenaphthene	2,6	J	10	1.1	ug/L		09/17/20 09:57		9
Acenaphthylene	3.4	J	10	0.82	ug/L		09/17/20 09:57	0.00	11
Anthracene	10	U	10	0.63			09/17/20 09:57	And the same of the same	4
Benzo[a]anthracene	1.0	U.	1.0	0.59	ug/L		09/17/20 09:57	09/18/20 06:35	+
Berizo[a]pyrene	7.0	g t	1.0	0.41	ug/L		09/17/20 09:57	09/18/20 06:35	Y
Benzo[b]fluoranthene	2.0	U	20	0.68	1.40		09/17/20 09:57	09/18/20 06:35	4
Benzo[g,h,i]perylene	10	UJ	10		ug/L		09/17/20 09:57	09/18/20 06:35	9
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/17/20 09:57	09/18/20 06:35	3

Eurofins TestAmerica, Edison

09/18/20 00:59

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection

Lab Sample ID: 460-218380-6

Matrix: Water

Job ID: 460-218380-1

Client Sample ID: H1MW-14I Date Collected: 09/15/20 11:35

Date Received: 09/15/20 19:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	2.0	u	2.0	0.91	ug/L	- 2	09/17/20 09:57		Dillead
Dibenz(a,h)anthracene	1.0	UT.	1.0	0.72			The state of the s	09/18/20 06:35	7
Fluoranthene	10	U	10	0.84	0.00		09/17/20 09:57	09/18/20 06:35	1
Fluorene	1.0						09/17/20 09:57	09/18/20 06:35	1
Ingeno[1,2,3-cd]pyrene	(200)		10	0.91			09/17/20 09:57	09/18/20 06:35	1
		UT	2.0	0.94	ug/L		09/17/20 09:57	09/18/20 06:35	1
Naphthalene	2.0	U	2.0	1.1	ug/L		09/17/20 09:57	09/18/20 06 35	
Phenanthrene	1.1	7	10	0.58			09/17/20 09:57	09/18/20 06:35	
Pyrene	10	U.J.	10	20.00	ug/L		09/17/20 09:57	09/18/20 06:35	1
Surrogate.	%Recovery	Qualifier	Limits				Prepared	-1000	6
2-Fluorobiphenyl	101		42 - 127					Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	104		46-137				09/17/20 09:57	09/18/20 06:35	7
Terphenyl-d14 (Surr)	. 236		A01				09/17/20 09:57	09/18/20 06:35	1
is proving a 14 (Suriy	132		39 - 150				09/17/20 09:57	09/18/20 06:35	

Client Sample ID: H1MW-14D

Date Collected: 09/15/20 10:40 Date Received: 09/15/20 19:00 Lab Sample ID: 460-218380-7

Matrix: Water

Method: 8260C - Volatile O	rganic Compo	unds by G	C/MS						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Anchoral	MILE.
Benzene	1.0	U	1,0		ug/L		ricpared	Analyzed	Dil Fac
Ethylbenzene	1.0	u	1.0		ug/L			09/18/20 01:24	1
Toluene	1.0	7.	1.0		100			09/18/20 01/24	1
Xylenes, Total		150		0.38	100			09/18/20 01:24	. 1
ryiosios, sotal	2.0	U	2.0	0.65	ug/L			09/18/20 01:24	- 9
Surrogate	%Recovery	Qualifier	Limits				Prepared	4.45.4	400
1,2-Dichloroethane-d4 (Surr)	97		75_123				Frepareo	Analyzed	Dil Fac
4-Bromofluorobenzene	106		76-120					09/18/20 01:24	1
Dibromofluoromethane (Surr)	105							09/18/20 01:24	7
Toluene-d8 (Sum)	10.7.7		77-124					09/18/20 01:24	
roidene-uo (Bull)	97		80 - 120					09/18/20 01:24	4
Method: 8270D - Semivolat	ile Organic Co	mpounds	(GC/MS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DO For
2-Methylnaphthalene	10	U	10	1.1	ug/L	_	09/17/20 09:57	and the second s	Dil Fac
Anananhillania	0.2		17	3114	man r		09/1/1/0 09/9/	09/18/20 01 19	T

Method: 8270D - Semivola	tile Organic Co	mpounds (C	C/MS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	1.1	ug/L	-	09/17/20 09:57	The second secon	on rac
Acenaphthene	10	U	10	1.1	ug/L		09/17/20 09:57	10.11	
Acenaphthylene	10	U	10	0.82			09/17/20 09:57	Service and the service of the servi	
Anthracene	10	· u	10	0.63			09/17/20 09:57	09/18/20 01:19	-
Benzo[a]anthracene	7.0	U	1.0	0.59			09/17/20 09:57	09/18/20 01:19	1
Benzo[a]pyrene	1.0	U.V.	1.0	0.41	ug/L		09/17/20 09:57		- 3
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/17/20 09:57	09/18/20 01:19	
Benzo(g,h,l)perylene	10		10	1.4	ug/L		09/17/20 09:57	09/18/20 01:19	3
Benzo[k]fluoranthene	1.0	1000	1.0	0.67	-bg/L		09/17/20 09:57	09/18/20 01:19	3
Chrysene	2.0	U	2.0	0.91	ug/L			09/18/20 01:19	- 3
Dibenz(a,h)anthracene	The state of the s		1.0	0.72	ua/L		09/17/20 09:57	09/18/20 01-19	
Fluoranthène	10		10.	0.84	ug/L		09/17/20 09:57	09/18/20 01:19	1
Fluorena	10		10	0.91			09/17/20 09:57	09/18/20 01:19	1
Indeno(1,2,3-cd)pyrene		UT	20	7.75	ug/L		09/17/20 09:57	09/18/20 01:19	1
Naphthalene	2.0			0.94	ug/L		09/17/20 09:57	09/18/20 01:19	. 1
Phenanthrene			2,0	1.1	ug/L		09/17/20 09:57	09/18/20 01:19	1
Pyrene	10		10		ug/L		09/17/20 09:67	09/18/20 01 19	1
Visition	10	UT -	10	1.6	ug/L		09/17/20 09:57	09/18/20 01:19	1.1

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection

Job ID: 460-218380-1

Client Sample ID: H1MW-14D

Date Collected: 09/15/20 10:40 Date Received: 09/15/20 19:00 Lab Sample ID: 460-218380-7

Matrix: Water

Surrogate	%Recovery Qualifier	Limits		4.47.5	200
2-Fluorobiphenyl	The state of the s		Prepared	Analyzed	Dil Fac
The state of the s	103	42 - 127	09/17/20 09:57	09/18/20 01-19	4
Nitrobenzene-d5 (Surr)	102	46 - 137	4.37		
Terphenyl-d14 (Surr)	5.750		09/17/20 09:57	09/18/20 01:19	1
respirence 14 (Sair)	139	39 - 150	09/17/20 09:57	09/18/20 01:19	1

# TestAmerica New York City

Chain of Custody Record

	11101-2425 fax
Suite 1141	Long Island City, NY 11101 phone 347,507,0579 fax

TestAmerica New York City 47-32 32nd Place Suite 1141 Conclesions City any 11101-2206				5	ain	of Cus	Chain of Custody Record	cord		TestAmerica The Livabers in thronton mental Testing
phone 347.507.0579 fax	Reg	Regulatory Program: D bw	gram: 1	- 1	CI NPDES	D ROSA	Cl Other:		MA	TestAmerica Laboratories, Inc.
Client Contact	Project M	Project Manager: Chris	is Morris			Site Conta	Site Contact: Mike Quinlan		Date: U 9 6	COC No:
GEI Consultants Inc. P.C.	Tel/Fax: (	Tel/Fax: (831) 759-2967	29			ab Conta	Lab Contact: Melissa Hass	8	Carrier: Test Apperica	1 of 1 COCs
Huntington Station, NY 11746	Analys  CI CALENDAR DAYS	Analysis Turnaround Time	unaround O WO	Pround Time   WORKING DAYS	T		0042		y	Sampler. For Lab Use Only:
(631) 760 - 9300 Phene (631) 760 - 9301 FAX Project Name: National Grid Hempstead Intersection Site: Downstate Former MGP Site P O # 1905774,15.3	, a o o o	E .	2 weeks 3 week 2 days 2 days 3 day	P	1		8 ənəledildeniyi 91			Welk-in Client: Lab Sampling: Job / SDG No. 3
Sample Identification	Sample	Sample	Sample Type (C-Comp. G-Grab)	Matrix	g of Cont.	Perform MS	Sulfate DS			Sample Specific Notes
13091520	915/2	1	0	W9	2	11				
HimM-275		615	-	-	W	X	×			10
ILCZ - MWIH		000			S	×	×			21
B HIMM- 285		1135			S	×	×	+	7	16
182 - WWH 581		200	-		V	×	×	Q'E	The same	2
IHI - MWIH		1135			W	×	~	'A	icha,	9-
CHI - MWIH 565	7	1040	7	7	2	Ŕ				p p
					T	1				
				I	T	F	ļ			
						Ė			480-21838n	
										Clain of Custody
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	03; 5=NaOH; 6	- Other		1	8					
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Comments Section if the lab is to dispose of the sample.	Please List any EPA Waste Cod	PA Waste (	Codes for t	es for the sample in the	in the	Sample	Disposal ( A f	se may be as:	sessed if samples are	Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)
☐ Man-Nazard ☐ Flammatte ☐ Sun Imitant	□ Polson 8		C Unknown	WD		□ Reb	D Rebm to Cleat	El Disposal by Lab	by Lab	e for Months.
Special instructions/QC Requirements & Comments:	0	TA	C	Repor	15	1				
Custody Seals Intack, C ves C No	Custody Seal No.	al No.:				1	CoolerTemp	. Cc): Obs'd.	Corrd:	Them ID No.: 1
Kelinquished by:	Company: GEI Consultants Inc. P.C.	El Consult	100	Date/Time:	5	Received by	CO Mar		Compage	Date Time:
Refinquished by:	Company		-	Date/Time	1	Received by:	, kq j		Company	C Date Time:
Relinquished by:	Company		0	Date/Time.	0	Received	Received In Laboratory by	by:	Company Car	Date/Tune: /20 19:00
	(	#							Form No.	Form No. CA.C.WI-002, Rev. 4.11, dated 1/24/2017

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3 2020

Client Sample ID: TB091620

Date Collected: 09/16/20 00:00 Date Received: 09/16/20 18:30

Lab Sample ID: 460-218634-1

Matrix: Water

Job ID: 460-218634-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			09/21/20 11:23	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/21/20 11:23	1
Toluene	1.0	u	1.0	0.38	tig/L			09/21/20 11:23	5
Xylenes, Total	2.0	u	2.0	0.65	ug/L			09/21/20 11:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	DII Fac
1,2-Dichloroethane-d4 (Surr)	94	-	75 - 123				-	09/21/20 11:23	1
4-Bromofluorobenzene	94		76 - 120					09/21/20 11:23	1
Dibromofluoromethane (Surr)	101		77 - 124					09/21/20 11:23	7
Toluene-d8 (Surr)	- 87		80 - 120					09/21/20 11:23	7

Client Sample ID: H1MW-05D

Date Collected: 09/16/20 06:25

Date Received: 09/16/20 18:30

2-Fluorobiphenyl

Nitrobenzene-d5 (Surr)

Lab Sample ID: 460-218634-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			09/21/20 11:47	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/21/20 11:47	1
Toluene	6.5		1.0	0.38	ug/L			09/21/20 11:47	1
Xylenes, Total	94		2.0	0.65	ug/L			09/21/20 11:47	7
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		75-123					09/21/20 11:47	1
4-Bramofluarobenzene	95		76 - 120					09/21/20 11:47	1
Dibromofluoromethane (Surr)	96		77-124					09/21/20 11:47	
Toluene-d8 (Sum)	92		80 - 120					09/21/20 11:47	7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	52		50	5.5	ug/L		09/20/20 08:40	09/22/20 02:25	5
Acenaphthene	50	U	50	5,4	ug/L		09/20/20 08:40	09/22/20 02:25	5
Acenaphthylene	23	J	50	4.1	ug/L		09/20/20 08:40	09/22/20 02:25	.5
Anthracene	50	U	50	3.2	ug/L		09/20/20 08:40	09/22/20 02:25	5
Senzo[a]anthracene	5.0	U	5.0	3.0	ug/L		09/20/20 08:40	09/22/20 02:25	5
Benzo[a]pyrene	5:0	U	5.0	2.0	ug/L		09/20/20 08:40	09/22/20 02:25	5
Benzo[b]fluoranthene	10	UIT	10	3.4	ug/L		09/20/20 08:40	09/22/20 02:25	5
Benzo(g,h,l)perylene	50	U	50	7.4	ug/L		09/20/20 08:40	09/22/20 02:25	5
Benzo(k)fluoranthene	5.0	U	5.0	3.4	ug/L		09/20/20 08:40	09/22/20 02:25	5
Chrysene	10	U	10	4.5	ug/L		09/20/20 08:40	09/22/20 02:25	5
Dibenz(a,h)anthracene	5.0	U	5.0	3.6	ug/L		09/20/20 08:40	09/22/20 02:25	5
Fluoranihene	50	U	50	4.2	ug/L		09/20/20 08:40	09/22/20 02:25	5
Fluorene	50	U	50	4.6			09/20/20 08:40	09/22/20 02:25	5
Indenal1,2,3-cdlpyrene	10	U	10	4.7	ug/L		09/20/20 08:40	09/22/20 02:25	5
Naphthalene	590		10	5.7	ug/L		09/20/20 08:40	09/22/20 02:25	5
Phenanthrene	50	U	50	2.9	ug/L		09/20/20 08:40	09/22/20 02:25	5
Pyrene	50	u	50	8,2	ug/L		09/20/20 08:40	09/22/20 02:25	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Eurofins TestAmerica, Edison

09/20/20 08:40 09/22/20 02:25

09/20/20 08:40 09/22/20 02:25

42-127

46-137

108

104

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3 2020

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: 460-218634-2

Matrix: Water

Job ID: 460-218634-1

Client Sample ID: H1MW-05D

Date Collected: 09/16/20 06:25 Date Received: 09/16/20 18:30

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

Result Qualifier

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	139		39 - 150	09/20/20 08:40	09/22/20 02:25	5

Client Sample ID: H1MW-05I

Date Collected: 09/16/20 07:15 Date Received: 09/16/20 18:30

Analyte

Lab Sample ID: 460-218634-3

Analyzed

Prepared

Matrix: Water

Dil Fac

Benzene	1.0	U	1,0	0.20	ug/L			09/21/20 12:11	1
Ethylbenzene	1.0	U.	1.0	0.30	ug/L			09/21/20 12:11	1.
Toluene	1.0		1.0	0.38	ug/L			09/21/20 12:11	1
Xylenes, Total	23		2.0	0.65	ug/L			09/21/20 12:11	I.
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		75 - 123					09/21/20 12:11	1
4-Bramafluorobenzene	115		76 - 120					09/21/20 12:11	7
Dibromofluoromethane (Surr)	94		77-124					09/21/20 12:11	7
Toluene-d8 (Surr)	89		80 - 120					09/21/20 12:11	1
Method: 8270D - Semivola	tile Organic Co	mpounds	(GC/MS)						
Analyte	Result		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2.Methylnaphthalane	33		20	2.2	ug/L		09/20/20 08:40	09/22/20 02:46	2

RL

MDL Unit

Method: 8270D - Semivol Analyte	Result		RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
2-Methylnaphthalene	33		20	2.2	ug/L		09/20/20 08:40	09/22/20 02:46	2
Acenaphthene	5.8	J	20	2.2	ug/L		09/20/20 08:40	09/22/20 02:46	2
Acenaphthylene	78		20	1.6	ug/L		09/20/20 08:40	09/22/20 02:46	2
Anthracene	20	U	20	1.3	ug/L		09/20/20 08:40	09/22/20 02:46	2
Benzojajanthracene	2.0	U	2,0	1,2	ug/L		09/20/20 08:40	09/22/20 02:46	2
Benzo[a]pyrene	2.0	U	2.0	0.81	ug/L		09/20/20 08:40	09/22/20 02:46	2
Benzo[b]fluoranthene	4.0		4.0	1:4	ug/L		09/20/20 08:40	09/22/20 02:46	5
Benzo[g,h,i]perylene	20		20	2.9	ug/L		09/20/20 08:40	09/22/20 02:46	2
Benzo(k)fluoranthene	2.0	O.	2.0	1.3	ug/L		09/20/20 08:40	09/22/20 02:46	2
Chrysene	4.0	Ü	4.0	1.8	ug/L		09/20/20 08:40	09/22/20 02:46	2
Dibenz(a,h)anthracene	2.0	U	2.0	1.4	ug/L		09/20/20 08:40	09/22/20 02:46	2:
Fluoranthene	20	U	20	1.7	ug/L		09/20/20 08:40	09/22/20 02:46	2
Fluorene	15	J	20	1.8	ug/L		09/20/20 08:40	09/22/20 02:46	2
Indeno[1,2,3-cd]pyrene	4.0	U	4.0	1.9	ug/L		09/20/20 08:40	09/22/20 02:46	2
Naphthalene	230		4.0	2.3	ug/L		09/20/20 08:40	09/22/20 02:46	2
Phenanthrene	8.1	1000	20	7.2	ug/L		09/20/20 08:40	09/22/20 02:46	2
Pyrene	.20	1 5 1	20	3,3			09/20/20 08:40	09/22/20 02:46	2
	Ver-	O. Here	A Countries				Prepared	Analyzed	Dil Fac

Pyrane		.20	U	4.0	man william	44/20/20 45/19	44444	100
Surrogate		%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
2-Fluorobiphanyl		96		42-127		09/20/20 08:40	09/22/20 02:46	2
Nitrobenzene-d5 (Surr)		96		46 - 137		09/20/20 08:40	09/22/20 02:46	2
Terphenyl-d14 (Surr)	HE	119		39 - 150		09/20/20 08:40	09/22/20 02:46	2
Design C. C. C. C. C.	134						The state of the state of	-

Client Sample ID: H1MW-15I

Date Collected: 09/16/20 08:20 Date Received: 09/16/20 18:30 Lab Sample ID: 460-218634-4

Matrix: Water

Method: 8260C - Vol	atile Organic Compo	unds by GC/	MS					4	640-0
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			09/21/20 12:35	.1

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3 2020

Lab Sample ID: 460-218634-4

Matrix: Water

Job ID: 460-218634-1

Client Sample ID: H1MW-15I

Date Collected: 09/16/20 08:20 Date Received: 09/16/20 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Ethylbenzene 1.0 U 1.0 0.30 ug/L 09/21/20 12:35 Toluene 1.0 U 1.0 0.38 ug/L 09/21/20 12:35 Xylenes, Total 20 U 2.0 0.65 ug/L 09/21/20 12:35 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 81 75-123 09/21/20 12:35 4-Bromofluorobenzene 102 76 120 09/21/20 12:35 Dibromofluoromethane (Surr). 87 77-124 09/21/20 12:35 Taluene-d8 (Surr) 88 80-120 09/21/20 12:35 Method: 8270D - Semivolatile Organic Compounds (GC/MS) Analyte Result Qualifier MDL Unit Prepared Dil Fac Analyzed 2-Methylnaphthalene 10 U 10 ug/L 1.1 09/20/20 08:40 09/20/20 21-52 Acenaphthene 10 U. 10 1.1 ug/L 09/20/20 08:40 09/20/20 21:52 Acenaphthylene 1.1 J 10 0.82 ug/L 09/20/20 08:40 09/20/20 21:52 Anthracene 10 U 10 0.63 ug/L 09/20/20 08:40 09/20/20 21:52 Benzola anthracene 1.0 1.0 U 0.59 ug/L 09/20/20 08:40 09/20/20 21:52 Benzo[a]pyrene 1.0 11 1.0 0.41 ug/L 09/20/20 08:40 09/20/20 21:52 Benzo[b]fluoranthene 20 U 20 ug/L 0.68 09/20/20 08:40 09/20/20 21:52 Benzolg,h,l]perylene 10 U 10 1.4 ug/L 09/20/20 08:40 09/20/20 21:52 Benzo(k)fluoranthene 1.0 U 1.0 0.67 ug/L 09/20/20 08:40 09/20/20 21:52 Chrysene 2.0 U 2.0 0.91 ug/L 09/20/20 21:52 09/20/20 08:40 Dibenz(a,h)anthracene 1.0 U 1.0 0.72 ug/L 09/20/20 08:40 09/20/20 21:52 Fluoranthene 10 U 10 0.84 09/20/20 08:40 09/20/20 21:52 ug/L 1 Fluorene 10 10 10 0.91 ug/L 09/20/20 08:40 09/20/20 21:52 Indenoj 1,2,3-cd]pyrene 2.0 U 2.0 0.94 ug/L 09/20/20 08:40 09/20/20 21:52 1 Naphthalene 2.0 U 2.0 1.1 ug/L 09/20/20 08:40 09/20/20 21:52 Phenanthrene 10 U 10 0.58 ug/L 09/20/20 08:40 09/20/20 21:52 Pyrene 10 U 10 1.6 ug/L 09/20/20 08:40 09/20/20 21:52 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 2-Fluorobiphenyl 94 42-127 09/20/20 08:40 09/20/20 21:52 7 Nitrobenzene-d5 (Sun). 46 - 137 104 09/20/20 08:40 09/20/20 21:52 Terphanyl-d14 (Surr) 102 39 - 150 09/20/20 08:40 09/20/20 21:52

Client Sample ID: H1MW-15D

Date Collected: 09/16/20 09:05 Date Received: 09/16/20 18:30 Lab Sample ID: 460-218634-5

Matrix: Water

Method: 8260C - Volatile	Organic Compounds by GC/MS
Accellen	En la maria de la maria della maria della maria della

Lineal to	Kesun	eguannie)	NL	MIDIL	MILL	M	Prepared	Analyzed	Ull Fac
Benzene	1.0	U	1.0	0.20	ug/L			09/21/20 12:59	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/21/20 12:59	4
Toluene	1:0	U	1.0	0.38	ug/L			09/21/20 12:59	
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/21/20 12:59	*
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		75-123					09/21/20 12:59	1
4-Bromofluorobenzene	95		76 - 120					09/21/20 12:59	4
Dibromofluoromethane (Surr)	88		77-124					09/21/20 12:59	1
Toluene-d8 (Surr)	67		60 400					Allegan Warden with a service	100
Constitution of Control	92		80.120					09/21/20 12:59	-7

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3 2020

Lab Sample ID: 460-218634-5

Matrix: Water

Job ID: 460-218634-1

### Client Sample ID: H1MW-15D

Date Collected: 09/16/20 09:05 Date Received: 09/16/20 18:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	1.1	ug/L		09/20/20 08:40	09/20/20 22:13	Direa
Acenaphthene	10	U	10	1.1	ug/L		09/20/20 08:40		
Acenaphthylene	10	U	10	0.82	2.8		09/20/20 08:40	Committee of the Commit	
Anthracene	10	U	10	D.63	ug/L		09/20/20 08:40		
Benzolajanthracene	1.0	U	1.0	0.59	ug/L		09/20/20 08:40	09/20/20 22:13	- 3
Benzo[a]pyrene	0.1	U	1.0	0.41	ug/L		09/20/20 08:40		- 2
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/20/20 08:40	09/20/20 22:13	3
Benzo[g.h.i]perylene	10		10		ug/L		09/20/20 08:40	09/20/20 22:13	12
Benzo[k]fluoranthene	1.0	U	1.0		ug/L		09/20/20 08:40	09/20/20 22:13	7
Chrysene	2.0	U	2.0	0.91	ug/L		09/20/20 08:40	09/20/20 22:13	- 93
Dibenz(a,h)anthracene	1.0	U	1.0	33.00	ug/L		09/20/20 08:40		- 2
Fluoranthene	10	Ü	10	0.84				09/20/20 22:13	- 3
Fluorene	10	Ü	10	100	ug/L		09/20/20 08:40	09/20/20 22 13	- 1
Indeno[1,2,3-cd]pyrene	2.0		2.0	0.94			09/20/20 08:40	09/20/20 22:13	1
Naphthalene	2.0		2.0	1.1			09/20/20 08:40	09/20/20 22:13	1
Phenanthrene	10	ü			ug/L		09/20/20 08:40	09/20/20 22:13	1
Pyrene	10		10		ug/L		09/20/20 08:40	09/20/20 22:13	- 1
7,512.0	10.	D.	10	1.6	ug/L		09/20/20 08:40	09/20/20 22:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Annhouse	645.
2-Fluorobiphenyl	104	100	42 - 127				09/20/20 08:40	Analyzed	Dil Fac
Nifrobenzene-d5 (Surr)	126		46 - 137				A CONTRACTOR OF THE PARTY OF TH	09/20/20 22:13	7
Terphenyl-d14 (Surr)	114		39 - 150				09/20/20 08:40 09/20/20 08:40	09/20/20 22:13	7.

Client Sample ID: H1MW-23

Mathed: 9260C Valatile Council Co

Date Collected: 09/16/20 10:20 Date Received: 09/16/20 18:30

Taluene-d8 (Surr)

Lab Sample ID: 460-218634-6

Matrix: Water

Wethod: 8260C - Volatile O	I. Continue of the state of the		C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzono	1.0	U	1.0	0.20	ug/L	- ~		09/21/20 13:23	7
Ethylbenzene	1.0	U	1.0	0.30				09/21/20 13:23	4
Toluene	1.0	U	1.0	0.38				09/21/20 13:23	
Xylenes, Total	2.0	u	2.0	0.65				09/21/20 13:23	1
Surrogate	%Recovery	Qualitier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichleroethane-d4 (Surr)	88	-	75 - 123				Troparau	09/21/20 13:23	DII Pac
4-Bromofluorobenzene	100		76-120					and the same of the same of	4
Dibromofluoromethene (Surr)	10007							09/21/20 13:23	7
Distribution of the control of the control	97		77 - 124					(10/24/20 12:00	100

80-120

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	1.1	ug/L		and the second second second	09/20/20 22:34	3
Acenaphthene	10	U	10	1.1	ug/L		A STATE OF THE STA	09/20/20 22:34	11
Acenaphthylene	1.0	U	10	0.82	ug/L			09/20/20 22:34	-
Anthracene	10	U	10		ug/L			09/20/20 22:34	- 4
Benzo(a)anthracene	1.0	U	1.0		ug/L			09/20/20 22:34	
Benzo[a]pyrene	1.0	U	7.0	0.41	ug/L				
Benzo[b]fluoranthene	2.0	U	2.0		ug/L		The second second	09/20/20 22:34	
Benzo[g,h,i]perylene	10	u	10		ug/L		09/20/20 08:40	and the second s	
Benzo[k]fluoranthene	1,0	Q	3.0	0,67				09/20/20 22:34	1

Eurofins TestAmerica, Edison

09/21/20 13:23

09/21/20 13:23

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3 2020

Method: 8270D - Semivolatile Organic Compounds (CCIMS) (Cartino

Lab Sample ID: 460-218634-6

Matrix: Water

Job ID: 460-218634-1

Client Sample ID: H1MW-23

Date Collected: 09/16/20 10:20 Date Received: 09/16/20 18:30

Analyte	Volatile			(GC/M2) (CO	ntinued	1				
Analyte		Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene		20	U	2.0	0.91	ug/L	-	09/20/20 08:40	09/20/20 22:34	4
Dibenz(a,h)anthracene		1.0	U	1:0	0.72	ug/L		09/20/20 08:40	The state of the s	4
Fluoranthene		1.0	U	10	0.84			09/20/20 08:40		- 4
Fluorene		10	U	10	0.91			09/20/20 08:40		11
Indeno[1,2,3-cd]pyrene		2.0	U	2.0	0.94			09/20/20 08:40		- 3
Naphthalene		2.0	U	2.0	1.7	ug/L		09/20/20 08:40	09/20/20 22:34	- 2
Phenanthrene		30.	U	10	0.58			09/20/20 08:40	09/20/20 22:34	
Pyrene		10	U	10		ug/L				- 4
Surrogate		%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl		91	-	42 - 127				09/20/20 08:40	09/20/20 22:34	Direc
Nitrobenzene-d5 (Surr)		104		46 - 137				09/20/20 08:40		1
Terphenyl-d14 (Surr)	Andre	105		39 - 150					09/20/20 22:34	7
a Manager A. and C. Manager V.	1.06 (19)	1.00		00 - 100				09/20/20 0R-40	00/20/20 22/24	-4

Client Sample ID: H1MW-22

Date Collected: 09/16/20 11:20

Date Received: 09/16/20 18:30

Lab Sample ID: 460-218634-7

Matrix: Water

Method: 8260C - Volatile C	rganic Compo	unds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit:	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	T.0	0.20	ug/L		Ting Post Ten	09/21/20 13:47	4
Ethylbenzene	1,0	U	1.0	0.30	ug/L			09/21/20 13:47	4
Toluene	1.0	U	1.0		ug/L			09/21/20 13:47	1.6
Xylenes, Total	2.0	U	2.0	0.65	1.4			09/21/20 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 123				roparau	nnaryzeu	Ull Fac

Toluene-d8 (Surr)	89		80 - 120					00/21/20 12:47	
	-		200150					09/21/20 13:47	
Method: 8270D - Semivola	atile Organic Co	mpounds (	GC/MS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
2-Mothylnaphthalene	10	U	10	4.4	well			como on no ne	Dill I is

2-Weblymaphinialene	10	U	10	1/1	ug/L	09/20/20 08:40	09/20/20 22:55	15
Acenaphthene	10	U	10	1.1	ug/L	09/20/20 08:40		4
Acenaphthylene	10	U	10	0.82	ug/L	09/20/20 08:40	F-1-45 (1) (1) (1) (1)	1
Anthracene	10	U			ug/L	09/20/20 08:40	DOMESTICAL PROPERTY.	4
Benzo a anthracene	1.0	U		0.59		09/20/20 08:40	-manage against	
Benzo[a]pyrene	1.0	U		0.41	100	09/20/20 08:40	The State of	-
Benzo[b]fluoranthene	2.0	U		0.68	-	09/20/20 08:40	THE PERSON NAMED IN	-
Benzo(g,h.i)perylene	10	U	10	14	1,0	09/20/20 08:40	AND THE PARTIES.	-
Benzo[k]fluoranthens	1,0	U	6.0	E - 100		09/20/20 08:40		3
Chrysene	2.0		6.02		ug/L	09/20/20 08:40		7
Dibenz(a,h)anthracene	1,0			4400			1000000	4
Fluoranthene	10				ug/L	09/20/20 08 40	09/20/20 22:55	7
Fluorene					ug/L	09/20/20 08:40	09/20/20 22:55	1
	10		10	0.91	ug/L	09/20/20 08:40	09/20/20 22:55	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L	09/20/20 08:40	09/20/20 22:55	1
Naphthalene	2.0	U	2.0	1.1	ug/L	09/20/20 08 40	09/20/20 22:55	
Phenanthrene	10	U	10	0.58	UQ/L	09/20/20 08:40	09/20/20 22:55	
Pyrene	10	U	10		ug/t.	09/20/20 08 40		- 1
							The second of th	

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3 2020

Lab Sample ID: 460-218634-7

Matrix: Water

Job ID: 460-218634-1

Client Sample ID: H1MW-22 Date Collected: 09/16/20 11:20 Date Received: 09/16/20 18:30

Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	96		42 - 127
Nitrobenzene-d5 (Surr)	101		46-137
Terphenyl-d14 (Surr)	103		39 - 150

Prepared	Analyzed	Dil Fac
09/20/20 08:40	09/20/20 22:55	7
09/20/20 08:40	09/20/20 22:55	7
09/20/20 08:40	09/20/20 22:55	. 7

Client Sample ID: H1MW-12S

Date Collected: 09/16/20 12:25 Date Received: 09/16/20 18:30

Pyrene

Lab Sample ID: 460-218634-8

Date Received: 09/16/20 18:	:30							Matrix	: Water
Method: 8260C - Volatile C	rganic Compo	unds by G	C/MS						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20		- 6	· · · · · · ·	09/21/20 14:11	Direc
Ethylbenzene	1.0	U	1.0	0.30				09/21/20 14:11	
Toluene	1.0	U	1.0	0.38	-			09/21/20 14:11	- 3
Xylenes, Total	2.0	U	2.0	0.65	1,96			09/21/20 14:11	1
Surrogate	%Recovery	Qualifler	Limits				Prepared	Analyzed	DII Fac
1.2-Dichloroethane-d4 (Surr)	104		75-123					09/21/20 14:11	DITTE
4-Bromofluorobenzene	98		76-120					09/21/20 14:11	
Dibromofluoromethane (Surr)	97		77-124					09/21/20 14-11	- 4
Toluene-d8 (Surr)	87		80 - 120					09/21/20 14:11	1
Method: 8270D - Semivola	tile Organic Co	mpounds	(GC/MS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	1.1	ug/L	_ 5	09/20/20 08:40	The state of the s	DITTAC
Acenaphthene	10	U	10	1.1	ug/L		09/20/20 08:40	Of any provided a description	
Acenaphthylene	10	U	10	0.82	ug/L		09/20/20 08:40	F - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
Anthracene	10	U	10	0.63	ug/L		09/20/20 08:40	A SHOPPING BUILDS	7
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/20/20 08:40	A STATE OF THE PARTY OF THE PAR	-
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/20/20 08:40		4
Senzo[b]fluoranthene	2:0	u	2.0	0.68	ug/L		09/20/20 08:40	09/20/20 23:16	
Benzo[g,h,i]perylene	10	U	10	1.4	ug/L		09/20/20 08:40	09/20/20 23:16	4
Benzo[k]fluoranthene	1.0	Ų.	1,0	0.67	ug/L		09/20/20 08:40	09/20/20 23:16	×
Chrysene	2.0	U	2.0	0.91	ug/L		09/20/20 08:40	09/20/20 23:16	4
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/20/20 08:40	09/20/20 23:16	
Fluoranthene	10	U	10.	0.84	ug/L		09/20/20 08:40	09/20/20 23:16	3
Fluorene	10	U	10	0.91	ug/L		09/20/20 08:40	09/20/20 23:16	- 3
indeno[1,2,3-cd]pyrene	2.0	U	2.0	777	ug/L		09/20/20 08:40	09/20/20 23:16	-4
Naphthalene	2.0	U	2.0	1.1	ug/L		09/20/20 08:40	09/20/20 23:16	- 4
Phenanthrene	10	U	10:	0.58	-		09/20/20 08:40	09/20/20 23:16	- 3
D. Hann	240		80		-		**************************************	93/80/20 23,10	3

Surrogate	%Recovery Qualifier	Limits	Prepared Analyzed	DII Fac
2-Fluorobiphenyl	95	42-127	09/20/20 08:40 09/20/20 23:	
Nitrobenzene-d5 (Surr)	105	46 - 137	09/20/20 08:40 09/20/20 23:	9
Terphenyl-d14 (Surr)	101	39 - 150	09/20/20 08:40 09/20/20 23:	

1.6 ug/L

10 U

09/20/20 08:40 09/20/20 23:16

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3 2020

Lab Sample ID: 460-218634-9

Matrix: Water

Job ID: 460-218634-1

Client Sample ID: H1MW-26I

Date Collected: 09/16/20 07:20 Date Received: 09/16/20 18:30

Method: 8260C - Volatile Organic	Compo	unds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	u	1.0	0.20	ug/L			09/21/20 14:35	1
Ethylbenzene	1.0	U	1.0	0.30				09/21/20 14:35	1
Toluene	1.0	U	1.0	0.38	ug/L			09/21/20 14:35	1
Xylenes, Total	2.0	U	2.0	0.65	-			09/21/20 14:35	1
Surrogate	Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		75-123				Терилев	09/21/20 14:35	Dirac
4-Bromofluorobenzene	7.11		76-120					09/21/20 14:35	
Dibromofluoromethane (Surr)	103		77 - 124					09/21/20 14:35	- 3
Toluene-d8 (Sun)	82		80 - 120					09/21/20 14:35	1
Method: 8270D - Semivolatile Or	ganic Co	mpounds	(GC/MS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DD 5
2-Methylnaphthalene	10	Ü	10	1.1	ug/L	-	09/20/20 08:40	09/20/20 23:36	Dil Fac
Acenaphthene	10	U	10	5.1	ug/L		09/20/20 08:40	09/20/20 23:36	7
Acenaphthylene	10	Ü	10	0.82	ug/L		09/20/20 08:40	09/20/20 23:36	7
Anthracene	10	U	10	0.63	ug/L		09/20/20 08:40	09/20/20 23:36	
Benzolalanthracene	1.0	U	1.0	0.59	ug/L		09/20/20 08:40	09/20/20 23:36	*
Benzo(a)pyrene	1.0	U	1.0	0.41	ug/L		09/20/20 08:40	09/20/20 23:36	4
Benzo(b)fluoranthena	2.0	ú	2.0	0.68	ug/L		09/20/20 08:40	09/20/20 23:36	Ť.
Benzo(g.h.i]perylene	10	U	10	1.4	ug/L		09/20/20 08:40	09/20/20 23:36	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/20/20 08:40	09/20/20 23:36	40
Chrysene	2.0	U	2.0	0.91	ug/L		09/20/20 08:40	09/20/20 23:36	4
Dibenz(a.h)anthracene	1.0	U	1.0	0.72	ug/L		09/20/20 08:40	09/20/20 23:36	1
Fluoranthene	10	U	10		ug/L		09/20/20 08.40	09/20/20 23:36	*
Fluorene	10	U.	10	100	ug/L		09/20/20 08:40	09/20/20 23:36	4
Indeno[1,2,3-cd]pyrene	2,0	U	2.0		ug/L		09/20/20 08:40		1
Naphthalene	2.0	U.	2.0	100.00	ug/L		09/20/20 08:40	09/20/20 23:36	- 1
Phenanthrene	10	U.	10		ug/L		D9/20/20 08:40	09/20/20 23:36	
Pyrene	10	U	10	1.6	1.00		09/20/20 08:40		1
Surrogate %	Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	91	1,000	42-127				09/20/20 08:40	09/20/20 23:36	Dit Fac
Nitrobenzene-d5 (Surr)	109		46 - 137				09/20/20 08:40	09/20/20 23:36	-
Terphenyl-d14 (Surr)	106		39 - 150				09/20/20 08:40	09/20/20 23:36	Ť

Client Sample ID: H1MW-08S

Date Collected: 09/16/20 08:50 Date Received: 09/16/20 18:30 Lab Sample ID: 460-218634-10

09/20/20 08:40 09/20/20 23:36

Matrix: Water

Analyte	Result	Qualifier	RL	MOL	Unit	D	Prepared	Analyzed	Dit Fac
Benzene	1.0	U	1.0	0.20	ug/L			09/21/20 14:59	1
Ethylpenzene	1.0	U	1.0	0.30				09/21/20 14:59	
Toluene	1.0	U	1,0	0.38				09/21/20 14:59	
Xylenes, Total	2.0	U	2.0	0.65				09/21/20 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 123				1 / special	09/21/20 14:59	1
4-Bromofiuorobenzene	98		76 - 120					09/21/20 14:59	4
Dibromofluoromethane (Surr)	97		77 - 124					09/21/20 14:59	7

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3 2020

Lab Sample ID: 460-218634-10

Matrix: Water

Job ID: 460-218634-1

# Client Sample ID: H1MW-08S

Date Collected: 09/16/20 08:50 Date Received: 09/16/20 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	80		80 - 120				Уторилов	09/21/20 14:59	Un Fat
Method: 8270D - Semivo	latile Organic Co	mnounds	(GC/MS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	Li	10	1.1	ug/L	3	09/20/20 08:40	09/20/20 23:57	Lilitat
Acenaphthene	10	U	10	1.1	ug/L		09/20/20 08:40	09/20/20 23:57	- 4
Acenaphthylene	10	U	10	0.82			09/20/20 08:40	09/20/20 23:57	- 5
Anthracene	10	U	10	0.63	ug/L		09/20/20 08:40	09/20/20 23:57	
Benzo(a)anthracene	1.0	U .	1.0	0.59			09/20/20 08:40	Control of the second second	3
Benzo[a]pyrene	1.0		1.0	0.41	ug/L			09/20/20 23:57	- 3
Benzo billuorantherie	2.0	U	2.0	0.68	4.4		09/20/20 08:40	09/20/20 23:57	3
Benzo(g,h,l)perviene	10	Ü	10	73.4	ug/L		09/20/20 08:40	09/20/20 23:57	3.
Benzo[k]fluoranthene	1.0	Ü		1.4	ug/L		09/20/20 08:40	09/20/20 23:57	9
Chrysene			1.0	0.67	ug/L		09/20/20 08:40	09/20/20 23:57	- 3
45. 30. 10. 10. 10. 10. 10. 10. 10. 10. 10. 1	2.0	U	2.0	0.91	ug/L		09/20/20 08:40	09/20/20 23:57	(T)
Dibenz(a,h)anthracene	1.0	u	1.0	0.72	ug/L		09/20/20 08:40	09/20/20 23:57	7
Fluoranthene	10	U	10	0.84	sig/L		09/20/20 08:40	09/20/20 23:57	7
Fluorene	10	u	10	0.91	ug/L		09/20/20 08:40	09/20/20 23:57	
Indeno[1,2,3-cd]pyrene	2.0	U	2,0	0.94	ug/L		09/20/20 08:40	09/20/20 23:57	1
Naphthalene	2.0	U	2.0	1.1	ug/L		09/20/20 08:40	09/20/20 23:57	*
Phenanthrene	10	U	10	0.58	ug/L		A	09/20/20 23:57	4
Pyrene	10	u	10	1,6	ug/L		09/20/20 08:40	09/20/20 23:57	1

Client Sample ID: H1MW-08I

Date Collected: 09/16/20 09:55 Date Received: 09/16/20 18:30

Surrogate

2-Fluorobiphenyl

Nitrobenzene-d5 (Surr)

Terphenyl-d14 (Surr)

Lab Sample ID: 460-218634-11

09/20/20 08:40 09/20/20 23:57

09/20/20 08:40 09/20/20 23:57

09/20/20 08:40 09/20/20 23:57

Analyzed

Prepared

Matrix: Water

Oll Fac

Method: 8260C -	Volatile Organic	Compounds	by GC/MS
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HI

%Recovery Qualifier

106

86

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	t.0	U	1.0	0.20	ug/L	- 6	- Saferdan	09/21/20 15:23	3
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/21/20 15:23	-
Toluene	1.0	U	1.0	0.38	ug/L			09/21/20 15:23	-
Xylenes, Total	2.0	U-	2.0	0.65				09/21/20 15:23	- 1

Limits

42.127

46.137

39 - 150

Surrogate	%Recovery	Qualifier	Limits	Prepared Analy	vzed	Dil Fac
1,2-Dichloroethene-d4 (Surr)	93	-	75 - 123	09/21/2		JIII ac
4-Bromofluorobenzene	98		76 - 120	09/21/2	1000	,
Dibromofluoromethane (Surr)	104		77-124	09/21/2	1 6165	
Toluene-d8 (Surr)	85		80 - 120	09/21/2	0 101000	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	1.1	ug/L	- 2	1000000	09/21/20 00:18	
Acenaphthene	10	U	10	1.1	ug/L			09/21/20 00:18	
Acenaphthylene	10	U	10	0.82	ug/L			09/21/20 00:18	1
Anthracene	10	U	10	0.63	ug/L		09/20/20 08:40	09/21/20 00:18	1

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3 2020

Lab Sample ID: 460-218634-11

Matrix: Water

Job ID: 460-218634-1

### Client Sample ID: H1MW-08I

Date Collected: 09/16/20 09:55 Date Received: 09/16/20 18:30

Analyte	Result	Qualifier	RL	MDL	P. Commission	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L	_	09/20/20 08:40	president and the first state of the state o	Dirac
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/20/20 08:40	09/21/20 00:18	1
Benzolbjfluoranthene	2:0	U	20	1000	100		09/20/20 08:40		2
Benzo[g,h,l]perylene	10	U	10	1.4	Ug/L		09/20/20 08:40	09/21/20 00:18	- 1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/20/20 08:40		
Chrysene	2.0	u	2.0	0.91	ug/L		09/20/20 08:40	The second secon	
Dibenz(a,h)anthracene	1.0	U	1,0	0.72	770		09/20/20 08:40	09/21/20 00:18	- 0
Fluoranthene	10	U	10	Section 2	ug/L		09/20/20 08:40		3
Fluorena	10	Ü	10	0.91	ug/L		09/20/20 08:40	Control of the Contro	3
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	a 75.5	ug/L		09/20/20 08:40		- 2
Naphthalene	2.0	U	2.0	1.1	ug/L		The second secon	09/21/20 00:18	7
Phenanthrene	10	U	10	0.58	ug/L		09/20/20 08:40		3
Pyrene	10	70.	10		ug/L		09/20/20 08:40 09/20/20 08:40	09/21/20 00:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	101		42 - 127				09/20/20 08:40	09/21/20 00:18	DIFAC
Nitrobenzene-d5 (Surr)	112		46 - 137				09/20/20 08:40	09/21/20 00:18	4
Terphenyl-d14 (Surr)	104		39 - 150				09/20/20 08:40	09/21/20 00:18	1
lient Sample ID: H1MW-I	าลก					1.46	Cample II		

Client Sample ID: H1MW-08D

Date Collected: 09/16/20 10:55 Date Received: 09/16/20 18:30

Lab Sample ID: 460-218634-12

Matrix: Water

Analyte-	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	u	1.0	0.20	ug/L			09/21/20 15:47	1
Ethylbenzene	1:0	U.	1.0	0.30	ug/L			09/21/20 15:47	- 1
Toluene	1.0	U	1.0	0.38	ug/L			09/21/20 15:47	- 1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/21/20 15:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		75.123				1. 1 Springer	09/21/20 15:47	Dir rau
4-Bromofiuorobenzene	96		76 - 120					09/21/20 15:47	
Dibromofluoromethane (Surr)	94		77 - 124					09/21/20 15:47	
Toluene-d8 (Surr)	83		80 - 120					09/21/20 15:47	
Method: 8270D - Semivolati		mpounds Qualifier	(GC/MS)	MDL	(tea		Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	1.1	ug/L		09/20/20 08:40	09/21/20 00:39	1
Acenaphthene	10	U	1.0	1.1	ug/L		09/20/20 08:40	09/21/20 00:39	4
Acenaphthylene	10	U	10	0.82			09/20/20 08:40	09/21/20 00:39	
Anthracene	10	U	10	3 66	W. W.		09/20/20 08:40	09/21/20 00:39	
Benzo[a]anthracene	1.0	U	1.0		-		09/20/20 08:40	09/21/20 00:39	
Benzo(a)pyrene	1.0	U	1.0	0.41	-		09/20/20 08:40	09/21/20 00:39	
Benzo(b)fluoranthene	2.0	U	2.0	0.68			09/20/20 08:40	09/21/20 00:39	
Benzo[g,h,l]perylene	10	U	10	100	ug/L		09/20/20 08:40	09/21/20 00:39	4
Benzo(k)/luoranthene	1:0	U	1.0	100 km	ug/L		09/20/20 08:40	09/21/20 00:39	4
Chrysene	2.0	Q.	2.0		ug/L		09/20/20 08:40	09/21/20 00:39	4
Dibenz(a,h)anthracene	1.0	u	1.0	0.72			09/20/20 08:40	09/21/20 00:39	
Fluoranthene	10	Ú.	10	0.84	200			09/21/20 00:39	
Fluorena	10	U	10	0.91				09/21/20 00:39	- 1

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3 2020

Lab Sample ID: 460-218634-12

Matrix: Water

Job ID: 460-218634-1

Client Sample ID: H1MW-08D

Date Collected: 09/16/20 10:55 Date Received: 09/16/20 18:30

Analyte		Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene		2.0	U	2.0	The state of	ug/L	- 2		09/21/20 00:39	Dil Fac
Naphthalene		2.0	W	2,0		ug/L			09/21/20 00:39	3
Phenanthrene		10	U	10		ug/L			09/21/20 00:39	- 1
Pyrene		10	U	10		ug/L		09/20/20 08:40		1
Surrogate		%Recovery	Qualifier	Limits				Prepared	Analyzed	DH F
-Fluorobiphenyl		98		42-127				09/20/20 08:40		Dil Fac
litrobenzene-d5 (Sum)		109		46 - 137				09/20/20 08:40		4
Terphenyl-d14 (Surr)	HI	96		39 - 150				09/20/20 08:40		1

Client Sample ID: H1MW-25

Date Collected: 09/16/20 12:25 Date Received: 09/16/20 18:30 Lab Sample ID: 460-218634-13

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L		, tapaise	09/21/20 16:11	Dirac
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/21/20 16:11	
Toluene	1.0	U	1.0	0.38				09/21/20 16:11	- 1
Xylenes, Total	2.0	U	2.0		ug/L			09/21/20 16:11	9
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1.2-Dichloroethane-d4 (Surr)	93		75 - 123					09/21/20 16:11	DIFFAL
4-Bromofluorabenzene	96		76-120						,
Dibromofluoromethane (Surr)	99		77 - 124					09/21/20 16:11	7
Toluene-d8 (Sum)	89		80 - 120					09/21/20 16:11	7
Construction of the section of the s	0.0		00-120					09/21/20 16:11	7

Method: 8270D - Semivo Analyte		mpounds Qualifier			VIC.00		5		
2-Methylnaphthalene			RL		Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	10		10	1.1	ug/L		09/20/20 08:40	09/21/20 01:00	1
	10		10	1.1	ug/L		09/20/20 08:40	09/21/20 01:00	1
Acenaphthylene	10	U	10	0.82	ug/L		09/20/20 08:40	09/21/20 01:00	1
Anthracene	10	U	10	0.63	ug/L		09/20/20 08:40		3
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/20/20 08:40	Transmitted Name	-
Benzo[a]pyrene	1.0	U	7.0	0.41	ug/L		09/20/20 08:40	09/21/20 01:00	4
Benzo[b]fluoranthene	2,0	U	2.0	0.68	-		09/20/20 08:40	09/21/20 01:00	
Benzo(g,h,i)perylene	10	U	10		l/g/L		09/20/20 08:40		-
Benzo[k]fluorantherie	1.0	U	1.0	0.67			09/20/20 08:40		- 1
Chrysene	2.0	U	2.0	0.91	ug/L		09/20/20 08:40	The second secon	- 3
Dibenz(a,h)anthracene	1.0		1,0	0.72				09/21/20 01:00	- 1
Fluoranthene	10			04 (10 m)	100.00		09/20/20 08:40	09/21/20 01:00	1
Fluorene	10		10	The same of	ug/L		09/20/20 DB:40	09/21/20 01:00	1
Indeno(1,2,3-cd)pyrene			10		ug/L		09/20/20 08:40	09/21/20 01:00	1
Naphthalene	2.0		2.0	0.94	ug/L		09/20/20 08:40	09/21/20 01:00	- 1
	2.0		2.0	1.1	ug/L		09/20/20 08:40	09/21/20 01:00	4.
Phenanthrene	10		70	0.58	ug/L		09/20/20 08:40	09/21/20 01:00	- 1
Pyrene	10	Ü	10	1.6	ug/L		09/20/20 08:40	09/21/20 01:00	1
Surrogate	%Rernvens	Qualifine	I limite.				4-7	0.073	

%Recovery Qualifier	Limits	Prenared	Analyzed	Dil Fac
94	42 - 127	200.000	The second second	and in many
108	46 - 137		Contract of the second	,
107	39 - 150		Office and a Trustee	
	94 108	94 42 127 108 46 137	94 42 - 127 09/20/20 08:40 106 46 - 137 09/20/20 08:40	94 42 127 09/20/20 08:40 09/21/20 01:00 108 46 137 09/20/20 08:40 09/21/20 01:00

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection Q3 2020

Job ID: 460-218634-1

Client Sample ID: H1MW-24

Date Collected: 09/16/20 13:35 Date Received: 09/16/20 18:30 Lab Sample ID: 460-218634-14

Matrix: Water

	170								
Method: 8260C - Volatile C	Organic Compo	unds by	GC/MS						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0		1.0	0.20	ug/L			09/21/20 16:35	-
Ethylbenzene	14.0	U	1.0	0.30	ug/L			09/21/20 16:35	- 1
Toluene		U	1.0	0.38	ug/L			09/21/20 16:35	
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/21/20 16:35	3
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	BUE.
1,2-Dichloroethane-d4 (Surr)	95		75-123				riepareu	09/21/20 16:35	Dil Fac
4-Bromofluorobenzene	98		76-120					09/21/20 16:35	7
Dibramofluoromethane (Surr)	99		77 - 124					The second second second	1
Toluene-d8 (Surr)	86		80 - 120					09/21/20 16:35 09/21/20 16:35	7
Method: 8270D - Semivola	tile Organic Co	mnounde	ICCINE						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Amakania	
2-Methylnaphthalene	10		10	1.1	ug/L	_	09/20/20 08:40	Analyzed 09/21/20 01:21	Dil Fac
Acenaphthene	10	u	10	13	ug/L		09/20/20 08:40	actor to the state of the state	- 1
Acenaphthylene	10	U	10	0.82	ug/L		09/20/20 08:40		1
Anthracene	in	U	10	0.63	ug/L		09/20/20 08:40	09/21/20 01:21	3
Benzo(a)anthracene	1.0	U	1.0	0.59	ug/L		09/20/20 08:40	09/21/20 01-21	7
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/20/20 08:40	09/21/20 01:21	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L			09/21/20 01:21	1
Benzo[g,h,l]perylene	10	Ü	10	1.4	ug/L		09/20/20 08:40	09/21/20 01:21	
Benzo(k)fluoranthene	1.0	Ü	1.0		ug/L		09/20/20 08:40	- 31 to 11 to 9 to 1 (see )	1
Chrysene	2.0	ŭ	2.0		- 300		09/20/20 08:40	09/21/20 01;21	1
Dibenz(a,h)anthracene	1.0	Ü	1.0	0.72	ug/L ug/L		09/20/20 08:40	09/21/20 01:21	7
lugranthene	10	Ü	-10		ug/L		09/20/20 08:40	09/21/20 01 21	,
Fluorene	10	U	10	50.00	100		09/20/20 08:40	09/21/20 01:21	7
ndeno(1,2,3-cdjpyrene	2.0	U	2.0		ug/L		09/20/20 08:40	09/21/20 01:21	1
Vaphthalene	2.0	U	2.0	772	ug/L		09/20/20 08:40	09/21/20 01:21	1
Phenanthrene	100	u	10		ug/L		09/20/20 08:40	09/21/20 01:21	4
yrene	10	17		1.00	ug/L		09/20/20 08:40	09/21/20 01:21	4
7.4	.10	ų.	10	1.6	ug/L		09/20/20 08:40	09/21/20 01:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
-Fluorobiphenyl	89		42-127				09/20/20 08:40	09/21/20 01:21	DIL Pac
litrobenzene-d5 (Surr)	103		46 137				09/20/20 08:40	09/21/20 01:21	4
erphenyl-d14 (Surr)	96		39-150					09/21/20 01:21	1

TestAmerica Laboratories, Inc. **TestAmerica** Form No. CA-C-WI-002, Rev. 4.11, dated 1/24/2017 SOCS Sample Specific Notes: Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month G No. of A For Lab Use Only Walk-in Client: pling: Months Therm ID No. COC No: Date/Time: Dalle/Time N 0 D Archive for Date: 416 20 Carrier: Test América 460-218634 Chain of Custody NYC Company Corrd Company Copler Temp. (°C): Obs'd Chain of Custody Record Lab Contact: Melissa Haas Site Confact: Mike Quinian Received in Laboretory by: □ Other D Return to Clerk **Brad stallug** Received by Received by: × T D RCPA Filtered Sample (YIN) Perform MS / MSD (YIN) Date/Time S 2019 D NPDES # of Cont. samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Date/Time: 83 S ☐ WORKING DAYS REPOR Matrix GW Regulatory Program: 0 ow Analysis Turnaround Time TAT If different from Below standard Project Manager: Chris Morris Type (C=Camp, G=Gmb) Company: GEI Consultants Inc. 0 2 weeks 1 week 2 days Fel/Fax: (631) 759-2967 day. Sample 030 1225 579 200 028 771 CI CALENDAR DAYS vation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Custody Seal No. 02/9/6 Sample Company □ Polson B Company 0000 Hazard D Farmable D San Impart ints Section if the lab is to dispose of the sample Name: National Grid Hempstead Intersection D No 3 Sample Identification 125 America New York City エスシーのグラ HIMM-150 22 050 - MWIT HIMM-IST 52-MW1-Client Contact Phone Yes stand City, NY 11101-2425 347,507,0579 fax 3001620 ownstate Former MGP Site g -MWIT -MWIH gton Station, NY 11746 onsultants Inc. P.C. ody Seals Intect. 905774.15.3 lew York Ave 32nd Place 60 - 9300 190 - 9301 ilshed by: ished by: ished by Page 539 of

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TO MPDES

Regulatory Program: @ pw

TestAmerica Laboratories, Inc. **TestAmerica** 

NYC 222

Sample Specific Notes: Sampler: Vovz : 446 7 10 For Lab Use Only: Job / SDG No.: Walk-in Client: Lab Sampling: COC No. Date: 09/16/20 Carrier: Test America Site Contact: Mike Quinlan Lab Contact: Melissa Haas 7 × × (N \Y) OSM ! SM mohe9 Fittered Sample ( Y / N ) Conf. 4 5 4 ☐ WORKING DAYS Matrix Analysis Turnaround Time TAT I different from Below standard Project Manager: Chris Morris Type (C-Comp. G-Grab) 2 weeks 1 WEEK 2 days FeVFax; (631) 759-2967 1 day 1335 335 Sample 1055 0730 Time 0820 035 CALENDAR DAYS vation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 9/14/20 Sample Name: National Grid Hempstead Intersection 43.300 Sample Identification Client Contact Phone ownstate Former MGP Site 069-400 gton Station, NY 11746 onsultants Inc. P.C. 180-MUS 留かく 35 18-MW-24 ISO-MWA I 98-MUIT 280-MWI-1905774.15.3 lew York Ave 160 - 9300 60 - 9301

Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month D Archive for G Disposal hy Lab D Return to Clent reamples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the [] Polson B O Skin Imitant ants Section if the lab is to dispose of the sample. le Hazard Identification:

Months

Instructions/QC Requirements & Comments;

Form No. CA.C-WI-002, Rev. 4.11, dated 1/24/2017 1830 500 Therm ID No. Date/Tyme: Data/Time: Company Corrd Company Cooler Temp. (°C): Obs'd Received th Laboratory av Received by Received by Date/Time/ Chi P Date (Time Company: GEI Consultants Inc. P.C. Custody Seal No. Company / Сотраду 0% [] i Versian Jished by. (576) ody Seals Intact. ushed by: ished by: 7

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Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection

Lab Sample ID: 460-218647-1

Matrix: Water

Job ID: 460-218647-1

Client Sample ID: TB091720

Date Collected: 09/17/20 00:00 Date Received: 09/17/20 18:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Anahowat	mil ex
Benzene	1.0	U	1.0	0.20	ug/L	_	repared	Analyzed	Dil Fac
Ethylbenzene	1.0	Ú.	1.0	100				09/22/20 02:35	1
Toluene	1.0	7			ug/L			09/22/20 02:35	1
Xylenes, Total			1,0		ug/L			09/22/20 02:35	1
ryionea, iotai	2.0	u	2.0	0.65	ug/L			09/22/20 02:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared		44.6
1.2-Dichloroethane-d4 (Surr)	100		75 - 123				Frapared	Analyzed	Dil Fac
4-Bromofluorobenzene	112		76-120					09/22/20 02:35	1
Dibromofluoromethane (Surr)	2.70		16.00					09/22/20 02:35	- 7
	103		77-124					09/22/20 02:35	1
Toluene-d8 (Surr)	101		80 - 120					09/22/20 02:35	- 3

Client Sample ID: HIMW-05S

Date Collected: 09/17/20 06:50 Date Received: 09/17/20 18:30 Lab Sample ID: 460-218647-2 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Direc-
Benzene	1.0	U.	1.0	0.20	um/l.	- 2	T uparuu	The State of the S	Dil Fac
Ethylbenzene	10	U	1.0		-			09/22/20 04:38	1
Toluene	3	2.59		0.30				09/22/20 04:38	1
No. of the last of	1.0	-	1.0	0.38	ug/L			09/22/20 04:38	- 1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/22/20 04:38	1
Surrogate	%Recovery	Qualifier	Limits				The same of	American	200
1.2-Dichloroethane-d4 (Surr).	96		75. 123				Prepared	Analyzed	Dil Fac

and all and	Mecuvery	quaimer	Limits	Prepared Analyzed	DUC
1.2-Dichloroethane-d4 (Surr)	96	440	75 123		Dil Fac
			13:123	09/22/20 04:38	1
4-Bromofluorobenzene	113		76 - 120	09/22/20 04:38	
Dibromofluoromethane (Surr)	102		77 - 124		
			11-124	09/22/20 04:38	
Toluene-d8 (Surr)	101		80 - 120	09/22/20 04:38	7

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

Analyzed 1 0 09/21/20 01:41 0 09/21/20 01:41	Dil Fac
	1.1
On the state of the state of	4
0 09/21/20 01:41	- 2
0 09/21/20 01:41	
A CONTRACTOR OF THE PARTY OF TH	3
Committee and the second of the second	- 1
0 09/21/20 01:41	4
0 09/21/20 01:41	7
0 09/21/20 01:41	3
0 09/21/20 01:41	1
0 09/21/20 01:41	1
0 09/21/20 01 41	1
0 09/21/20 01:41	1
0 09/21/20 01:41	1
0 09/21/20 01:41	1
0 09/21/20 01:41	7
0 09/21/20 01:41	
09/21/20 01:41	.1.
0 0	09/21/20 01:41 09/21/20 01:41 09/21/20 01:41

zed Dil Fac
Carlos Carlos Maria
01:41 1
01:41 1
0



Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: 460-218647-2

Matrix: Water

Job ID: 460-218647-1

Client Sample ID: HIMW-05S

Date Collected: 09/17/20 06:50 Date Received: 09/17/20 18:30

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

Result Qualifier

Surrogate Temberal d14 (Sure)	%Recovery Q	ualifier	Limits	Prepared	Abolivani	D# 6
Terphenyl-d14 (Surr)	106	-	80 480	rrepared	Analyzed	Dil Fac
- S. E. S. G. S. J. LOSGI. 7	100		39 - 150	09/20/20 08:40	09/21/20 01:41	1

Client Sample ID: HIMW-20S

Date Collected: 09/17/20 08:50

Date Received: 09/17/20 18:30

Analyte

Lab	Sample	ID:	460-218647-3
	oumpie	iD.	400-210047-3

Matrix: Water

Benzene	1.0	1.4				C. State of the Control of the Contr	- Himmy want	MILL DE
C. C	1.0	U	1.0	0.20	ug/L		09/22/20 05:03	1
Ethylbenzene	1.0	U	1.0	0.30	Ug/L		09/22/20 05:03	
Toluene	1.0	Ü	1.0		ug/L		CONTRACTOR OF STREET	
Xylenes, Total	2.0	00					09/22/20 05:03	1
of an loop and	4.0	U	2.0	0.65	ug/L		09/22/20 05:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	nue -
1.2-Dichlaroethane-d4 (Surr)	101		75 - 123			riupareu		DII Fac
4-Bromofluorobenzene	113		Carrie				09/22/20 05:03	7
	2.7		76 - 120				09/22/20 05:03	7
Dibromofluoromethane (Surr)	105		77 - 124				09/22/20 05:03	4
Toluene-d8 (Surr)	103		80 - 120				23,000,000	
7 150 7 150 104 11 340			00-120				09/22/20 05:03	7
Method: 8270D - Semivolat	ila Organic Co	manuada /	COMIC					
THE PROPERTY OF THE PARTY OF TH	me organic co	moounds t	GC/MSI					

MDL Unit

Method: 8270D - Semivo	alatila Organia Ca	manuada	ICCINO)						
Analyte		Qualifier	RL RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	1.1	ug/L	-	09/20/20 08:40	The second secon	DII Pac
Acenaphthene	10	U	10	1.1	ug/L		09/20/20 08:40	09/21/20 02:02	
Acenaphthylene	10	U	10	0.82	-		09/20/20 08:40		1
Anthracene	10	U	10	0.63	-		09/20/20 08:40	09/21/20 02:02	1
Benzo[a]anthracene	1.0	U	1.0	0.59			09/20/20 08:40	09/21/20 02:02 09/21/20 02:02	3
Benzo[a]pyrene	1.0	u	1.0	0.41	ug/L		09/20/20 08:40	09/21/20 02:02	
Benzo(b)fluoranthene	2:0	U	2.0	0.68			09/20/20 08:40	The state of the s	- 2
Benzo(g,h,l)perylene	10	U	10	1.4	ug/L		09/20/20 08:40	09/21/20 02:02	- 1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	µg/L		09/20/20 08:40	09/21/20 02:02	- 2
Chrysene	2.0	U	2.0	0.91	ug/L		09/20/20 08:40	134 134 34 34 34000	30
Dibenz(a,h)anthracene	1.0	U	1.0	7.50	ug/L		09/20/20 08:40	09/21/20 02/02	
Fluoranthene	10	1-20	10	0.84	ug/L		09/20/20 08:40	09/21/20 02:02	3
Fluorene	10		10	0.91	-			09/21/20 02:02	3
Indeno[1,2,3-cd]pyrene	2.0		2.0	15000	ug/L		09/20/20 08:40	09/21/20 02:02	7.
Naphthalene	2.0		2.0		ug/L		09/20/20 08:40	09/21/20 02:02	7
Phenanthrene	10		10		ug/L		09/20/20 08:40	09/21/20 02:02	1
Pyrane	10	100		0.58			09/20/20 08:40	09/21/20 02:02	1
4000	10	U.	10	1.6	ug/L		09/20/20 08:40	09/21/20 02:02	
Surrogate	%Recovery	Qualifier	Limite				Manager 1	Acres 6	1000

Surrogate	%Recovery Qualifier	Limits	Prepared Analyzed	Dil Fac
2-Fluorobiphenyl	77	42 - 127	09/20/20 08:40 09/21/20 02:0	- 20 00 40
Nitrobenzene-d5 (Surr)	86	46-137	09/20/20 08:40 09/21/20 02:0	
Terphenyl-d14 (Surr)	71	39 - 150	09/20/20 08:40 09/21/20 02:0	
			08/20/20 08/40 09/21/20 02:0/	1

Client Sample ID: HIMW-201

Date Collected: 09/17/20 10:35 Date Received: 09/17/20 18:30 Lab Sample ID: 460-218647-4

Matrix: Water

Method: 8260C - Vola	tile Organic Compo	unds by GC/	MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	(t)	0.0	0.00			LO ARESISTE	700	Direc
ALL ALL STATES	1.0		1.0	0.20	ug/L			09/22/20 05:28	-1

Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection

Lab Sample ID: 460-218647-4

Matrix: Water

Job ID: 460-218647-1

Client Sample ID: HIMW-201

Date Collected: 09/17/20 10:35 Date Received: 09/17/20 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued) Analyte Result Qualifier RL MDL Unit Prepared Analyzed DII Fac Ethylbenzene 1.0 U 1.0 0.30 ug/L 09/22/20 05:28 Toluene 1.0 U 1.0 0.38 ug/L 09/22/20 05:28 ٩ Kylenes, Total 2.0 U 2.0 0.85 ug/L 09/22/20 05:28 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1.2-Dichloroethane-d4 (Surr) 100 75 - 123 09/22/20 05:28 1 4-Bromoffuorobenzene 110 76 - 120 09/22/20 05:28 Dibromofluoromethane (Surr) 105 77-124 09/22/20 05:28 1 Toluene-d8 (Surr) 103 80 - 120 09/22/20 05:28 Method: 8270D - Semivolatile Organic Compounds (GC/MS) Analyte Result Qualifier MDL Unit D Prepared Analyzed Dil Fac 2-Methylnaphthalene 10 U 10 LIQ/L 09/20/20 08:40 09/21/20 02:23 Acenaphthene 10 U 10 1.1 ug/L 09/20/20 08:40 09/21/20 02:23 Acenaphthylene 10 U 10 ug/L 09/20/20 08:40 09/21/20 02:23 Anthracene 10 U 10 0.63 ug/L 09/20/20 08:40 09/21/20 02:23 Benzo[a]anthracene 1.0 LL 1.0 0.59 ug/L 09/20/20 08:40 09/21/20 02:23 Benzo(a)pyrene. 1.0 II 1.0 0.41 ug/L 09/20/20 08:40 09/21/20 02:23 Benzo(b)fluoranthene 2.0 U 2.0 0.68 ug/L 09/20/20 08:40 09/21/20 02:23 Benzo[g,h,i]perylene 10 U 10 1.4 ug/L 09/20/20 08:40 09/21/20 02:23 Benzo[k]Iluorantnene 1.0 U 10 0.67 ug/L 09/20/20 08:40 09/21/20 02:23 Chrysene 2.0 U 2.0 0.91 ug/L 09/20/20 08:40 09/21/20 02:23 Dibenz(a,h)anthracene 1.0 LI 1.0 0.72 Mg/L 09/20/20 08:40 09/21/20 02:23 Fluoranthene 10 U 10 0.84 ug/L 09/20/20 08:40 09/21/20 02:23 Fluorene 10- U 10 0.91 ua/L 09/20/20 08:40 09/21/20 02:23 Indeno[1,2,3-cd]pyrene 2.0 U 2.0 0.94 ug/L 09/21/20 02:23 09/20/20 08:40 Naphthalene 20 U 2.0 1.1 ug/L 09/20/20 08:40 09/21/20 02:23 7 Phenanthrene 10 U 10 0.58 ug/L 09/20/20 08:40 09/21/20 02:23 T Pyrene 10 U 10 1.6 ug/L 09/20/20 08:40 09/21/20 02:23 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 2-Fluorobiphenyl 98 42 127 09/20/20 08:40 09/21/20 02:23 Nitrobenzene-d5 (Surr) 108 46.137 09/20/20 08:40 09/21/20 02:23 Terphenyl-d14 (Surt) 103 39.150 09/20/20 08:40 09/21/20 02:23

Client Sample ID: HIMW-26D

Date Collected: 09/17/20 07:25 Date Received: 09/17/20 18:30 Lab Sample ID: 460-218647-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Benzene	1.0	U	1.0	0.20	ug/L	_ =		09/22/20 05:52	Direc
Ethylberizene:	1.0	Ü.	1.0	0.30	1.00			Chicago a cultura	9
Toluene	0.48	J	1.0		lig/L			09/22/20 05:52	7
Xvienes, Total	22				-			09/22/20 05:52	
3)2.1.4.1	22		2,0	0.65	ug/L			09/22/20 05:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	hi/ F
1,2-Dichloroethane-d4 (Surr)	102		75-123				riepareo		Dil Fac
4-Bromofluorobenzene	112		76 - 120					09/22/20 05:52	
Dibromofivoromethane (Surr)	108							09/22/20 05:52	
Taluene-d8 (Surr)	33.00		77 - 124					09/22/20 05:52	7
minerie (auti)	106		80 - 120					09/22/20 05:52	

Client: GEI Consultants, Inc. Project/Site: National Grid Hempstead Intersection

Lab Sample ID: 460-218647-5

Matrix: Water

Job ID: 460-218647-1

### Client Sample ID: HIMW-26D Date Collected: 09/17/20 07:25

Date Received: 09/17/20 18:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	280		40	4.4	ug/L		09/20/20 08:40	Committee of the Commit	0
Acenaphthene	8.4	J	40	4.3	ug/L		09/20/20 08:40	09/22/20 06:58	4
Acenaphthylene	100		40	3.3	ug/L		09/20/20 08:40		4
Anthracene	40.	U	40	2.5	ug/L		09/20/20 08:40	The state of the s	4
Benzo[a]anthracene	4.0	U	4.0	2.4			09/20/20 08:40		4
Benzo[a]pyrene	4.0		4.0	1.6	ug/L		09/20/20 08:40	7.57 5.57 5.57 5.57	4
Benzo[b]fluoranthene	8,0	n.	8.0	2.7	ug/L		09/20/20 08:40	09/22/20 06:58	A
Benzolg.h.i]perylene	40	U	40	5.7	ug/L		09/20/20 08:40	The second secon	4
Benzo[k]fluoranthene	4,0	U	4.0	2.7	ug/L		09/20/20 08:40		3
Chrysene	8.0	U	8.0	3.6	ug/L		09/20/20 08:40	09/22/20 06:58	4
Dibenz(a,h)anthracene	4.0	U	4.0	2.9	ug/L		09/20/20 08:40	09/22/20 06:58	4
Fluoranthene	40	U	40	3.4	ug/L		09/20/20 08:40	09/22/20 06:58	4
Fluorene	23	J	40		lig/L		09/20/20 08:40	09/22/20 06:58	
Indeno[1,2,3-cd]pyrene	8.0	U	8.0	9000	ug/L		09/20/20 08:40	09/22/20 06:58	4
Naphthalene	450		8.0		ug/L		09/20/20 08:40	09/22/20 06:58	4
Phenanthrene	19	J	40	-0.00	ug/L		09/20/20 08:40	09/22/20 06:58	4
Pyrene	40	U	40		ug/L		09/20/20 08:40	09/22/20 06:58	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	DII Fac
2-Fluorobiphenyl	113		42-127				09/20/20 08:40	09/22/20 06:58	DII Fac
Vitrobenzene-d5 (Surr)	106		46 - 137				09/20/20 08:40	09/22/20 06:58	9
Terphenyl-d14 (Surr)	121		39 - 150				09/20/20 08:40	09/22/20 06:58	4

## Chain of Custody Record

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica New York City

Long Island City, NY 11101-2425 phone 347.507.0579 fax 47-32 32nd Place Suite 1141

	Gau	regulatory Program: C DW	ogram:		CI NPDES	D RCRA	W Domer				TestAmeri	TestAmerica Laboratories, to
Client Contact	Project Ma	Project Manager: Chris Morris	ris Morris		37	ite Cor	Site Contact: Mike Quinlan		Date	8 13 13	COC No.	in a land
GEI Consultants Inc. P.C.	TeVFax: (6	TeVFax: (631) 759-2967	1.9		Ī	Lab Confact:	rtact: Molissa Haas		arrier To	-	-	1
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(1931) 780 - 9301 Project Name: National Grid Hempstead Intersection	00	2.8	weeks		18.0	(A)	peledi				Lab Sampling	
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460-218647 Chain of Custody	stody							R	RUSH			
Proservation Used: 1= Ice, 2= HCl: 3= H2SO4: 4=HNO3: 4=NaOH: 0= Out.	29. K-N-0.U. 01.								t			
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? PI Comments Section if the lab to the section is the section if the lab to the section is the section if the lab to the section is th	Please List any EPA Waste Codes for the samble in the	A Waste C	odes for th	semple	in the	Sample	Disposal ( A fer	may be as	Passes If	samples are ret	Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month	month)
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Client: GEI Consultants, Inc.

Project/Site: National Grid Hempstead Intersection

Lab Sample ID: 460-220057-1

Job ID: 460-220057-1

Matrix: Water

Client Sample ID: TB100620 Date Collected: 10/06/20 00:00 Date Received: 10/07/20 20:00

Method: 8260C - Volatile Or Analyte	Result	Qualifier	RL	MOL	Unit	160	Acres 6		
Benzene	1.0	U	1.0	-		D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1.0	70		0.20	2			10/10/20 17:32	1
Toluene			1.0	0.30	ug/L			10/10/20 17:32	
Xylenes, Total	1,0		1.0	0.38	ug/L			10/10/20 17:32	
rigierios, rolai	2.0	U	2.0	0.65					1.
Surrogate	*/*	W. 1000						10/10/20 17:32	1
1,2-Dichloroethane-d4 (Sum)	%Recovery	Qualifier	Limits				Prepared	Anabour	1500
	105		75-123				richared	Analyzed	DII Fac
4-Bromofluorobenzene	107		76-120					10/10/20 17:32	1
Dibromofluoromethane (Surr)	108		77 - 124					10/10/20 17:32	1
Toluene-d8 (Surr)	103		10000					10/10/20 17:32	1
200-200	103		80 - 120					10/10/20 17:32	

Client Sample ID: HIMW-12I

Date Collected: 10/06/20 09:40 Date Received: 10/07/20 20:00

Lab Sample ID: 460-220057-2

Matrix: Water

Method: 8260C - Volatile C	Result	Qualifier	RL	MDI	Unit		Ant 25 to 2		
Benzene	1.0	U	1.0	9 10 10		D	Prepared	Analyzed	Dil Fa
Ethylbenzene	1.0	ti.			A CONTRACTOR			10/10/20 17:56	
Toluene	1.0		1.0		ug/L			10/10/20 17:56	
Xylenes, Total	1.00		1.0	0.38	ug/L			10/10/20 17:56	- 4
* 50/45 CD	2.0	U	2.0	0.65	ug/L			10/10/20 17:56	
Surrogate	%Recovery	Onalifiae	45.40					10120 11.56	1
1,2-Dichloroethane-d4 (Surr)	104	equalities.	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		75-123					10/10/20 17:56	7
Dibromofluoromethana (Surr)	107		76 - 120					10/10/20 17:56	
Toluene-d8 (Surr)	106		77-124						- 4
Torderie-da (Sult)	100		80 - 120					10/10/20 17:56	7

Andreas 8270D - Semiv	olatile Organic C	ompound	s (GC/MS)						
Analyte	Resul	t Qualifier	RL	MDI	Unit	D	Daniera V	200	
2-Methylnaphthalene	10	U	10	1.1	- to be a constant	U	Prepared	Analyzed	DII Fac
Acenaphthene	10	o u	10	7.1	ug/L		10/10/20 09:33	The second second	
Acensohthylene	30	U	10		ug/L		10/10/20 09:33		*
Anthracene	10			0.82			10/10/20 09:33	The second secon	1
Benzo[a]anthracene	1.0		10	0.63	ug/L		10/10/20 09:33	10/10/20 22:37	9
Benzo[a]pyrene	1.6		1.0	0.59	ug/L		10/10/20 09:33		1
Benzo[b]fluoranthene			1.0	0.41	ug/L		10/10/20 09:33	10/10/20 22:37	4
Benzo[g,h,l]perylene	2.0		2.0	0.68	µg/L		10/10/20 09:33		
Benzo(k)fluoranthene	10		10	1.4	ug/L		10/10/20 09:33	10/10/20 22:37	
Chrysene	1.0		1.0	0.67	ug/L		10/10/20 09:33	10/10/20 22:37	4
Dibenz(a,h)anthracene	2.0		2.0	0.91	ug/L		10/10/20 09:33	10/10/20 22:37	4.
Fluoranthene	1.0		1.0	0.72	ug/L		10/10/20 09:33	10/10/20 22:37	
Fluorene	10	U.	10	0.84	ug/L		10/10/20 09:33		1
	10	U	10	200	ug/L		10/10/20 09:33	10/10/20 22:37	1
Indeno(1,2,3-cd)pyrone	2.0	U	2.0	1000	ug/L			10/10/20 22:37	1
Naphthalene	2.0	U.	2.0	200	ug/L		10/10/20 09:33	10/10/20 22:37	1
Phenanthrene	10	U	10	0.58			10/10/20 09:33	10/10/20 22:37	1
Pyreno	10	U	10	345.50	1.654		10/10/20 09:33	10/10/20 22:37	1
		7.0	1.47	1.5	ug/L		0/10/20 09:33	10/10/20 22:37	1
Surrogate	%Recovery	Qualifier	Limits				2		
-Fluorobiphenyl	87		42-127				Prepared	Analyzed	Dil Fac
Vitrobenzene-d5 (Surr)	88		46 - 137				0/10/20 09:33	10/10/20 22:37	1
							et da de la companya		

Eurofins TestAmerica, Edison 10/14/2020

10/10/20 09:33 10/10/20 22:37

46-137

### TestAmerica New York City

47-32 32nd Place Suite 1141

TOSTIMATORICANA SAME	TestAmerica Laboratories, Inc.	COO No.	COC NO.	1 of 1 COCs		Cempler.	For Lab Use Only:	Welk-in Client:
70		Cal 2 101	Date: 12 0 0	Carrier: Test America				
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Chain	Odn C DW C NbD	Project Manager: Chris Morris	Tellfav- (824) 720,0000	inches (too) was too.	Analysis Tumaround Time	D CALENDAR DAYS D WORKING DAYS	TAT I different from Barner .	District Control of the Control of t
ica New York City cos y, NY 11101-2425	Ottoms Daniers	CHEMI CONGICE	Is Inc. P.C.	Auto	200	Ign, NY 11746	Phone 0	FAX

Client Contact	Declare 86s	Management Of the state of		1	The second second	IL MUSON	Li Opper.		lestAmerica Laboratories, Inc.
GEI Consultante Inc. P.C.	Toject menager Chris Morrie	neger. Ch	IS MOTTHS.		Site	Confect	Site Contact: Mike Quinlan	Date: 10 6 20	COC No:
1000 New York Ave	1007-502 (031) 705-2367	31 793-23	1		Lab	Contact	Lab Contact: Melisse Heas	Carrier: Test America	1 of 1 COCs
AND LINE STORY		Analysis Tumaro		und Time		a			Sampler
n, NY 11746	CALENDAR DAYS	ROAMS	E WOR	WORKING DAYS					For Lab Use Only:
(631) 760 - 8301 FAX	TATIL	TAT if different from Below	one standard	Divid Control		( te /			Welk-in Client:
Project Name: National Grid Hempelead Intersection Site Downstate Former MGP Site	00	2 days	1 2						Lab Sampling
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Sample Identification	Sample Date	Sample	Sample Type (C-Comp. 0-Comp.	Matrix	E Septembly	BTEX 8260	30 stating		Sample Sparific Notes
78,006,20	10 6 29	ì	9	GW	1	X			The special region
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			HSILE	I	F			460-220057 Chain of Custody	Custody
			Y.	-	-	-			
			1	1	F	F			
					-	-			
Preservation Used: 1= Ice, 2= HCl; 3= H28O4; 4=HNO3;	3; S=NaOH; 6= Other	Officer	1	1	1	1	-		
Possible Hazard Identification:  Are any samples from a lieted EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section If the lab is to dispose of the sample.	ease List any EP	A Waste C	odes for Ih	sample.	1	mple Dis	posal ( A fee ma)	Semple Disposal ( A fee may be assessed if semples are retained longer than 1 month	Whed longer than 1 month)
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*Periel Instructional C. Requirements & Comments:	11	11				-		1	Ponds

		Cooler Terro, (*C): Obeld:	Cores	Therine ID Me
Company: GEI C	onsultants Inc.   Date/Time:	Received by:	Company	Date/Wing/ 0.0
Meaning	10/1/2 Bate/Time.	Required by:	Corposay	Date/Time
Company:	Date/Time:	Received in Laboratory by:	Company C V	Data/Tana



Site: Downstate OMM Hempstead
Laboratory: Eurofins Test America, Edison, NJ
Report Numbers: 460-228969-1 and 460-229075-1
Reviewer: Elissa McDonagh/GEI Consultants

**Date:** March 11, 2021

### **Samples Reviewed and Evaluation Summary**

FIELD ID	LAB ID	FRACTIONS VALIDATED
TB030121	460-228969-1	BTEX
HIMW-28S	460-228969-2	BTEX, PAH
HIMW-28I	460-228969-3	BTEX, PAH
FB030121	460-228969-4	BTEX, PAH
DUP-01	460-228969-5	BTEX, PAH
HIMW-08S	460-228969-6	BTEX, PAH
HIMW-08I	460-228969-7	BTEX, PAH
HIMW-27S	460-228969-8	BTEX, PAH
HIMW-27I	460-228969-9	BTEX, PAH
TB030221	460-229075-1	BTEX
HIMW-25	460-229075-2	BTEX, PAH
HIMW-24	460-229075-3	BTEX, PAH
HIMW-20S	460-229075-4	BTEX, PAH
HIMW-20I	460-229075-5	BTEX, PAH
HIMW-08D	460-229075-6	BTEX, PAH

### **Associated QC Samples:**

Trip Blank: TB030121, TB030221

Field Blank: FB030121

Field Duplicate pair: HIMW-28I/DUP-01

The above-listed aqueous samples, field blank, and trip blank samples were collected on March 1 and 2, 2021 and were analyzed for BTEX volatile organic compounds (VOCs) by SW-846 method 8260D and polynuclear aromatic hydrocarbon (PAH) semivolatile organic compounds (SVOCs) by SW-846 method 8270E.

The data validation was performed based on the Standard Operating Procedure (SOP) HW-33 (Revision 3) *Low/Medium Volatile Data Validation* (March 2013) and SOP HW-35 (Revision 2) *Semivolatile Data Validation* (March 2013) as well as by the methods referenced by the data package and professional and technical judgment.

The data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Initial and Continuing Calibrations
- Blanks

Report Numbers: 460-228969-1 and 460-229075-1

Date: March 11, 2021

- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Internal Standard Results
- Laboratory Control Sample (LCS) Results
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

All results appear usable as reported or usable with minor qualification due to calibration nonconformances, surrogate recovery outliers, MS/MSD recovery outliers, and uncertainty for levels below the reporting limit. These results were considered valid; even though some were qualified as discussed below.

The validation findings were based on the following information.

### **Data Completeness**

The data packages were complete as received by the laboratory.

### **Holding Times and Sample Preservation**

All hold time and sample preservation criteria were met.

### **Initial and Continuing Calibrations**

All initial and continuing calibration criteria were met except where noted below.

Instrument/ Calibration Standard	Compound	Calibration Exceedance	Validation Qualifier
		SVOC	
CBNAMS14 CCVIS 460- 762599/2 03/05/2021 07:21	Benzo[g,h,i]perylene	20.3 %R	Estimate (UJ) the nondetect result for benzo[g,h,i]perylene in the associated sample.
Associated samples:	Associated samples: DUP-01		
CBNAMS16	Indeno(123cd)pyrene	69.4 %R	Estimate (UJ) the nondetect results for
CCVIS 460- 762333/2	Dibenz(ah)anthracene	62.3 %R	indeno(123cd)pyrene, dibenz(ah)anthracene and
03/04/2021 08:55	Benzo[g,h,i]perylene	61.8 %R	benzo[g,h,i]perylene in the associated samples.
Associated samples:	HIMW-28S, HIMW-28I, FB030121	HIMW-08S, HIM	IW-08I, HIMW-27I
CBNAMS17	Indeno(123cd)pyrene	36.5 %R	Estimate (UJ) the nondetect results for
CCVIS 460- 762604/2	Dibenz(ah)anthracene	35.4 %R	indeno(123cd)pyrene, dibenz(ah)anthracene and
03/05/2021 07:14	Benzo[g,h,i]perylene	37.1 %R	benzo[g,h,i]perylene in the associated sample.
Associated samples:	HIMW-27S		

Report Numbers: 460-228969-1 and 460-229075-1

Date: March 11, 2021

Initial calibration (ICAL) relative standard deviation (%RSD) > 20% for VOC and SVOC; estimate (J) positive and blank-qualified (UJ) results only.

Continuing calibration (CCAL) percent difference (%D) > 20% for VOC and SVOC; estimate (J/UJ) positive and nondetect results.

Response factor (RF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

### **Blanks**

Contamination was not detected in the associated method blank samples. Contamination was not detected in the trip blank and field blank samples.

### **Surrogate Recoveries**

The following table lists the surrogate recoveries outside of the control limits and the resulting validation actions.

Sample	Surrogate	Recovery (%)	Control Limits (%)	Validation Actions
			VOCs	
TB030121	1,2-Dichloroethane-d4	139		
HIMW-28S	1,2-Dichloroethane-d4	141		
HIMW-28I	1,2-Dichloroethane-d4	129		
FB030121	1,2-Dichloroethane-d4	134		
DUP-01	1,2-Dichloroethane-d4	127	75-123	Estimate (J) the positive results in the associated VOC samples; High bias.
HIMW-08S	1,2-Dichloroethane-d4	131		associated voc samples, riigii olas.
HIMW-08I	1,2-Dichloroethane-d4	146		
HIMW-27S	1,2-Dichloroethane-d4	133		
HIMW-27I	1,2-Dichloroethane-d4	139		

### MS/MSD Results

MS/MSD analyses were performed on sample HIMW-28S for VOCs and SVOCs. All recovery and precision criteria were met, except where noted below.

			HIM	W-28S	
Analyte	MS (%)	MSD (%)	<b>RPD</b> (%)	Control Limits (%)	Validation Action/Bias
			V	ос	
Ethylbenzene	-96	-84	-	78-120/30	Validation was not required. Sample concentration greater than 4x that of the MS spiking solution.

Report Numbers: 460-228969-1 and 460-229075-1

Date: March 11, 2021

-	-	63 57	<b>49-149/30</b>	Validation actions were not required as
			49-149/30	Validation actions were not required as
-	-	57		
-	_		55-150/30	Validation actions were not required as these associated compound results were
	-	60	54-150/30	nondetect in sample HIMW-28S.
-	10	63	55-111/30	
-	25	65	60-110/30	
-	43	70	64-109/30	
-	48	58	65-109/30	
-	46	60	62-106/30	Estimate (J/UJ) the positive and/or
-	53	59	66-127/30	nondetect result for 2- methylnaphthalene, acenaphthene,
-	47	58	66-125/30	acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene,
-	51	62	64-125/30	benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene,
-	47	59	63-108/30	fluoranthene, fluorene, naphthalene,
-	48	58	65-113/30	phenanthrene and pyrene in sample HIMW-28S; Indeterminate bias.
-	38	62	65-111/30	
-	-91	64	58-105/30	
-	35	66	65-108/30	
-	48	64	54-114/30	
	- - - -	- 43 - 48 - 46 - 53 - 47 - 51 - 47 - 48 - 38 91 - 35	- 43 70 - 48 58 - 46 60 - 53 59 - 47 58 - 51 62 - 47 59 - 48 58 - 38 62 - 91 64 - 35 66	-     43     70     64-109/30       -     48     58     65-109/30       -     46     60     62-106/30       -     53     59     66-127/30       -     47     58     66-125/30       -     51     62     64-125/30       -     47     59     63-108/30       -     48     58     65-113/30       -     38     62     65-111/30       -     -91     64     58-105/30       -     35     66     65-108/30

### **Internal Standard Results**

All internal standard criteria were met except where noted below.

VOC internal standard (ISTD) response for 2-Butanone-d5 for the following samples was outside acceptance criteria: HIMW-24 (460-229075-3) and HIMW-20S (460-229075-4). This ISTD does not correspond to any of the requested target compounds, therefore no action was required.

### **LCS Results**

All recovery and precision criteria were met, except where noted below.

Report Numbers: 460-228969-1 and 460-229075-1

Date: March 11, 2021

Compound	LCS (%)	LCSD (%)	Control Limits (%)	LCS ID/Associated samples	Validation Action/Bias
				SVOCs	
Phenanthrene	-	109	65-108	LCS 460-762668/2-A/LCSD 460-762668/3-A: HIMW-25, HIMW-24, HIMW-20S, HIMW-20I, HIMW-08D	Phenanthrene was not detected in the associated samples. Qualifications were not required.
- Criteria met					

### **Field Duplicate Results**

Samples HIMW-28I and DUP-01 were submitted as the field duplicate pair with this sample group. All results were nondetect in these samples. Precision was deemed acceptable, no action required.

### **Quantitation Limits and Data Assessment**

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). These results were qualified as estimated (J) by the laboratory.

### **Sample Quantitation and Compound Identification**

Calculations were spot-checked; no discrepancies were noted.

Report Numbers: 460-228969-1 and 460-229075-1

Date: March 11, 2021

### DATA VALIDATION QUALIFIERS

- U The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.
- UJ The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.
- NJ The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.
- R Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

Client: GEI Consultants, Inc. Job ID: 460-228969-1

Project/Site: National Grid - Downstate OMM Hempstead

Client Sample ID: TB030121

Lab Sample ID: 460-228969-1

Date Collected: 03/01/21 00:00 **Matrix: Water** Date Received: 03/01/21 17:30

Method: 8260D - Vola	atile Organic Compo	unds by G	s by GC/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/03/21 22:08	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/03/21 22:08	1
Toluene	1.0	U	1.0	0.38	ug/L			03/03/21 22:08	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/03/21 22:08	1
Surrogato	%/Pagayany	Qualifier	Limita				Branarad	Analyzad	Dil Ess

	Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
	1,2-Dichloroethane-d4 (Surr)	139	*	75 - 123	_		03/03/21 22:08	1
	4-Bromofluorobenzene	103		76 - 120			03/03/21 22:08	1
	Dibromofluoromethane (Surr)	112		77 - 124			03/03/21 22:08	1
İ	Toluene-d8 (Surr)	100		80 - 120			03/03/21 22:08	1

Client Sample ID: HIMW-28S Lab Sample ID: 460-228969-2

Date Collected: 03/01/21 08:05 Date Received: 03/01/21 17:30

Surrogate

2-Fluorobiphenyl

Nitrobenzene-d5 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS Analyte Result Qualifier RL **MDL** Unit D Dil Fac Prepared Analyzed 1.0 0.20 ug/L 03/04/21 00:24 **Benzene** 3.6 J 1

Ethylbenzene 160 J 1.0 0.30 ug/L 03/04/21 00:24 0.38 ug/L 03/04/21 00:24 1.0 **Toluene** 3.2 2.0 **Xylenes, Total** 15 0.65 ug/L 03/04/21 00:24

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	141	*	75 - 123		03/04/21 00:24	1
4-Bromofluorobenzene	95		76 - 120		03/04/21 00:24	1
Dibromofluoromethane (Surr)	110		77 - 124		03/04/21 00:24	1
Toluene-d8 (Surr)			80 - 120		03/04/21 00:24	1

Method: 8270E - Semivolatile O	rganic Compou	nds (GC/MS)		
Toluene-d8 (Surr)	97	80 - 120	03/04/21 00:24	!
Dibromofluoromethane (Surr)	110	77 - 124	03/04/21 00:24	1
4-Bromofluorobenzene	95	76 - 120	03/04/21 00:24	1
1,2 Biomorodinano a 1 (Gan)		70-720	00/0 // 2 / 00/2 /	

Analyte	Result	Qual	ifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	54	J		50	2.6	ug/L		03/03/21 09:34	03/04/21 12:31	5
Acenaphthene	24	<b>J</b> J		50	5.4	ug/L		03/03/21 09:34	03/04/21 12:31	5
Acenaphthylene	50	U	JJ	50	4.1	ug/L		03/03/21 09:34	03/04/21 12:31	5
Anthracene	50	U	JJ	50	6.5	ug/L		03/03/21 09:34	03/04/21 12:31	5
Benzo[a]anthracene	5.0	U (	JJ	5.0	3.0	ug/L		03/03/21 09:34	03/04/21 12:31	5
Benzo[a]pyrene	5.0	U	UJ	5.0	2.0	ug/L		03/03/21 09:34	03/04/21 12:31	5
Benzo[b]fluoranthene	10	U	JJ	10	3.4	ug/L		03/03/21 09:34	03/04/21 12:31	5
Benzo[g,h,i]perylene	50	U	UJ	50	3.5	ug/L		03/03/21 09:34	03/04/21 12:31	5
Benzo[k]fluoranthene	5.0	U (	JJ	5.0	3.4	ug/L		03/03/21 09:34	03/04/21 12:31	5
Chrysene	50	U	JJ	50	4.5	ug/L		03/03/21 09:34	03/04/21 12:31	5
Dibenz(a,h)anthracene	5.0	U	JJ	5.0	3.6	ug/L		03/03/21 09:34	03/04/21 12:31	5
Fluoranthene	50	U	JJ	50	4.2	ug/L		03/03/21 09:34	03/04/21 12:31	5
Fluorene	18	J	J	50	4.6	ug/L		03/03/21 09:34	03/04/21 12:31	5
Indeno[1,2,3-cd]pyrene	10	U	UJ	10	4.7	ug/L		03/03/21 09:34	03/04/21 12:31	5
Naphthalene	230		J	10	2.7	ug/L		03/03/21 09:34	03/04/21 12:31	5
Phenanthrene	17	J	J	50	6.4	ug/L		03/03/21 09:34	03/04/21 12:31	5
Pyrene	50	U	ŪJ	50	8.2	ug/L		03/03/21 09:34	03/04/21 12:31	5

Limits

42 - 127

46 - 137

%Recovery Qualifier

68

75

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03/05/2021

Analyzed

Dil Fac

5

Prepared

03/03/21 09:34 03/04/21 12:31

03/03/21 09:34 03/04/21 12:31

**Matrix: Water** 

1

1

EMM 3/8/2021 Page 10 of 1155

Client: GEI Consultants, Inc. Job ID: 460-228969-1

Project/Site: National Grid - Downstate OMM Hempstead

Client Sample ID: HIMW-28S

Lab Sample ID: 460-228969-2 Date Collected: 03/01/21 08:05

**Matrix: Water** 

Date Received: 03/01/21 17:30

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

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac Terphenyl-d14 (Surr) 39 - 150 57

Client Sample ID: HIMW-28I Lab Sample ID: 460-228969-3

Date Collected: 03/01/21 09:00 **Matrix: Water** 

Date Received: 03/01/21 17:30

Method: 8260D -	volatile Organic Compounds by GC/MS		
Analyte	Result Qualifier	RL	MDL Unit

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/04/21 00:46	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/04/21 00:46	1
Toluene	1.0	U	1.0	0.38	ug/L			03/04/21 00:46	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/04/21 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	129	*	75 - 123		03/04/21 00:46	1
4-Bromofluorobenzene	89		76 - 120		03/04/21 00:46	1
Dibromofluoromethane (Surr)	107		77 - 124		03/04/21 00:46	1
Toluene-d8 (Surr)	97		80 - 120	(	03/04/21 00:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/03/21 09:34	03/04/21 12:10	1
Acenaphthene	10	U	10	1.1	ug/L		03/03/21 09:34	03/04/21 12:10	1
Acenaphthylene	10	U	10	0.82	ug/L		03/03/21 09:34	03/04/21 12:10	1
Anthracene	10	U	10	1.3	ug/L		03/03/21 09:34	03/04/21 12:10	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/03/21 09:34	03/04/21 12:10	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/03/21 09:34	03/04/21 12:10	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/03/21 09:34	03/04/21 12:10	1
Benzo[g,h,i]perylene	10	U <mark>UJ</mark>	10	0.70	ug/L		03/03/21 09:34	03/04/21 12:10	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/03/21 09:34	03/04/21 12:10	1
Chrysene	10	U	10	0.91	ug/L		03/03/21 09:34	03/04/21 12:10	1
Dibenz(a,h)anthracene	1.0	u UJ	1.0	0.72	ug/L		03/03/21 09:34	03/04/21 12:10	1
Fluoranthene	10	U	10	0.84	ug/L		03/03/21 09:34	03/04/21 12:10	1
Fluorene	10	U	10	0.91	ug/L		03/03/21 09:34	03/04/21 12:10	1
Indeno[1,2,3-cd]pyrene	2.0	U <mark>UJ</mark>	2.0	0.94	ug/L		03/03/21 09:34	03/04/21 12:10	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/03/21 09:34	03/04/21 12:10	1
Phenanthrene	10	U	10	1.3	ug/L		03/03/21 09:34	03/04/21 12:10	1
Pyrene	10	U	10	1.6	ug/L		03/03/21 09:34	03/04/21 12:10	1

Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	71	42 - 127	03/03/21 09:34	03/04/21 12:10	1
Nitrobenzene-d5 (Surr)	79	46 - 137	03/03/21 09:34	03/04/21 12:10	1
Terphenyl-d14 (Surr)	75	39 - 150	03/03/21 09:34	03/04/21 12:10	1

Client Sample ID: FB030121

Lab Sample ID: 460-228969-4 Date Collected: 03/01/21 09:10

Date Received: 03/01/21 17:30

Method: 8260D - Volatile Organic Compounds by GC/MS							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Benzene	10 U	1.0	0.20 ug/l			03/03/21 21:45	

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**Matrix: Water** 

Client: GEI Consultants, Inc. Job ID: 460-228969-1

Project/Site: National Grid - Downstate OMM Hempstead

Client Sample ID: FB030121

Nitrobenzene-d5 (Surr)

Terphenyl-d14 (Surr)

Lab Sample ID: 460-228969-4

Date Collected: 03/01/21 09:10 **Matrix: Water** Date Received: 03/01/21 17:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/03/21 21:45	1
Toluene	1.0	U	1.0	0.38	ug/L			03/03/21 21:45	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/03/21 21:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	134	*	75 - 123					03/03/21 21:45	1
4-Bromofluorobenzene	82		76 - 120					03/03/21 21:45	1
Dibromofluoromethane (Surr)	116		77 - 124					03/03/21 21:45	1
Toluene-d8 (Surr)	87		80 - 120					03/03/21 21:45	1
Method: 8270E - Semivolat	tile Organic Co	mpounds	(GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/03/21 09:34	03/04/21 13:35	1
Acenaphthene	10	U	10	1.1	ug/L		03/03/21 09:34	03/04/21 13:35	1
Acenaphthylene	10	U	10	0.82	ug/L		03/03/21 09:34	03/04/21 13:35	1
Anthracene	10	U	10	1.3	ug/L		03/03/21 09:34	03/04/21 13:35	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/03/21 09:34	03/04/21 13:35	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/03/21 09:34	03/04/21 13:35	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/03/21 09:34	03/04/21 13:35	1
Benzo[g,h,i]perylene	10	U UJ	10	0.70	ug/L		03/03/21 09:34	03/04/21 13:35	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/03/21 09:34	03/04/21 13:35	1
Chrysene	10	U	10	0.91	ug/L		03/03/21 09:34	03/04/21 13:35	1
Dibenz(a,h)anthracene	1.0	U UJ	1.0	0.72	ug/L		03/03/21 09:34	03/04/21 13:35	1
Fluoranthene	10	U	10	0.84	ug/L		03/03/21 09:34	03/04/21 13:35	1
Fluorene	10	U	10	0.91	ug/L		03/03/21 09:34	03/04/21 13:35	1
Indeno[1,2,3-cd]pyrene	2.0	U <mark>UJ</mark>	2.0	0.94	ug/L		03/03/21 09:34	03/04/21 13:35	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/03/21 09:34	03/04/21 13:35	1
Phenanthrene	10	U	10	1.3	ug/L		03/03/21 09:34	03/04/21 13:35	1
Pyrene	10	U	10	1.6	ug/L		03/03/21 09:34	03/04/21 13:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	47		42 - 127				03/03/21 09:34	03/04/21 13:35	1

**Client Sample ID: DUP-01** Lab Sample ID: 460-228969-5 Date Collected: 03/01/21 00:00 **Matrix: Water** 

46 - 137

39 - 150

64

114

Date Received: 03/01/21 17:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/04/21 01:09	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/04/21 01:09	1
Toluene	1.0	U	1.0	0.38	ug/L			03/04/21 01:09	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/04/21 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	127	*	75 - 123					03/04/21 01:09	1
4-Bromofluorobenzene	90		76 - 120					03/04/21 01:09	1
Dibromofluoromethane (Surr)	104		77 - 124					03/04/21 01:09	1
Toluene-d8 (Surr)	105		80 - 120					03/04/21 01:09	

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03/03/21 09:34 03/04/21 13:35

03/03/21 09:34 03/04/21 13:35

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1

Client: GEI Consultants, Inc. Job ID: 460-228969-1

Project/Site: National Grid - Downstate OMM Hempstead

Client Sample ID: DUP-01 Lab Sample ID: 460-228969-5

Date Collected: 03/01/21 00:00 Matrix: Water Date Received: 03/01/21 17:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/04/21 15:24	03/05/21 09:15	1
Acenaphthene	10	U	10	1.1	ug/L		03/04/21 15:24	03/05/21 09:15	1
Acenaphthylene	10	U	10	0.82	ug/L		03/04/21 15:24	03/05/21 09:15	1
Anthracene	10	U	10	1.3	ug/L		03/04/21 15:24	03/05/21 09:15	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/04/21 15:24	03/05/21 09:15	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/04/21 15:24	03/05/21 09:15	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/04/21 15:24	03/05/21 09:15	1
Benzo[g,h,i]perylene	10	U UJ	10	0.70	ug/L		03/04/21 15:24	03/05/21 09:15	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/04/21 15:24	03/05/21 09:15	1
Chrysene	10	U	10	0.91	ug/L		03/04/21 15:24	03/05/21 09:15	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/04/21 15:24	03/05/21 09:15	1
Fluoranthene	10	U	10	0.84	ug/L		03/04/21 15:24	03/05/21 09:15	1
Fluorene	10	U	10	0.91	ug/L		03/04/21 15:24	03/05/21 09:15	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/04/21 15:24	03/05/21 09:15	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/04/21 15:24	03/05/21 09:15	1
Phenanthrene	10	U	10	1.3	ug/L		03/04/21 15:24	03/05/21 09:15	1
Pyrene	10	U	10	1.6	ug/L		03/04/21 15:24	03/05/21 09:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		42 - 127				03/04/21 15:24	03/05/21 09:15	1
Nitrobenzene-d5 (Surr)	104		46 - 137				03/04/21 15:24	03/05/21 09:15	1
Terphenyl-d14 (Surr)	115		39 - 150				03/04/21 15:24	03/05/21 09:15	1

Client Sample ID: HIMW-08S Lab Sample ID: 460-228969-6

Date Collected: 03/01/21 12:05 Date Received: 03/01/21 17:30

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Method: 8260D - Volatile O	rganic Compo	unds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.89	J	1.0	0.20	ug/L			03/04/21 01:32	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/04/21 01:32	1
Toluene	1.0	U	1.0	0.38	ug/L			03/04/21 01:32	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/04/21 01:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	131	*	75 - 123			_		03/04/21 01:32	1
4-Bromofluorobenzene	94		76 - 120					03/04/21 01:32	1

77 - 124

80 - 120

108

104

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/03/21 09:34	03/04/21 18:50	1
Acenaphthene	10	U	10	1.1	ug/L		03/03/21 09:34	03/04/21 18:50	1
Acenaphthylene	10	U	10	0.82	ug/L		03/03/21 09:34	03/04/21 18:50	1
Anthracene	10	U	10	1.3	ug/L		03/03/21 09:34	03/04/21 18:50	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/03/21 09:34	03/04/21 18:50	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/03/21 09:34	03/04/21 18:50	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/03/21 09:34	03/04/21 18:50	1
Benzo[g,h,i]perylene	10	U UJ	10	0.70	ug/L		03/03/21 09:34	03/04/21 18:50	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/03/21 09:34	03/04/21 18:50	1

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03/05/2021

03/04/21 01:32

03/04/21 01:32

**Matrix: Water** 

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Client: GEI Consultants, Inc. Job ID: 460-228969-1

Project/Site: National Grid - Downstate OMM Hempstead

Client Sample ID: HIMW-08S

Lab Sample ID: 460-228969-6 Date Collected: 03/01/21 12:05

**Matrix: Water** 

**Matrix: Water** 

Date Received: 03/01/21 17:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	10	U	10	0.91	ug/L		03/03/21 09:34	03/04/21 18:50	1
Dibenz(a,h)anthracene	1.0	U <mark>UJ</mark>	1.0	0.72	ug/L		03/03/21 09:34	03/04/21 18:50	1
Fluoranthene	10	U	10	0.84	ug/L		03/03/21 09:34	03/04/21 18:50	1
Fluorene	10	U	10	0.91	ug/L		03/03/21 09:34	03/04/21 18:50	1
Indeno[1,2,3-cd]pyrene	2.0	U <mark>UJ</mark>	2.0	0.94	ug/L		03/03/21 09:34	03/04/21 18:50	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/03/21 09:34	03/04/21 18:50	1
Phenanthrene	10	U	10	1.3	ug/L		03/03/21 09:34	03/04/21 18:50	1
Pyrene	10	U	10	1.6	ug/L		03/03/21 09:34	03/04/21 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	67		42 - 127				03/03/21 09:34	03/04/21 18:50	1
Nitrobenzene-d5 (Surr)	90		46 - 137				03/03/21 09:34	03/04/21 18:50	1
Terphenyl-d14 (Surr)	92		39 - 150				03/03/21 09:34	03/04/21 18:50	1

Client Sample ID: HIMW-081 Lab Sample ID: 460-228969-7

Date Collected: 03/01/21 13:05 Date Received: 03/01/21 17:30

Organic Compo	unds by GC/	MS						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1.0	U	1.0	0.20	ug/L			03/04/21 01:54	1
1.0	U	1.0	0.30	ug/L			03/04/21 01:54	1
1.0	U	1.0	0.38	ug/L			03/04/21 01:54	1
2.0	U	2.0	0.65	ug/L			03/04/21 01:54	1
	Result 1.0 1.0 1.0		1.0 U 1.0 1.0 U 1.0 1.0 U 1.0	Result         Qualifier         RL         MDL           1.0         U         1.0         0.20           1.0         U         1.0         0.30           1.0         U         1.0         0.38	Result         Qualifier         RL         MDL         Unit           1.0         U         1.0         0.20         ug/L           1.0         U         1.0         0.30         ug/L           1.0         U         1.0         0.38         ug/L	Result         Qualifier         RL         MDL         Unit         D           1.0         U         1.0         0.20         ug/L           1.0         U         1.0         0.30         ug/L           1.0         U         1.0         0.38         ug/L	Result         Qualifier         RL         MDL unit         D ug/L         Prepared           1.0         U         1.0         0.20 ug/L         ug/L           1.0         U         1.0         0.30 ug/L           1.0         U         1.0         0.38 ug/L	Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed           1.0         U         1.0         0.20         ug/L         03/04/21 01:54           1.0         U         1.0         0.30         ug/L         03/04/21 01:54           1.0         U         1.0         0.38         ug/L         03/04/21 01:54

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	146	*	75 - 123		03/04/21 01:54	1
4-Bromofluorobenzene	93		76 - 120		03/04/21 01:54	1
Dibromofluoromethane (Surr)	120		77 - 124		03/04/21 01:54	1
Toluene-d8 (Surr)	99		80 - 120		03/04/21 01:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/03/21 09:34	03/04/21 14:17	1
Acenaphthene	10	U	10	1.1	ug/L		03/03/21 09:34	03/04/21 14:17	1
Acenaphthylene	10	U	10	0.82	ug/L		03/03/21 09:34	03/04/21 14:17	1
Anthracene	10	U	10	1.3	ug/L		03/03/21 09:34	03/04/21 14:17	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/03/21 09:34	03/04/21 14:17	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/03/21 09:34	03/04/21 14:17	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/03/21 09:34	03/04/21 14:17	1
Benzo[g,h,i]perylene	10	U UJ	10	0.70	ug/L		03/03/21 09:34	03/04/21 14:17	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/03/21 09:34	03/04/21 14:17	1
Chrysene	10	U	10	0.91	ug/L		03/03/21 09:34	03/04/21 14:17	1
Dibenz(a,h)anthracene	1.0	U <mark>UJ</mark>	1.0	0.72	ug/L		03/03/21 09:34	03/04/21 14:17	1
Fluoranthene	10	U	10	0.84	ug/L		03/03/21 09:34	03/04/21 14:17	1
Fluorene	10	U	10	0.91	ug/L		03/03/21 09:34	03/04/21 14:17	1
Indeno[1,2,3-cd]pyrene	2.0	U <mark>UJ</mark>	2.0	0.94	ug/L		03/03/21 09:34	03/04/21 14:17	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/03/21 09:34	03/04/21 14:17	1
Phenanthrene	10	U	10	1.3	ug/L		03/03/21 09:34	03/04/21 14:17	1
Pyrene	10	U	10	1.6	ug/L		03/03/21 09:34	03/04/21 14:17	1

Eurofins TestAmerica, Edison

Client: GEI Consultants, Inc. Job ID: 460-228969-1

Project/Site: National Grid - Downstate OMM Hempstead

Client Sample ID: HIMW-08I

Lab Sample ID: 460-228969-7 Date Collected: 03/01/21 13:05

**Matrix: Water** 

Date Received: 03/01/21 17:30

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	95	42 - 127	03/03/21 09:34	03/04/21 14:17	1
Nitrobenzene-d5 (Surr)	107	46 - 137	03/03/21 09:34	03/04/21 14:17	1
Terphenyl-d14 (Surr)	97	39 - 150	03/03/21 09:34	03/04/21 14:17	1

**Client Sample ID: HIMW-27S** 

Lab Sample ID: 460-228969-8 Date Collected: 03/01/21 09:00

**Matrix: Water** Date Received: 03/01/21 17:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9.3	J	2.0	0.41	ug/L			03/04/21 02:40	2
Ethylbenzene	440	J	2.0	0.60	ug/L			03/04/21 02:40	2
Toluene	14	J	2.0	0.76	ug/L			03/04/21 02:40	2
Xylenes, Total	410	J	4.0	1.3	ug/L			03/04/21 02:40	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	133	*	75 - 123					03/04/21 02:40	2
4-Bromofluorobenzene	97		76 - 120					03/04/21 02:40	2
Dibromofluoromethane (Surr)	104		77 - 124					03/04/21 02:40	2
Toluene-d8 (Surr)	111		80 - 120					03/04/21 02:40	2

Toluerie-do (Surr)	111		00 - 120					03/04/21 02.40	2
Method: 8270E - Semivo	latile Organic Co	mpounds	(GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	290		100	5.3	ug/L		03/03/21 09:34	03/05/21 10:40	10
Acenaphthene	84	J	100	11	ug/L		03/03/21 09:34	03/05/21 10:40	10
Acenaphthylene	100	U	100	8.2	ug/L		03/03/21 09:34	03/05/21 10:40	10
Anthracene	100	U	100	13	ug/L		03/03/21 09:34	03/05/21 10:40	10
Benzo[a]anthracene	10	U	10	5.9	ug/L		03/03/21 09:34	03/05/21 10:40	10
Benzo[a]pyrene	10	U	10	4.1	ug/L		03/03/21 09:34	03/05/21 10:40	10
Benzo[b]fluoranthene	20	U	20	6.8	ug/L		03/03/21 09:34	03/05/21 10:40	10
Benzo[g,h,i]perylene	100	U <mark>UJ</mark>	100	7.0	ug/L		03/03/21 09:34	03/05/21 10:40	10
Benzo[k]fluoranthene	10	U	10	6.7	ug/L		03/03/21 09:34	03/05/21 10:40	10
Chrysene	100	U	100	9.1	ug/L		03/03/21 09:34	03/05/21 10:40	10
Dibenz(a,h)anthracene	10	U <mark>UJ</mark>	10	7.2	ug/L		03/03/21 09:34	03/05/21 10:40	10
Fluoranthene	100	U	100	8.4	ug/L		03/03/21 09:34	03/05/21 10:40	10
Fluorene	38	J	100	9.1	ug/L		03/03/21 09:34	03/05/21 10:40	10
Indeno[1,2,3-cd]pyrene	20	U UJ	20	9.4	ug/L		03/03/21 09:34	03/05/21 10:40	10
Naphthalene	1100		20	5.4	ug/L		03/03/21 09:34	03/05/21 10:40	10
Phenanthrene	40	J	100	13	ug/L		03/03/21 09:34	03/05/21 10:40	10
Pyrene	100	U	100	16	ug/L		03/03/21 09:34	03/05/21 10:40	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	61		42 - 127				03/03/21 09:34	03/05/21 10:40	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	61		42 - 127	03/03/21 09:34	03/05/21 10:40	10
Nitrobenzene-d5 (Surr)	87		46 - 137	03/03/21 09:34	03/05/21 10:40	10
Terphenyl-d14 (Surr)	93		39 - 150	03/03/21 09:34	03/05/21 10:40	10

Client: GEI Consultants, Inc. Job ID: 460-228969-1

Project/Site: National Grid - Downstate OMM Hempstead

Client Sample ID: HIMW-27I

Terphenyl-d14 (Surr)

Lab Sample ID: 460-228969-9 Date Collected: 03/01/21 11:35

**Matrix: Water** 

Method: 8260D - Volatile O Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0		1.0	0.20	ug/L	— –		03/04/21 02:17	1
Ethylbenzene	0.35	J	1.0		ug/L			03/04/21 02:17	1
Toluene	1.0	U	1.0	0.38	ug/L			03/04/21 02:17	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/04/21 02:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	139	*	75 - 123					03/04/21 02:17	1
4-Bromofluorobenzene	90		76 - 120					03/04/21 02:17	1
Dibromofluoromethane (Surr)	113		77 - 124					03/04/21 02:17	1
Toluene-d8 (Surr)	90		80 - 120					03/04/21 02:17	1
			(00/110)						
Method: 8270E - Semivolate Analyte		mpounds Qualifier	(GC/MS) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	1.5		10	0.53		— <u> </u>	03/03/21 09:34	03/04/21 19:10	
Acenaphthene	10		10	1.1	ug/L		03/03/21 09:34	03/04/21 19:10	
Acenaphthylene	10	U	10		ug/L		03/03/21 09:34	03/04/21 19:10	1
Anthracene	10	U	10		ug/L		03/03/21 09:34	03/04/21 19:10	1
Benzo[a]anthracene	1.0	U	1.0		ug/L		03/03/21 09:34	03/04/21 19:10	1
Benzo[a]pyrene	1.0	U	1.0		-		03/03/21 09:34	03/04/21 19:10	1
Benzo[b]fluoranthene	2.0	U	2.0		ug/L		03/03/21 09:34	03/04/21 19:10	1
Benzo[g,h,i]perylene	10	U UJ	10		ug/L		03/03/21 09:34	03/04/21 19:10	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/03/21 09:34	03/04/21 19:10	1
Chrysene	10	U	10	0.91	ug/L		03/03/21 09:34	03/04/21 19:10	1
Dibenz(a,h)anthracene	1.0	U <mark>UJ</mark>	1.0	0.72	ug/L		03/03/21 09:34	03/04/21 19:10	1
Fluoranthene	10	U	10	0.84	ug/L		03/03/21 09:34	03/04/21 19:10	1
Fluorene	10	U	10	0.91	ug/L		03/03/21 09:34	03/04/21 19:10	1
Indeno[1,2,3-cd]pyrene	2.0	U <mark>UJ</mark>	2.0	0.94	ug/L		03/03/21 09:34	03/04/21 19:10	1
Naphthalene	0.86	J	2.0	0.54	ug/L		03/03/21 09:34	03/04/21 19:10	1
	10	U	10	1.3	ug/L		03/03/21 09:34	03/04/21 19:10	1
Phenanthrene		11	10		ug/L		03/03/21 09:34	03/04/21 19:10	1
Phenanthrene Pyrene	10	U	• •						
	10 %Recovery		Limits				Prepared	Analyzed	Dil Fac
Pyrene							Prepared 03/03/21 09:34		Dil Fac

03/03/21 09:34 03/04/21 19:10

39 - 150

97

Form No. CA-C-WI-002, Rev. 4.11, dated 1/24/2017 256 969 TestAmerica Laboratories, Inc. りできることがのこ COCS Sample Specific Notes: as w For Lab Use Only Walk-in Client: Job / SDG No. ab Sampling: 460-228969 Chain of Custody Therm ID No. Date/Time: pale/Time: Date/Time MS COC No Sampler 8 0 0 CU Carrier: Test America Company Waday. Sample Disposal ( A fee may be assessed if sa [ Disposal by Lab Date: Temp. (°C): Obs'd Chain of Custody Record Site Contact: Tom Johansen sived in aboratory by: Lab Contact: Melissa Haas Received by Other: ☐ Return to Client Received by: X メメ X G0728 enellshingphithalene S270D ☐ RCRA (N. LY) CEMISM mones Fiftered Sample (YIN) Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the □ NPDES # of Cont. De Time Date/Time: (1) WORKING DAYS Matrix 8 Analysis Turnaround Time Regulatory Program: Dow TAT if different from Below standard Type (C=Comp, G=Grab) Project Manager: Chris Morris Company: GEI Consultants Inc. 0 2 weeks 2 days 1 week Tel/Fax: (631) 759-2967 1 day 125 1305 5021 Sample 308 010 SS 8 Preservation Used: 1= Ice, 2= HCI; 3= H2SO4; 4=HNO3; 8=NaOH; 6= Other CALENDAR DAYS Custody Seal No. P.C Company Sample Date (B) (B) 31/21 0000 Skin Irritani
Special Instructions/QC Requirements & Comments: Comments Section if the lab is to dispose of the sample SN □ Site: Downstate Hempstead Former MGP Site Project Name: National Grid GW Monitoring 71MM- 287 Sample Identification HIMM-083 180 - WEIT TestAmerica New York City Phone - NEW WITH Client Contact 303012 FAX Long Island City, NY 11101-2425 phone 347.507.0579 fax - MWIT 1503017 10.000 - 13/03/2 Possible Hazard Identification: Huntington Station, NY 11746 GEI Consultants Inc. P.C. P O# 1905774.15.3 1000 New York Ave Custody Seals Int 47-32 32nd Place (631) 760 - 9300 (631) 760 - 9301 Relinquished by: Suite 1141 Page 1153 of 1155

Client: GEI Consultants, Inc. Job ID: 460-229075-1

Project/Site: National Grid - Downstate OMM Hempstead

Method: 8260D - Volatile Organic Compounds by GC/MS

Client Sample ID: TB030221

Analyte

Benzene

Ethylbenzene

Surrogate

2-Fluorobiphenyl

Nitrobenzene-d5 (Surr)

Lab Sample ID: 460-229075-1

Result Qualifier

1.0 U

1.0 U

Date Collected: 03/02/21 00:00 **Matrix: Water** Date Received: 03/02/21 17:30

RL

1.0

1.0

**MDL** Unit

0.20 ug/L

0.30 ug/L

D

Prepared

Analyzed

03/05/21 01:43

03/05/21 01:43

Dil Fac

**Matrix: Water** 

1

•					0			
Toluene	1.0	U	1.0	0.38	ug/L		03/05/21 01:43	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L		03/05/21 01:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		75 - 123				03/05/21 01:43	1
4-Bromofluorobenzene	101		76 - 120				03/05/21 01:43	1
Dibromofluoromethane (Surr)	98		77 - 124				03/05/21 01:43	1
Toluene-d8 (Surr)	97		80 - 120				03/05/21 01:43	1

Client Sample ID: HIMW-25 Lab Sample ID: 460-229075-2

Date Collected: 03/02/21 09:40 Date Received: 03/02/21 17:30

Method: 8260D - Volatile Orga	nic Compounds by GC	C/MS	
Analyte	Result Qualifier	RL	MDL Unit

%Recovery Qualifier

42

72

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/05/21 03:01	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/05/21 03:01	1
Toluene	1.0	U	1.0	0.38	ug/L			03/05/21 03:01	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/05/21 03:01	1

Surrogate	%Recovery Qualifier	Limits	Prepared And	alyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93	75 - 123	03/05/	/21 03:01	1
4-Bromofluorobenzene	102	76 - 120	03/05	/21 03:01	1
Dibromofluoromethane (Surr)	100	77 - 124	03/05	/21 03:01	1
Toluene-d8 (Surr)	100	80 - 120	03/05	/21 03:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/05/21 10:04	03/05/21 23:50	1
Acenaphthene	10	U	10	1.1	ug/L		03/05/21 10:04	03/05/21 23:50	1
Acenaphthylene	10	U	10	0.82	ug/L		03/05/21 10:04	03/05/21 23:50	1
Anthracene	10	U	10	1.3	ug/L		03/05/21 10:04	03/05/21 23:50	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/05/21 10:04	03/05/21 23:50	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/05/21 10:04	03/05/21 23:50	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/05/21 10:04	03/05/21 23:50	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/05/21 10:04	03/05/21 23:50	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/05/21 10:04	03/05/21 23:50	1
Chrysene	10	U	10	0.91	ug/L		03/05/21 10:04	03/05/21 23:50	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/05/21 10:04	03/05/21 23:50	1
Fluoranthene	10	U	10	0.84	ug/L		03/05/21 10:04	03/05/21 23:50	1
Fluorene	10	U	10	0.91	ug/L		03/05/21 10:04	03/05/21 23:50	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/05/21 10:04	03/05/21 23:50	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/05/21 10:04	03/05/21 23:50	1
Phenanthrene	10	U	10	1.3	ug/L		03/05/21 10:04	03/05/21 23:50	1
Pyrene	10	U	10	1.6	ug/L		03/05/21 10:04	03/05/21 23:50	1

Limits

42 - 127

46 - 137

emm 3/11/21

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Analyzed

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Prepared

03/05/21 10:04 03/05/21 23:50

03/05/21 10:04 03/05/21 23:50

Client: GEI Consultants, Inc. Job ID: 460-229075-1

Project/Site: National Grid - Downstate OMM Hempstead

Client Sample ID: HIMW-25

Date Collected: 03/02/21 09:40 Date Received: 03/02/21 17:30

Lab Sample ID: 460-229075-2

**Matrix: Water** 

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

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac Terphenyl-d14 (Surr) 39 - 150 03/05/21 10:04 03/05/21 23:50 87

Client Sample ID: HIMW-24

Date Collected: 03/02/21 10:30 Date Received: 03/02/21 17:30

Lab Sample ID: 460-229075-3

**Matrix: Water** 

Method: 8260D - Volatile Organic Compounds by GC/MS

		· · · · · <b>·</b>							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/05/21 03:27	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/05/21 03:27	1
Toluene	1.0	U	1.0	0.38	ug/L			03/05/21 03:27	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/05/21 03:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		75 - 123	03/05/21 03.	7 1
4-Bromofluorobenzene	107		76 - 120	03/05/21 03.	7 1
Dibromofluoromethane (Surr)	108		77 - 124	03/05/21 03.	7 1
Toluene-d8 (Surr)	107		80 - 120	03/05/21 03.	7 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/05/21 10:04	03/06/21 00:11	1
Acenaphthene	10	U	10	1.1	ug/L		03/05/21 10:04	03/06/21 00:11	1
Acenaphthylene	10	U	10	0.82	ug/L		03/05/21 10:04	03/06/21 00:11	1
Anthracene	10	U	10	1.3	ug/L		03/05/21 10:04	03/06/21 00:11	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/05/21 10:04	03/06/21 00:11	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/05/21 10:04	03/06/21 00:11	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/05/21 10:04	03/06/21 00:11	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/05/21 10:04	03/06/21 00:11	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/05/21 10:04	03/06/21 00:11	1
Chrysene	10	U	10	0.91	ug/L		03/05/21 10:04	03/06/21 00:11	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/05/21 10:04	03/06/21 00:11	1
Fluoranthene	10	U	10	0.84	ug/L		03/05/21 10:04	03/06/21 00:11	1
Fluorene	10	U	10	0.91	ug/L		03/05/21 10:04	03/06/21 00:11	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/05/21 10:04	03/06/21 00:11	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/05/21 10:04	03/06/21 00:11	1
Phenanthrene	10	U	10	1.3	ug/L		03/05/21 10:04	03/06/21 00:11	1
Pyrene	10	U	10	1.6	ug/L		03/05/21 10:04	03/06/21 00:11	1

Surrogate	%Recovery Qualifie	r Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	65	42 - 127	03/05/21 10:04	03/06/21 00:11	1
Nitrobenzene-d5 (Surr)	92	46 - 137	03/05/21 10:04	03/06/21 00:11	1
Terphenyl-d14 (Surr)	78	39 - 150	03/05/21 10:04	03/06/21 00:11	1

Client Sample ID: HIMW-20S

Date Collected: 03/02/21 12:00 Date Received: 03/02/21 17:30

Lab Sample ID: 460-229075-4 **Matrix: Water** 

Method: 8260D - Volatile Organic Compounds by GC/MS
Method. 6260D - Volatile Organic Compounds by GC/MS

Totalio Organio Compoundo Sy Comio						_				
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	1.0	U	1.0	0.20	ug/L			03/05/21 03:53	1

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03/08/2021

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Client: GEI Consultants, Inc. Job ID: 460-229075-1

Project/Site: National Grid - Downstate OMM Hempstead

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: HIMW-20S

Lab Sample ID: 460-229075-4 Date Collected: 03/02/21 12:00

**Matrix: Water** 

Date Received: 03/02/21 17:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/05/21 03:53	1
Toluene	1.0	U	1.0	0.38	ug/L			03/05/21 03:53	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/05/21 03:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 123					03/05/21 03:53	1
4-Bromofluorobenzene	99		76 - 120					03/05/21 03:53	1
Dibromofluoromethane (Surr)	101		77 - 124					03/05/21 03:53	1
Toluene-d8 (Surr)	97		80 - 120					03/05/21 03:53	1
Method: 8270E - Semivolati	le Organic Co	mpounds	(GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/05/21 10:04	03/06/21 00:32	1
Acenaphthene	10	U	10	1.1	ug/L		03/05/21 10:04	03/06/21 00:32	1
Acenaphthylene	10	U	10	0.82	ug/L		03/05/21 10:04	03/06/21 00:32	1
Anthracene	10	U	10	1.3	ug/L		03/05/21 10:04	03/06/21 00:32	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/05/21 10:04	03/06/21 00:32	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/05/21 10:04	03/06/21 00:32	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/05/21 10:04	03/06/21 00:32	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/05/21 10:04	03/06/21 00:32	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/05/21 10:04	03/06/21 00:32	1
Chrysene	10	U	10	0.91	ug/L		03/05/21 10:04	03/06/21 00:32	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/05/21 10:04	03/06/21 00:32	1
Fluoranthene	10	U	10	0.84	ug/L		03/05/21 10:04	03/06/21 00:32	1
Fluorene	10	U	10	0.91	ug/L		03/05/21 10:04	03/06/21 00:32	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/05/21 10:04	03/06/21 00:32	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/05/21 10:04	03/06/21 00:32	1
Phenanthrene	10	U	10	1.3	ug/L		03/05/21 10:04	03/06/21 00:32	1
Pyrene	10	U	10	1.6	ug/L		03/05/21 10:04	03/06/21 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	70		42 - 127				03/05/21 10:04	03/06/21 00:32	1
Nitrobenzene-d5 (Surr)	91		46 - 137				03/05/21 10:04	03/06/21 00:32	1
Terphenyl-d14 (Surr)	73		39 - 150				00/05/04 40 04	03/06/21 00:32	1

Lab Sample ID: 460-229075-5 Client Sample ID: HIMW-201 Date Collected: 03/02/21 12:55 **Matrix: Water** 

Date Received: 03/02/21 17:30

Date Received: 00/02/21 17:0									
Method: 8260D - Volatile O	rganic Compo	unds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/05/21 04:19	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/05/21 04:19	1
Toluene	1.0	U	1.0	0.38	ug/L			03/05/21 04:19	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/05/21 04:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		75 - 123					03/05/21 04:19	1
4-Bromofluorobenzene	101		76 - 120					03/05/21 04:19	1
Dibromofluoromethane (Surr)	100		77 - 124					03/05/21 04:19	1
Toluene-d8 (Surr)	99		80 - 120					03/05/21 04:19	1

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Client: GEI Consultants, Inc. Job ID: 460-229075-1

Project/Site: National Grid - Downstate OMM Hempstead

Client Sample ID: HIMW-20I

Lab Sample ID: 460-229075-5

Date Collected: 03/02/21 12:55 **Matrix: Water** Date Received: 03/02/21 17:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/05/21 10:04	03/06/21 00:53	1
Acenaphthene	10	U	10	1.1	ug/L		03/05/21 10:04	03/06/21 00:53	1
Acenaphthylene	10	U	10	0.82	ug/L		03/05/21 10:04	03/06/21 00:53	1
Anthracene	10	U	10	1.3	ug/L		03/05/21 10:04	03/06/21 00:53	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/05/21 10:04	03/06/21 00:53	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/05/21 10:04	03/06/21 00:53	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/05/21 10:04	03/06/21 00:53	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/05/21 10:04	03/06/21 00:53	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/05/21 10:04	03/06/21 00:53	1
Chrysene	10	U	10	0.91	ug/L		03/05/21 10:04	03/06/21 00:53	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/05/21 10:04	03/06/21 00:53	1
Fluoranthene	10	U	10	0.84	ug/L		03/05/21 10:04	03/06/21 00:53	1
Fluorene	10	U	10	0.91	ug/L		03/05/21 10:04	03/06/21 00:53	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/05/21 10:04	03/06/21 00:53	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/05/21 10:04	03/06/21 00:53	1
Phenanthrene	10	U	10	1.3	ug/L		03/05/21 10:04	03/06/21 00:53	1
Pyrene	10	U	10	1.6	ug/L		03/05/21 10:04	03/06/21 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	73		42 - 127				03/05/21 10:04	03/06/21 00:53	1
Nitrobenzene-d5 (Surr)	93		46 - 137				03/05/21 10:04	03/06/21 00:53	1
Terphenyl-d14 (Surr)	77		39 - 150				03/05/21 10:04	03/06/21 00:53	1

Client Sample ID: HIMW-08D

Date Collected: 03/02/21 09:40

Date Received: 03/02/21 17:30

Lab Sample ID: 460-229075-6

**Matrix: Water** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/05/21 04:45	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/05/21 04:45	1
Toluene	1.0	U	1.0	0.38	ug/L			03/05/21 04:45	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/05/21 04:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		75 - 123			-		03/05/21 04:45	1
4-Bromofluorobenzene	101		76 - 120					03/05/21 04:45	1
Dibromofluoromethane (Surr)	102		77 - 124					03/05/21 04:45	1
Toluene-d8 (Surr)	102		80 - 120					03/05/21 04:45	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/05/21 10:04	03/06/21 01:14	1
Acenaphthene	10	U	10	1.1	ug/L		03/05/21 10:04	03/06/21 01:14	1
Acenaphthylene	10	U	10	0.82	ug/L		03/05/21 10:04	03/06/21 01:14	1
Anthracene	10	U	10	1.3	ug/L		03/05/21 10:04	03/06/21 01:14	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/05/21 10:04	03/06/21 01:14	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/05/21 10:04	03/06/21 01:14	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/05/21 10:04	03/06/21 01:14	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/05/21 10:04	03/06/21 01:14	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/05/21 10:04	03/06/21 01:14	1

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Client: GEI Consultants, Inc. Job ID: 460-229075-1

Project/Site: National Grid - Downstate OMM Hempstead

Client Sample ID: HIMW-08D

Lab Sample ID: 460-229075-6 Date Collected: 03/02/21 09:40

**Matrix: Water** 

Date Received: 03/02/21 17:30	
Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene		U	10	0.91	ug/L		03/05/21 10:04	03/06/21 01:14	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/05/21 10:04	03/06/21 01:14	1
Fluoranthene	10	U	10	0.84	ug/L		03/05/21 10:04	03/06/21 01:14	1
Fluorene	10	U	10	0.91	ug/L		03/05/21 10:04	03/06/21 01:14	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/05/21 10:04	03/06/21 01:14	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/05/21 10:04	03/06/21 01:14	1
Phenanthrene	10	U	10	1.3	ug/L		03/05/21 10:04	03/06/21 01:14	1
Pyrene	10	U	10	1.6	ug/L		03/05/21 10:04	03/06/21 01:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
0.51 1:1 1			40 407				22/27/21/12/21	00/00/01 01 11	

Su	rrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2- <i>I</i>	-luorobiphenyl	48		42 - 127	03/05/21 10:04	03/06/21 01:14	1
Nit	robenzene-d5 (Surr)	62		46 - 137	03/05/21 10:04	03/06/21 01:14	1
Te	rphenyl-d14 (Surr)	63		39 - 150	03/05/21 10:04	03/06/21 01:14	1

# Chain of Custody Record

Testranerica

TestAmerica New York City

47-32 32nd Place

		11101-242	fax
O.: 12 2 4 4	Sulle 141	Long Island City, NY 11101-2429	phone 347 507 0579

Client Contact	Project Manager: Chris Morris	Site Contact: Tom Johansen	Date: 5 6 0	COC No:
GEI Consultants Inc. P.C.	Tel/Fax: (631) 759-2967	Lab Contact: Melissa Haas	Carrier: Test America	V of 1 COCs
1000 New York Ave	Analysis Turnaround Time	G(C		Sampler:
Huntington Station, NY 11746	☐ CALENDAR DAYS (1) WORKING DAYS	322(		Sor Lab Use Only:
(631) 760 - 9300 Phone	TAT if different from Below standard			Walk-in Client:
		11		Lab Sampling:
Project Name: National Grid GW Monitoring		()		
Site: Downstate Hempstead Former MGP Site		o sv		Job / SDG No.:
P O# 1905774.15.3	1 day	) C		
Sample Identification	p. Matrix	O # C C C C C C C C C C C C C C C C C C		Sample Specific Notes
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de de la companya de	And the second s			F. L.
Preservation Used: 1≈ Ice. 2≈ HCl: 3≠ H2SO4: 4=HNO3: 5=NaOH: 6= Other	03: 5≡NaOH: 6≖ Other		460-229075 Chain of Custody	Ápo
on: I EPA Hazardous Waste? s to dispose of the sample	Please List any EPA Waste Codes for the sample in the		Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month	stained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin firitant	☐ Polson B ☐ Unknown	☐ Return to Client	Disposal by Lat)	e for Months
Special Instructions/QC Requirements & Comments:	G7 B	~		
Custody Seals Inted: 🔼 Ves 🗆 No	Custody Seal No.:	Cooler-Fergo. (°C): Obs'd	Obs'd: Corr'd:	Thạrm (Đ No.:
Relinquished by:	Company: GEI Consultants Inc. Date/Time: P.C.	e: Received by	Company	Date/Time:7
Slinquished by:	Company: Date/Time:	Received by:	Company	3 2 Time; 1600
Relinquished by:	Company: S221 135	Received in Lab	Company	State 1736
2.2	7) 77		Form No	Form No. CA-C-WI-602, Rev. 4,11, dated 1/24/2017
`	)			



Site: Downstate OMM Hempstead
Laboratory: Eurofins Test America, Edison, NJ

**Report Number:** 460-229194

**Reviewer:** Elissa McDonagh/GEI Consultants

**Date:** March 12, 2021

### **Samples Reviewed and Evaluation Summary**

FIELD ID	LAB ID	FRACTIONS VALIDATED
TB030321	460-229194-1	BTEX
HIMW-05D	460-229194-2	BTEX, PAH
HIMW-05I	460-229194-3	BTEX, PAH
HIMW-26D	460-229194-4	BTEX, PAH
HIMW-05S	460-229194-5	BTEX, PAH
HIMW-26I	460-229194-6	BTEX, PAH
HIMW-12S	460-229194-7	BTEX, PAH
HIMW-12IR	460-229194-8	BTEX, PAH
HIMW-23	460-229194-9	BTEX, PAH
HIMW-22	460-229194-10	BTEX, PAH
FB030321	460-229194-11	BTEX, PAH
HIMW-13S	460-229194-12	BTEX, PAH
HIMW-13I	460-229194-13	BTEX, PAH
HIMW-13D	460-229194-14	BTEX, PAH

### **Associated QC Samples:**

Trip Blank: TB030321
Field Blank: FB030321
Field Duplicate pair: None associated

The above-listed aqueous samples, field blank, and trip blank sample were collected on March 3, 2021 and were analyzed for BTEX volatile organic compounds (VOCs) by SW-846 method 8260D and polynuclear aromatic hydrocarbon (PAH) semivolatile organic compounds (SVOCs) by SW-846 method 8270E.

The data validation was performed based on the Standard Operating Procedure (SOP) HW-33 (Revision 3) *Low/Medium Volatile Data Validation* (March 2013) and SOP HW-35 (Revision 2) *Semivolatile Data Validation* (March 2013) as well as by the methods referenced by the data package and professional and technical judgment.

The data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results

Site: Downstate OMM Hempstead Report Number: 460-229194-1

Date: March 12, 2021

- Internal Standard Results
- Laboratory Control Sample (LCS) Results
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

All results appear usable as reported or usable with minor qualification due to calibration nonconformances and uncertainty for levels below the reporting limit. These results were considered valid; even though some were qualified as discussed below.

The validation findings were based on the following information.

### **Data Completeness**

The data package was complete as received by the laboratory.

### **Holding Times and Sample Preservation**

All hold time and sample preservation criteria were met.

### **Initial and Continuing Calibrations**

All initial and continuing calibration criteria were met except where noted below.

Instrument/ Calibration Standard	Compound	Calibration Exceedance	Validation Qualifier
		SVOC	
CBNAMS17	Indeno(123cd)pyrene	24.4 %R	Estimate (UJ) the nondetect results for
CCVIS 460- 763208/2	Dibenz(ah)anthracene	22.8 %R	indeno(123cd)pyrene, dibenz(ah)anthracene and
03/08/2021 16:21	Benzo[g,h,i]perylene	22.1 %R	benzo[g,h,i]perylene in the associated samples.
Associated samples:	HIMW-05I		

Initial calibration (ICAL) relative standard deviation (%RSD) > 20% for VOC and SVOC; estimate (J) positive and blank-qualified (UJ) results only.

Continuing calibration (CCAL) percent difference (%D) > 20% for VOC and SVOC; estimate (J/UJ) positive and nondetect results.

Response factor (RF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

### **Blanks**

Contamination was not detected in the associated method blank samples. Contamination was not detected in the trip blank and field blank samples.

Site: Downstate OMM Hempstead Report Number: 460-229194-1

Date: March 12, 2021

### **Surrogate Recoveries**

All criteria were met.

### MS/MSD Results

Batch (non-project) MS/MSDs were reported for SVOC analysis. Results from these analyses were not used to qualify project samples due to differences in sample type, matrix, etc.

MS/MSDs were not submitted for VOC analysis. No action was taken.

### **Internal Standard Results**

All internal standard criteria were met.

### **LCS Results**

All LCS and LCS duplicate (LCSD) recovery and precision criteria were met.

### **Field Duplicate Results**

Field duplicate samples were not submitted with the sample set.

### **Quantitation Limits and Data Assessment**

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). These results were qualified as estimated (J) by the laboratory.

### **Sample Quantitation and Compound Identification**

Calculations were spot-checked; no discrepancies were noted.

Site: Downstate OMM Hempstead Report Number: 460-229194-1

Date: March 12, 2021

### DATA VALIDATION QUALIFIERS

- U The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.
- UJ The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.
- NJ The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.
- R Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

Client: GEI Consultants, Inc. Job ID: 460-229194-1

Project/Site: National Grid - Downstate Hempstead

Client Sample ID: TB030321

Lab Sample ID: 460-229194-1

Date Collected: 03/03/21 00:00 **Matrix: Water** Date Received: 03/03/21 18:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/06/21 11:30	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/06/21 11:30	1
Toluene	1.0	U	1.0	0.38	ug/L			03/06/21 11:30	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/06/21 11:30	1

Surrogate	%Recovery Qualifier	Limits	Prepared Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95	75 - 123	03/06/21 11:30	1
4-Bromofluorobenzene	103	76 - 120	03/06/21 11:30	1
Dibromofluoromethane (Surr)	103	77 - 124	03/06/21 11:30	1
Toluene-d8 (Surr)	99	80 - 120	03/06/21 11:30	1

Lab Sample ID: 460-229194-2 Client Sample ID: HIMW-05D Date Collected: 03/03/21 06:15 **Matrix: Water** 

Date Received: 03/03/21 18:00

2-Fluorobiphenyl

Nitrobenzene-d5 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/06/21 04:01	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/06/21 04:01	1
Toluene	6.2		1.0	0.38	ug/L			03/06/21 04:01	1
Xylenes, Total	110		2.0	0.65	ug/L			03/06/21 04:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		75 - 123		03/06/21 04:01	1
4-Bromofluorobenzene	98		76 - 120		03/06/21 04:01	1
Dibromofluoromethane (Surr)	105		77 - 124		03/06/21 04:01	1
Toluene-d8 (Surr)	100		80 - 120		03/06/21 04:01	1

Method: 8270E - S	Semivolatile Org	ganic Compound	is (GC/MS)
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	150		100	5.3	ug/L		03/07/21 07:55	03/09/21 09:14	10
Acenaphthene	100	U	100	11	ug/L		03/07/21 07:55	03/09/21 09:14	10
Acenaphthylene	50	J	100	8.2	ug/L		03/07/21 07:55	03/09/21 09:14	10
Anthracene	100	U	100	13	ug/L		03/07/21 07:55	03/09/21 09:14	10
Benzo[a]anthracene	10	U	10	5.9	ug/L		03/07/21 07:55	03/09/21 09:14	10
Benzo[a]pyrene	10	U	10	4.1	ug/L		03/07/21 07:55	03/09/21 09:14	10
Benzo[b]fluoranthene	20	U	20	6.8	ug/L		03/07/21 07:55	03/09/21 09:14	10
Benzo[g,h,i]perylene	100	U	100	7.0	ug/L		03/07/21 07:55	03/09/21 09:14	10
Benzo[k]fluoranthene	10	U	10	6.7	ug/L		03/07/21 07:55	03/09/21 09:14	10
Chrysene	100	U	100	9.1	ug/L		03/07/21 07:55	03/09/21 09:14	10
Dibenz(a,h)anthracene	10	U	10	7.2	ug/L		03/07/21 07:55	03/09/21 09:14	10
Fluoranthene	100	U	100	8.4	ug/L		03/07/21 07:55	03/09/21 09:14	10
Fluorene	100	U	100	9.1	ug/L		03/07/21 07:55	03/09/21 09:14	10
Indeno[1,2,3-cd]pyrene	20	U	20	9.4	ug/L		03/07/21 07:55	03/09/21 09:14	10
Naphthalene	1200		20	5.4	ug/L		03/07/21 07:55	03/09/21 09:14	10
Phenanthrene	100	U	100	13	ug/L		03/07/21 07:55	03/09/21 09:14	10
Pyrene	100	U	100	16	ug/L		03/07/21 07:55	03/09/21 09:14	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

42 - 127

46 - 137

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03/07/21 07:55 03/09/21 09:14

03/07/21 07:55 03/09/21 09:14

Client: GEI Consultants, Inc. Job ID: 460-229194-1

Project/Site: National Grid - Downstate Hempstead

Client Sample ID: HIMW-05D

Date Collected: 03/03/21 06:15

**Matrix: Water** Date Received: 03/03/21 18:00

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

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac Terphenyl-d14 (Surr) 126 39 - 150 03/07/21 07:55 03/09/21 09:14

Client Sample ID: HIMW-05I Lab Sample ID: 460-229194-3

Date Collected: 03/03/21 07:00 **Matrix: Water** 

Date Received: 03/03/21 18:00

Welliou. 0200D - Volalile Org	aniic Compounds by	y GC/IVIS						
Analyte	Result Qualifie	r RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0 U	1.0	0.20	ug/L			03/06/21 04:27	1
Ethylbenzene	0.65 J	1.0	0.30	ug/L			03/06/21 04:27	1
Toluene	0.53 J	1.0	0.38	ug/L			03/06/21 04:27	1
Xvlenes, Total	42	2.0	0.65	ug/L			03/06/21 04:27	1

Surrogate	%Recovery Qualifier	Limits	Prepared Ana	alyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97	75 - 123	03/06/	21 04:27	1
4-Bromofluorobenzene	100	76 - 120	03/06/	21 04:27	1
Dibromofluoromethane (Surr)	104	77 - 124	03/06/	21 04:27	1
Toluene-d8 (Surr)	100	80 - 120	03/06/	21 04:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	120		50	2.6	ug/L		03/07/21 07:55	03/08/21 22:05	5
Acenaphthene	9.9	J	50	5.4	ug/L		03/07/21 07:55	03/08/21 22:05	5
Acenaphthylene	140		50	4.1	ug/L		03/07/21 07:55	03/08/21 22:05	5
Anthracene	50	U	50	6.5	ug/L		03/07/21 07:55	03/08/21 22:05	5
Benzo[a]anthracene	5.0	U	5.0	3.0	ug/L		03/07/21 07:55	03/08/21 22:05	5
Benzo[a]pyrene	5.0	U	5.0	2.0	ug/L		03/07/21 07:55	03/08/21 22:05	5
Benzo[b]fluoranthene	10	U	10	3.4	ug/L		03/07/21 07:55	03/08/21 22:05	5
Benzo[g,h,i]perylene	50	U <mark>UJ</mark>	50	3.5	ug/L		03/07/21 07:55	03/08/21 22:05	5
Benzo[k]fluoranthene	5.0	U	5.0	3.4	ug/L		03/07/21 07:55	03/08/21 22:05	5
Chrysene	50	U	50	4.5	ug/L		03/07/21 07:55	03/08/21 22:05	5
Dibenz(a,h)anthracene	5.0	U UJ	5.0	3.6	ug/L		03/07/21 07:55	03/08/21 22:05	5
Fluoranthene	50	U	50	4.2	ug/L		03/07/21 07:55	03/08/21 22:05	5
Fluorene	24	J	50	4.6	ug/L		03/07/21 07:55	03/08/21 22:05	5
Indeno[1,2,3-cd]pyrene	10	U <mark>UJ</mark>	10	4.7	ug/L		03/07/21 07:55	03/08/21 22:05	5
Naphthalene	780		10	2.7	ug/L		03/07/21 07:55	03/08/21 22:05	5
Phenanthrene	17	J	50	6.4	ug/L		03/07/21 07:55	03/08/21 22:05	5
Pyrene	50	U	50	8.2	ug/L		03/07/21 07:55	03/08/21 22:05	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	110		42 - 127	03/07/21 07:55	03/08/21 22:05	5
Nitrobenzene-d5 (Surr)	115		46 - 137	03/07/21 07:55	03/08/21 22:05	5
Terphenyl-d14 (Surr)	121		39 - 150	03/07/21 07:55	03/08/21 22:05	5

Client Sample ID: HIMW-26D

Lab Sample ID: 460-229194-4 Date Collected: 03/03/21 08:00 **Matrix: Water** 

Date Received: 03/03/21 18:00

Method: 8260D - Volatile Orga	nic Compounds by (	GC/MS						
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0 U	1.0	0.20	ug/L			03/06/21 04:53	1

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Lab Sample ID: 460-229194-2

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Client: GEI Consultants, Inc. Job ID: 460-229194-1

Project/Site: National Grid - Downstate Hempstead

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: HIMW-26D

Lab Sample ID: 460-229194-4 Date Collected: 03/03/21 08:00

**Matrix: Water** Date Received: 03/03/21 18:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/06/21 04:53	1
Toluene	1.0	U	1.0	0.38	ug/L			03/06/21 04:53	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/06/21 04:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		75 - 123					03/06/21 04:53	1
4-Bromofluorobenzene	104		76 - 120					03/06/21 04:53	1
Dibromofluoromethane (Surr)	102		77 - 124					03/06/21 04:53	1
Toluene-d8 (Surr)	101		80 - 120					03/06/21 04:53	1
Method: 8270E - Semivolat	ile Organic Co	mpounds	(GC/MS)						
Analyte	Result	Qualifier	ŘL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene		U	10	0.53	ug/L		03/07/21 07:55	03/07/21 20:33	1
Acenaphthene	10	U	10	1.1	ug/L		03/07/21 07:55	03/07/21 20:33	1
Acenaphthylene	10	U	10	0.82	ug/L		03/07/21 07:55	03/07/21 20:33	1
Anthracene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 20:33	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/07/21 07:55	03/07/21 20:33	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/07/21 07:55	03/07/21 20:33	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/07/21 07:55	03/07/21 20:33	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/07/21 07:55	03/07/21 20:33	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/07/21 07:55	03/07/21 20:33	1
Chrysene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 20:33	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/07/21 07:55	03/07/21 20:33	1
Fluoranthene	10	U	10	0.84	ug/L		03/07/21 07:55	03/07/21 20:33	1
Fluorene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 20:33	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/07/21 07:55	03/07/21 20:33	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/07/21 07:55	03/07/21 20:33	1
Phenanthrene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 20:33	1
Pyrene	10	U	10	1.6	ug/L		03/07/21 07:55	03/07/21 20:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		42 - 127				03/07/21 07:55	03/07/21 20:33	1
Nitrobenzene-d5 (Surr)	83		46 - 137				03/07/21 07:55	03/07/21 20:33	1
Terphenyl-d14 (Surr)	102		39 - 150				03/07/21 07:55	03/07/21 20:33	1

Lab Sample ID: 460-229194-5 **Client Sample ID: HIMW-05S** 

Date Collected: 03/03/21 07:40 **Matrix: Water** Date Received: 03/03/21 18:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/06/21 05:18	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/06/21 05:18	1
Toluene	1.0	U	1.0	0.38	ug/L			03/06/21 05:18	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/06/21 05:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		75 - 123					03/06/21 05:18	1
4-Bromofluorobenzene	105		76 - 120					03/06/21 05:18	1
Dibromofluoromethane (Surr)	106		77 - 124					03/06/21 05:18	1
Toluene-d8 (Surr)	101		80 - 120					03/06/21 05:18	1

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Client: GEI Consultants, Inc. Job ID: 460-229194-1

Project/Site: National Grid - Downstate Hempstead

Client Sample ID: HIMW-05S

Lab Sample ID: 460-229194-5

Date Collected: 03/03/21 07:40 **Matrix: Water** Date Received: 03/03/21 18:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/07/21 07:55	03/07/21 20:54	1
Acenaphthene	10	U	10	1.1	ug/L		03/07/21 07:55	03/07/21 20:54	1
Acenaphthylene	10	U	10	0.82	ug/L		03/07/21 07:55	03/07/21 20:54	1
Anthracene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 20:54	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/07/21 07:55	03/07/21 20:54	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/07/21 07:55	03/07/21 20:54	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/07/21 07:55	03/07/21 20:54	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/07/21 07:55	03/07/21 20:54	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/07/21 07:55	03/07/21 20:54	1
Chrysene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 20:54	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/07/21 07:55	03/07/21 20:54	1
Fluoranthene	10	U	10	0.84	ug/L		03/07/21 07:55	03/07/21 20:54	1
Fluorene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 20:54	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/07/21 07:55	03/07/21 20:54	1
Naphthalene	0.83	J	2.0	0.54	ug/L		03/07/21 07:55	03/07/21 20:54	1
Phenanthrene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 20:54	1
Pyrene	10	U	10	1.6	ug/L		03/07/21 07:55	03/07/21 20:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	93		42 - 127				03/07/21 07:55	03/07/21 20:54	1
Nitrobenzene-d5 (Surr)	101		46 - 137				03/07/21 07:55	03/07/21 20:54	1
Terphenyl-d14 (Surr)	109		39 - 150				03/07/21 07:55	03/07/21 20:54	1

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Date Received: 03/03/21 18:00

Client Sample ID: HIMW-26I	Lab Sample ID: 460-229194-6
Date Collected: 03/03/21 06:35	Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/06/21 05:44	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/06/21 05:44	1
Toluene	1.0	U	1.0	0.38	ug/L			03/06/21 05:44	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/06/21 05:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		75 - 123			-		03/06/21 05:44	1
4-Bromofluorobenzene	104		76 - 120					03/06/21 05:44	1
Dibromofluoromethane (Surr)	102		77 - 124					03/06/21 05:44	1
Toluene-d8 (Surr)	99		80 - 120					03/06/21 05:44	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/07/21 07:55	03/07/21 21:15	1
Acenaphthene	10	U	10	1.1	ug/L		03/07/21 07:55	03/07/21 21:15	1
Acenaphthylene	10	U	10	0.82	ug/L		03/07/21 07:55	03/07/21 21:15	1
Anthracene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 21:15	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/07/21 07:55	03/07/21 21:15	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/07/21 07:55	03/07/21 21:15	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/07/21 07:55	03/07/21 21:15	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/07/21 07:55	03/07/21 21:15	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/07/21 07:55	03/07/21 21:15	1

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Client: GEI Consultants, Inc. Job ID: 460-229194-1

Project/Site: National Grid - Downstate Hempstead

Client Sample ID: HIMW-26I

Lab Sample ID: 460-229194-6

Date Collected: 03/03/21 06:35 **Matrix: Water** Date Received: 03/03/21 18:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 21:15	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/07/21 07:55	03/07/21 21:15	1
Fluoranthene	10	U	10	0.84	ug/L		03/07/21 07:55	03/07/21 21:15	1
Fluorene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 21:15	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/07/21 07:55	03/07/21 21:15	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/07/21 07:55	03/07/21 21:15	1
Phenanthrene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 21:15	1
Pyrene	10	U	10	1.6	ug/L		03/07/21 07:55	03/07/21 21:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		42 - 127				03/07/21 07:55	03/07/21 21:15	1
Nitrobenzene-d5 (Surr)	94		46 - 137				03/07/21 07:55	03/07/21 21:15	1
Terphenyl-d14 (Surr)	104		39 - 150				03/07/21 07:55	03/07/21 21:15	1

**Client Sample ID: HIMW-12S** Lab Sample ID: 460-229194-7

Date Collected: 03/03/21 10:00 **Matrix: Water** Date Received: 03/03/21 18:00

Method: 8260D - Volatile O		_				_			5
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/06/21 06:09	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/06/21 06:09	1
Toluene	1.0	U	1.0	0.38	ug/L			03/06/21 06:09	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/06/21 06:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		75 - 123			-		03/06/21 06:09	1

-	•			
1,2-Dichloroethane-d4 (Surr)	96	75 - 123	03/06/21 06:09	1
4-Bromofluorobenzene	102	76 - 120	03/06/21 06:09	1
Dibromofluoromethane (Surr)	102	77 - 124	03/06/21 06:09	1
Toluene-d8 (Surr)	99	80 - 120	03/06/21 06:09	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/07/21 07:55	03/07/21 21:36	1
Acenaphthene	10	U	10	1.1	ug/L		03/07/21 07:55	03/07/21 21:36	1
Acenaphthylene	10	U	10	0.82	ug/L		03/07/21 07:55	03/07/21 21:36	1
Anthracene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 21:36	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/07/21 07:55	03/07/21 21:36	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/07/21 07:55	03/07/21 21:36	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/07/21 07:55	03/07/21 21:36	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/07/21 07:55	03/07/21 21:36	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/07/21 07:55	03/07/21 21:36	1
Chrysene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 21:36	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/07/21 07:55	03/07/21 21:36	1
Fluoranthene	10	U	10	0.84	ug/L		03/07/21 07:55	03/07/21 21:36	1
Fluorene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 21:36	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/07/21 07:55	03/07/21 21:36	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/07/21 07:55	03/07/21 21:36	1
Phenanthrene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 21:36	1
Pyrene	10	U	10	1.6	ug/L		03/07/21 07:55	03/07/21 21:36	1

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Client: GEI Consultants, Inc. Job ID: 460-229194-1

Project/Site: National Grid - Downstate Hempstead

Client Sample ID: HIMW-12S

Date Collected: 03/03/21 10:00 Date Received: 03/03/21 18:00 Lab Sample ID: 460-229194-7

**Matrix: Water** 

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	92	42 - 127	03/07/21 07:55	03/07/21 21:36	1
Nitrobenzene-d5 (Surr)	98	46 - 137	03/07/21 07:55	03/07/21 21:36	1
Terphenyl-d14 (Surr)	107	39 - 150	03/07/21 07:55	03/07/21 21:36	1

**Client Sample ID: HIMW-12IR** 

Date Collected: 03/03/21 10:45 Date Received: 03/03/21 18:00

Pyrene

Lab Sample ID: 460-229194-8

**Matrix: Water** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/06/21 06:35	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/06/21 06:35	1
Toluene	1.0	U	1.0	0.38	ug/L			03/06/21 06:35	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/06/21 06:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		75 - 123		03/06/21 06:35	1
4-Bromofluorobenzene	104		76 - 120		03/06/21 06:35	1
Dibromofluoromethane (Surr)	103		77 - 124		03/06/21 06:35	1
Toluene-d8 (Surr)	100		80 - 120		03/06/21 06:35	1

Acenaphthene Acenaphthylene Anthracene Benzo[a]anthracene Benzo[b]fluoranthene Benzo[g,h,i]perylene Benzo[k]fluoranthene	10	U	10 10	0.53	ug/L	 00/07/04 07 55		
Acenaphthylene Anthracene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[g,h,i]perylene Benzo[k]fluoranthene	10		10		_	03/07/21 07:55	03/07/21 21:57	1
Anthracene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[g,h,i]perylene Benzo[k]fluoranthene				1.1	ug/L	03/07/21 07:55	03/07/21 21:57	1
Benzo[a]anthracene  Benzo[a]pyrene  Benzo[b]fluoranthene  Benzo[g,h,i]perylene  Benzo[k]fluoranthene	ın	U	10	0.82	ug/L	03/07/21 07:55	03/07/21 21:57	1
Benzo[a]pyrene 1 Benzo[b]fluoranthene 2 Benzo[g,h,i]perylene Benzo[k]fluoranthene 1		U	10	1.3	ug/L	03/07/21 07:55	03/07/21 21:57	1
Benzo[b]fluoranthene 2 Benzo[g,h,i]perylene Benzo[k]fluoranthene 1	.0	U	1.0	0.59	ug/L	03/07/21 07:55	03/07/21 21:57	1
Benzo[g,h,i]perylene Benzo[k]fluoranthene	.0	U	1.0	0.41	ug/L	03/07/21 07:55	03/07/21 21:57	1
Benzo[k]fluoranthene	.0	U	2.0	0.68	ug/L	03/07/21 07:55	03/07/21 21:57	1
<del></del>	10	U	10	0.70	ug/L	03/07/21 07:55	03/07/21 21:57	1
Charana	.0	U	1.0	0.67	ug/L	03/07/21 07:55	03/07/21 21:57	1
Chrysene	10	U	10	0.91	ug/L	03/07/21 07:55	03/07/21 21:57	1
Dibenz(a,h)anthracene	.0	U	1.0	0.72	ug/L	03/07/21 07:55	03/07/21 21:57	1
Fluoranthene	10	U	10	0.84	ug/L	03/07/21 07:55	03/07/21 21:57	1
Fluorene	10	U	10	0.91	ug/L	03/07/21 07:55	03/07/21 21:57	1
Indeno[1,2,3-cd]pyrene	.0	U	2.0	0.94	ug/L	03/07/21 07:55	03/07/21 21:57	1
Naphthalene 2	.0	U	2.0	0.54	ug/L	03/07/21 07:55	03/07/21 21:57	1
Phenanthrene	0	U	10	1.3	ug/L	03/07/21 07:55	03/07/21 21:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		42 - 127	03/07/21 07:55	03/07/21 21:57	1
Nitrobenzene-d5 (Surr)	86		46 - 137	03/07/21 07:55	03/07/21 21:57	1
Terphenyl-d14 (Surr)	100		39 - 150	03/07/21 07:55	03/07/21 21:57	1

10

1.6 ug/L

10 U

03/07/21 07:55 03/07/21 21:57

Client: GEI Consultants, Inc. Job ID: 460-229194-1

Project/Site: National Grid - Downstate Hempstead

Client Sample ID: HIMW-23

Lab Sample ID: 460-229194-9

Date Collected: 03/03/21 12:00 **Matrix: Water** Date Received: 03/03/21 18:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/06/21 07:00	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/06/21 07:00	1
Toluene	1.0	U	1.0	0.38	ug/L			03/06/21 07:00	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/06/21 07:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		75 - 123					03/06/21 07:00	1
4-Bromofluorobenzene	103		76 - 120					03/06/21 07:00	1
Dibromofluoromethane (Surr)	103		77 - 124					03/06/21 07:00	1
Toluene-d8 (Surr)	100		80 - 120					03/06/21 07:00	1
Method: 8270E - Semivolat			(GC/MS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/07/21 07:55	03/07/21 22:18	1
Acenaphthene	10	U	10	1.1	ug/L		03/07/21 07:55	03/07/21 22:18	1
Acenaphthylene	10	U	10	0.82	ug/L		03/07/21 07:55	03/07/21 22:18	1
Anthracene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 22:18	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/07/21 07:55	03/07/21 22:18	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/07/21 07:55	03/07/21 22:18	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/07/21 07:55	03/07/21 22:18	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/07/21 07:55	03/07/21 22:18	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/07/21 07:55	03/07/21 22:18	1
Chrysene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 22:18	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/07/21 07:55	03/07/21 22:18	1
Fluoranthene	10	U	10	0.84	ug/L		03/07/21 07:55	03/07/21 22:18	1
Fluorene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 22:18	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/07/21 07:55	03/07/21 22:18	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/07/21 07:55	03/07/21 22:18	1
Phenanthrene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 22:18	1
Pyrene	10	U	10	1.6	ug/L		03/07/21 07:55	03/07/21 22:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	90		42 - 127				03/07/21 07:55	03/07/21 22:18	1
Nitrobenzene-d5 (Surr)	96		46 - 137				03/07/21 07:55	03/07/21 22:18	1
Terphenyl-d14 (Surr)	105		39 - 150				03/07/21 07:55	03/07/21 22:18	1

Lab Sample ID: 460-229194-10 Client Sample ID: HIMW-22 Date Collected: 03/03/21 13:05 **Matrix: Water** 

Date Received: 03/03/21 18:00

Date Received. 00/00/21 10:	<del></del>								
Method: 8260D - Volatile O	rganic Compo	unds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/06/21 07:26	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/06/21 07:26	1
Toluene	1.0	U	1.0	0.38	ug/L			03/06/21 07:26	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/06/21 07:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 123			-		03/06/21 07:26	1
4-Bromofluorobenzene	102		76 - 120					03/06/21 07:26	1
Dibromofluoromethane (Surr)	101		77 - 124					03/06/21 07:26	1

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Client: GEI Consultants, Inc. Job ID: 460-229194-1

Project/Site: National Grid - Downstate Hempstead

Client Sample ID: HIMW-22

Lab Sample ID: 460-229194-10

Date Collected: 03/03/21 13:05 **Matrix: Water** Date Received: 03/03/21 18:00

### Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits		Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120	03/0	06/21 07:26	1

Method: 6270E - Semivolatile	Organic Compounds	(GC/IVIS)
Analuta	Decult Qualifier	D

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/07/21 07:55	03/07/21 22:39	1
Acenaphthene	10	U	10	1.1	ug/L		03/07/21 07:55	03/07/21 22:39	1
Acenaphthylene	10	U	10	0.82	ug/L		03/07/21 07:55	03/07/21 22:39	1
Anthracene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 22:39	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/07/21 07:55	03/07/21 22:39	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/07/21 07:55	03/07/21 22:39	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/07/21 07:55	03/07/21 22:39	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/07/21 07:55	03/07/21 22:39	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/07/21 07:55	03/07/21 22:39	1
Chrysene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 22:39	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/07/21 07:55	03/07/21 22:39	1
Fluoranthene	10	U	10	0.84	ug/L		03/07/21 07:55	03/07/21 22:39	1
Fluorene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 22:39	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/07/21 07:55	03/07/21 22:39	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/07/21 07:55	03/07/21 22:39	1
Phenanthrene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 22:39	1
Pyrene	10	U	10	1.6	ug/L		03/07/21 07:55	03/07/21 22:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

-	Surrogate	70Necovery	Qualifier	LIIIIII	riepaieu	Allalyzeu	DII Fac
	2-Fluorobiphenyl	87		42 - 127	03/07/21 07:55	03/07/21 22:39	1
	Nitrobenzene-d5 (Surr)	95		46 - 137	03/07/21 07:55	03/07/21 22:39	1
	Terphenyl-d14 (Surr)	107		39 - 150	03/07/21 07:55	03/07/21 22:39	1

Client Sample ID: FB030321

Date Collected: 03/03/21 13:15 Date Received: 03/03/21 18:00

Lab Sample ID: 460-229194-11

**Matrix: Water** 

### Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	$\overline{U}$	1.0	0.20	ug/L		<u> </u>	03/06/21 11:56	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/06/21 11:56	1
Toluene	1.0	U	1.0	0.38	ug/L			03/06/21 11:56	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/06/21 11:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		75 - 123		03/06/21 11:56	1
4-Bromofluorobenzene	104		76 - 120		03/06/21 11:56	1
Dibromofluoromethane (Surr)	102		77 - 124		03/06/21 11:56	1
Toluene-d8 (Surr)	100		80 - 120		03/06/21 11:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/07/21 07:55	03/07/21 23:00	1
Acenaphthene	10	U	10	1.1	ug/L		03/07/21 07:55	03/07/21 23:00	1
Acenaphthylene	10	U	10	0.82	ug/L		03/07/21 07:55	03/07/21 23:00	1
Anthracene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 23:00	1

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## **Client Sample Results**

Client: GEI Consultants, Inc. Job ID: 460-229194-1

Project/Site: National Grid - Downstate Hempstead

Client Sample ID: FB030321

Dibromofluoromethane (Surr)

Lab Sample ID: 460-229194-11

Date Collected: 03/03/21 13:15 **Matrix: Water** Date Received: 03/03/21 18:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/07/21 07:55	03/07/21 23:00	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/07/21 07:55	03/07/21 23:00	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/07/21 07:55	03/07/21 23:00	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/07/21 07:55	03/07/21 23:00	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/07/21 07:55	03/07/21 23:00	1
Chrysene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 23:00	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/07/21 07:55	03/07/21 23:00	1
Fluoranthene	10	U	10	0.84	ug/L		03/07/21 07:55	03/07/21 23:00	1
Fluorene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 23:00	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/07/21 07:55	03/07/21 23:00	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/07/21 07:55	03/07/21 23:00	1
Phenanthrene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 23:00	1
Pyrene	10	U	10	1.6	ug/L		03/07/21 07:55	03/07/21 23:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	76		42 - 127				03/07/21 07:55	03/07/21 23:00	1
Nitrobenzene-d5 (Surr)	81		46 - 137				03/07/21 07:55	03/07/21 23:00	1
Terphenyl-d14 (Surr)	95		39 - 150				03/07/21 07:55	03/07/21 23:00	1

Client Sample ID: HIMW-13S Lab Sample ID: 460-229194-12

Date Collected: 03/03/21 12:50 **Matrix: Water** Date Received: 03/03/21 18:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/06/21 07:51	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/06/21 07:51	1
Toluene	1.0	U	1.0	0.38	ug/L			03/06/21 07:51	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/06/21 07:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 123			-		03/06/21 07:51	1
4-Bromofluorobenzene	104		76 - 120					03/06/21 07:51	1

77 - 124

103

Toluene-d8 (Surr)	100		80 - 120					03/06/21 07:51	
- Method: 8270E - Semivola	itile Organic Co	mpounds	(GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/07/21 07:55	03/07/21 23:21	
Acenaphthene	10	U	10	1.1	ug/L		03/07/21 07:55	03/07/21 23:21	
Acenaphthylene	10	U	10	0.82	ug/L		03/07/21 07:55	03/07/21 23:21	•
Anthracene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 23:21	
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/07/21 07:55	03/07/21 23:21	•
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/07/21 07:55	03/07/21 23:21	•
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/07/21 07:55	03/07/21 23:21	
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/07/21 07:55	03/07/21 23:21	
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/07/21 07:55	03/07/21 23:21	
Chrysene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 23:21	
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/07/21 07:55	03/07/21 23:21	
Fluoranthene	10	U	10	0.84	ug/L		03/07/21 07:55	03/07/21 23:21	
Fluorene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 23:21	

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03/06/21 07:51

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## **Client Sample Results**

Client: GEI Consultants, Inc. Job ID: 460-229194-1

Project/Site: National Grid - Downstate Hempstead

Client Sample ID: HIMW-13S

Lab Sample ID: 460-229194-12

Date Collected: 03/03/21 12:50 **Matrix: Water** Date Received: 03/03/21 18:00

Method: 8270E - Semivola	tile Organic Co	mpounds	(GC/MS) (Co	ntinued	)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/07/21 07:55	03/07/21 23:21	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/07/21 07:55	03/07/21 23:21	1
Phenanthrene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 23:21	1
Pyrene	10	U	10	1.6	ug/L		03/07/21 07:55	03/07/21 23:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	102		42 - 127				03/07/21 07:55	03/07/21 23:21	1
Nitrobenzene-d5 (Surr)	110		46 - 137				03/07/21 07:55	03/07/21 23:21	1
Terphenyl-d14 (Surr)	115		39 - 150				03/07/21 07:55	03/07/21 23:21	1

Client Sample ID: HIMW-13I Lab Sample ID: 460-229194-13 Date Collected: 03/03/21 12:20 **Matrix: Water** 

Date Received: 03/03/21 18:00

Nitrobenzene-d5 (Surr)

Terphenyl-d14 (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			03/06/21 17:31	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/06/21 17:31	1
Toluene	1.0	U	1.0	0.38	ug/L			03/06/21 17:31	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/06/21 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 123		03/06/21 17:31	1
4-Bromofluorobenzene	104		76 - 120		03/06/21 17:31	1
Dibromofluoromethane (Surr)	102		77 - 124		03/06/21 17:31	1
Toluene-d8 (Surr)	99		80 - 120		03/06/21 17:31	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/07/21 07:55	03/07/21 23:42	1
Acenaphthene	10	U	10	1.1	ug/L		03/07/21 07:55	03/07/21 23:42	1
Acenaphthylene	10	U	10	0.82	ug/L		03/07/21 07:55	03/07/21 23:42	1
Anthracene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 23:42	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/07/21 07:55	03/07/21 23:42	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/07/21 07:55	03/07/21 23:42	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/07/21 07:55	03/07/21 23:42	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/07/21 07:55	03/07/21 23:42	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/07/21 07:55	03/07/21 23:42	1
Chrysene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 23:42	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/07/21 07:55	03/07/21 23:42	1
Fluoranthene	10	U	10	0.84	ug/L		03/07/21 07:55	03/07/21 23:42	1
Fluorene	10	U	10	0.91	ug/L		03/07/21 07:55	03/07/21 23:42	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/07/21 07:55	03/07/21 23:42	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/07/21 07:55	03/07/21 23:42	1
Phenanthrene	10	U	10	1.3	ug/L		03/07/21 07:55	03/07/21 23:42	1
Pyrene	10	U	10	1.6	ug/L		03/07/21 07:55	03/07/21 23:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	95		42 - 127				03/07/21 07:55	03/07/21 23:42	1

Eurofins TestAmerica, Edison

03/07/21 07:55 03/07/21 23:42

03/07/21 07:55 03/07/21 23:42

Page 19 of 1151

46 - 137

39 - 150

100

104

1

## **Client Sample Results**

Client: GEI Consultants, Inc. Job ID: 460-229194-1

Project/Site: National Grid - Downstate Hempstead

Client Sample ID: HIMW-13D

Lab Sample ID: 460-229194-14 Date Collected: 03/03/21 10:55

**Matrix: Water** 

<b>Date Received:</b>	03/03/21	18:00	

Method: 8260D - Volatile Or	•								
Analyte		Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Benzene	0.56		1.0		ug/L			03/06/21 17:56	1
Ethylbenzene	1.0		1.0		ug/L			03/06/21 17:56	1
Toluene	1.0		1.0		ug/L			03/06/21 17:56	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/06/21 17:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 123					03/06/21 17:56	1
4-Bromofluorobenzene	104		76 - 120					03/06/21 17:56	1
Dibromofluoromethane (Surr)	102		77 - 124					03/06/21 17:56	1
Toluene-d8 (Surr)	100		80 - 120					03/06/21 17:56	1
Method: 8270E - Semivolat	ile Organic Co	mpounds	(GC/MS)						
Analyte	_	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/07/21 07:55	03/08/21 00:03	1
Acenaphthene	10	U	10	1.1	ug/L		03/07/21 07:55	03/08/21 00:03	1
Acenaphthylene	10	U	10		ug/L		03/07/21 07:55	03/08/21 00:03	1
Anthracene	10	U	10	1.3	ug/L		03/07/21 07:55	03/08/21 00:03	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/07/21 07:55	03/08/21 00:03	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/07/21 07:55	03/08/21 00:03	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/07/21 07:55	03/08/21 00:03	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/07/21 07:55	03/08/21 00:03	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/07/21 07:55	03/08/21 00:03	1
Chrysene	10	U	10	0.91	ug/L		03/07/21 07:55	03/08/21 00:03	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/07/21 07:55	03/08/21 00:03	1
Fluoranthene	10	U	10	0.84	ug/L		03/07/21 07:55	03/08/21 00:03	1
Fluorene	10	U	10	0.91	ug/L		03/07/21 07:55	03/08/21 00:03	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/07/21 07:55	03/08/21 00:03	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/07/21 07:55	03/08/21 00:03	1
Phenanthrene	10	U	10	1.3	ug/L		03/07/21 07:55	03/08/21 00:03	1
Pyrene	10	U	10	1.6	ug/L		03/07/21 07:55	03/08/21 00:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		42 - 127				03/07/21 07:55	03/08/21 00:03	1
Nitrobenzene-d5 (Surr)	87		46 - 137				03/07/21 07:55	03/08/21 00:03	1
Terphenyl-d14 (Surr)	91		39 - 150				03/07/21 07:55	03/08/21 00:03	1

## TestAmerica New York City

Chain of Custody Record

13 June 10

47-32 32nd Place

Suite 1141

Long Island City, NY 11101-2425 phone 347.507.0579 fax

phone 347.507.0579 fax	Regulatory Program: Dow DNPDES	☐ RCRA ☐ Other:		TestAmerica Laboratories, Inc.
Client Contact	Project Manager: Chris Morris	Site Contact: Tom Johansen Date:	3 3 21	COC No:
GEI Consultants Inc. P.C.	Tel/Fax: (631) 769-2967	Lab Contact: Melissa Haas Carrier:	Carrier: Test America	1 of <b>D</b> cocs
1000 New York Ave	Analysis Turnaround Time			Sampler:
Huntington Station, NY 11746	CI CALENDAR DAYS CI WORKING DAYS			For Lab Use Only:
(631) 760 - 9300 Phane	TAT if different from Below standard			Walk-in Client:
(631) 760 - 9301 FAX	2 weeks	12		Lab Sampling:
Project Name: National Grid GW Monitoring	1 week	) (		The state of the s
Site: Downstate Hempstead Former MGP Site	□ 2 days	is M		Job / SDG-No.
P O # 1905774.15.3	1 day	)C		46/67
	ejdubes.	M m 8260		
The state of the s	Sample Sample (Pacomp. # of	erfonora TEX T+HA		
diding and make	Date desire) Waltix	460-229194 Chain of	Custody	Sample Specific Notes:
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8521 - MW1H	S   Shc    S	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	RUSH	3
HIMM- 23	5 1 82	××		8
GC-MWIH	5 5051	***		
12030321	5115115	メメ		
Boot to the state of the state	24.511.0			And the second s
= 1	Joj, o=NaON, o= Omer	Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)	ed if samples are retain	ed longer than 1 month)
Are any samples from a listed EPA Hazardous Waste? Ple Comments Section if the lab is to dispose of the sample.	Please List any EPA Waste Codes for the sample in the			
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant	☐ Paison B ☐ Unknown	☐ Return to Client ☑ Disposal by Lab	ab 🖂 🖂 Archive for	Months
Special instructions/QC Requirements & Comments:	CAT & KEROT			
Custody Seals Intact: 🗆 Yes 🗅 No	Custody Seal No.:	Cooler Temp. (°C): Obs'd:	Copyd:	Therm ID No.:
Relinquished by: 17 Juny	Company: GEt Consultants Inc. Bale, Ime:	Received by:	Compaint	Parts/Time: 122
Relinquished by:	Country Country Country of State of Williams	Received by:	Company	2327 1600
Relinguished by:	Sales	Received in Laboratory by:	Company:	Date Time: 1800
			VO CA THE CH	0 141, 000 Day 4 4 4 4 4 10 4 10 0

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# Chain of Custody Record

Testradica 1

TestAmerica New York City 47-32 32nd Place Suite 1141

/ 11101-2425 3 fax
Long Island City, NY 11101-2425 phone 347.507.0579 fax

phone 347,507,0579 fax	Regulatory Program: Dow DNDES	DES 🗆 RCRA 🗀 Other:		TestAmerica Laboratories, Inc.
Client Contact	Project Manager: Chris Morris	Site Contact: Tom Johansen	Date: 3321	COC No:
GEI Consultants Inc. P.C.	Tel/Fax: (631) 769-2967	Lab Contact: Melissa Haas	Carrier: Test America	the of the cocs
1000 New York Ave	Analysis Turneround Time	a		Sampler:
Huntington Station, NY 11746	(I) CALENDAR DAYS (I) WORKING DAYS			For Lab Use Only:
	TAT if different from Below stendard			Nyalk-in Client:
(631) 760 - 9301 FAX	2 weeks	/ }		.ex sampling:
Project Name: National Grid GW Monitoring		) a		
Site: Downstate Hempstead Former MGP Site	□ 2 days	SM		SDG Non
PO# 1905774.15.3	[] 1 day	24 2 / S		461611
Sample Identification	Sample Sample (CeComp. # of Date Time GeGrab) Matrix Cont.	Fife paragraph of Se beneated M myohed		Sample Specific Notes
HIMW-135	3/3/21/1250 G GW S			
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HIMM-130	0.55	メメ		#
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e de la companya del la companya de  la companya de				
Preservation Used: 1# Ice, 2= HCl; 3= H2\$O4; 4=HNO3; 5=NaOH; 6= Other	3: 5≅NaOH: 6≅ Other			
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Pic Comments Section if the lab is to dispose of the sample.	Please List any EPA Waste Codes for the sample in the		Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)	ined longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant	🗀 Pelson B 🗀 Unknown	☐ Return to Client	Disposal by Lab	Months
Special instructions/QC Requirements & Comments:	Legar B FS			
Custody Seals InfeO: C T Yes T No		oler <b>Temp</b> . (2C):	Obs'd: Corrd:	Theym ID No:
Reinfulshed by:	GEI Consultants Inc.—5349/Time.	_	Company	Sater S
Reinguished by:	S 2 Date Times	00	#	3324 60.
to root	3 3 21	fareceived in daporatory by.	Company (	(3/3/1/1) (80C
	2.3464	>	Form No. C.	Form No. CA-C-Wf-062, Rev. 4.11, dated 1/24/2017



Site: Downstate OMM Hempstead Laboratory: Test America, Edison, NJ

**Report Numbers:** 460-229277-1 and 460-229406-1 **Reviewer:** Elissa McDonagh/GEI Consultants

**Date:** March 24, 2021

## **Sample Summary**

FIELD ID	LAB ID	FRACTIONS
HIMW-14D	460-229277-1	BTEX, PAH
HIMW-14I	460-229277-2	BTEX, PAH
DUP-02	460-229277-3	BTEX, PAH
FB-030421	460-229277-4	BTEX, PAH
TB-030421	460-229277-5	BTEX
TB-030421	460-229406-1	BTEX
HIMW-03S	460-229406-2	BTEX, PAH
HIMW-03I	460-229406-3	BTEX, PAH
HIMW-03D	460-229406-4	BTEX, PAH
HIMW-15I	460-229406-5	BTEX, PAH
HIMW-15D	460-229406-6	BTEX, PAH

Associated QC Sample:

Trip Blank: TB-030421 (460-229277-5), TB-030421 (460-229406-1)

Field Blank: FB-030421

Field Duplicate pair: HIMW-14I/DUP-02

The above-listed aqueous samples were collected on March 4 and 5, 2021 were analyzed for BTEX volatile organic compounds (VOCs) by SW-846 method 8260C and polynuclear aromatic hydrocarbon (PAH) semivolatile organic compounds (SVOCs) by SW-846 8270D.

The data were evaluated based on the following parameters:

- Data Completeness
- Data Assessment

## **Data Completeness**

The data package was found to contain the sample reporting forms and QC forms which included organic surrogate recoveries, blank, matrix spike, and laboratory control sample results.

## **Data Assessment**

Dilutions were not required.

Periodic Review Report
March 28, 2020 – March 28, 2021
Hempstead Intersection Street Former MGP Site
Town of Hempstead, Nassau County, New York
Site ID #1-30-086
April 2021

## **Appendix D**

**Oxygen System Operations & Maintenance Measurements** 

		1.17-2.0 19 10.00		TION OPERA				The state of the s		All man death and the control of the	Committee of the
Oxygen h	N Interim i Project	Remedial stignal G Remedial No. 1702	System rid Measure 397-30-1	Number 1		însid	le Trailer	Date Time Weather Temperature Parformed By	01-36'1 36'1 Ope	19/21 -00 /clear ereste 5H	
and the second second second second second second	0,	Genera		anning of the Control	-	<u> </u>	STEPPORO	r (Kegger Ro	Hery Gor	Graf.	antibolomorphic and
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Cycle Precou (L / R)	re *	hligh: Low:	70	77 (psi)	0)	t-Outlet 7	iemperati	ure	189		(F)
Oxygen Reco	iver Pres	csure "	to Balacado actual con	70	Running	Hours			17,28		(hours)
Oxygen Rece (reading from			æ	(psi)	Loading	Hours			11,94	2	(hours)
Oxygen Punt "maximum cest	ing duting	toeding syr			* maximu	m resultagi.	during load	ing eyele Temis (), 15:so-'	Yasa Ten	nan contain aide man vo tail each	Caleston access to transpir pur
Hours: 156	AND WHITE PARTY PROPERTY.	8 8		1.2 Programmy discription in condition regarding men personal deleterary	Conden	sate Pun	ged ( 🕜	The selection of the State of t	isale Em	ptied (Y	)N)
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D20-1-1	25.5	30	76	G77-11-35	(T)	126	17	DW-1-DD	1 00.5	31	128
QW-1-2	66.6	Of.	f.	QV/41-QG	67.0	24	17	Q26444QQ	27.2	36	27
000-1-3	96.3	17	30	OW-1-75	-66,9	17	17	OW-1-11D	99.1	28	27
OW-1-4	E5.0	28	29	OW-res	estr	18	17	012-1-120	03.0	25	28
OW-1-5D	93.9	30	29	044-1-9S	66.0	25	18	OV4-1-12D	84.7	28	128
077-1-60	92.4	36	28	OW-1-108	54.6	22	13	OW-1-14D	84.1-	27	28
ØM-4-70	101.4	28	28	OW-1-44S	50.1	28.	14	-0ML11-16D	.83.3	25	28
OW45-3D	6.43	27	28	OW-1-725	52.6	28	14	001-1-160	82.5	24	13
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OW-1-13S	53.1	126	13	OW-1-170	79.5	32	13	OW-1-21S	49.3	28	11
OW-1-105	52.7	26	14	.DW-1-1cD	78,3	31	25	CAN-1-225	49.3	28	1/
OW-1-15S	52.2	126	13	OW-1-19D	78.9	31	25	OW-1-23S	48.8	29	11
DW-1-16SR	51.6	25	26	OW-1-20D	79.5	30	126	OW-1-24S	48.4	33	11
OW-1-17S	50.7	20	24	OW-1-210	79.5	28	25	OW-1-25S	48.8	28	12
OW-1-18S	50.2	14	12	OW-1-22D	79.5	33	24	OW-1-26S	48.3	30	12
CW-1-195	49.7	of		OW-1-23D	78 7	29	24	OW-1-27S	48.3	26	12
OW-1-20S	49.3	Of	£	OW-1-24D	78.2	29	76	OW-1-28S	48,3	12	12
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OW-1-25D	70.1	28.	26	OW-1-29S	48.5	30	12	OW-1-33D	83.2	28	7=
OW-1-260	78.1	34	26	OW:1-30S	46.8	26	.13	QW-1-34D	84.5	29	28
OW-1-270	77.9	30.	27	OW-1-315	49.3	28	12	OW-1-35D	85.0	37	28
OW-1-26D	78,0	30	26	OW-1-32S	49,3	28	12	OVV-1-36D	85.0	36	28
OW-1-29D	78.4	31	25	OW-1-33S	49.7	76	12	OW-4-37D	434.4)	21	28
OW-1-300	79.0	22	35	OW-1-34S	50.1	29	172	GW-1-30D	52.0	28	26
OW-1-31D	80,5	Of	F	OW-1-35S	50.3	126	13	OW-1-39D	78.0	28	26
OW-1-32D	81.6	30	77	OW-1-369	50.3	30	13	OW-1-40D	76.0	32	25
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DW-1-975	50.5	28	17	OW-1-41D	73.6	22	12	OW-1-43	67.4	31	19
OW-1-385	50.6	30	13	OW-1-42D	71.0	27	20	OW-1-44	66.6	29	18
DW-1-39S	50.7	28	12	OW-1-45	65.7	28	18	OW-1-51R	60.6	32	16
OW-1-465	51.1	29	13	OW-1-46	64.3	28	17	OW-1-52	59.3	33	15
OW-1-415	51.5	30	13	OW-1-47	63.4	37	16	OW-1-53	60.0	30	16
OW-7-425	51.3	30	13	OW-1-48	62.5	27	18	OW-1-54	60.6	.28	15
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Comments:			And the second district of the second distric								

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		621274 676727 110726	
Trailer	Performed general housekeep     Abnormal conditions observed	Yes +	de and out, etc.)
	Other major activities complete	ed Checked f	re extinguister
	4) Supplies needed 450	Spill pad/ budle	+
	5) Visitors Noce		
		OPERATIONAL NOTES	
GA5 Air	2) Oil Level with system unloade	livery Air Pressure is less than S	
	t_ow (red)  3) Oil added 4) Oil changed 5) Oil filter changed 6) Air filter Changed 7) Oil separator changed 8) Terminal strips checked	Yes Yes Yes Yes Yes Yes Yes Yes	No +
AS-30 O	Generator  1) Prefilter changed 2) Coalescing changed	Yes	No +

				TION OPERA							
	njection F Na Interim F Project h		System I id Measure 197-30-1	Number 1	×	fnside	a Trailer T Pi	Date: Time: Weather: 'emperature: erformed By: (Kaesar Ro	3/2/ 203 Warn C, U	opera ayes	
Mar van				í	Compres	-			138		(psi)
Hours		·	136								
Feed Air Pres	sure "		156		Delivery				140		(psi)
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R-1-140	95.5	37	25	OW-1-55	67.3	30	17	-OW-1-0D	80.5	35	28
OW-1-2	96.5	Point	OFF	OW-1-6S	67.0	28	17	OW-1-100	87.2	31	27
DW-1-3	96.3	33	30	OW-1-7S	66.9	32	17	OW-1-11D	.96.1	23	29
OW-1-4	95.0	31	30	OW-1-8S	66.7	30	17	OW-1-12D	85.3	32	28
OW-1-5D	93.9	35	29	OW-1-95	66.0	34	18	OW-1-13D	84.7	28	28
OW-1-6D	92.4	32	28	OW-1-1.0S	54.6	35	12	OW-1-14D	84.1	33	28
OW-1-7D	101.1	32	28	OW-1-11S	54.4	32	14	OW-9-15D	83.3	36	28
OW-1-60	89.6	37	28	OW-1-125	53.6	34	14	OW-1-16D	82.5	28	13
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OW-1-13S	53.1	28	13	OW-1-17D	79.5	33	13	OW-1-21S	49,3	32	11
OW-1-14S	52.7	30	14	OW-1-18D	76.3	32	25	OW-1-22S	49.3	27	10
OW-1-158	52.2	30	13	OW-1-19D	78.9	42	26	OW-1-23S	48.8	38	11
DW-1-16SR	51.8	28	26	OW-1-20D	79.5	30	26	OW-1-24S	48.4	40	11
OW-1-17S	50.7	37	24	OW-1-21D	79.5	31	25	OW-1-25S	48.8	32	12
OW-1-18S	50.2	29	12	OW-1-22D	79.5	32	24	OW-1-26S	48.3	36	12
OW-1-195	49.7	Point	OFF	OW-1-23D	78.7	31	24	OW-1-27S	48.3	30	12
OW-1-20S	49.3	Point	OFF	OW-1-24D	78.2	34	25	DW-1-28S	48.3	43	13
Comments:		kan garan ara ayan sa ara sa					t 30 sci		nination B	anir Q	
_	Depth (ft		psi		Depth (ft)		Injection Bank 9 DTW DO(mg/L) PID				
OW-1-25D	78.1	43	26	OW-1-29S	48.5	30	12	OW-1-33D	83.2	30	28
OW-1-26D	78.1	142	26	OW 1-30S	48.8	36	13	QW-1-34D	84.5	32	28
OW-1-270	77.9	38	27	OW-1-31S	49.3	28	13	OW-1-35D	85.0	28	28
OW-1-28D	78,0	32	26	OW-1-325	49.3	30	12	OW-1-360	85.0	31	28
OW-1-29D	78.4	34	25	OW-1-33S	49.7	26	12	OW-1-37D	84.0	22	28
OW-1-30D	79.0	129	33	OW-1-34S	50.1	35	12	OW-1-36D	82.0	30	26
OW-1-31D	80.5	Point	off	OW-1-35S	50.3	32	13	OW-1-39D	78.0	30	26
OW-1-32D	81.6	33	27	OW-1-36S	50.3	29	13	OW-1-40D	76.0	34	25
				-U		its.set.	Made of the later	and the second second second second			

	njechon Đr	ink 10	my make the days to the same and the	1	njection Br	er sin		M	niection B	mk 12	from repeate or children
***************	Depth (ft)	Barnet and an annual section of the	ps)		Depth (ft)	scfn 1	psi	and the second and the second	Depth (ft	sch	psi
OW-1-37S	50.5	34	13	OW-1-410	73.6	30	32	OW-1-43	67.4	38	19
OW-1-385	50.6	40	13	OW-1-42D	71.0	31	20	OVV-1-44	66.6	29	18
QW-1-39S	50.7	34	12	OW-1-45	65.7	31	18	OW-1-51R	60.6	28	16
OW-1-40S	51,1	32	13	GW-1-46	:64.3	28	17	OW-1-52	59.3	34	15
OW-1-415	51.5	36	13	OW-1-47	63.4	27	16	OW-1-53	60.0	32	16
OW-1-42S	57.3	33	13	OW-7-48	62.5	30	17	OW-1-54	60.0	32	15
The state of the s				OW-1-49	61.5	30	16	A CONTRACTOR OF THE PROPERTY O		)	
-	-			OW-1-50	61.0	28	16	W.			
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artengangan armanahart yangkangan m		<u> </u>		-	$\Delta$				1		
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_	S. Negeror September 1984		X						-		
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Lancon Correct		r Alexandria (1904 - 1904 - 1905 - 1905 - 1904 - 1904 - 1905 - 1905 - 1904 - 1904 - 1904 - 1904 - 1904 - 1904	Date: 3/2/21
		GENERAL SYSTEM NOTES	
Vrailer	Performed general housekeep     Abnormal conditions observed	Yes -	Ma
	3) Other major activities complete	ed None	
	4) Supplies needed	love	
	5) Visitors Nove		
		OPERATIONAL NOTES	
GA5 Air	Compressor	under up de Minus in dichte vor sie der von der in der ein der	and control of control
	2) Oil Level with system unloade	divery Air Pressure is less than d	Yes No Spsi High (orange)
	Low (red)	Yes	ivo ivo
1	6) Oil changed	Vies	No 1
	5) Oil filter changed	Yes	No V
1	6) Air filter Changed	Yes	No /
	7) Oil separator changed	Yes	No.
	8) Terminal strips checked	Yes	No
AS-80 C	), Generator		
	1) Prefilter changed	Yes	No
	2) Coalescing changed	Yes	No J

				CTION OPER. rection Oxy							
Oxygen	Interim		il System Brid il Measur	Number 1			le Trailer	Date Time Weathe Temperature Performed B	1: 3/ 1: 60 1: 00	25/21 0900 0'1, P. exalle (2H	Cloudy
	Q	- Gozen	ile:	Me was a recommendant		Co	TT 10021	or Maccon A	olony Sc	10:13)	
Hours			367	96	Compre	essor Tan	k *		130		(psi)
Feed Air Pre	* 51122		130	(psi)	Deliver	y fide			130	-	(psi)
Cycle Pressu (L / R)	ore:*	High: Low:	70	772 (psi)   14 (psi)	4	t-Outlot 7	omparat	ura	190	2	(°F)
Oxygen Rece	eiver Pre			(psi)	Runnin	g Hours			1807	+	(hours)
Oxygen Reco (reading from		nk)		110	Loading	Hours			1247	4	(hours)
Oxygen Purit *.maximum test	ding during	toading cy		5	* maximu	m-reading o	world Transportation and a	The second second			
	-	Percy (	Persover	j.	1		GET.	Parch Criticox	Terie		-
Hours: <u>256</u>	and the second second		-		Conden	isate Pur	ged (V)	N) Conde	nsate En	nptied (	(NG
	Injection F Depth (fi		ansi		Dection B	Control of the last of the las	oni /		Injection ( Death fi	the same of the sa	pai
- C00-4-11	15.5	126	27	ADVI-18-55	67.3	126	17	QW-1-9D	62.5	30	28
OW-1-2	90.5	Of	f	OW41-65	67.0	30	18	OW-1-100	87.2	20	27
0#1-9	96,3	18	30	OW-1-75	66.9	58	17	OW-1-11D	.96.1	25	29
ON-1-6	05.0	26	30	OW-1-6S	66.7	28	17	OW-1-120	85.3	21	28
OWL1-5D	93.9	30	29	OW-1-85	85,0	.74	18	OV#-1-13D	64.7	25	28
OW-1-6D	92.4	28	28	OW-1-10S	54.6	22	13	OW-1-14D	84.1	16	129
OW-1-7D	184.11	35	28	OW-1-145	158.4	28	14	OW-1-15D	83.3	26	28
OW-1-5D	69.6	122	29	QW-1-125	53.6	79	14	O%41-16D	82.5	16	17
Oomments:				A	li Poin	is set at	i 20 scí	h			
Notes:							-	100		W	
							+				

	Cooth M	0.203740414	1054	Application of the same of the	Injection T Ocoth di		osi		imection f Danih (2	A. BOOK A. WINNESS STORY	p.
OW-1-13S	53.1	126	14	OW-1-170	79.5	125	14	OW-1-21S	49.3	24	111
DW1-143	52.7	126	14	DW-1-1CD	76,3	128	25	OW-1-22S	49.3	127	11
OW-1-15S	52.2	25	13	OW-1-19D	78.9	28	26	OW-1-23S	48.8	25	11
OW-1-16SR	51.8	30	26	OW-1-20D	79.5	28	76	OW-1-24S	48,4	23	11
OW-1-17S	50.7	16	25	OW-1-210	79.5	27	25	OW-1-258	48.8	24	17
OW-1-18S	50.2	25	12	OW-1-22D	79.5	23	24	OW-1-26S	48.3	23	13
OW-1-19S	49.7	06	f	OW-1-23D	78,7	23	24	OW-1-279	48.3	30	13
OW-1-265	40.3	0	ff	OW-1-24D	78.2	22	76	OW-1-28S	48,3	10	14
	nicction B Depth (fi)	6-22-00	ופק		niection B Depth (ft)		hijacken Bonk 9 DTW DO(mg/L) Pic				
NATIONAL MARKET		6-22-00	militar da maria de provincia de principa de constitucio de constitución de co					1	niection E	onk 9	
OW-1-25D	78.1	18.	71	OW-1-29S	48.5	28	12	OW-1-33D	83.2	30	28
OWL1-26D	78.1	w	26	OW:1-30S	48.8	25	13	OW-1-34D	84.5	29	28
OW-1-270	77.9	24.	77	OW-1-315	49.3	28	13	OW-1-350	85.0	52	17
OVV-1-28D	78.0	17	26	OW-1-325	49,3	28	12	Q45-1-46D	85.0	28	29
OW-1-20D	78.4	25	25	-OW-1-385	49.7	26	12	ON-1-37D	94.0	16	78
OW-1-300	79.0	27	37	OW-1-345	50,1	24	n	GW-1-36D	82.0	32	17
OW-1-31D	80,5	of.		OW-1-35S	50.3	24	13	OW-1-39D	78.0	28	26
OW-1-32D	a1.6	26	£18	CDE-1-WO	50.3	フロ	13	OV-1-40D	76.0	50	16
			-		- NAMED OF PARTICULAR PROPERTY PARTICULAR PROPE	Accession of the Contract of t	Marine Ma			Anna anna anna	de-

and a property of the second		OXYG Hemps	EN INJE	TION OPER.	ATION A	IND MAI	NTEMAN madial 0	Date CE LOG SHE	The Party of the P	15/2	)
							Librories C	Volume Redding	er t		Titl Contest
	Depth (ft		051		Injection 8 Depth (fi		psi ?		Donth M		-
OW-1-37S	50.5	28	12	OW-1-41D	79.6	28	122	OW-1-43	Depth (fi	30	20
OW-1-385	50.6	176	13	OW-1-42D	71.0	34	70	OW-1-44	66.6	28	18
OV/-1-39S	50.7	25	172	OW145	65.7	32	19	OWA1-51R	60.6	30	16
OW-1-465	51,1	30	19	QNAV-1-46	.64.3	36	17	OW-1-52	59.3	50	io
OW-1-415	51.5	37	14	OVV-1-47	63.4	32	17	OW-1-53	60.9	27	16
OW-1-428	51.3	70	14	OW-1-46	62.5	30	18	OW-1-54	60.0	18	16
-	-			OW-1-49	61.5	30	16	-			C mapped to
-	-			OW-1-50	61.0	29	16				-
	Dente to	A CONTRACTOR OF								Diblocati.)	D
	ing clien 2 Octob 100	3	ma (		n action C Case (A		ngi	-	njerijon S Dava		Di
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									and the same of th		we considerate
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1											
	4		The best of the last of the la	1		-					Assessment
		- PORMING COMP	A Property	1	, i	1	31	1		4	
				Al loss company				The section of the se			il beneveron
And the second s									Section 1	Action of the State of the Stat	
Control Marie Control				and the second of the second o			And the second s	According to the control of the cont	The second secon		
omments:				All	point	308.45	30 55%		And the state of t		

	4				3/2/
		ALIMAN CORPA D. CALLARY	The second second second second	D	ate: 3/25/20
railer		GENERAL SYSTEM	ROTES		
anci	1) Performed general housekee	oing (i.e. sweep, collect	t trash inside a	ind out, atc.)	
	Abnormal conditions observe		NA	(\$10°07	
	3) Other major activities comple	ied NA			The state of the s
	4) Supplies needed NA				
	5) Visitors NA				
		OPERATIONAL N	ortes		
45 Air	Compressor		Market		
	1) Oil Level Checked with system	n unloaded°	Yes	X	No
	* Unload system, wait until De	livery Air Pressure is k	as than 9 psi		
	<ol><li>Oil Level with system unloade</li></ol>	d	- /		
	Low (red)	Normal (gree	en) 🗡 i	High (orange)	
	3) Oit added	Yes	Solding Sales (Section)	No.	7
	4) Citichanged	Yes		ado	7
		2100		Mo	7
	5) Oil filter changed	Yes		140	+
	6) Air filter Changed	Yes		No	#
	Air filter Changed     Oil separator changed	Yes			<b>美</b>
	6) Air filter Changed     7) Oil separator changed     8) Terminal strips checked	Yes Yes Yes		No	キ
S-80 O	Air filter Changed     Oil separator changed	Yes		No No	To the second se
S-80 O.	6) Air filter Changed     7) Oil separator changed     8) Terminal strips checked	Yes		No No	<del>美</del> <del>*</del>

	0	XYGEN	INJECTIO	tion Oxyger	ION AND	n Remet	lial Syste	OG SHEET	2		
150 L	He Littop Ave	Hemns	stead, NY	Julian Oxyger				Date:	1/19/	13	
Oxygen Inje	ction Rec	nedial S	vstem Nu	mber 2				Time:	3.00	030	
Oxygen mje	Natio	nal Grid				Orabina a		Weather: _	JA	000	
in	terim Rei	nedial M	leasure			Inside 7	railer Ter	nperature: formed By:	2 N	AKALA	ראמ
Pi	oject No.	170289	7-30-1			Coror		Kaesar Rota			1
	O <sub>2</sub> G	enerato	r			Comp	7103301 (1	1100000	10		
lours			9934		Compress	or Tank *			119		osi)
eed Air Pressi	ıre *	1	7 <sub>0</sub> /_(b	si)	Delivery A	ir		-	116		osi)
Cycle Pressure		igh: _	60	(psi) (psi)	Element C	Outlet Ter	mperature	.2	9942	(0	F)
(L / R) Oxygen Receiv		ow: .ire *	V I		Running H	Hours			,8943	,	nours)
Oxygen Receiv				osi)	Loading F	lours			5933	5 (	hours)
reading from b			-	125							
Oxygen Purity			70.3	osi) percent)							
maximum readir	g during lo	ading cycl	е	COURT AND A COURT OF THE COURT	* maximum	reading du	ring toading	cycle ink & Eco-D	rain		
E	Booster I	oump (P	owerex)				Air 18			0	
Hours: 00	999.9	9 3	roken	7	Condens	ate Purg	ed(Y)N		sate Emp		N)
1	njection Ba		psi		Injection Ba Depth (ft)	nk 2 scfh	psi		Depth (ft)	scfh	psi
OW-2-2	90.2	sofh 30	300	OW-2-9S	75.0	22	19.5	OW-2-10D	97.2	31	710
OW-2-3	94.3	21	19.0	OW-2-10S	75.0	20	300	OW-2-11D	100.3	39	31.0
OW-2-4	94.7	22	370	OW-2-11S	76.5	25	7.5	OW-2-12	94.0	32	M.5
OW-2-5	95,3	29	29.5	OW-2-13S	75 0	21	18.5	OW-2-13D	97.0	o र्र	064
QW-2-6	95.7	27	30.0	OW-2-15S	75.0	30	18.5	OW-2-14	96.4	31	29,0
OW-2-7	96.0	30		OW-2-16S	75.5	29	190	OW-2-15D	94.6	30	
OW-2-8	96.3	29	295	OW-2-18S	74.5	27	185	OW-2-16D	94.1	40	255
OW-2-9D	96.7	29	30.0	OW 2-20S	79.0	37	ಬಾ	OW-2-17	95.0	30	29.5
Comments:	1	1,			All Poin	its set a	at 30 sc	fh			
Notes:							<u> </u>	and the second assessment			

	F	lempster	ad Inter	section Oxy	gen Injec	eion ite.	nediai S	CE LOG SHEE	Injection B		nei
	jection Bar Depth (ft)	nk 4 sciin	psi	J	Depth (ft)		psi	1	Depth (ft)	scfh	psi
DW-2-18D	95.5	31	29.5	OW-2-22S	76.0	31	20.0	OW-2-26D	95.0	29	310
OW-2-19	96.1	37	295	OW-2-24S	77.8	31	21.0	OW-2-27	93.5	30	290
OW-2-20D	96.6	31	55	OW-2-26S	74.0	30	19.5	OW-2-28D	92.1	31	260
OW-2-21	96.6	30	28.0	OW-2-28S	76.0	30	20.5	OW-2-29	92.2	29	78.5
OW-2-22D	96.3	31	280		67.8	32	16.5	OW-2-30D	88.0	31	25.5
OW-2-23	97.2	POINT	OFF	OW-2-34	71.0	31	19.	OW-2-31	86.0	27	25.5
OW-2-24D	97.0	POINT	OFF	OW-2-35	69.2	29	20.	5 OW-2-32	84.0	30	245
QW-2-25	96.0	0	2.5	OW-2-36	64.8	30	19.	QW-2-33	82.0	30	25.0
	Injection Depth (		psi		Injectio Depth	n Bank 8 (ft) scf	h <u>p</u> s	Si			
and the same of th	Depth (		psi	OW-2-4							
OW-2-37	62.8	27	119.5				-				
OW-2-38	62.1	179	19.5	OW-2-	46 61	.0 31	114	0		-	
OW-2-39	60.0	27	- 17.	OW-2-	47 60	1.5 3	7 9	5		_	
OW-2-40	61.	7 POII				-					
OW-2-24	1 61.	7 2	1 9	5 -		-					
OW-2-4	2 61	.6 Z <sup>3</sup>	1 19.	5 -		-					
OW-2-4	3 61	.4 PO	INT C	FF -		-		-		-	-
OW-2-4	4R 60	0.6 2	7 19	.5		-				-	-
Comme	nts:				All	points	set at 3	30 scfh	ng gyannan da pinnahan ada ada da	a tryange and the parameter that	

	Date: 1 19 21
	GENERAL SYSTEM NOTES
	the state of the s
ailer	Performed general housekeeping (i.e. sweep, collect trash inside and out, etc.)     No     No
	Yes
	Yes
	100000
	3) Other major activities completed CHCLED ACC CHCLED
	3) Other Major activities Sent Lex TIUQUITHER
	3) Other major activities completed CHCLED AUD UPDATED
	4) Supplies needed んない
	The state of the s
	5) Visitors GEORGE HOLMES GEI)
	5) VISIOIS
	OPERATIONAL NOTES
205 0	ir Compressor Yes V No
JAJ A	The state of the s
JAJ F	1) Oil Level Checked with system unloaded*
3K3 K	Oil Level Checked with system unloaded     Unload system, wait until Delivery Air Pressure is less than 9 ps     Unload system, wait until Delivery Air Pressure is less than 9 ps
SAS A	4) Oil Level Checked with system unloaded  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  *
JAO A	Oil Level Checked with system unloaded     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is l
JAO A	Oil Level Checked with system unloaded     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system, wait until Delivery Air Pressure is less than 9 ps     * Unload system unloaded
	1) Oil Level Checked with system unidaded  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system unloaded  * No
	1) Oil Level Checked with system unidaded  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  *
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	1) Oil Level Checked with system unloaded  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system is less than 9 ps
	1) Oil Level Checked with system unloaded  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system, wait until Delivery Air Pressure is less than 9 ps  * Unload system until Delivery Air Pressure is less than 9 ps  * Unload system until Delivery Air Pressure is less than 9 ps  * Unload system until Delivery Air Pressure is less than 9 ps  * Unload system until Delivery Air Pressure is less than 9 ps  * Unload system until Delivery Air Pressure is less than 9 ps  * Unload system until Delivery Air Pressure is less than 9 ps  * Unload system until Delivery Air Pre

DRYER IN THE BLUE.
TRIED RESULTING SYSTEM DRYER

	O2	(YGEN I	NJECTIO Intersec	N OPERATI	Injectio	n Remet	tial Syste	HI MAHINET Z.	1		
Oxygen Injec	ilton Ave bion Ren Natio erim Ren	. Hemps nedial Sy nal Grid nedial Me	tead, NY stem Nur easure	1			Trailer Ter	Date: Time: Weather: nperature:	36° -3	17/2/20 36W	50
Pr	oject No.	1702897 enerator	7-30-1		machine with the Wilders & Annie 12 of the	Com		Gesar Rotar	y Screw	)	
	U2 (3)	1		1				-	16	(ps	I (iz
iours		0	244	1 10	Compress	or fank					
God Air Pressu	ке *	-	76 (ps	si) E	elivery A	ir		-	01_	(ps	
Dycle Pressure		igh:	38	39 (psi) E	Element C	outlet Ter	mperature	*****	970	(°F	
(L / R) Oxygen Receiv		ure "	0		Running t	<i>dours</i>		Õ	1 100	(h	ours)
Oxygen Receiv	er Tank !	Pressure		osi) \23	Loading l	-lours		6	975	<sub>d)</sub> C	ours)
(reading from b	lue tank)		_	osi) percent)							
Oxygen Purity * maximum readir	g during lo	eging cycle	9		* mencinaum	neading du	uring foading	rcycle ink & Eco-Dr	ain.		
E.	looster l	ound (P	owerex)								N. V
Hours:	0990	1.8	Broke				ed (V) N		ate Emp	-	N)
11	vection Ba		psi		injection Pa	nk.2 sofh	psi		Depth (ft)	acth	psi
OW-2-2	90.2	30	30.0	OW-2-9S	75.0	33	20.0	OW-2-10D	97.2	23	275
OW-2-3	54.5	37	29.5	OW-2-10S	75.0	50	30.5	OW-2-11D	100.8	31	32,0
OW-2-4	94.7	32	35.5	OW-2-11S	76,5	31	0.0	OW-2-12	94.0	29	140
OW-2-5	95.3	35	29,5	OW-2-13S	75.0	40	190	OW-2-13D	97.0	0.	
OW-2-6	95.7	37	30.5	OW-2-15S	75,0	32	19.0	OW-2-14	96.4	37	28.5
OW-2-7	96.0	37	79.5	ÓVV-2-16S	75,5	40	P. S	OW-2-15D	34.6	35	30.6
OW-2-8	95,3	35	300	OW-2-18S	74.5	40	19.0	OW-2-16D	94.1	131	76.5
OW-2-90	99.7	31	30,0	1	79.0	29	1210	CW-2-17	95.0	6)	19.
Comments:				3	All Poir	nts set :	at 30 sc	fh 			
Notes:											

por prima il present il delle proposare delle	He	empstead	Interse	etion Oxyge	n Inject	ion Ren	nediai Sys	LOG SHEE tem Numbe			
	jection Bank Depth (fl)		psi		pection Ba	nk 5 sch	D91 '		jection Ba Dopth (ft)	scin	psi
DW-2-18D			20	OW-2-22S	76.0	30	19.5	OW-2-26D	95.0	32	310
OW-2-19	-		20	OW-2-24S	77.8	29	23.5	OW-2-27	93.5	31	230
OW-2-20D			5.5	OW-2-26S	74.0	31	19.0	OVV-2-28D	92,1	51	265
OW-2-21	-		17.5	OW-2-28S	76.0	31	19.5	OW-2-29	92.2	36	1283
OW-2-22D	96.3		27.0	OW-2-30S	67.8	27	165	OW-2 30D	98.0	30	255
OW-2-23	97.2	POINT	OFF	OW-2-34	71.0	30	19,0	OW-2-31	86.0	30	1260
OW-2-24D	97.0	POINT	OFF	OW-2-35	69.2	30	21.0	OW-2-32	84.0	24	24.5
OW-2-25	96.0	099	\$ Bro	OW-2-36	64.8	30	18.0	QW-2-33	82.0	34	25.5
	Injection Ba	ank 7 scfn	psi		Injection Depth (		psi psi				1
OW-2-37	62.6	41	19.5	OW-2-45	61.1	131	19.5				
OW-2-38	62.1	51	19.0	OW-2-46	61.0	30					
OW-2-39	60.0	47	M.5	OW-2-47	60.5	3	19.0				
OW-2-40	61.7	POINT	OFF		-						_
OVV-2-241	61.7	41	130		-						-
OW-2-42	81.6	44	PO	-	-						
OW-2-43	61.4	POINT	OFF	-							
OW-2-44F	30.6	40	19,3	-	-						
Comments	3; 				All po	ints s	et at 30 s	scfh		The second parameter as the second	

		Date. 9 25 21
		SENERAL SYSTEM NOTES
ailer	Performed general housekeepin     Abnormal conditions observed (	ng (i.e. sweep, collect trash inside and out, etc.) Yes No (e.g. vandalism) NONE
	3) Other major activities complete:	CHECKEN AND UPDATED INDUSTRIAL COMPRESSOR
	5) Visitors None	
	0) Mariona	OPERATIONAL NOTES /
BA5 Ai	r Compressor	OPERATIONAL NOTES  Trunloaded® Yes No  Iivery Air Pressure is less than 9 psi

\* Compressor PSI WILL NOT PASS 70 x AIRSER INJECTION WILL NOT PASS 50

	O)	(YGEN I	NJECTIO Intersec	N OPERA!	n Injection	n Remed	ial Syste	OG SHEET m Number 2	<del>5157</del>	<del>/3</del> ==	
158 H	finn Ave	Hemps	tead, NY	‡			<del></del>	مارتاجها فرو	3/25	121-	
Oxygen Injec	tion Ren	nediai <b>S</b> y	stern Nun	nber 2				Time: Weather:	$\frac{1000}{505.0}$		
	Natio	nal Grid		1		imaide."	reder Tor	nperature: 4	JUSTE /	Sociati	aral
inte	erim Ren	nedial î <b>v</b> îl	easure			mside i	Period	omed By:	C. Ha	ues	
Pn	ject No.	170289	7-30-1			Como	ressor (	(aesar Rotas			
	O <sub>2</sub> G	enerator	-:-			• • • • •					_ [
iours		<u>6</u>	0,862	ŀ	Compress	or Tank *			78	(ps	1
eed Air Pressu	<b>6</b> 8 *		<u> 18 (m</u>	i)	Delivery A	ir		_	<u> 18 </u>	(pr	)   
Dycle Pressure	* 1H)	igh:	53   5		Element C	outlet Ten	nperature		172	(°F	5)
(L/R)	, Lo	env:	Ø	(psi)		}			10,228	(h	ours)
Oxygen Receive	er Pressu	ıre *			Running t	TOURS		_	<u> </u>		1
Oxygen Receiv	er Tank I	Pressure		si) 124	Loading F	lours		<u>(</u>	0829	(h	iours)
(reading from b	ine rain)		- <del>-</del>	osi)	1						11
			63.2								
Oxygen Purity	نصار بدیدان باشد بد				* manimum	acading de	ning foading	i clicle			
nipser migrajxem.	coster i	District (D)	maroway)				Air Ta	ınk & Eco-Di	ain:		
						_		Condons	ote Emr	otied (Y)	N)
Hours: 009	99.99	Brok	en		Condens	ate Purge		) Condens	ate Link		,
10013		7			miection En	rok 9		1	vection Ba	nk S	
55	jertion Ba		4		Depth (ft)	acth Scth	<u>psi</u>	•	Depth (ft)	<u>scfn</u>	<u>psi</u>
OW-2-2	90.2	33	30.0	OW-2-98	75.0	27	205	OW-2-10D	97.2	24	27.0
OW-2-3	54.3	34	30.0	OW-2-10S	7.5.0	34	31.0	OW-2-11D	100.8	25	325
0W-2-4	94.7		3 <b>8</b> .0	OW-2-11S	76.5	26	7.0	. OW-2-12	94.0	29	19.0
OW-2-5	95.3	30	30.0	014-2-138	75.0	29	19.0	QW-2-13D	97.0	710	Ø
OW-2-6	95.7	31	31.0	OW-2-75S	75,0	27	19.0	OW-2-14	98.4	28	29.0
OW-2-7	96.0	30	30.0	OW-2-165	75.5	26	195	OW-2-15D	94.6	26	304
CW-2-8	96.3	30	30.0	OW-2-18S	74.5	26	19.0	OW-2-16D	94.1	22	27.0
OW-2-90	95.7	28	300	CW-2-209	7.9.0	25	21.0	'OW-2-17	95:0	23	28.0
UV-2-55		100	ــــــــــــــــــــــــــــــــــــــ	<u></u>			- 20 a	√5/5 <sub>3</sub>			
Comments:					All Poir	ns sək t	ni ou sc	: <b>Q: B</b> / <b>B</b>			
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<u></u>											
ivotes:											
										•	
T.											

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	ijection Bai Depth (fit)	nk 4 sc#h	psi	-	Depih (fi)	<u>scfn</u>	<u>1991</u>	1	Oepth (fi)	<u>scin</u>	<u>psi</u>
OW-2-18D	95.5	21	30.0	OW-2-22S	76.0	25	20,0	OW-2-26D	95.0.		36.0
OW-2-19	96.1	20	295	OW-2-24S	77.8	<i>ે</i> એ	26.0	OW-2-27	93.5	27	27.5
OW-2-20D	96.6	17	5.D	OW-2-26S	74.C	24	190	OW-2-28D	92.1	33	27.5
OW-2-21	96,6	23	28,0	OW-2-28S	76.0	26	20.5	OW-2-29	92.2	28	28.0
OW-2-22D	96.3	23	27.5	OW-2-30S	67.8	24	165	OW-2-30D	88.0	33	26.0
OW-2-23	97.2	POINT	OFF	OW-2-34	71.0	24	19.5	OW-2-31	86.0	28	280
OW-2-24D	97.0	POINT	OFF	OW-2-35	69.2	25	21.5	OW-2-32	84.0	26	25.0
OW-2-25	96.0	710	Ø	OW-2-38	64.8	24	18.0	OVV-2-33	62.0	27	26.0
Apple - Apple	Injection Depth (		psi		Injection Depth (	(ft) scfn	-		-		
			psi			(ft) scfn			<u> </u>		
OW-2-37	62.8	26	, 20.0	OW-2-45	61.1		19.5	_	-		
OW-2-38	62.1	26	, 19.0	OW-2-46	61.0	2	+ 19.0				
OW-2-38	60.0	38	5 18.0	) OW-2-47	60.	5 20	0 19.	0		_	
OW-2-40	61.5	POIN	IT OF	-	_				_		
OW-2-24	61.	, 20	1 19.	5	-				-		-
OW-2-42	2 <b>6</b> 1.	· 2	5 19	5 -							_
OW-2-4	3 61	4 POI	NT OF	F				-		-   -	
OW-2-44	IR 50	.6 2	2 19.	5		-		-			
Commer	ils:				All p	oints s	et at 30	scfh			

	Date: 3/25/21
	GENERAL SYSTEM NOTES
Traile	
	3) Other major activities completed Checked Five Extinguisher
	4) Supplies needed Nove
	5) Visitors
	5 Air Compressor  1) Oil Level Checked with system enloaded  * Unload system, wait until Delivery Air Pressure is less than 9 psi  2) Oil Level with system unloaded  Low (red)  Normal (green)  High (orange)  No  No  Oil added  4) Oil changed  5) Oil filter changed  6) Air filter Changed  7) Oil separator changed  8) Terminal strips checked  Yes  No  Occupantor
AS	S-80 O <sub>2</sub> Generator  1) Prefilter changed  Yes  Yes  Yes  Yes  You  Yes

	Ha	rigeni Cigeni	interse	ON OPERATION OXYGEN	Injection	Remec	ifal Syste	m Number Date:	·	120	
				į.		*		Time:	0800	7 -	
Oxygen Injec	ction Ren	nediai Sy	ıstem Nu	mber 1				Weather.	Malis	Sictor	ر به
	Natio	mal Grid		į.		Inside 1	Trailer Te	mnerskipe.	Ne	LALLE	1
int	erim Rier	nedial IV Pedial	<del>03</del> 501€ 7.30_1				يها ا	formed By:	MIKE A	will	
H.D	ojact No.	enerato	5: ************************************			Com	presor (	Kaesar Rota	iry Screw	()	
	202 0								135	lı	osi)
lours		)	3972	C	ompresso	or Tank"	1	-	13-	V	
Ma				1	•				140	£1	rsi)
eed Air Pressu	are .		135		elivety Ai	£		-	1 10		
						and the state of t	un avan panal ( ) Pa	n	198_	Д	°F) ∫
Cycle Pressure	* 温	ligh:			lement 0	wigi i di	Properties.		1 1 -	٠.	. * .,
(L/R)		ow:	2	4 (psi)					15337	• (	hours)
oxygen Receive	er Pressi	ure "		The same of the same of	tunning H	lours				`	
eng gann i an an			(a	(iac					10629	(	(hours)
Oxygen Receiv	er Tank	Pressure	<u>P</u>	113	oading H	rours			<u> </u>		-
reading from b	fue tank)	}				•					
(रक्षक्रवसम्बद्धाः ज्ञु स्वयस्य व			a (	pei)							
Oxygen Purity		•	11.2	percent)		e: -	. 1 # a att-	m mirdo			
maximum restin	n chuing to	ading aya	8		LUSHMANIA,	resulting 6	AUG 10200	gayor Mik & Eco-X	leain		
- Anna	coster i	Pump (P	oweren				POLY E			~	
	660.1		Har	curren	Condens	ate Puro	ed (V)	i) Conder	sate Emp	rtied (Y	/N)
Hours:			NEED	e arcenent				,	Injection Be		
	ilection Ba	rrk 1		i i	ilection Be				Death (h)	sch_	75
3.	Cerio (II)	ach	.023		Pech (fi)	<u>sit</u>	<u> </u>			A PARTY NAMED IN COLUMN TWO	The second second second
- COMP-1-4	25.5	30	26	W#-448	437.23 1	34	16	.C/#44-910	60.5	32	27
OW-1-2	95.5	Pour	æç	O1V-1-6S	67.0	32	16	04414100	87.2	32	26
DW-1-3	98.5	30	30	ON-1-75	66:9	36	16	-0W-1-11D	26.1	36	28
OW-1-4	95,0:	28	29	QW-1-65	69.7	46	16	01/1-1-120	85.3	36	27
098-1-5		46	10.		<del>}</del>	1		21224 4 953	94.7	28	28
OV44-5D	93.9	37.	28	OM:1-82	65.0	42	17	0,002-1-130	Gap. I		1-
Park Louis			1-	<u> </u>	<del></del>	1	1	018144	84.1	32	28
OW-1-6D	92.4	28	28	OW-1-108	54.6	50	12	0W-1-14D		1	120
	1	1-0	1		1		12	OW-11-15D	.83.2	36	28
309AV-1-74D	1 104.1	32	28	OW-4-11S	350.4	38	13	Jen-4-45D		<del> </del>	120
OW-1-8D	22.6	30	28	OW-1-125	53.6	36	14	098-1-160	62.5	28	13
CAN-1-OFT			J	1	ا ا			_ 55h_	The second second second		
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	(	OXYGEN	INJECT	ON OPERI	MONTA	WD:N rottos	iaint) Reou	enialiu Siedo	ie LL Mino	. Mumbei	ą		
	ż	empste	ad Inters						1	Aut	ection Sa	nk G	
	jection De	kA			Unicotion Cleath (		cák	150			desth (fi)	SCA	THE .
	Clendh (fil)	sch	. 7	OV41-17D	79.5	-	4	1.3	) o	W-1-218	49.3	,30	10
DNA-1-135	53.1	32	+2		1			24	0	W-1-238	49,8	28	D
3W-1-148	-52.7	32	13	OMP-14D	78.3		6		-	W-1-29S	48.8	32	10
QW-1-168	52.2	30	12	OW-1-19D	78.5		니	25	_	W-1-248	48:4	42	10
OW-1-165R	51.8	32	25	OW-1-200	79.	5 2	24	25	_	-	}	34	12.
OW-1-178	50.7	34	24	OW-1-21E	79	.5	26	24		OW-1-259	46,8	21	12
OW-1-18S	50.2	32	11	OW-1-221	79	15	26	24		OW-1-265	46.3		12
CONTRACTOR OF THE PARTY OF THE	49.7	Port		OW-1-23	D 71	8,7	28	24		OW-1-27S	48.3		
OW-1-195	-	Boin		O92-1-24	D 77	8.2	24	25		UW-1-26S	40.3	22	13
OW-1-203	49.3	יוטטון	1 011	<u> </u>		الســــــــــــــــــــــــــــــــــــ		-0.00 -0.00	an de la constante				
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	Death	1		*	295	40.5	27	2 12	_	OM-1-33	) <b>8</b> 3	<sup>12</sup> 31	> 27
Oyv-1-25	76.	1 28	4			48.8	2	2 1	2.	OVV-1-34	D B	.₅ ∫ 3	2 28
OW-1-26	78	1 29	\$ 25	S OW 1-	302	-414.00	1		utal Esperantes	OW-1-35	n 8	50 4	2 2
0/4/-1-2	70 7	.0 3	0 21	P OAY-1-	-315	49.3	20	1 11	2			<del></del> -	
OW-1-2		10 2	8 2	5 000-1	-325	49.3	3	0	12	DW-1-3	50   6	5.0 3	18 2
	-			-	1-898	49.7	3	2	12	OHV-9-3	70	84.0 2	4 2
OW-1	PERD 7			<u> </u>		50 1		30	<u>.                                    </u>	CW-1-	36Đ	520	30 2
OW-1-	2000 T	1		)Z	1-305					OW-1-	-39D	78.0	36 2
OW-1	-31D	80.5	Polati	OFF OW	-1-355	50.			12				34 2
OW-	-320	51.6	32	27 00	£36£-1-\$	50	3 1	28	13	OW-1	-40D [	76.0	
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Control					· 20.				<del></del> -	***************************************			
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Procedure   Seath   10     Procedure   Seath   11   Procedure   Seath   12   Procedure   Seath   13   Procedure   Seath   14   Procedure   Seath   15   Procedure   1		i i	OHYGER lemester	INJECT	Ton operat ection Oxyge	Ton And In Intecti	) WAINT on Barr	TENANCI edial Syc				
Seph.right		ection Bar	k 10		<u>kaj</u>	ection Sant	(44		ţn	ection Bar	son y	
OWN-1-99S	1	1			OW-1-41D	73.6	38	22	OW-1-43	67.4		
OWN-1-99S		50.6		1/	OW-1-42D	71.0	36	19	OW-1-44	56.6		
OM-1-405 51.5 28 12 OW-1-47 62.4 36 16 OM-1-52 60.6 30 15  OM-1-415 51.5 28 12 OW-1-46 62.5 32 17 OW-1-54 60.6 38 14  OM-1-425 91.3 34 12 OW-1-46 61.5 32 15  OM-1-50 61.0 36 15  OM-1-50	OW-1-39S	50.7	-		QW-1-45	65:7	34	18	QW-1-51R	60.6		
OW-1-415 51.5 2.8 12 OW-1-47 62.5 32 17 OW-1-54 60.6 38 19  CW-1-425 51.3 3-4 12 OW-1-46 62.5 32 17 OW-1-54 60.6 38 19  Comments:  AM Points set at 36 soft  Inspire Set at 36 soft  Death (6) only only only only only only only only	CNH-1-405	51,9	34	12	OW-1-48	64.3	36	16	GW-1-52	59.3		J
COM-7-425 51.3 3.4 12 OW-7-46 62.5 32 17 OW-7-54 66.6 36 77  - OW-1-50 51.0 32 15	OW-1-415	51.5	28	12	OW-1-47	63.4	36	16		60.0	<u> </u>	
Comments: All Points set at 30 som    Comments   Commen	OW-1-42S	5†.3		12	OW-1-46	62.5	32	17	OVV-1-54	60.0	38	
Comments: All Points set at 30 sorts  Incasion Cont. Decision Cont					OW-1-49	/G1.5	32			-		
Incession Const.  Description		-			OW-1-50	61/0	36	15	**			
Comments: All points set at 30 och											Y DOG	H. 120
45	Camer	ene:				All	eimioc	561-61	s sch	angunga at Angung Sangung Sang	And the second s	وخامقا ويقدمون المديد والمديد والمديد

ar din make dipira make make.	Date: 10/26/20
	general system notes
iller	1) Performed general housekeeping (i.e. sweep) collect trash inside and out, etc.)  Yes  NONE  2) Abnormal conditions observed (e.g. vandalism)  NONE  3) Other major activities completed  ADDED  2 073 9/4
	5) Visitors None
	Teminal strips checked  OPERATIONAL NOTES  OPERATIONAL NOTES  Yes No  Yes No  No  Notice of Checked with system unloaded Yes Unload system, wait until Delivery Air Pressure is less than 9 psi  Notice of the changed Yes No  Yes No  Yes No  No  Yes No  No  Yes No  No  No  Yes No  No  No  Yes No
<u>AS-84</u>	1) Prefilter changed Yes No Yes No Yes

	YXO	GEN IN.	iection dersecti	OPERATIO	Injection	Remedia	System	Date:	1/23	20	
				R Y				Time:	0'800'	20	
Oxygen Injectio	n Reme Nations	dial Systi J Crid	em wumi	ngı ı					A 1	<u> 201-</u> U	
Intari	m Remo	dial Mea	sure	ر م	ŗ	nside Tra	ner renn Perío	perature: med By: C aesar Rotary :	resure	Holme	
Prop	ict Na. 1	702887-	30-1	1.		Comun	eser (K	esar Rolary	Screw)		
	O <sub>2</sub> Ges	eraior							214	O (psi	\ \{\}
		240	124	c	ompressor	Tank*		174		~ (lsc.	
lours				1	#4			13	19	(pe	
esd Air Pressure	Č.	140		) P	eliveny Air			نــ ر			
Section of the sectio			/ -	all reside	lement OL	ded Tama	million	1	71	i(F	
Cycle Pressure "	H	hr. <u>'7</u>	<del>-/,,</del>	24 (psi) E	y Algor (S. K. Goden) (P. A. W. ) Table (See			. (	992	the	ours)
(L / R)	Lov	ووجوان أما	2/-	73 F	kunning Ho	ours		13	१९२	£11C	,
Oxygen Receiver	Pressut	e "	(pa	fix					062	(h	ours)
Oxygen Receiver	. Tank P	ressure		į	Loading Ho	פזענ		<del></del>		•	
(reading from blu	e ranki)	Cappe.	1	15							
  (Legamy.nam.nc	INC. PONT 41.4%	_	(p	si)							
Oxygen Purity			6.9	ercent)	* manimum 1	estine é e	ing loading	cycle			
ll	during los	ding cyclo		-31	1155511435000		Air ta	sk & Eco-Dra	<b>153</b>		
	oster P	and the	Not				a Wa	) Condensa	te Empl	ied (Y/	N)
Hours:156	60.0	8	Not ope-at∜	mal	Condense	ite Purge	a (D) w				
41			Ope-air		i Injection Bar	<u> </u>	P. S.		ection Bar epih (fil)	<u>ach</u>	
	ection Elan Levin (fi)	k.1 acih			Oresto (file)	<u> </u>				THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COL	28
		~ ~		ANN 4-25	672	26	17	- 10444-9D	<b>69.5</b>	32	
OW-4-1	35.5	20	26		11			OWE1-100	27.2	26	27
ON1-2	99.5	incl		OW-1-65	67.0	28	17	0.04-15.48			
000-1-4		<u> </u>		ON-1-75	6.68	76	16	OW-1-11D	.88.1	28	29
CW-1-3	98.8	30	30	1000-1-25	1	20			85.3	25	28
			70	0111-1-8S	69.7	20	17	ONG-1-1201	232.43		20
OW-1-4	95/G	28	29		_	<del> </del>		OW-1-130	04.7	28	28
OW-1-50	93.9	28	28	0/4-1-95	60.0	24	17		-	ļ	-
CARL		<u> </u>	<u> </u>		54.6	76	12	ON-1-14D	B4.1-	28	28
ONY-1-8D	92.4	28	28	OWN-1-105		100	1	1	1	28	10
	-	25	28	.0W-1-175	5 50.1	127	13	OW-1-15D	.83.9	20	
-059-4-7D	191.1		140	1	_	7 0		081-1-16D	62.5	127	13
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OM-1-8D	1			1	All Poi	res ser	at IV s	ch			
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	Oppth NO	scin	081		both (th)	acts	251	· · · · · · · · · · · · · · · · · · ·	į.	28	1
DW/-1-135	53.1	26	13	OV4-1-17D	79.5	27	13	OVF-1-21S	49.3		11
<b>7</b> 44-145	452.7	25	/7	08941-460	78.2	28	25	OW-1-235	499,3	30	11
OW-1-158	52.2	25	12	OW-1-19D	78.9	15	25	OW-1-23S	48.0	30	11
DW-1-16SR	51.6	24	26	OW1-1-2010	79.5	25	16	OW-1-245	48,4	32	
OW-1-17S	50.7	20	<b>ر</b> م	OW-1-21D	79.5	77	14	OW-1-258	48.6	3 1	12
OW-1-18S	50.2	74	12	CW-1-22D	79.5	76	24	OW-1-265	48.3	25	12
OW-1-19S	49.7	of	<u>C</u>	OW-1-23D	78.7	30	24	OW-1-27S	48.3	28	13
CW-1-20S	69.3	Of	f	OW-1-24D	78.2	24	25	DW-1-266	40.3	24	113
	Injection	Rank 7		T.	Injection				Injection DTW		L) PID
	Depth (		ps <sub>1</sub>		Depth (	<u>th</u> sch	h Dai		1	1	-
OW-1-25D	1	136	26	OW-1-29S	48.5	127	17	OW-1-39D	#S.2	28	
OW-1-26[	78.1	1	25	OW 1-305	48.8	37	12	Ove-1-34D	84.5	30	, 78
OW-1-270	3 77.9		76	OW-1-815	49.6	2 8	3 12	OW-1-350	65.0	12	7 28
CW-1-281	O 78.0	1		OW-5-325	49.5	7.0	5 12	DW-1-361	) 854	36	}
-DW-1-23	D 787	30	1,	1	3 49.	7 28	12	OML1-371	3 4 84:	0 14	
OW-1-30	79.	-		3 OW-1-34	5 50	1 7	12	OW-1-36	50 62	» \ Z	
OW-1-3	10 80			OW-1-35	s 50	).3 Z	8 17	OW-1-38	78		
OW-1-3	20 61	.6 Z		T) 0W-1-30	15 S	1.3 7	: الع	3 OW-1-41	20 70	i.o   7	6 2.
Comme	nts:				AND	oinis.s	K In is	).scfh			<u> </u>
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		OKYGE	n injec	TION OPERA Section Orve	tion an	o Mary Ion Rem	Fenanc edia: Sy	Date: E LOG SHEE stom Number	***************************************	23/2	
the state of the s	jection Sai			tı.	iedion Bar	<del>                                      </del>		<u>in</u>	oction Ba Depth (ft)	mi <u>c 12</u> seffi	psi i
	Depth (ft)	scih	<u>1951</u>		Depth (ff)	<u>softi</u>	<u> 1281</u> 1		G7.4		19
376-1-WC	50.5	17	12	OW-1-61D	79.6	7.7	22	OW-1-43		26	
OW-1-325	50.6	25	12	OW-1-12D	71.0	28	W	OW-1-44	6,86	28	18
OW-1-39S	50.7	21	17	OW-1-45	<b>6</b> 5.7	25	18	OW-1-51R	60,6	28	17
ON-1-465	51,1	17	13	QW-1-48	64.3	26	17	ON-1-52	59.3	16	15
OW-1-415	51.5	176	13	OW-1-47	63.4	25	16	OW-1-53	60.0	128	16
OW-1-425	51.3	78	13	OW-1-48	62.5	16	17	OW-1-54	60.0	30	15
and the same of	-		4	OW-1-40	61.5	30	16	-	•	Š.	
-				OW-1-50	61.0	28	16	7.			
Comments:			والمراجعة والمنطقة مسوري		All Poin	nts set :	et 30 a:	1127	-		
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Note	**				<del></del>						
Ħ								and the second street	on the contract of the contrac	*****	

**************************************	Date	11/23/20
	General System notes	
<u> </u>	1) Performed general housekeeping (i.e. sweep, collect trash inside and out, etc.)  Yes  No	<del></del>
,	2) Abnormal conditions observed (e.g. vandalism) No	والمراوات المراوات والمراوات والمراوات والمراوات والمراوات والمراوات والمراوات والمراوات والمراوات والمراوات
	3) Other major activities completed Checked five exting	visher.
	4) Supplies needed None	
	5) Visitors MQ	
- A - C	OPERATIONAL NOTES	Wo
Air C	Compressor  1) Oil Level Checked with system unloaded Pressure is less than 9 psi	No
Air C	Compressor  1) Oil Level Checked with system unloaded Yes  * Unload system, wait until Deliwery Air Pressure is less than 9 psi  2) Oil Level with system unloaded Low (red)  * Ves  * Vormat (green)  * High (orange)  * No	<del></del>
Air C	Compressor  1) Oil Level Checked with system unloaded Yes  * Unload system, wait until Deliwery Air Pressure is less than 9 psi  2) Oil Level with system unloaded Low (red)  * Ves  * Normal (green)  * High (orange)  No No  * No  * No  * No  * No  * No  * Oil added  * Yes  * No  * Oil inter changed  * Yes  * No  * Oil filter Changed  * Yes  * No  * Oil separator changed  * Yes  * No   <del></del>	
	Compressor  1) Oil Level Checked with system unloaded Yes  * Unload system, wait until Deliwery Air Pressure is less than 9 psi  2) Oil Level with system unloaded Low (red) Normat (green) High (orange) No No No Oil added Yes No No Oil inter changed Yes No	<del></del>

	Hea	petrad	Intersec	N OPERATI	n Injection	Remed	ar Syste	Dete: 1	2 / 30	120	
		ofini Cu	stam Num	nber 1				Time:	0700	00 (1	<del></del>
Oxygen Injec	Meh noi: roiteta	ed Grid	Pienti iani	(100)				Weather: H	4 00	A	.10
Inte	rim Rem	ectal Me	easure			Inside Ti	ailer (ei	mperature: 6 formed By: 6	er Vo	venes	10m 5
Pro	lect No.	702897	-30-1	<u> </u>	en 1210-1214 (1214-1214)	P-mm m	received 1	Caesar Rolan	Screw	}	o de la companya de l
·····	O <sub>2</sub> Ge	nerator	· · · · · · · · · · · · · · · · · · ·		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		THE PARTY				
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urs			60 @	}	Delinen; Air			1,	10	(pt	
ed Air Preestr	13°			4	Element O		onstus	, 1	96	(F	
de Pressure ' (L / R)	' ₃Hiji Lo	3444	68	6 (psi)					 , 818	(h	ours)
ygen Receive	r Pressul	re "	ingelorii Je		Running H	ours		-	***************************************		
			•	si)	Loading H	ours		1	1,677	(h	iours)
cygen Receiva	er Tank P	ressure		112.5				_			
cading from b	ue tank)		ž.								
				percent)							2
xygen Purity				<b>∳</b> -03 <b>चन्द्रा</b> स्व}	rnaximum.	reacting der	ing losdin	g cyclo	*		
naximum reading	ooster P	eng oper	restronania		1		Air T	een & Eco-Un	NEX.		
				. 4		4 - 50	ه داهکه در	() Condens	ate Emo	fied (Y)	N)
ours: 15,6	60 08	- Nol	Obers	troner)	Condense	ge Purge	W (T) W	•			
•					i Injection Ber	<u>k2</u>			ection Be		wi .
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	Depth (fil)	ach (			673	31	16	CW-4-9D	465.5 J	36	28
. 1088-1-4	25.5 \ 	3 入 あ	25	2004-400 2004-400	1-1	38	-17	OW415100:	87.2	31	27
OW-1-2	20,5	23 A	Of C	0W-1-65	67.0		11	OW-1-11D	.86.1	33	28
OM-1-8	98.2	28	30	SEL-MO	68.9	3)	16		85.3	44	26
OW-1-4	95,C	27	29	Q244-1-8S	68.7	32		OW-1-12D		28	28
OW-1-SD	93.3	26	28	0141-95	62.0	38	18	OW-1-13D	84.7	35	38
OW-1-80	92.4	76	128	OW4-1-105	54.6	38	12	0W-1-14D	3A.1-	1	1
C6V-1-7D	1.19	٦η	28	OW-4-448	50.1	30	13	OW-1-15D	89.3	35	28
OW-1-8D	69.6	30	128	OW-1-125	s 53.6	78	14	084-1-460	02.5	] 28	13
		3			an Poir	its set a	at 30 s	cM			
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	1-136   59.1   29   12   0.006-1-170   79.5   40   12   0.006-1-218   49.3   34   16   16   16   16   16   16   16   1										
-11	iertion Ben	lo4		- <u> </u>	ijection '8a	n <u>t 5</u>					Total I
	Injection Benk4   Sept				Deoth (it)		-		-	1	
O/W-1-135	District   District										
344-14S	DOLYGEN RAJECTION OPERATION AND RANATERIANCE LOG SHIET										
QW-1-158	62.2	31	12	OVV-1-19D	78.9	54	25	OW-1-23S	48.8	33	10
OW-1-165R	51.8	33	26	OW-1-200	78.5	29	26	OW-1-245	48,4	38	Name of Street, or other Desired
OW-1-175	50.7	40	ጋዛ	OW-1-21D	79.5	32	24	OW-1-25S	40,8	37	
OW-1-16S	50.2	27	1)	OW-1-22D	79.5	38	24	OW-1-285	48.3		<del></del>
OW-1-195	49.7	Point	Off	OW-1-23D	78,7	146	24	OW-1-27S	48.3	1	<del>ļ</del>
OW-4-20S	49.3	Point	Opp	OW/1-24D	76,2	30	125	OW-1-285	49.3	156	1.5
Comments:				£	otraconistica materialis		yi 30 sa	in .	Injection	Bank 9	
		tenk 7				Bank 8 R) soft	bai				
OW-1-25D	1	A.	*	OW-1-295	Ť.		112	OW-1-33D	€3.2	128	128
OW-1-260	78.1	34	26	OW:1-305	48.8	33	12	QW:1-94D	84.5	31	28
OW-1-270	77.6		171	O4V-1-315	49.3	12	, h	OW-1-350	85.0	34	1
OW-1-260	78.0	1 - '		OW-1-328	49,3	30	12	OW-1-36D	65.0	14	
*CNAL-1-291	78.4	ł÷	1	OW-1-395	49.1	30	1.3	OW-1-57E	84.5	3L	<u>'</u>
OW-1-20	0.078.0			OW-1-345	S 50	* 36	, 16	) ow-1-385	52		1
OW-1-31	D 80.5	Pan	7 Ot1	OW-1-35	S 50	.3 34	) 1	3 OW-1-38	D 78		-+
OW-1-33	20 51.0	3	2/2	7 044-1-36	S 50	3 3	0 1	2 OW-1-40	D 76	0 3	5/2
1	moje jedonie	<u> </u>								<u> </u>	
Notes	Bonk	4 36	0 W-1	1-185 pre	55une_	garge	bu 52 '	-y 91055	Porce	.^フ	

		iempsie	ad jotor	rection Onvo	on Wioci	ion wen	ediai Oy	310388 F4688888	iection Ba	nic 12	
1	50.6 36 17 50.6 36 17 50.7 36 17 50.5 51.9 31 17 51.5 51.5 26 17 51.5 51.3 30 17 51.5 51.3 30 17				iechon Sar Depth (fi)	soft	281		Depth (ft)	sch	<u>psi</u>
DW-1-975		·····	10	OW-1-41D	73.6	37	22	01/0-1-43	<b>6</b> 7.4	40	19
OW-1-385		Manualerranderspiese	12	OW-1-12D	71.0	33	20	QW-1-44	66.6	29	18
QV/-1-39S			12	OW-1-45	65.7	37	18	OWA-1-51P	60.G	26	16
OW-1-405			13	QW-1-66	64.3	28	רו	GW-1-52	59.3	34	15
OW-1-415			13	OVI-1-07	63.4	38	11	OW-1-53	69.0	39	16
OW-1-425	<u> </u>		13	OW-1-48	62.5	28	18	OW-1-54	80.0	34	15
	300			OW-1-49	61.5	29	16				1
*	- -			OW-1-50	81.0	27	16	***			
		Ink desir	781		in aceon Danie: 0		<u>701</u>		tolescou DTM		t) BID
			1/		**************************************						1/
		A Control of the Cont	1								/
	1	1	1		1	/					/
	$\frac{1}{1}$	-				1		į			
	+ j	X-				X			1/		
	/				/	+	<u> </u>		/	1	
			$\sqrt{-}$		4-		1				1
_/_			$\perp$	+/			1	4			+
		i i i i i i i i i i i i i i i i i i i		<u> </u>	1		1		مخبرت	. (*)	
Comme	n's:				all go	ints se	1.61.30 	sch		<del></del>	
					<u> </u>						

Date: 12 30 20	
GENERAL SYSTEM NOTES	
1) Performed general housekeeping (i.e. sweep, collect trash inside and out, etc.)  Yes  2) Abnormal conditions observed (e.g. vandatism) 0:1/water from oil rater separator sem)  and from the container it is connected to - hole in the container; 1:7	
3) Other major activities completed Checked fire extinguisher	
4) Supplies needed Absorbent pady, gloves, all-purpose cleaner for surface	<u> </u>
5) Visitors Ton Juhansen	
GPERATIONAL NOTES	-1
GA5 Air Compressor  1) Oil Level Checked with system unloaded*  ** Unload system, wait until Delivery Air Pressure is less than 9 psi  2) Oil Level with system unloaded  ** High (orange)	
3) Oil added Yes No 1	;
6) Air filter Changed 7) Oil separator changed 8) Terminal strips checked Yes No	
AS-80 C, Generator  1) Prefilter changed  2) Coalescing changed  Yes  Yes  Yes  No	

150	Ŧ	lempst	ead Inters	TION OPERA				stem Numbe	r 2	/15 A	
Oxygen Inj	ection Re Nat	emedīal tional G		1		Insid	e Trailer T	Date: Time: Weather: emperature:	070 505 °1	Clord	
	Project N			:			Pi	erformed By:	Grego	Cy Vouz	
·	02	Genera	<del></del>			Col	mpressor	(Kaesar Ro	<del>-</del>	ew)	
Hours			58,07	7	Compre	ssor Tan	Ř *		110		(psi)
Feed Air Press	sure *		<u> 122</u>	(psi) ,	Delivery	Air			110		(psi)
Cycle Pressur		High: Low:	60	62 (psi)	Element	Outlet T	emperatu	re	167	174	(°F)
Oxygen Recei		_	<u></u>	59	Running	Hours			<u>66,95</u>	5	(hours)
Oxygen Recei		}	re	(psi)	Loading	Hours		!	58,06	9	(hours).
Oxygen Purity		<u></u>	80.8 70.9	(percent)	* maximuir	n-reeding (	luring loadin	ng cycle			
ı			owerex)				Air T	ank & Eco-D	rain		
Hours: 9	79, 99	need	<u>b</u> repla	cenent	Condens	sate Puro	ged (Y) M	() Conden	sate Em	ptied (🕅	<b>9</b> N)
<u>!</u> !	njection.Bar Depth (ft)	nk 1 scfh	<u>psi</u>	•	Injection Ba	ank 2 sofh	<u>psi</u>		njection B Depth (ft)		psi
OW-2-2	90,2	37	28.0	OW-2-9S	75.0	27	19,0	OW-2-10D	97.2	29	27.0
OW-2-3	94.3	38	27.0	OW-2-10S	75.0	37	30.0	OW-2-11D	100.8	28	32.0
OW-2-4	94.7	37	28.5	OW-2-11S	76.5	25	10.0	.OW-2-12	94.0	24	18.5
OW-2-5	95:3	29	29.0	OW-2-13S	75.0	30	18.5	OW-2-13D	97.0	Point Off	Point
OW-2-6	95.7	30	30.0	OW-2-15S	75,0	26	18.0	OW-2-14	96.4	28	28.0
OW-2-7	96.0	26	29.0	OW-2-16S	75:5	26	19.0	OW-2-15D	94,6	27	290
OW-2-8	96.3	30	29.0	OW-2-18S	74.5	25	18.5	OW-2-16D	94.1	26	25.5
OW-2-9D	96.7	29	29.5	OW-2-205	79.0	26	20.5	OW-2-17	95.0	38	28.0
Comments:	. 1			A	II Poin	ts set a	t 30 scf	h			
Notes: 7	0.9%- U.8%	First - Secon	0x751	n point	rty	ding read:	'ny				

	njection Ba	ank 4			Injection Ba	ınk 5	·	Injection Bank 6						
•	Depth (ft)	scin	1 <u>08i</u>	·	Depth (ft)	sofh	psi i	5.	Depth (ft)		psi			
OW-2-18D	95.5	30	28.5	OW-2-22S	76.0	16	19.5	OW-2-26D	95.0 k	27	31.0			
OW-2-19	96.1	30	28.5	OW-2-24\$	77.8	.12	22.0	OW-2-27	93.5	34	27.5			
OW-2-20D	96.6	22	6.0	OW-2-26S	74.0	lη	18.5	OW-2-28D	92.1	10	26.0			
OW-2-21	96.6	29	27.0	OW-2-28S	76,0	15	ე0.0	OW-2-29	92.2	34	27.0			
OW-2-22D	96:3	26	21.5	OW-2-30S	67,8	14	160	OW-2-30D	88.0	17	25.0			
OW-2-23	97.2	POINT	OFF	OW-2-34	71.0	10	19.0	OW-2-31	86.0	27	25.0			
OW-2-24D	97:0	POINT	ÖFF	OW-2-35	69.2	19	20.0	O₩-2-32	84:0	18	24.0			
OW-2-25	96.0	Point	Off	OW-2-36	64.8	73	17.0	OW-2-33	82.0	28	24.5			
Comments:				A	II Point	s set a	t 30 scf	h			···			
	Injection B Depth (ft)		<u>psi</u>		Injection Be Depth (ft)	ank 8 scfh	psi							
OW-2-37	62.8	10	190	OW-2-45	61.1	22	19.0							
OW-2-38	62.1	10	18.0	OW-2-46	61.0	24	18.5							
OW-2-39	60.0	10	17.0	OW-2-47	60.5	31	18.5							
OW-2-40	61.7	POINT	OFF	_	-									
O <b>W</b> -2-241	61.7	10	18.5	-	-									
OW-2-42	61.6	10	18.5	<u>-</u>	-									
OW-2-43	61.4	POINT	OFF	-	-			_	-	-				
OW-2-44R	60.6	10	18.0	_				_	-	-	-			
Comments:				,	All poin	ts set a	at 30 sc	fh						

Date: 10/26/20
GENERAL SYSTEM NOTES
Trailer  1) Performed general housekeeping (i.e., sweep, collect trash inside and out, etc.)  Yes
3) Other major activities completed Wined Jum Svifacic
4) Supplies needed None.
5) Visitors None.
OPERATIONAL NOTES
GA5 Air Compressor
1) Oil Level Checked with system unloaded*  * Unload system, wait until Delivery Air Pressure is less than 9 psi  2) Oil Level with system unloaded
Low (red) Normal (green) V High (orange)
3) Oil added Yes No Yes No No Yes
5) Oil filter changed Yes No
6) Air filter Changed Yes No Yes No No Yes N
8) Terminal strips checked Yes No
AS-80 O <sub>2</sub> Generator
1) Prefilter changed Yes No

		OXY	GEN INJ	ECTION tersecti	OPERAT	n Injectiv	on R	emedia	l System	Number 2 Date:	112	w	_
	158 Hilto	AVA H	emostea	d, NY	- 1					Time:	0820		
Юх	voen injectio	n Remed	liai Syste	ทา พิบภาช	er 2					Veather: 🔼	יטפ זא	<u> </u>	
		Nationa	l Grid dial Meas				m	side Tra	iler Temp		mke (	Sunan	
	Interii	n Kemed et No. 17	02897-3	0-1					Pertor	med By: esar Rotary			
	F 10 Kg	O <sub>2</sub> Gen	erator					Compre	essor (No	_			
			587	37		Compres	sor 7	fank *		110	2	(psi	)
วนาร				_	,	Delivery .	Air			11	<u> </u>	(psi	)
eed	Air Pressure	*		)(psi	´	Element		et Temi	nerature	1	67	(°F	)
	Pressure * _ / R)	High Low		<del></del>	(psi)					67	630	(hours)	
יאינה ד)	en Receiver					Running	Hou	irs					
				(ps	i)		. Ца·	ire		5	8691	(ho	ours)
Oxvo	gen Receiver	Tank Pn	essure	1 4	, c	Loading	i utan	μÞ					1
(rea	ding from blu	e tank)			<u>یح</u>	4							
Ç	<del></del>		C)	<del></del>									
Оху	gen Purity		χc	[.4 (b	ercent)	* specien	um rei	ading dur	ing loading	cycle			
*,ma	P. Dolhaer, on	luring/load	ing cycle	vorny)		Section 5			Air Tai	ik & Eco-Dra			
	Во	oster Pu	ımp (Pov	verex;		1			.65	Condense	te Empt	ieď (Y)	N)
	999	.99		_		Conde	nsat	e Purge	ч (Ди				
Ho	urs: ( ( )	11/15	to be	replan	cd.	Injection	Bank	2			ection Bar		psi
<del> </del>	Inje	ction Bank	: 1	-31		Depth :		scfh	<u>psi</u>		epth (ft)	scfh	
-		90.2	32 \	29	OW-2-9S	75.0	$\neg \top$	32	109/19	OW-2-10D	97.2	32	26.5
	OW-2-2			26	OW-2-105	3 75.0		34	30	OW-2-11D	100.8	38	31
-	OW-2-3	94.3	36		OW-2-11	S 76.	.5	36	8	OW-2-12	94.0	38	28.5
	OW-2-4	94.7	28	<u>13</u>	OW-2-13	S 75	0	30	18	OW-2-13D	97:0	POW	OFF
	OW-2-5	95.3	30	29	OW-2-13				18	OW-2-14	96.4	32	28
1	OW-2-6	<i>9</i> 5.7	28	36	OW-2-1!	is / 75	5.0 4	3Ь			94.6	32	100
	OW-2-7	96.0	34	29	OW-2-1	6S 7	5.5	36	18.5		94.1	31	<del>}</del>
	CVV-2-8	96.3	32	29	OW-2-1	18S 7	4,5	36	18	OW-2-16D			1
			34	29	OW-2-	205	79.0	38	20.5	OW-2-17	95.0	32	28
ļ	OW-2-9D	96.7	3-1	1-,				ts set	at 30 s	cth			
	Comments:					P451 T	J.11						
					•								
-	1									,, <u></u>			
	<u></u>												
	Notes:												
	Ĭ												
	]]												

					N OPERAT	jection Ba					<u>In</u>	iection Ba Depth (ft)	nk 6 sofh	<u>psi</u>
	jection Bar Depth (ft)	soin	<u>psi</u>			Depth (ft)	<u>scf</u>	1	psi	╂—			26	3/
W-2-18D	95.5	30	29		W-2-22S	76.0	44	l	19		)W-2-26D	95.0		
OW-2-19	98.1	36	28.	. <b>5</b>	DW-2-24S	77,8	36	>	23		OW-2-27	93.5	34	27.5
OW-2-20D	96.6	38	6		OW-2-26S	74.0	3	8	کـ81		DW-2-28D	92.1	28	26
OW-2-21	96.6	34	27	}	OW-2-28S	76.0	4	0	20		OW-2-29	92.2	34	27
	96;3	30	2:		OW-2+30S	67.8	L	О	16		OW-2-30D	88.0	40	25
OW-2-22D	-	POINT	+	7 FF	OW-2-34	71.0	4	2	19		OW-2-31	86.0	34	25
OW-2-23	97.2	POINT	+-	FF	OW-2-35	69.2	1	10	21		O₩-2-32	84.0	46	24
OW-2-24D	97.0	POIN	-	FF	OW-2-36	64.8		54	17.	s	OW-2-33	82.0	32	24.5
	Injection Depth		<u> </u>	<u>psì</u>		<u>Depth</u>		scfn	1	si				
and the second s						Injection	Bank	(8)						
		(ft) scft	1						1	•				
OW-2-37	62.8	38		19	OW-2-45	61.		38	2			-	_	
OW-2-38	62.	36		19	OW-2-45	61	. α,	<i>3</i> 2		8				_
OW-2-39	60	0 5	8	18	OW-2-4	7 60	.5	31	6   <i>l</i>	9				
OW-2-4	0 61	.7 PO	INT	OFF	-		-					_		
OW-2-2-	41 6	.7 4	2	19	-		-		-			_		
OW-2-	12 6	1.6 4	4	18.5	-	à	-							
OW-2-			TNIC	OFF			_				_		-	-   '
	-		 - l_	19	-		-		Ì		-		-	-
OW-2-	4417	1	<i>b</i>						set at	30	scfh			

	_	Date:	
G	ENERAL SYSTEM NOTES		
er	whe sweep collect trash inside.	and out, etc.) No	
Performed general nousekeeping     Abnormal conditions observed (6)	e.g. vandalism)		
3) Other major activities completed			
4) Supplies needed			
5) Visitors	OPERATIONAL NOTES		
A5 Air Compressor  4) (A) Level Checked with system  * Unload system, wait until De  2) Oil Level with system unloade  Low (red)  3) Oil added	n unloaded* Your Normal (green) Yes	No	
4) Oil changed 5) Oil filter changed 6) Air filter Changed 7) Oil separator changed 8) Terminal strips checked	Yes Yes Yes Yes Yes	NO NO NO	
AS-80 O <sub>2</sub> Generator  1) Prefilter changed 2) Coalescing changed	Yes Yes	No	

	OXY	GEN INJ	ECTION	OPERATI	i inie	ction R	medial	System !	Date: 12 Time: 086 eather: 405	ulan		_
	Hemp	stead In	d NY	~~/ 8~.					Time: AX	20100		
158 Hiltor Oxygen Injection	) AVE. TI	iai Svste	ra Numbe	er 2				w	eather: 405	Rain		
	Manona	I GIIO		1		ins	side Trai	·	aroturo: (A/A/	MA . ()[	680110	<u>√61</u>
Interin	n Remed	dial Meas	sure			1114		Perform	ned By: C	taye	>	
Projec	t No. 17	702897-3	0-1			(	Compre	ssor (Ka	ned By: C esar Rotary S	crew)		
	O <sub>2</sub> Gen	erator							10		(psi)	,
		59	236		Comp	ressor	ank *		.1.5.1			1
lours				Í		A 2			110	O_	(psi	)
eed Air Pressure	*	il	(psi)_ <b>(</b>	1	Deliv	ery Air						
-660 AH T (6334)				,		nent Out	at Temp	erature	13	<u>L</u>	(°F)	} }
Cycle Pressure *	Hig	h: 5	74 6		3.	ient Out	&f 10lliè	0.0.			<i>.</i> 1 –	
(L/R)	Lov		8 0	(psi)		ning Hou	ıre		60	7 <u>13</u> 3	(ho	urs)
Oxygen Receiver	Pressure	e*		59	Kuni	iliid uor	ni O					
			(psi	i)	1	ding Ho	irs		59	<u>15</u> 7	(110	ours)
Oxygen Receiver	Tank Pr	ressure		INN	11.02	OHING HALL			·			
(reading from blu	e tank)			100	4							
3		•	(ps									1
Oxygen Purity			<u>2.0</u> (pe	eroent)	* 1500 E	ancimum .	ading duri	ng laading (	ycle	in		
II. tomas condinus	during los	ding cycle	(verew		1			Air Tar	IK OF ECO-EN		<u></u>	
Во			Lou MO	eds to			- Burgo	d(Y) N	Condensa	te Empti	ie <b>d(Y</b> )	N)
999.	99 7	New S	eplac	eds to	C	ondensa:	e Pulgo			ction Ban		
Hours:					Inje	ction Ban	(2	1		epth (ft)	scfh_	psi
	ection.Ban	<u>k 1</u>	psi			epth (ft)	scfh_	<u>psi</u>				27.0
D	epth (ft)	sofh		OW-2-98		75.0	26	20.0	OW-2-10D	97.2	26	27.0
OW-2-2	90.2	28	30.0	O44-Z-ac						100.8	35	32.0
1		20	225	OW-2-10	is	75.0	28	30.0	OW-2-11D			
OW-2-3	94.3	29	23.5					7.5	OW-2-12	94.0	24	19.0
1		25	35.0	OW-2-1	18	78.5	25	+,				
OW-2-4	94.7	0	0.0				20	18.5	OW-2-13D	97.0	Point	OFF
	95.3	26	29.0	OW-2-1	38	75.0	29	10.0	<u> </u>	<del> </del>	<u> </u>	<del></del> -
OW-2-5	00.0	<u> </u>	-			75,0	25	18.5	OW-2-14	96.4	27	28.0
OW-2-6	95.7	27	30.0	OVV-2-1	155	7.57				1	108	30,0
₩-2-0		-		OW-2-	165	75.5	25	19.0	. OW-2-15D	94.6	28	
QW-2-7	96.0	26	29.0	OW-2-	100					94.1	24	265
	<del> </del>		206	OW-2	-18S	74.5	23	18.5	OW-2-16D	1	-	
OW-2-8	96.3	26	29.5			<del> </del>		+	OW-2-17	95.0	124	28.9
		129	29.0	) OW-2	2-208	79.0	124	205	) OW-2			
OM-5-8D	96.7	29	01.0			1	_ <del></del>	-4 20 a				
	!				j	All Poi	nts set	at 30 s				
Comments:												
Notes:												
1,000												
11												

		<del> </del>			IFOTIC	N OPERAT	ION AN	D MAIN	TENA	NCE	LOG SHEET	12/12	1 <u>20</u>	
			OXYGE Jameste	N IN.	iterse(	tion Oxyge	en injecti	on Ren	<u>nedial</u>	Syste	em Number	2		
			Compo				njection Bar				ln	jection Ba	nk 6	
		ection Bar					Depth (fi)	scft)	<u>psi</u>		<u>'</u>	Depth (ft)	scfh	psi
	W-2-18D	95.5	<u>\$</u> ₩ 24	29		OW-2-22S	76.0	33	19.5	5	OW-2-26D	95.0		32.0
	OW-2-19	98.1	23	29		OW-2-248	77.6	27	24.	0	OW-2-27	93.5	28	28.0
	W-2-20D	96.6	25	5.		OW-2-26S	74.0	30	19.	0	OW-2-28D	92.1	28	27.0
	OW-2-21	96,6	26	<del></del>		OW-2-28S	76.0	28	20	.0	OW-2-29	92.2	29	27.5
- <del></del>	DW-2-22D	96.3	32		7.0	OW-2-30\$	67.8	27	16.	0	OW-2-30D	88:0	27	25.4
<u> </u>	OW-2-23	97.2	POINT		OFF	OW-2-34	71.0	28	19.	0	OW-2-31	86.0	27	
-	OW-2-24D	97.0	POIN	τ ;	OFF	OW-2-35	69.2	27	21	,0	OW-2-32	84.0	26	
-	QW-2-25	96.0	Pai	10	FF	OW-2-36	64.8	30	17	,5	OW-2-33	82.0	29	25.
	Comments:				W		All Poi	Bank 8			[h 			
		Injection Depth	Bank 7 (ft) sc	fin	psi		Depth			<u>psi</u>			T	
	OW-2-37	<u>Depin</u> 62.			19.5	QW-2-45	61.	1 3	2 1	19.5		_		
	OW-2-38	62	1 2	8	19.0	OW-2-4	6 61	.0 3	2	18.5	5			
	OW-2-39	60			17.5	OW-2-4	7 60	1.5 3	0	19.0	O O			
!	OW-2-40	-		TNIC	<del> </del>			-						
	OW-2-24			32	19.0	) -		-						
				27 27	+-			-						
	OW-2-4	-		7 7 	+			-			-		-	-
	OW-2-				19		_	-			_		-	-
	OW-2-				1''		 A11	points	set	at 30	scfh			
	Commi		_					Same of some			·	<u></u>		
	11													

	Date: 12/14/20
OE OE	NERAL SYSTEM NOTES
ailer  1) Performed general housekeeping  2) Abnormal conditions observed (e.g.	(i.e. sweep, collect trash inside and out, etc.) Yes
Other major activities completed	Cheeked Fix Extinguister (Good)
4) Supplies needed Nak	
5) Visitors Nove	OPERATIONAL NOTES
GA5 Air Compressor  1) Oil Level Checked with system was until Delivel Oil Level with system unloaded Low (red)  3) Oil added 4) Oil changed 5) Oil filter changed 6) Air filter Changed 7) Oil separator changed 8) Terminal strips checked  AS-80 O <sub>2</sub> Generator 1) Prefilter changed	very Air Pressure is less than 9 psi High (orange)

		OXYO Hemps	EN INJE stead Int	CTION OPER	ATION . gen Inje	AND MA	INTENAI emedial	NCE LOG SHI System Numi	EET per 1			
Oxygen	Interin Projec	n Remedi National n Remedi t No. 170	al System Grid al Measu 2897-30	n Number 1		Îns	ide Traile	Date Time Weathe or Temperature Performed Br	12: 67 12: 67 13: 74:N 13: 01:	E OUN	VERLASS	
		O <sub>2</sub> Gener	ator		-	C	ompress	or (Kaesar R	otary Sc	rew)		
Hours.			36910		Compr	essor Ta	inik *		140	_	(psi)	
Feed Air Pre	essure *		140	_ (psi)	Delive	ry Aur			140	2	(psi)	
Cycle Press (L / R)	ure *	High: Low:	70	32 (psi)	-	nt Outlet	Tempera	ture	193	_	(°F)	
Oxygen Rec	eiver Pre	essure *		72 (psi)	-	g Hours			1139	3	(hours)	
Oxygen: Rec (reading from			ure:	115	Loading Hours 7950							
Oxygen Puri			84.0	(psi) (percent)								
maximum rea	the second second second				" maxims	ım reading	during load					
	Booste	r Pump (	Powere	1)	-		Air	Tank & Eco-	Orain			
Hours: 15			Non ole				rged (Y)	N) Cande	nsate En	aptied()	DIN)	
	Depth (f)		mi		Injection E Death (fi		<u>pri</u>		Injection E		poni /	
OW-11-11	95.5	28	26	OW-11-55	67.3	60	18	OW-1-90	88.5	32	38	
OW-1-2	96.5	Park	OFF	OW-1-6\$	67.0	48	18	OW-1-100	67.2	28	2527	
OW-1-3	96,3	32	30	OW-1-7S	66.9	42	17	OW-1-11D	86.1	32	29	
OW-1-4	95.0	26	30	OW-1-8S	66,7	30	18	OW-1-12D	85.3	28	28	
OW-1-5D	93,9	3,6	29	OW-1-86	66.0	30	18	OW41-13D	04.7	30	28	
OW-1-6D	92.4	28	29	OW-1-10S	54,6	28	13	OW-1-14D	84.1	32	28	
OW-1-7:D	104.4	30	28	OW-1-115	54.1	30	14	OW-1-150	83.3	36	28	
OW-1-8D	60.6	30	29	OW-1-125	53.6	38	15	OW-1-16D	82.5	28	13	
Comments:				All	Point	s set a	t 30 sci	la .			3	
Notes:					•	<del></del>		***************************************				
											1	
							4.1				ľ	

	Injection (	Bank 4		#	Injection 1	Part 6		W			
	Depth (f	TOTO PORTE I	DSI		Depth (		psi		Depth (f		Bar
OW-1-13S	53.1	28	13	OW-1-17D	79.5	36	13	OW-1-21S	49.3	34	11
DW-1-14S	52.7	24	14	OW-1-180	78.3	30	26	OW-1-225	49.3	28	11
OW-1-15S	52.2	30	13	OW-1-19D	78.9	38	26	OW-1-23S	48.8	38	11
OW-1-16SR	51.8	30	26	OW-1-20D	79.5	36	26	OW-1-24S	48.4	\$32	10
OW-1-17S	50.7	26	24	OW-1-21D	79.5	34	25	OW-1-25S	46.8	34	12
OW-1-18S	50.2	30	12	OW-1-22D	79.5	40	24	OW-1-26S	48.3	34	13
OW-1-19S	49.7	POINT	OFF	OW-1-23D	78.7	34	25	OW-1-27S	48.3	38	13
OW-1-20S	49.3	18012	044	OW-1-24D	78.2	32	26	OW-1-28S	48.3	30	13
						ts set a	t 30 sci	h			
	Depth (fil		psi		Injection E Depth (fi		psi	1	DTW	DO(mg/L)	PID
OW-1-25D	78.1	34	26	OW-1-29S	48,5	36	12	OW-1-33D	83,2	30	28
OW-1-26D	78.1	36	26	OW-1-30S	48.8	34	13	OW-1-34D	84.5	32	29
OW-1-270	77.9	32	27	OW-1-31S	49.3	30	13	OW-1-35D	85.0	32	28
OW-1-28D	78.0	30	26	OW-1-32S	49.3	28	12	OW-1-36D	65.0	38	29
	78.4	34	26	OW-1-33S	49.7	32	13	OW-1-37D	64.0	38	28
OW-1-29D	79.0	22	31	OW-1-34S	50.1	32	12	OW-1-38D	82.0	28	27
OW-1-29D OW-1-30D		POINT	OFF	OW-1-35S	50,3	32	13	OW-1-39D	78.0	28	26
	80.5				50.3	38	13	OW-1-40D	76,0	36	26
OW-1-30D	80.5	31	28	OW-1-36S	50.3	00	12		10.0	06	20

	njection B	mk 10		V	njection Ba	only did		·			
************	Depth (ft)		psi		Depth (ft)		psi	1	Depth (ft)		ps
OW-1-375	50.5	30	12	OW-1-41D	73.6	34	22	OW-1-43	67.4	32	20
OW-1-38S	50.6	38	13	OW-1-42D	71.0	30	20	OW-1-44	66.6	32	18
OW-1-39S	50.7	30	12	OW-1-45	65.7	30	19	OW-1-51R	60:6	34	16
OW-1-406	51,1	34	14	OW-1-46	64.3	32	18	OW-1-52	59.3	34	16
OW-1-415	51.5	40	14	OW-1-47	63.4	38	17	OW-1-53	60.0	30	16
DW-1-42S	51.3	32	13	OW-1-48	62.5	30	18	OW-1-54	60.0	30	16
-	-			OW-1-49	61.5	28	16	-	•		
-	•			OW-1-50	61.0	28	16	-			
	Depth (6)		<u>mi</u>		Depth (ft)	ank ach	nni		nischen 3 DTW	onk DO(mg/L)	PID
			_ <u>mi</u> _				001	The state of the s			PID
								-			
	1	1									
						-	-		-		
											Marine projection
omments:							30 scfh				

				CTION OPERA Prection Oxy							
Oxygen	Interim	Remedi National Remedi	al System	Number 1				Date Time Weather Temperature Performed By	0: <u>5</u> 1: <u>0</u> 1: 603	15/20 800 , 1 Chou OPERAS	DY LE
**************************************		2 Gener				Co	ompress	or (Kaesar R			
Hours			31254		Compre	essor Ta	nik *	and the second second second second second	137		(psi)
Feed Air Pre	ssure *		137	(psi)	Deliver	y Ain			140	_	(psi)
Cycle Pressi (L / R)	ure *	High: Low:	70	72 (psi) 2 (psi)	Elemen	t Outlet	Tempera	lure	190	<del>'</del>	(°F)
Oxygen Rec	eiver Pre	essure *	**************************************	72 (psi)	Running	g Hours			1176	7	(hours)
Oxygen Rec (reading fron			ure	112	Loading	Hours !			8190	1	(hours)
Oxygen Purit		loading c	86.9	(psi) (percent)	/* maximu	in reading	during load	lina curle			
	-		Powerex	:)				Tank & Eco-l	Drain		
Hours: 15	660.	08 1	10V 00ar	tropul	Conden	sate Pur	ged 👌 /	N) Conder	nsate Em	nptied (	DIN)
	Depth (f)		,100 i		niection B Danth (ft)		2001		Injection E Depth (ft		pai
OW-1-11	95.5	30	26	×OW-#-6S	67.3	36	18	40W-11-9D	86.5	34	28
OW-1-2	96.5	POINT	off	OW-1-6S	67.0	22	18	OW-1-10D	67.2	30	27
OW-11-3	96.3	32	30	VOW-1-75	·66;9	30	17	OW-1-11D	.86,1	32	29
OW-1-4	95.0	32	30	OW-1-8S	66,7	34	18	OW-1-12D	85.3	36	28
OW-1-5D	93.9	38	29	OW-1-95;	66,0	34	18	OW-1-13D	84.7	30	28
OW-1-6D	92.4	34	29	OW-1-1.0S	54.6	30	13	OW-1-14D	84.1	36	28
OW-1-7:D	101,1	30	28	OW-1-145	54.1	34	14	OW-1-15D	63.3	32	28
OW-1-6D	09.6	32	29	OW-1-12S	53,6	40	15	OW-1-16D	82.5	26	14
Comments:	ZONE 1	= BAn	4s 1+3	A	Point	s set a	t 30 sci	h	der dies skrivere kan een skriver	****	,
			s \$2+4				G.				

	Injection I		psi	1	Injection I	-		I	Injection I		***********
OW-1-13S	53.1	32	13	OW-1-17D	79.5	20	13	OW-1-21S	49.3	30	11
DW-1-14S	52.7	32	14	OW-1-16D	78,3	30	1	OW-1-22S	49.3	28	+
OW-1-15S	52.2	1		OW-1-19D	78.9		26	OW-1-23S	48.8		11
OW-1-16SR	51.8	30	13			40	26			32	11
		32	126	OW-1-20D	79.5	32	26	OW-1-24S	48,4	32	11
OW-1-17S	50.7	34	24	OW-1-21D	79.5	32	25	OW-1-25S	48.8	30	12
OW-1-18S	50.2	34	12	OW-1-22D	79.5	28	24	OW-1-26S	48.3	30	13
OW-1-19S	49.7	Para	off	OW-1-23D	78.7	36	24	OW-1-27S	48.3	32	13
OW-1-20S	49.3	POINT	OFF	OW-1-24D	78.2	30	26	OW-1-28S	48.3	28	13
	Injection E	-	***********		Injection E				njection E	ank 9	
	Depth (ff	) scfh	<u>psi</u>		Depth (fit	sch	<u>psi</u>		DTW	DO(mg/L	) PID
OW-1-25D	78.1	30	26	OW-1-29S	48.5	28	12	OW-1-33D	83.2	30	28
OW-1-26D	78.1	12	26	OW-1-30S	48.8	28	13	OW-1-34D	84.5	<i>3</i> z	29
OW-1-270	77.9	16	27	OW-1-31S	49.3	28	13	OW-1-35D	85.0	32	28
DW-1-28D	78,0	28	26	OW-1-32S	49.3	26	12	OW-1-36D	85.0	36	29
OW-1-29D	78,4	26	26	OW-1-33S	49.7	24	13	OW-1-37D	84.0	22	28
DW-1-30D	79.0	26	31	OW-1-34S	50.1	24	12	OW-1-36D	82.0	30	27
DW-1-31D	80.5	POINT	OFF	OW-1-35S	50.3	26	13	OW-1-39D	78,0	3z	26
707-1-310	81.6	26	28	OW-1-36S	50.3	50	13	OW-1-40D	76,0	34	26
DW-1-310				·							A

	Injection B		-	1	njection B	ank 11		1	njection B	ank 12	
***************	Depth (ft)	sch	PSI		Depth (fit	sch-	psi		Depth (ft	sch	psi
OW-1-37S	50.5	32	12	OW-1-41D	73.6	36	22	OW-1-43	67.4	34	20
OW-1-36S	50.6	30	13	OW-1-42D	71.0	30	20	OW-1-44	66.6	28	18
OW-1-39S	50.7	28	12	OW-1-45	65.7	30	19	OW-1-51R	60.6	32	16
OW-1-465	51.1	30	14	OW-1-46	64.3	32	18	OW-1-52	59.3	32	16
OW-1-41S	51,5	34	14	OW-1-47	63.4	28	pm 17	OW-1-53	60.0	28	16
OW-1-42S	51.3	30	13	OW-1-48	62.5	28	18	OW-1-54	60:0	36	16
-	-			OW-1-49	61.5	28	16	-	-		
-	-			OW-1-50	61.0	28	16	-	-		
	Dooth (6)	soft			Depth (f0	pcfh	<u>ppi</u>		DTW	DO(ma/L)	PID
- Architecture de Charles de La Charles de L	Ininction B				nication 8	(miles and	1		Injection 3		**********
		1		1			I II			1	-
omments:							30 scfi				

		OXYO	EN INJE	CTION OPER	ATION A	AND MAI	NTENAN medial S	CE LOG SH	EET Der 1		
Oxygen	Interim	Remedi National Remedi	al System	Number 1			ide Traile	Dat Tim	e: 6 er: 60's e: 01	117/20 SUD SUNIN DERABI KE OU	M K
		2 Gener	A STANSON OF THE PERSON OF THE			C		or (Kaesar R			
Hours			3180	-	Compr	essor Ta	nik *		135		(psi)
Feed Air Pre	ssure *		135	-	Deliver	y Air			140	_	(psi)
Cycle Pressi (L / R)	ure *	High:	70	1 72 pm		nt Outlet	Temperat	we	189	į.	(°F)
Oxygen Rec	eiver Pre			To (psi)	-	g Hours			1237	2	(hours)
Oxygen Reci (reading fron			ure	115	Loading	g Hours			8603	2	(hours)
Oxygen Purit	-	. ()(		(psi) (percent)							
meximum rea	The second second second second		(Powerex	1)	" maximi	im reading	during load	ing cycle Tank & Eco-	Proin		
Hours: 15	-			RATIONAL	Conder	nsate Pur	ged (Y)	refresher in manager - Birdine, and sir gr. (1915)	nsate En	nptie	3/N)
	Injection f				Injection E		,ani		Injection I		psi
·OW-11-11	95.5	26	26	10W-11-5S	67.3	2	18	/OW-1-9D	88.5	36	28
OW-1-2	96.5	60 W	OFF	OW-1-6S	67.0	40	18	OW-15100	87.2	34	27
CW-1-3	96.3	32	30	OW-1-7S	66:9	28	17	OW-1-11D	.86.1	36	29
OW-1-4	95.0	28	30	OW-1-8S	66.7	34	18	OW-1-12D	85.3	42	28
OW-1-5D	93.9	42	29	OW-1-95	66.0	34	18	OW-1-130	84.7	32	28
OW-1-6D	92.4	32	29	OW-1-1.0S	54.6	30	13	OW-1-14D	84,1	36	28
OW-1-7D	491.11	44	28	OW-1-148	54.1	30	14	OW-1-15D	83.3	40	28
OW-1-80	89.6	134	28	OW-1-12S	53.6	32	15	OW-1-16D	82.5	28	14
Comments:				A	Il Point	s set a	t 30 sci	h			
Notes:					-	**************************************		The state of the second second			

		riemps	waq ime	rsection Oxy	on Inje	cuon Re	medial S	ystem Numb	er 1		
	Injection (	THE COLUMN TWO	psi		Injection F	Torus Marie Marie	psi		Injection I Depth (fi		van:
OW-1-13S	53.1	30	13	OW-1-17D	79.5	36	13	OW-1-21S	49.3	38	1/
DW-1-14S	52.7	30	14	:OW-1-18D	76.3	30	25	OW-1-225	49.3	34	11
OW-1-15S	52.2	28	13	OW-1-19D	78.9	32	26	OW-1-23S	48.8	32	n
OW-1-16SR	51.8	28	26	OW-1-20D	79.5	38	26	OW-1-24S	48,4	32	11
OW-1-17S	50.7	26	24	OW-1-210	79.5	36	25	OW-1-25S	46.8	30	12
OW-1-18S	50.2	31	12	OW-1-22D	79.5	28	24	OW-1-26S	48.3	32	13
OW-1-19S	49.7	POINT	OFF	OW-1-23D	78.7	44	24	OW-1-27S	48.3	30	13
OW-1-20S	49.3	POINT	OFF	OW-1-24D	78.2	40	26	OW-1-28S	48.3	30	1.3
	njection B		DSI		Injection B	- Indiana	7301		Injection 6		) Pin
OW-1-25D	Depth (ft)		Dist	OW-1-29S	Depth (ft)	acth	<u> </u>	OW-1-33D	DTW 83,2	DO(mg/L	1
		100	26			34	12	577-1-005	00.2	32	28
OW-1-26D	78.1	34	26	OW-1-30S	48,8	34	13	OW-1-34D	84.5	32	29
	77.9	42	27	OW-1-31S	49.3	30	13	OW-1-35D	85.0	30	28
OW-1-270	78,0	32	26	OW-1-32S	49.3	36	12	OW-1-36D	85.0	38	29
OW-1-270 OW-1-28D		-		OW-1-33S	49.7	44	13	OW-1-37D	84.0	36	28
	78.4	36	26	1				the state of the s	-		
OW-1-28D	78.4 79.0	36	26 32	OW-1-34S	50.1	32	12	OW-1-38D	82.0	30	27
OW-1-28D				OW-1-34S	50.1 50.3	32	12	OW-1-38D	82.0 78.0	30 34	27
OW-1-28D OW-1-29D	79.0	30	32								1

		Hemps	lead Inter	section Oxy	en Inje	ction Re	medial S	CE LOG SHE Vistem Number	or 1		
	Injection B		1		njection B		Marketti erikkana va ara ara ara	1	niection B	lank 12	
OW-1-375	Depth (ft) 50,5	T	051	OW-1-41D	73.6	1	ieq	0111.1.15	Depth (fi	1	psi
······································	-	146	12		73,0	32	22	OW-1-43	67.4	38	19
OW-1-38S	50.6	32	13	OW-1-42D	71.0	28	20	OW-1-44	66.6	30	18
QW-1-39S	50.7	126	12	OW-1-45	65.7	32	18	OW-1-51R	60.6	28	16
OW-1-40S	51,1	30	14 +3ma	OW-1-46	64.3	30	17	OW-1-52	59,3	36	16
OW-1-41S	51.5	32	14	OW-1-47	63.4	38	17	OW-1-53	60.0	34	16
OW-1-42S	51.3	34	13	OW-1-48	62.5	30	18	OW-1-54	60.0	36	16
-	-			OW-1-49	61.5	28	16	-	-		
-	-			OW-1-50	61.0	28	16	- (			
	-										
		- En el Anssis i can incuso	Martin and the control of the control				t 30 scf			The state of the s	
ne steam ea what is the sail was subary.	Injection 3		- 1		Contb (ff)			1	Injection E		
	Injection B Depth (fit)		mi		loisclion B Dopth (ft)	-	pei			Bonk DO(ma/L)	PID
			pei				pai				PID
			poi				poi				PID
			pni				poi				PID
			ppi				<u>pari</u>				PID
			poi				pol				PID
			gmi				poi				PID
			pni				pei				PID
			pni				P04				PID
			pni				pel .				PID
			pni				poi				PID
			pni				pei .				PID
											PID
omments:			pn:		Depth (ft)	scate	gei				PID

				TION OPERA							
1	58 Hilton	Ave. He	mpstead,	NY	)	CHOII RE	emediai 5	Date		124 10	^
				Number 2				Time	1370	20	<u> </u>
		National (						Weather	40 0	210	
			al Measure 2897-30-1		1	Insi	ide Trailer	Temperature	oper	able	0
	C	2 Genera	ator			C	ompresso	Performed By r (Kaesar Re	otary Sc	rew)	ub
				•			ompresed.	Trucour In	July 00	i Cwy	
Hours			5417	L	Compre	essor Ta	nk *		110		(psi)
Feed Air Pre	essure *		110	(psi)	Deliver	y Air			110		(psi)
Cycle Pressi	ure *	High:	66		4	t Outlet	Temperati	ire	178	_	(°F)
(L / R) Oxygen Rec	oivor Pro	Low:	_0_	0 (psi)	4				120	5	
Oxygen Rec	eivei Pie	ssure		(psi)	Kunnin	g Hours			0301	2	(hours)
Oxygen Rec			ure	128	Loading	g Hours			5432	51	(hours)
Oxygen Puri	tv		87.8	(psi) (percent)							
* maximum read		loading cy		(percent)	* maximu	m reading	during loadi	na cycle			
	Booster	Pump (	Powerex)					ank & Eco-l	Drain	-10	
Hours: Br	oker		_		Conder	ısate Pui	rged On	N) Conder	nsate En	nptied (Y	D(1)
	Injection B Depth (ff)		psi		Injection B Depth (ft)		psi		Injection E		noi
OW-2-2	90.2	26	31.0	OW-2-9S	75.0	28	20.0	OW-2-10D	97.2	26	27.5
OW-2-3	94.3	24	20.0	OW-2-10S	75.0	28	31.5	OW-2-11D	100.8	28	32.5
OW-2-4	94.7	26	38.0	OW-2-11S	76.5	28	10.5	OW-2-12	94.0	25	19.0
OW-2-5	95.3	28	30.0	OW-2-13S	75.0	28	19.0	OW-2-13D	97.0	OF	F
OW-2-6	95.7	28	31.0	OW-2-15S	75.0	17	4.0	OW-2-14	96,4	26	28.5
OW-2-7	96.0	28	30.5	OW-2-16S	75.5	26	19.5	OW-2-15D	94.6	33	20-
OW-2-8	96.3	18	30.0	OW-2-18S	74.5	26	19,0	OW-2-16D	94.1	31	30.0 26.0
OW-2-9D	96.7	28	30.0	OW-2-20S	79.0	24	21.0	OW-2-17	95.0	26	29.0
Comments:	4	10		AT	l Point		t 30 scfl	1		20	[2].0
Notes:											

	Injection E Depth (fi	Control Victoria	pai		Injection E Depth (ft		psi		njection E Depth (ft		psi
OW-2-18D	95.5	31	30.0	OW-2-22S	76.0	30	20.0	OW-2-26D	95.0	28	31.5
OW-2-19	96.1	25	30.0	OW-2-24S	77.8	26	23.0	OW-2-27	93.5	26	28.
OW-2-20D	96.6	27	6.0	OW-2-26S	/4.0	27	19.5	OW-2-28D	92.1	26	27.0
OW-2-21	96.6	28	28.0	OW-2-28S	76.0	28	21.0	OW-2-29	92.2	24	28.0
OW-2-22D	96.3	28	27.5	OW-2-30S	67.8	26	17.0	OW-2-30D	88.0	25	26.0
OW-2-23	97.2	POINT	OFF	OW-2-34	71.0	26	200	OW-2-31	86.0	25	26.5
OW-2-24D	97.0	POINT	OFF	OW-2-35	69.2	26	21.0	OW-2-32	84.0	25	24.5
OW-2-25	96.0	28	7.0	OW-2-36	64 8	27	18.0	OW-2-33	82.0	28	26.0
	Injection B	and the same of th	psi		Injection B Depth (ft)		psi				
OW-2-37	E-constant and	scfh		OW-2-45		scfh	psi				
	52.5	28	20.0			30	20.0		-		
OW-2-38	62.1	30	19.0	OW-2-46	61.0	30	14.5				
	60.0	29	18.0	OW-2-47	60.5	34	20.0				
OW-2-39	60.0	1-1									
OW-2-39	61.7	POINT	OFF	-	-						
			0FF	-	-						
OW-2-40	61.7	28		-	-						
OW-2-40 OW-2-241	61.7	28	14.5	-	-			_		-	_
OW-2-40 OW-2-241 OW-2-42	61.7 61.7	28 28 POINT	14.5	-	-			-	-	-	-

		Date	4/24/20
Trailer		GENERAL SYSTEM NOTES	7- 1/2
Hanici	1) Performed general housekee	eping (i.e. sweep, collect trash inside and out, etc.)	
	, and general wasoned	Yes V	
	2) Abnormal conditions observe		-
	3) Other major activities comple	eted 0,1 added to compress.	16
		en acoust o Courses	
	4) Supplies needed MyC		
	4) Supplies needed Wyk		-
	\	12	
	5) Visitors VON - V	luin sustem /	
		OPERATIONAL NOTES	
SA5 Air	Compressor		
	Oil Level Checked with system     Note of the checked with system		No
		elivery Air Pressure is less than 9 psi	
	2) Oil Level with system unloade		
	Low (red) 3) Oil added		white wheels
	4) Oil changed	Yes No No No	_
	5) Oil filter changed		-
	6) Air filter Changed	Yes No Yes	
	Oil separator changed	Yes No	
	8) Terminal strips checked	Yes No V	
		Manager and Manage	-
S-80 O	2 Generator		
\S-80 O	2 Generator  1) Prefilter changed	YesNo	

				TION OPERA							
Oxygen i	Interim Project	Remedia lational G Remedia No. 1702	l System l Grid Il Measure 2897-30-1	Number 2		Insid	de Trailer 7 P	Date Time Weather Femperature erformed By	51 01 60 00 00	Cook	
	0	<sub>2</sub> Genera	itor		-	Co	mpresso	(Kaesar R	otary Sc	rew)	
Hours			54673		Compre	essor Tar	nk *		110	_	(psi)
Feed Air Pres	ssure *		110	(psi)	Delivery	/ Air			110	_	(psi)
Cycle Pressu	ire *	High:	66		-	t Outlet	Temperatu	re	172	_	(°F)
(L / R) Oxygen Rece	eiver Pres	Low: ssure *		64	Running	y Hours			6354	16	(hours)
Oxygen Rece (reading from				(psi) 129	Loading	Hours			5483	50	(hours)
Oxygen Purit		loading cy	<u>88.7</u>	(psi) (percent)	* maximu	m reading	during loadin	ng cycle			
			Powerex)				Air T	ank & Eco-	Orain		
Hours: 130	oken	·	_		Conden	sate Pur	ged ( N	) Conde	nsate En	nptied (	D()
water-	Injection S Depth (fit)		psi	-	lajection B Depth (ft)	- Transcore	ps/	AND THE MILE OF THE PARTY OF TH	Injection E		ps.
OW-2-2	90.2	31	31.0	OW-2-9S	75.0	30	20.0	OW-2-10D	97.2	29	27.5
OW-2-3	94.3	26	27.5	OW-2-10S	75.0	20	31.0	OW-2-11D	100.8	29	33,0
OW-2-4	94.7	30	28.0	OW-2-11S	76.5	30	10.5	OW-2-12	94.0	29	M.C
OW-2-5	95.3	32	20.0	OW-2-13S	75.0	29	19.0	OW-2-13/D	97.0	OF	F
OW-2-6	95.7	31	31.0	OW-2-15S	75.0	31	19.0	OW-2-14	96.4	34	28.5
OW-2-7	96.0	32	30.0	OW-2-16\$	75.5	30	19.5	OW-2-15D	94.6	35	
OW-2-8	96.3	31	30.0	OW-2-18S	74.5	29	19.0	OW-2-16D	94.1	31	26.0
OW-2-9D	96.7	30	30.0	OW-2-20S	79.0	30	21.0	OW-2-17	95.0	20	29.0
Comments:				А	ll Point	ts set a	t 30 scfl	1			
Notes:			myny cydd i fywrgo canol	01 to 6 / 11 (10 to 2 to 1)			***************************************	ennime e e e e e e e e e e e e e e e e e e			

	Injection B Depth (ft)		psi		Injection E		psi		Injection E		psi
OW-2-18D	95.5	122	33.0	OW-2-22\$	76.0	27	100	OW-2-26D	95.0	31	31.5
OW-2-19	96.1	29	30.0	OW-2-24S	77.8	28	23.0	OW-2-27	93,5	32	28.0
OW-2-20D	96.6	27	7.0	OW-2-26S	74.0	27	40	OW-2-28D	92.1	32	27,0
OW-2-21	96.6	29	28.0	OW-2-28S	76.0	28	21.0	OW-2-29	92.2	34	28.0
OW-2-22D	96,3	30	27.5	OW-2-30S	67.8	30	17.0	OW-2-30D	88.0	34	26.0
OW-2-23	97.2	07	F	OW-2-34	71.0	30	19.5	OW-2-31	86.0	33	26.0
OW-2-24D	97.0	Of	F	OW-2-35	69.2	27	21.0	OW-2-32	84.0	34	24.0
OW-2-25	96.0	24	OFF	OW-2-36	64.8	26	18.0	OW-2-33	82.0	38	25.5
1	Injection Ba Depth (ft)		psi		njection B Depth (ft)	scfh	psi	Moi	nitoring Po DTW	DO(mg/L)	PID
		- leu		10se	njection 8	ank H	1	Mo	nitoring Po	pint Logs	
OW-2-37	62.8	20	200	OW-2-45	61.1	22	000	MP-2-			1
		10	20.0			28	20.0	1011 -2-1			/
OW-2-38	62.1	30	19.0	OW-2-46	61.0	26	18.0	MP-2-2			
OW-2-39	60.0	30	18.0	OW-2-47	60.5	40	19.5	MP-2-3S			
	61.7	0	FF		-			MP-2-SD			
OW-2-40	1	28	95	-	-			MP-2-4			
OW-2-40 OW-2-241	61.7	10	10			1		145.05			
	61.7	0	20.0	-	-			MP-2-5		1	
OW-2-241		0		-	-			MIP-2-5	-	-	-
OW-2-241 OW-2-42	61.6	0		-				MP-2-5	-	-	-

		Date: 5/15/20
AL SYS	TEM NOTES	Date. 5/13/20
Trailer	Performed general housekee     Abnormal conditions observe	ping (i.e. sweep collect trash inside and out, etc.) YesNo d (e.g. vandalism)None
	Other major activities comple	ted Tuned OFF point OW-2-25
	4) Supplies needed None	
	5) Visitors Vone - N	1a in System 1
RATION	AL NOTES	
	Compressor  1) Oil Level Checked with system * Unload system, wait until Do 2) Oil Level with system unloade Low (red)  3) Oil added 4) Oil changed 5) Oil filter changed 6) Air filter Changed 7) Oil separator changed 8) Terminal strips checked 0; Generator 1) Prefilter changed 2) Coalescing changed	elivery Air Pressure is less than 9 psi

				TION OPERA							
Oxygen i	Interim	Remedia lational G Remedia	l System I	Number 2			de Trailer	Date	6/1 013 60-7		
		<sub>2</sub> Genera	-			Co		r (Kaesar Ro			
Hours			55441		Compre	ssor Tar	nk *		110		(psi)
Feed Air Pre	ssure *		110	(psi)	Delivery	Air			110		(psi)
Cycle Pressu	ıre *	High: Low:	65	67 (psi)	Elemen	t Outlet 1	Temperatu		171		(°F)
Oxygen Rece	eiver Pres	ssure *	-	66 (psi)	Running	Hours			6433 5561	7	(hours)
Oxygen Rece (reading from			ге	130	Loading	Hours		12	<u>5561</u>	2	(hours)
Oxygen Purit * maximum read	ling during	loading cyc	33.7 de		* maximu	n reading	during loadin	ng cycle			
	Booster	Pump (	Powerex)				Air T	ank & Eco-L	)rain		
Hours:	noke	1	_		Conden	sate Pur	ged (V)	) Conder	sate Em	ptied (Ŷ	DN)
	Depth (ft)		22	3	Depth (ft)		psr		Depth (fr		psi
OW-2-2	90.2	27	31.0	OW-2-9S	75.0	28	20.0	OW-2-10D	97.2	28	27.5
OW-2-3	94.3	28	24.5	OW-2-10S	75.0	28	31.0	OW-2-11D	100.8	29	32.0
OW-2-4	94.7	24	42.0	OW-2-11S	76.5	28	10.0	OW-2-12	94.0	30	19.0
OW-2-5	95.3	28	30.0	OW-2-13S	75.0	28	19.0	OW-2-13D	97.0	OF	F
ØW-2+6	95,7	27	31.0	OW-2-15S	75.0	27	19.0	OW-2-14	96.4	33	28.5
OW-2-7	96.0	27	30.0	OW-2-16S	75.5	28	19.0	OW-2-15D	94.6	33	30.0
OW-2-8	96.3	27	30.0	OW-2-18S	74.5	26	14.0	OW-2-16D	94.1	31	26.0
OW-2-9D	96.7	28	30.0	OW-2-20S	79.0	29	21.0	OW-2-17	95.0	29	29.0
Comments:				Al	l Point	s set a	t 30 scff	1			
Notes:	Tangkap and Sanah sanah sanah		mercia de la completa								

		Hempst	lead Inter	section Oxyg	gen Inje	ction Rea	medial Sy	stem Numbe	r 2		
	Injection/B	lank D		A	Injection B	ank F	- 1		ninglion D	ank I	
	Depth (ft		psi		Depth (ft		psi		Depth (ft		psi
OW-2-18D	95.5	26	29.5	OW-2-22S	76.0	30	20.0	OW-2-26D	95.0	29	32.
OW-2-19	96.1	32	29.5	OW-2-24S	77./8	28	23.0	OW-2-27	93.5	27	28
OW-2-20D	96.6	26	5.0	OW-2-26S	74.0	26	19.0	OW-2-28D	92.1	25	27.0
OW-2-21	96.6	30	280	OW-2-28S	76.0	28	21.0	OW-2-29	92.2	29	281
OW-2-22D	96.3	29	21.5	OW-2-30S	67.8	26	17.5	OW-2-30D	88.0	23	26.0
OW-2-23	97.2	OF	F	OW-2-34	71.0	21	19.0	OW-2-31	86.0	24	26.0
OW-2-24D	97.0	OF	F	OW-2-95	69.2	26	21.0	OW-2-32	84.0	22	24.0
OW-2-25	96.0	OF	FF	OW-2-36	64.8	26	18.0	OW-2-33	82.0	28	26.0
	njection B	ant C			II Point		t 30 scfi		Marine 17		
	Depth (ft)		psi	4	Depth (ft)		psi	MIGI	ottoring Po DTW	DO(mg/L)	PID
OW-2-37	62.8	28	10,5	OW-2-45	61,1	28	19.5	MP-2-1			
OW-2-38	62.1	29	19.0	OW-2-46	51.0	27	19.0	MP-2-2	*************		/
OW-2-39	60.0	27	18.0	OW-2-47	60.5	32	19.0	MP-2-3S			
OW-2-40	61.7	OF	F	4	-			MP-2-SD			
OW-2-241	61.7	26	19.5	-	-			MP-2-4			
OW-2-42	61.6	25	19,5	-	-			MP-2-5	1		
OW-2-43	61.4	OF	F	-	-			- /	1-		-
OW-2-44R	60.6	28	19.5	-	-			-/		-	-
		afara tarang ani ang ani ang ani		A	ll point	s set a	t 30 scfi	1			1 32. 7 28 5 27. 3 26. 1 26. 2 24. 3 26.
Comments:					40						

		Date: 6 (17/25)
AL SYSTI	TEM NOTES	
Trailer	Performed general housekeeping (i.e. sweep_collect trash inside and out, etc.)     Yes	a
	3) Other major activities completed More	
	4) Supplies needed Mone	
	5) Visitors MONE - MQ IN System 1	
RATIONAL		
igas air c	Compressor  1) Oil Level Checked with system unloaded*  * Unload system, wait until Delivery Air Pressure is less than 9 psi  2) Oil Level with system unloaded  Low (red)  Normal (green)  High (grang	
	3) Oif added Yes M 4) Oil changed Yes N 5) Oil filter changed Yes N 6) Air filter Changed Yes N 7) Oil separator changed Yes N 8) Terminal strips checked Yes N	
AS-80 O	8) Terminal strips checked Yes N Generator	0
		0

				FION OPERA section Oxyg				stem Numbe	er 1	114/20	
	Na Interim F Project I	ational Gr Remedial No. 17028	rid Measure 397-30-1	lumber 1			P	Date: Time: Weather: remperature: erformed By:	08 80- 010 M	60 90, Ltd NABLE IKĚ COL	t j. Hum
·	O <sub>2</sub>	General	or			Con	npressor	r (Kaesar Ro	tary Scr	ew)	
-lours		3	2243		Compres	sor Tank	*		140		(psi)
eed Air Pres	sure *		140	(psi)	Delivery	Aur			140		(psi)
Cycle Pressur	e *	High:	70		Element	Outlet Te	emperatu	re	190		(°F)
(L / R) Oxygen Recei	ver Pres	Low: sure *	0 1	5 (psi) 75	Running	Hours			1291	9	(hours)
Oxygen Recei				(psi) 115	Loading	Hours			8966		(hours)
Oxygen Purity			89.5	(psi) (percent)	* maximun	n reading d	luring loadi	ng cycle			
			Powerex)					ank & Eco-l	Drain		
Hours: 15	660.0	>8 - A	ion ofe	LATIONAL			ged (Y) 1	N) Conde	nsate Em		/N)
.!	Depth (f)		iesi.		Depth (ft)	ank 2 sofh	psi		Depth (ft)		psi
R-11-WO:	95.5	26	26	10W-11-5S	67.3	28	18	OW-1-9D	88.5	30	28
OW-1-2	96.5	POINT	OFF	OW-1-6\$	67.0	20	18	OW-1-10D	87.2	26	27
OW-1-3	96.3	26	30	OW-1-75	66:9	28	17	OW-1-11D	86.1	24	29
OW-1-4	95.0	26	30	OW-1-8S	66.7	22	18	OW-1-12D	85.3	28	28
OW-1-5D	93.9	30	29	OW-1-95	66.0	26	18	OW-1-13D	84.7	30	28
OW-1-6D	92.4	28	29	OW-1-10S	54.6	26	13	OW-1-14D	84.1	28	28
OW-1-7.D	1941.4	32	28	-OW-1-115	54.1	30	14	OW-11-115D	83.3	34	28
OW-1-8D	69.6	26	28	OW-1-125	53.6	30	16	OW-1-16D	82.5	26	14
Comments:					All Poin	ts set a	nt 30 sc	fh		.,	
Notes: Z	ONE	1 =	BANKS	1+3							

								E LOG SHEE		, ,	
		Hempste	ad Inters	ection Oxyge	en Inject	tion Ren	redial Sy	stem Number	1		
<u>l</u> t	njection B	ank 4	1	<u>II</u>	njection Ba	<u>nk 5</u>		1	jection Ba		
	Depth (ft)	sch	<u>D5i</u>	1	Depth (ft)	soft	<u>psi</u>		Depth (ft)	softs	psi
OW-1-13S	53.1	28	13	OW-1-17D	79.5	18	13	OW-1-21S	49.3	28	11
OW-1-14S	52.7	26	14	OW-1-18D	78.3	26	25	OW-1-22S	49.3	32	11
OW-1-15S	52.2	26	13	OW-1-19D	78.9	20	26	OW-1-23S	48.8	28	11
DW-1-16SR	51.8	26	26	OW-1-20D	79,5	28	26	OW-1-24S	48.4	28	11
OW-1-17S	50.7	24	24	OW-1-21D	79.5	28	25	OW-1-25S	48.8	26	12
OW-1-18S	50.2	24	12	OW-1-22D	79.5	24	24	OW-1-26S	48.3	28	12
OW-1-19S	49.7	POINT	off	OW-1-23D	78.7	26	24	OW-1-27S	48.3	26	12
OW-1-20S	49.3	BINE	044	OW-1-24D	78.2	26	26	OW-1-28S	48.3	26	13
Comments:							t 30 sci				
	Injection I		psi		Depth (ft)		psi	1	njection E	DO(mg/L)	PID
OW-1-25D	78.1	26	26	OW-1-29S	48.5	30	12	OW-1-33D	83.2	28	28
OW-1-26D	78.1	14	26	OW-1-30S	48.8	28	13	OW-1-34D	84.5	28	29
OW-1-27D	77.9	30	27	OW-1-31S	49.3	28	13	OW-1-35D	85.0	38	28
OW-1-28D	78.0	28	26	OW-1-32S	49.3	26	12	OW-1-36D	85.0	14	29
OW-1-29D	78.4	28	26	OW-1-33S	49.7	26	13	OW-1-37D	84.0	20	28
OW-1-30D	79.0	1	32	OW-1-34S	50.1	36	12	OW-1-36D	82.0	26	28
OW-1-31D	80.5		OFF	OW-1-35S	50.3	26	13	OW-1-39D	78.0	28	26
OW-1-32D	81.6		28	OW-1-36S	50.3	30	13	OW-1-40D	76.0	26	25
Comments:					All poir	te eat	at 30 ea	·fla			

The second secon								·			
<u>Ir</u>	Depth (ft)	mk 10 scfh	psi	<u>h</u>	Depth (ft)		psi :		Depth (ft)	Control of the control	psi
DW-1-37S	50.5	26	12	OW-1-41D	73.6	26	22	OW-1-43	67.4	26	19
OW-1-38S	50.6	26	13	OW-1-42D	71.0	28	20	OW-1-44	66.6	28	18
OW-1-39S	50.7	20	12	OW-1-45	65.7	26	18	OW-1-51R	60.6	28	16
OW-1-40S	51,1	28	13	QW-1-46	64.3	26	17	OW-1-52	59.3	26	15
OW-1-41S	51.5	30	13	OW-1-47	63.4	28	17	OW-1-53	60.0	26	16
OW-1-42S	51.3	30	13	OW-1-48	62.5	34	18	OW-1-54	60.0	26	15
-	-	X		OW-1-49	61.5	26	16	-	-		
-	-			OW-1-50	61.0	28	16	-	-		
	Injection I		psi		Injection Depth (fi		psi		Injection DTW	Bank DO(mg/L	) PID
	1		,,								
			psi		3711		pai				) PID
			psi		3711		psi				) PID
			psi		3711		pai				) PID
			Pai		3711		pei				) PID
			psi		3711		psi				) PID
			Pai		3711		pei				PID
			pei		3711		pei				) PID
			pai		3711		pei				PID
			pai		37110-11-11-11-11-11-11-11-11-11-11-11-11-		pei				PID

			Date: 7/14/20
		GENERAL SYSTEM NOTES	8
Trailer	Performed general housekeep     Abnormal conditions observed	Yes	No
	Other major activities complete	ed <u>(UKULED</u> K	the extinumister / wiper
	4) Supplies needed NWK		
	5) Visitors Now		
		OPERATIONAL NOTES	
GA5 Air	Compressor		
	Oil Level Checked with system     * Unload system, wait until De     Oil Level with system unloade	liwery Air Pressure is less that d	Yes No n 9 psi No High (orange)
	Low (red)	Yes (green)	No V
	3) Oil added		No J
1	4) Oil changed 5) Oil filter changed	YesYes	No ./
	6) Air filter Changed	Yes	No /
	Oil separator changed	Yes	No J
	Terminal strips checked	Yes	No J
AS-80 C	O <sub>2</sub> Generator	and the second of the second	anapag organization
			No /
	Prefilter changed	Yes	NO ./

		Contract of the last						E LOG SHEE stem Number			
	jection R Na Interim R Project N	emedial tional Gi emedial	System I rid Measure 397-30-1	lumber 1		Inside	: Trailer F	Date: Time: Weather: Temperature: Performed By: r (Maesar Rot	03/ 8036/ Low Gres	705 °F Vouzn	Tsten
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		-	E		************	-	(Page Sal More	-	The state of the s	
Yours			32,70	)	Compres	sor Tank	*		160		(psi)
eed Air Press	sure "		140	(psi)	Delivery Air						(psi)
Dycle Pressur	e *	High:	721	74 (psi)	Element	Outlet Te	mperati	ire	194		(°F)
(L/R)		Low:	Ø	6 (psi)					1757	C/	
Oxygen Recei	ver Pres	sure *		72 (psi)	Running	Hours			1723	Ø	(hours)
Oxygen Recei	ver Tank	Pressur		6AD 54	Loading	Hours			13,53 9,38	3	(hours)
reading from				115					,		
Dames Penite			/AG.	(psi) (percent)							
Dxygen Purity maximum readii		pading cyc	-	(Franciality)	(* maximun	n reading d	uring loadi	ing cycle			
			Powerex)				Air	Tank & Eco-D	rain		
lours:	week and discounts				Condens	ate Purg	ed (Y)	N) Conden	sate Em	ptied (V	(NC
	niection Ba	market St.			Injection Ba	nk 2 soft	enni /	1	njection B Death (fi)		pni
	Depth (ft)	2/	10/	CHALL ST	The state of the state of the state of	31	17	-(OW-(I-9D	86.5	30	
· /O/W/-11-11	95.5	26	26	IOW-II-SS	67.3	21	1/	1000-11-00	60.0	30	28
OW-1-2	96.5	Post	off	OW-1-6S	67.0	47	17	OW-1>100	87.2	20	26
CAN-1-3	96.3	25	30	OW-1-75	-66:9	30	17	OW-1-11D	.86.1	28	29
OW-1-4	95.0	25	29	OW-1-85	66.7	30	17	OW-1-12D	85.3	19	128
OW-1-5D	99.9	26	29	OW-1-95	66.0	28	18	OW-1-13D	84.7	128	28
OW-1-6D	92.4	26	129	OW-1-1.0S	54.6	32	12	OW-1-14D	84.1	26	28
OW-1-7D	61.1	16	28	OW-1-115	54.1	31	14	OW-1-150	#3.3	26	38
OW-1-80	69.6	26	28	OW-1-125	53.6	29	14	OW-1-16D	82.5	28	13
Comments:				J	III Point	s set a	t 30 sc	fh			
	and the second s	*************		The state of the s	****	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	photo market and the section of	- more de l'accesse de la lace de l'accesse	-		,

	jection Ba		1		jection Bar				ection Bai Depth (ff)	sch	psi
OW-1-13S	53.1	28	13	OW-1-17D	79.5	21	13	OW-1-218	49.3	281	11
OW-1-14S	52.7	25	14	DW-1-18D	78.3	28	25	OW-1-225	49,3	28	10
OW-1-15S	52.2	26	13	OW-1-19D	78.9	28	26	OW-1-23S	48.8	27	10
DW-1-16SR	51.8	27	26	OW-1-20D	79.5	26	26	OW-1-24S	48.4	271	11
OW-1-175	50.7	19	24	OW-1-210	79.5	27	25	OW-1-25S	48.8	26	12
OW-1-18S	50.2	23	12	OW-1-22D	79.5	21	24	OW-1-26S	48.3	26	12
OW-1-19S	49.7	-	-	OW-1-23D	78,7	28	24	OW-1-27S	48.3	27	12
OW-1-205	49.3	_	-	OW-1-24D	78.2	25	26	OW-1-28S	48.3	25	1.3
	Injection B				Injection B		t 30 scfl		njection B	ank 9 DO(mg/L)	PID
OW-1-25D	Depth (ft)	20	26	OW-1-29S	48.5	27	12	OW-1-33D	83.2	28	28
OW-1-26D	78.1	120	26	OW-1-308	48.8	26	12	OW-1-34D	84.5	28	28
OW-1-270	77.9	123	126	OW-1-31S	49.3	28	13	OW-1-35D	85.0	27	28
OW-1-28D	78,0	124	26	OW-1-325	49.3	124	12	OW-1-36D	85.0	128	28
OW-1-29D	78.4	126	25	OW-1-335	49.7	26	112	OW-1-37D	84.0	14	28
OW-1-30D	79.0	121	132	OW-1-34S	50.1	128	112	OW-1-36D	82.0	128	126
OW-1-31D	80.5	-	_	OW-1-35S	50.3	126	113	OW-1-39D	78.0	127	126
OW-1-32D	81.6	24	17	OW-1-36S	50.3	31	13	OW-1-40D	76.0	26	12
		101	100	-	-	***********	at 30 sc	e , and the second			

				TION OPERA							
		contract	au mei	POSTION CAYO	ar most	WINCEL DESIGN	and the same of the	MANAGE PERSONAL			
<u>t</u> r	njectron Ba				nection Ba				niection Ba		mal
	Depth (ft)	scfh	psi	1	Depth (ft)	The state of the s	psi '	,	Depth (ft)	scfh	psi LC.
OW-1-37S	50.5	11	12	OW-1-41D	73.6	26	73	OW-1-43	67.4	25	19
OW-1-38S	50.6	30	13	OW-1-42D	71.0	27	20	OW-1-44	66.6	32	18
OW-1-39S	50.7	16	12	OW-1-45	65.7	24	18	OW-1-51R	60.6	24	16
OW-1-405	51.1	24	13	10W-1-46	64.3	127	17	OW-1-52	59.3	24	15
OW-1-415	51.5	128	13	OW-1-47	63.4	27	17	OW-1-53	60.0	26	16
OW-1-42S	51.3	27	13	OW-1-48	62.5	25	18	OW-1-54	60.0	24	15
-	-			OW-1-49	-61.5	25	16	-	-		
-	-			OW-1-50	61.0	27	16	-			
	foliaction i		pei		Depth (ft		poi		Injection DYW	DOmk. DOmail	) PID
MATERIAL PROSPECTOR PLANS						-	-				
	1		1	1	1						
alery balance with the register register and an armit of		1	1	N.			P.	100			
						-	1				
Comments:					All poi	nts set	at 30 se	in the second se			

Calculation Anna 249, Anna	*		Date: 08/12/20
		GENERAL SYSTEM NO	
Trailer	Performed general housekeep     Abnormal conditions observed	Yes V	No
	Other major activities complete	ed Checked	Fire Extinguisher - Good
	4) Supplies needed Non (		
	5) Visitors None		
		OPERATIONAL NOT	ES
GA5 Air	Compressor  1) Oil Level Checked with system  * Unload system, wait until De  2) Oil Level with system unloade	livery Air Pressure is les	Yes No Sthan 9 psi
	Low (red)  3) Oil added 4) Oil changed 5) Oil filter changed 6) Air filter Changed 7) Oil separator changed 8) Terminal strips checked	Normal (green Yes Yes Yes Yes Yes Yes Yes Yes	High (orange) No No No No No No
AS-80 (	O, Generator  1) Prefilter changed 2) Coalescing changed	Yes Yes	No No

				TION OPERA section Oxyg							
Oxygen In	jection R Na Interim R Project N	emedial itional Gr	System 1 id Measure	Number 1		Inside	: Trailer 1	Date: Time: Weather: remperature: enformed By: r (Kaesar Ro	glisso Jose Olece Mike	DUNG	
and the sufference and water and and the sufference	<u> </u>					QUII	into conce	(macsar no			
Hours		-	3325	1	Compres	sor Tank	( *		125		(psi)
Feed Air Pres	sure "		125	(psi)	Delivery	Adio			140		(psi)
Cycle Pressur		High:	70		Element	Outlet To	emperatu	re	199		(°F)
(L / R) Oxygen Recei		Low: sure *	0 1	9 (psi) 74 (psi)	Running	Hours			1433	31	(hours)
Oxygen Recei			e	(psi) 115	Loading	Hours			9931		(hours)
(reading from				(psi) (percent)							
Oxygen Purity * maximum readi				(bercent)	* maximun	n reading d	uring loadi	ng cycle			
		Pump (F		)			Air T	ank & Eco-D	rain		
Hours: 15	660.	08 -	- NEED	S AUDHENT	Condens	sate Purg	jed (V)	N) Conder	sate Em	ptied	)/N)
aces granus multi-granus metapatu sa-bushum kelul	Depth (ff)	ank 1	1991		Injection Ba Depth (ft)	ok 2 selh	<u>esi</u>		Injection B Depth (fit)		psi
OW-11-11	95.5	34	26	OW-1-5S	67.3	28.	17	OW-1-9D	89.5	32	28
10W-1-2	96.5	POINT	OFF	OW-1-6S	67.0	30	17	OW-1-10D	37,2	36	27
OW-1-3	96.3	36	30	OW-1-7S	-66:9	34	17	OW-1-11D	86.1	34	29
OW-1-4	95.0	34	29	OW-1-8S	.66.7	32	17	OW-1-12D	85.3	40	28
OW-1-5D	93.9	36	28	OW-1-95	66.0	36	18	OW-1-13D	84.7	32	28
OW-1-6D	92.4	32	28	OW-1-1.0S	54.6	28	12	OW-1-14D	84.1-	32	28
ØW-1-7D	191.1	34	28	OW-1-11S	54.1	30	14	OW-11-15D	83.3	34	28
OW-1-8D	69.6	36	29	OW-1-12S	53.6	36	14	OW-1-16D	82.5	30	14
Comments:					All Poin	ls set a	t 30 sc	ħ			
Notes:		erijanda <del>jak</del> r	and the second								

								E LOG SHEET Stem Number			
li	nection B	ank 4	II.	11	ijection Ba	ink 5	П	lia	ection Ba	nk 6	
	Deoth (ft)		DS1		Depth (ft)	sofa	psi	****	Depth (ft)	ach	gsi
OW-1-13S	53.1	32	13	OW-1-17D	1 <b>7</b> 9.5	28	13	OW-1-21S	49,3	34	11
OW-1-14S	52.7	34	14	OW-1-18D	76,3	28	25	OW-1-22S	49.3	30	11
OW-1-15S	52.2	36	13	OW-1-19D	78.9	48	25	OW-1-23S	48.8	36	11
W-1-16SR	51.8	34	26	OW-1-20D	79.5	26	26	OW-1-24S	48.4	34	11
OW-1-17S	50.7	36	24	OW-1-210	79.5	28	25	OW-1-25S	48.8	38	12
OW-1-18S	50.2	38	12	OW-1-22D	79.5	28	24	OW-1-26S	48.3	30	12
OW-1-19S	49.7	POINT	OFF	OW-1-23D	78,7	36	24	OW-1-27S	48.3	26	12
OW-1-205	49.3	Point	off	OW-1-24D	78.2	36	25	DW-1-28S	48.3	48	13
	Injection I	Service Control of the Control of th	nei		Injection B		psi	į.	njection B	ank 9 DO(mg/L)	PID
	Injection ( Depth (f		psi [		Injection B Depth (ft)	sofh	psi (		DTW		PID
OW-1-25D	78.1	40	26	OW-1-29S	48.5	34	12	OW-1-33D	83.2	28	28
OW-1-26D	78.1	44	26	OW 1-30S	48.8	毅	13	QW-1-34D	84.5	32	28
	or or participation of the last of	-	1	OW-1-315	49.3	330	13	OW-1-35D	85.0	36	28
OW-1-270	77.9	42	27		1	06	1		1	100	
OW-1-270	77.9	36		OW-1-325	49.3	3%	12	OW-1-360	85.0	36	28
	-	1	27 26 25	OW-1-325	49.3	30 33 38	12	OW-1-36D OW-1-37D	85.0 84.0		-
OW-1-28D	78.0	<b>3</b> 6	26		-	34 38 38	12			3,6	28
OW-1-28D OW-1-29D	78.0	36 36 32	26 25 32	OW-1-335	49.7	34 38 38	12	OW-1-37D	84.0	3 <i>b</i>	28
OW-1-28D OW-1-29D OW-1-30D	78.0 78.4 79.0	36 36 32 Bint	26 25 32 orf 27	OW-1-33S	49.7	34 38 37 38 37 38	12	OW-1-37D OW-1-36D	84.0	3b 38 30	28 27 26

	njection Bi	and do			niantian D	San La st of					
<u></u>	Depth (ft)		psi	1	Depth (ft)		psi	1	Depth (ft)		psi
OW-1-97S	50.5	34	12	OW-1-41D	73.6	32	22	OW-1-43	67.4	36	19
OW-1-38S	50.6	38	13	OW-1-42D	71.0	34	20	OW-1-44	66.6	32	18
OW-1-39S	50.7	34	12	OW-1-45	65.7	32	18	OW-1-51R	60.6	36	16
OW-1-40S	51,1	32	13	OW-1-46	64.3	34	17	OW-1-52	59.3	38	15
OW-1-415	51.5	28	13	OW-1-47	63,4	40	16	OW-1-53	60.0	36	16
OW-1-42S	51.3	30	13	OW-1-48	62.5	32	17	OW-1-54	60.6	40	15
-	Andrew Constitution of the	1		OW-1-49	61.5	32	16	-	-		
- 1	-			OW-1-50	61.0	28	16	_			
<del></del>	injection Death (f)		pei		Injection Death (f		pni		Injuction I	Bank. DO(mg/L)	PID
			pei				T pal				PID
											PID
											PID
							pai				PID
							pai				PID
							pai				PID
							pai				PID
							pei				PID
							pai				PID
							pani				PID

		ACCURACY AND THE CONTRACT OF A STATE OF A ST	Date: 9/14/20
		GENERAL SYSTEM NOTES	
Trailer	Performed general housekeep     Abnormal conditions observed	ing (i.e. sweep, collect trash inside an Yes (e.g. vandatism) <i>WW</i> E	d out, etc.) No
	3) Other major activities complete	ON EDUPMENT THE	EXTINGUISHER
	4) Supplies needed Wwk		
	5) Visitors Noul		
		OPERATIONAL NOTES	
GA5 Air (	Compressor		7
	2) Oil Level with system unloade	livery Air Pressure is less than 9 psi	V No
	Low (red) 3) Oil added 4) Oil changed	Normat (green) / H	ligh (orange) No
	5) Oil filter changed	Yes	No V
	6) Air filter Changed	Yes	No J/
	7) Oil separator changed	Yes	No J
	6) Terminal strips checked	Yes	No
AS-80 O	<u>Generator</u>		$\mathcal{A}$
	1) Prefilter changed	Yes	No_V/
N .	2) Coalescing changed	Yes	No V

	OXYGE	EN INJE	CTION O	PERATION A Oxygen Injec	tion Ren	nedial S	ystem N	umber 2	4/20		
	Homnst	read Inte	ersection	Oxygen injec				Date - 151	5		
158 Hilton							We	ather: 70s	1805 3	sun_	1
158 Hilton Oxygen Injection					Insid	le Traile	r Temper		erable H Co	rado	1
t taring	Domedia	al Meast	ire					ed By: 1910 sar Rotary Sc	rew)	10.0	
Project	No. 170	12891-30	-1		Co	ompress	or (Naes			/ = 1\	
	O <sub>2</sub> Gener	rator			ressor Ta	nk *		123	_	(psi)	
1767		560	21	Comp	ressor re	ilis.		12:	5	(psi)	1
ours				Delive	ery Air			12	_		1
eed Air Pressure *		125	(psi)				aturo	17.	2	(°F)	1
		66	167	(psi) Elem	ent Outle	Tempe	aluic			VI. 27.0	-
Cycle Pressure *	High: Low:	-	0	(ieq)	· Hour	c		64	898	(hour	5)
(L / R) Oxygen Receiver F			_6	Run	ning Hour	3		561		(hou	rs)
			(psi	) loa	ding Hour	S		361	10	100	1
Oxygen Receiver	Tank Pre	ssure	1	30							
(reading from blue	e tank)		(ps								
		0				w	a loading C	ycle			
Oxygen Purity	الديدانين.	ing cycle		^ m	aximum rea	ding during	Air Tan	k & Eco-Drai	n		
	oster Pu	mp (Po	werex)				1	Condensa	te Emptie	ed ON	)
				C	ondensate	Purged	(AN)				
Hours: Bok	en_			1	ection Bank				ection Bank epth (ft)	scfh	psi
H .	ection Bank	< 1			epth (ft)	scfh	psi			2 10	7.0
	epth (ft)	scfh	psi			2-1	10.0	OW-2-10D	97.2	15 1	1.0
OW-2-2	90.2	41	33.5	OW-2-9S	100	-		OW-2-11D	100.8	26 3	32.0
000-2-2	-+	11		OW-2-10S	75.0	25	31.0	OW-2-11D	-+		7.7
OW-2-3	94.3	79	20.5				00	OW-2-12	94.0	23	19.0
	-	16	400	OW-2-11S	76.5	24	4.0			mit	K
OW-2-4	94.7	68	42.0		75.0	25	19.0	OW-2-13D	97.0	OF	<u>r_</u>
	95.3	24	30.0	OW-2-13S	75.0		-	7.11.11.1	96.4	111	28.0
OW-2-5	95.0	1	100	168	(5.0	22	19.0	OW-2-14	90.4	26	10.0
OVV-2-6	95./	127	30,5	OW-2-15S			1	OW-2-15D	94.6	124	30,0
0.1.5	-	101		014 2 165	75.5	24	19.0	0	+	-	10.
OW-2-7	96.0	126	129.5	- 11	+			1 SIM 2 16D	94.1	123	26.0
	000	127	30.0	OW-2-18S	74.5	21	19.0	-	05.0	24	29.
OW-2-8	96.3	141	-	The state of the state of	79.0	20	121.0	OW 2 17	95.0	12	1210
OW 2 9D	96.7	25	30.	OW 2 20S	1						
OVV 2 9D					All Poi	nts set	at 30 s	ctn			
Comments	i.										
Notes:											
1											
									-		

	njection Ba				njection B	-			njection B		poi
OW-2-18D	Depth (ft) 95.5	34	29.5	OW-2-22S	Depth (ft) 76.0	16	20.0	OW-2-26D	Depth (ft) 95.0	128	200
OW-2-19	96.1	26	29.5	OW-2-24S	77.8	22	23.0	OW-2-27	93.5	25	120
OW-2-20D	96.6	17	6.0	OW-2-26S	74.0	23	19.0	OW-2-28D	92.1	27	71.0
OW-2-21	96.6	26	28.0	OW-2-28S	76.0	24	20.5	OW-2-29	92.2	26	28.0
OW-2-22D	96.3	26	27.0	OW-2-30S	67.8	24	16.5	OW-2-30D	88.0	24	26,0
OW-2-23	97.2	POINT	OFF	OW-2-34	71.0	26	19.5	OW-2-31	86.0	19	960
OW-2-24D	97.0	POINT	OFF	OW-2-35	69.2	24	21.0	OW-2-32	84.0	21	24,0
OW-2-25	96.0	OF	F	OW-2-36	64.8	23	18.0	OW-2-33	82.0	24	25,5
	Depth (ft)		psi	0	Depth (ft		psi				
	Injection B				Injection E					waye a second construction	w-1
OW-2-37	62.8	10	105	OW-2-45	61,1	25	1.				
OW-2-37	62.8	20	19.5	OW-2-45	61,1	25	9.0				
OW-2-37 OW-2-38	62.8	20	19.5 19.0	OW-2-45 OW-2-46	61.1	25 24	1.				
		20 27 16				25 24 28	9.0				
OW-2-38	62.1	L	40	OW-2-46	61.0	2	19.0 19.0				
OW-2-38	62.1	16	19.0 18.0	OW-2-46 OW-2-47	61.0	2	19.0 19.0				
OW-2-38 OW-2-39 OW-2-40	62.1 60.0 61.7	POINT	19.0 18.0 OFF 19.0	OW-2-46 OW-2-47	61.0	2	19.0 19.0				
OW-2-38 OW-2-39 OW-2-40 OW-2-241	62.1 60.0 61.7 61.7	6   POINT   14	19.0 18.0 OFF 19.0 195	OW-2-46 OW-2-47	61.0	2	19.0 19.0	-			
OW-2-38 OW-2-39 OW-2-40 OW-2-241 OW-2-42	62.1 60.0 61.7 61.6	16 POINT 14 21	19.0 18.0 OFF 19.0 195	OW-2-46 OW-2-47	61.0	2	19.0 19.0				

								LOG SHEE tem Numbe		1.1	
	Hilton A	ve. Hem	pstead, N	Y	on inject			Date:	8/12	2/20	
Oxygen Inj	Commence of the Commence of th			umber 2				Time: Weather:	083	Carl	
		tional Gr emedial				Inside	e Trailer T	vveatner: emperature:	unado	le	2
	Project N	o. 17028	97-30-1				Pe	rformed By:	Mass	Com	6
	O <sub>2</sub>	Generat	or			Cor	npressor	(Kaesar Rot	ary Scre	ew)	
Hours		ć	56521		Compres	sor Tani	<b>(</b> *		110	(	(psi)
Feed Air Press	sure *			psi)	Delivery	Air			110	(	(psi)
Cycle Pressure		High:	66	<u> </u>	1	Outlet To	emperatur		172		(°F)
(L / R) Oxygen Recei		Low: sure *	<u></u>	(psi)	Running	Hours		(	5662.	9	(hours)
Oxygen Recei				psi)	Loading	Hours			5662.	5	(hours)
(reading from	blue tank	c)	7	125 psi)							
Oxygen Purity			87.6								
* maximum readi			e Powerex)		* maximun	n reading o	during loadin	g cycle ank & Eco-D	rain		
0	1	rump (r	owerex)	H/min-u-m							V
Hours: 1500	Ken					sate Purç	ged (S)/ N	,		ptied (C)	/N)
	njection Ba Depth (ft)	ank 1 scfh	psi		Injection Bar Depth (ft)	ank 2 scfh	psi		Injection B Depth (ft)		psi
OW-2-2	90.2	24	30.0	OW-2-9S	75.0	24	19.5	OW-2-10D	97.2	30	27.0
OW-2-3	94.3	29	19.5	OW-2-10S	75.0	26	31.0	OW-2-11D	100.8	25	32.0
OW-2-4	94.7	30	36.0	OW-2-11S	76.5	25	10.5	OW-2-12	94.0	27	18.5
OW-2-5	95.3	28	29.5	OW-2-13S	75.0	25	19.0	OW-2-13D	97.0	07	FF
OW-2-6	95.7	30	30.5	OW-2-15S	75.0	32	8.5	OW-2-14	96.4	30	28.0
. OW-2-7	96.0	28	29.5	OW-2-16S	75.5	24	19.0	OW-2-15D	94.6	26	29.5
OW-2-8	96.3	28	30.0	OW-2-18S	74.5	24	18.5	OW-2-16D	94.1	33	26.0
OW 2-9D	96.7	25	29.5	OW-2 20S	79.0	35	21.0	OW 2-17	95 0	30	28.5
Comments:					All Poin	ts set a	at 30 sci	ħ			
Notes.	in in										

	njection B Depth (ft)		psi		njection B	ank 5 scfh	psi		Injection E Depth (ft		psi
OW-2-18D	95.5	25	290	OW-2-22S	76.0	33	19.5	OW-2-26D	95.0	30	32
OW-2-19	96.1	29	29.0	OW-2-24S	77.8	34	23.5	OW-2-27	93.5	28	28.0
OW-2-20D	96.6	26	6.0	OW-2-26S	74.0	30	19.0	OW-2-28D	92.1	30	21.0
OW-2-21	96.6	30	27.5	OW-2-28S	76.0	30	20.5	OW-2-29	92.2	26	27.5
OW-2-22D	96.3	28	21.0	OW-2-30S	67.8	29	16.0	OW-2-30D	88.0	29	26.0
OW-2-23	97.2	POINT	OFF	OW-2-34	71.0	30	19.0	OW-2-31	86.0	32	26.0
OW-2-24D	97.0	POINT	OFF	OW-2-35	69.2	28	21.0	OW-2-32	84.0	31	24.0
OW-2-25	96,0	OF	F	OW-2-36	64.8	27	17.5	OW-2-33	82.0	28	26.0
	Injection B Depth (ft		psi		Injection B Depth (ft)		psi				
			psi				<u>psi</u>		T		
OW-2-37	62.8	32	19.0	OW-2-45	61.1	27	19,0	****			
OW-2-38	62.1	32	18.5	OW-2-46	61.0	27	9.0				
OW-2-39	60.0	28	17.5	OW-2-47	60.5	28	19.5				
OW-2-40	61.7	POINT	OFF	-	-						
OW-2-241	61.7	31	9.0	-	-						
OW-2-42	61.6	28	19.0	0=	-						
	61.4	POINT	OFF	-	-			-	-	3-2	-
OW-2-43	60.6	29	190	-	-			-	-	15	-
OW-2-43						-		4			

				TION OPERA				The state of the s			
	njection I N Interim I Project	Ave. Her Remedia ational C Remedia No. 1702	mpstead, af System Grid af Measure 2897-30-4	NY Number 2		Insid	de Trailer F	Date Time Weathe Temperature Performed B	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	15/20 5,PU 15/24B	VE .
	0	2 Genera	ator	***************************************		Co	mpresso	r (Kaesar R	otary Sc	rew)	
Hours		3	57334	f ·	Compre	ssor Tar	nk *		110		(psi)
Feed Air Pres	sure *		110	(psi)	Delivery	/ Air			110		(psi)
Cycle Pressu	re *	High:	66		-	t Outlet 7	Γemperatι	ıre	174		(°F)
(L / R) Oxygen Rece	iver Pres	Low: ssure *	_0_	66	Running	g Hours			66213		(hours)
Oxygen Rece			ıre	(psi) 125	Loading	Hours			5740	3	(hours)
(reading from	blue tan	k)	0.1	(psi)							
Oxygen Purity  * maximum read		loading cy		(percent)	* maximu	m reading	during loadi	ng cycle			
	Booster	Pump (	Powerex	)			-	Tank & Eco-	Drain		
Hours:	999.	99	-Nueds	refluent	Conden	sate Pur	ged (7)/1	N) Conde	nsate Em	nptied(Y	)/N)
	njection B Depth (ft)		psi		Injection B Depth (ft)		psi		Injection F		psi
ΩW-2-2	90.2	24	30	OW-2-9S	75.0	40	19	OW-2-10D	97.2	36	27
OW-2-3	94.3	30	228	OW-2-10S	75.0	32	31	OW-2-11D	100.8	34	32
OW-2-4	94.7	24	出36	OW-2-11S	76.5	42	10	OW-2-12	94.0	42	19
OW-2-5	95.3	34	29	OW-2-13S	75.0	36	18.5	OW-2-13D	97.0	Point	OFF
OW-2-6	95.7	36	30	OW-2-15S	75.0	40	18.5	OW-2-14	96.4	34	28
OW-2-7	96.0	38	29	OW-2-16S	75.5	42	19	OW-2-15D	94.6	32	29.5
OW-2-8	96.3	34	30	OW-2-18S	74.5	38	19	OW-2-16D	94.1	38	26
OW 2 9D	96.7	36	30	OW 2 20S	79.0	34	21	OW 2-17	95.0	36	28.5
Comments:				A	ll Point	ts set a	t 30 scf	ħ			
Notes.											

								E LOG SHEE stem Numbe			
	Injection B	ank 4			Injection B	ank 5			Injection E	Bank 6	
	Depth (ft)	scfn	psi		Depth (ft)	scfh	psi		Depth (ft		psi
OW-2-18D	95.5	30	29	OW-2-22S	76.0	38	14.5	OW-2-26D	95.0	38	32
OW-2-19	96.1	38	29	OW-2-24S	77.8	44	23	OW-2-27	93.5	36	28
OW-2-20D	96.6	38	6,5	OW-2-26S	74.0	38	19	OW-2-28D	92.1	36	27
OW-2-21	96.6	36	27.5	OW-2-28S	76.0	36	20	OW-2-29	92.2	40	27.
OW-2-22D	96.3	34	27	OW-2-30S	67.8	36	16	OW-2-30D	88.0	40	25.5
OW-2-23	97.2	POINT	OFF	OW-2-34	71.0	40	19	OW-2-31	86.0	38	25.5
OW-2-24D	97.0	POINT	OFF	OW-2-35	69.2	36	21	OW-2-32	84.0	44	24
OW-2-25	96.0	Port	064	OW-2-36	64.8	34	17.5	OW-2-33	82.0	36	25.5
	4		- n		lainatian F	and O					
	Inication C	Cont. 7	T)		Injection E	lank 9	1				
	Injection B Depth (ft	scfh	<u>psi</u>		Injection E Depth (ft	scfh	<u>psi</u>		T	T	
OW-2-37			psi 19	OW-2-45			psi Zo				
	Depth (ft	scfh		OW-2-45 OW-2-46	Depth (ft	scfh					
OW-2-37	Depth (ft	38	19		Depth (ft	34	20				
OW-2-37 OW-2-38	62.8 62.1	38 36	19	OW-2-46	61.1 61.0	34 44	20				
OW-2-37 OW-2-38	62.8 62.1 60.0	38 36 40	19 18.5 17.5	OW-2-46	61.1 61.0	34 44	20				
OW-2-37 OW-2-38 OW-2-39 OW-2-40	62.8 62.1 60.0 61.7	38 36 40 POINT	19 18.5 17.5 OFF	OW-2-46	Depth (ft 61.1 61.0 60.5	34 44	20				
OW-2-37 OW-2-38 OW-2-39 OW-2-40 OW-2-241	Depth (ft 62.8 62.1 60.0 61.7 61.7	38 36 40 POINT	19 18.5 17.5 OFF 19	OW-2-46 OW-2-47	61.1 61.0 60.5	34 44	20				
OW-2-37 OW-2-38 OW-2-39 OW-2-40 OW-2-241 OW-2-42	62.8 62.1 60.0 61.7 61.6	38 36 40 POINT 42 40	19 18.5 17.5 OFF 19	OW-2-46 OW-2-47	61.1 61.0 60.5	34 44	20				

				Date: 9/15/20
		GENERAL SYSTEM N	OTES	
<u>Trailer</u>	Performed general housekeep     Abnormal conditions observed	Yes V		c.) No
	Other major activities complet	ted CHEVICED	FIRE EXTINGUES	HER the let town
	4) Supplies needed Nonk		ar di	10 - 10 10
	5) Visitors			
	APPENDING AND THE THE PARTY OF	OPERATIONAL NO	TES	
GA5 Air	Compressor  1) Oil Level Checked with syster  * Unload system, wait until De  2) Oil Level with system unloade  Low (red)	elivery Air Pressure is les	/	No
AS 80 O	3) Oil added 4) Oil changed 5) Oil filter changed 6) Air filter Changed 7) Oil separator changed 8) Terminal strips checked 2 Generator	YesYesYesYesYesYes		No
M5-80 O	Prefilter changed     Coalescing changed	Yes Yes		No

Periodic Review Report
March 28, 2020 – March 28, 2021
Hempstead Intersection Street Former MGP Site
Town of Hempstead, Nassau County, New York
Site ID #1-30-086
April 2021

# **Appendix E**

**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



Sit	e No.	130086	Site Details		Box 1	
Sit	e Name	K - Intersection St.	- Hempstead MGP			
Cit <sub>y</sub>	y/Town: ounty: Na	ss: Intersection St. Hempstead ssau ge: 7.580	Zip Code: 11530-			
Re	porting F	Period: March 28, 202	20 to March 28, 2021			
					YES	NO
1.	Is the in	nformation above corr	rect?		X	
	If NO, ii	nclude handwritten al	pove or on a separate sheet.			
2.		•	roperty been sold, subdivided, this Reporting Period?	merged, or undergone a		X
3.	Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?					X
4.	Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?					X
			estions 2 thru 4, include doc en previously submitted wit			
5.	Is the s	ite currently undergoi	ng development?			<u>X</u>
					Box 2	
					YES	NO
6.			stent with the use(s) listed belo mercial, and Industrial	w?	X	
7.	Are all	ICs in place and func	tioning as designed?	X		
	IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.					
AC	Correctiv	e Measures Work Pla	an must be submitted along w	ith this form to address tl	nese iss	ues.
 Sia	ınature of	f Owner. Remedial Par	ty or Designated Representative	e Date		

SITE NO. 130086 Box 3

**Description of Institutional Controls** 

<u>Parcel</u> <u>Owner</u> <u>Institutional Control</u>

**34-174-1** KeySpan Gas East Corp

Ground Water Use Restriction

Soil Management Plan

Landuse Restriction Site Management Plan

Property use must be restricted residential, commercial, or industrial

Groundwater use is prohibited without treatment Groundwater must be monitored per the SMP

Data must be reported per the SMP

Implement HASP and Excavation Work Plan prior to ground intrusive activity except landscaping

34-174-208A KeySpan Gas East Corp

Landuse Restriction Site Management Plan

Soil Management Plan
Ground Water Use Restriction

Property use must be restricted residential, commercial, or industrial

Groundwater use is prohibited without treatment Groundwater must be monitored per the SMP

Data must be reported per the SMP

Implement HASP and Excavation Work Plan prior to ground intrusive activity except landscaping

34-174-208B KeySpan Gas East Corp.

Ground Water Use Restriction

Soil Management Plan

Landuse Restriction Site Management Plan

Property use must be restricted residential, commercial, or industrial

Groundwater use is prohibited without treatment Groundwater must be monitored per the SMP Data must be reported per the SMP

Implement HASP and Excavation Work Plan prior to ground intrusive activity except landscaping

34-174-209A KeySpan Gas East Corp

Landuse Restriction
Site Management Plan

Soil Management Plan

Ground Water Use Restriction

Property use must be restricted residential, commercial, or industrial

Groundwater use is prohibited without treatment Groundwater must be monitored per the SMP

Data must be reported per the SMP

Implement HASP and Excavation Work Plan prior to ground intrusive activity except landscaping

34-174-209B KeySpan Gas East Corp

**Ground Water Use Restriction** 

Soil Management Plan

Landuse Restriction Site Management Plan

Property use must be restricted residential, commercial, or industrial

Groundwater use is prohibited without treatment

Groundwater must be monitored per the SMP

Data must be reported per the SMP

Implement HASP and Excavation Work Plan prior to ground intrusive activity except landscaping

Box 4

# **Description of Engineering Controls**

<u>Parcel</u> <u>Engineering Control</u>

34-174-1

**Groundwater Treatment System** 

Cover System

Provision of two-foot thick soil cover

Active oxygen delivery system in area of impacted groundwater

34-174-208A

**Groundwater Treatment System** 

Cover System

Provision of two-foot thick soil cover

Active oxygen delivery system in area of impacted groundwater

34-174-208B

**Groundwater Treatment System** 

Cover System

Provision of two-foot thick soil cover

Active oxygen delivery system in area of impacted groundwater

34-174-209A

**Groundwater Treatment System** 

Cover System

Provision of two-foot thick soil cover

Active oxygen delivery system in area of impacted groundwater

34-174-209B

**Groundwater Treatment System** 

Cover System

Provision of two-foot thick soil cover

Active oxygen delivery system in area of impacted groundwater

Box	5
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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;
	<ul> <li>b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.</li> </ul>
	YES NO
	$\overline{\mathbf{x}}$
2.	For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:
	(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
	(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
	(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
	(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
	(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.
	YES NO
	$old {f X}$
	IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.
	A Corrective Measures Work Plan must be submitted along with this form to address these issues.
	Signature of Owner, Remedial Party or Designated Representative Date

#### IC CERTIFICATIONS SITE NO. 130086

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.

Christopher Morris		t _1000 New York Avenue, Hur	itington Station, NY 11746 ,	
	print name	print busine	ess address	
am certifying as _	Agent for National Grid	<u>i</u>	(Owner or Remedial Party)	
for the Site named in the Site Details Section of this form.				
$\mathcal{C}$	hi Mui		4/26/21	
Signature of Owner, Remedial Party, Rendering Certification		Designated Representative	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.

١	Jeff Parillo	at 455 Winding Brook Drive (Suite 201), Glastonbury, CT 00,633
	print name	print business address
aı	m certifying as a Professional Enginee	r for the Owner/Remedial Party
		(Owner or Remedial Party)
		OF NEW PARTY AND

Signature of Qualified Environmental Profession, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE) 4/26/21

Date