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2023 Periodic Review Report

Nyack Manufactured Gas Plant Site Village of Nyack, Rockland County, New York

NYSDEC Site Number: 344046 Index # D3-001-98-08

Prepared For:

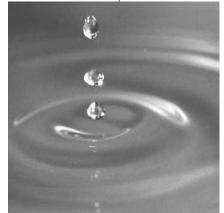
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December 2023 Project 2202333

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Scan DiBartob

Sean DiBartolo, P.E. Senior Engineer



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



Sit	e No.	Box 1								
Sit	e Name OF	R - Nyack MGP								
Cit Co	e Address: y/Town: Ny unty: Rockla e Acreage:	nd	Zip Code: 10960-							
Re	porting Perio	od: November 3	0, 2022 to Novembe	er 30, 2023						
						YES	NO			
1.	Is the infor	mation above co	rrect?			X				
	If NO, inclu	de handwritten a	above or on a separ	ate sheet.						
2.	Has some tax map an	or undergone a		X						
3.	Has there I (see 6NYC	eriod		X						
4.	Have any f	e) been issued		X						
				include documentation bmitted with this cer						
5.	Is the site of	currently undergo	oing development?	Current owner has plan redevelopment, but the			X			
				been on hold for severa the developer attempts approvals and permits.						
						Box 2				
						YES	NO			
6.			istent with the use(s nmercial, and Indus	•		X				
7.	Are all ICs	in place and fun	ctioning as designed	d?	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.									
Α (Corrective M	easures Work P	lan must be submit	ted along with this for	rm to address tl	nese iss	ues.			
		Many Le	mon		12/21/2023					
Sig	nature of Ow	ner, Remedial Pa	arty or Designated Ro	epresentative	Date					

SITE NO. 344046 Box 3

Description of Institutional Controls

<u>Parcel</u>

Owner

66.39-1-1

TZ Vista, LLC

Institutional Control

Ground Water Use Restriction

Soil Management Plan

Landuse Restriction Site Management Plan

Box 4

Description of Engineering Controls

<u>Parcel</u>

Engineering Control

66.39-1-1

Vapor Mitigation Cover System

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 directive reviewed by, the party making the Engineering Control certification;	ction of,	and
	 b) to the best of my knowledge and belief, the work and conclusions described i are in accordance with the requirements of the site remedial program, and gener engineering practices; and the information presented is accurate and compete. 		
	engineering produces, and the information presented to assurate and compete.	YES	NO
		X	
2.	For each Engineering control listed in Box 4, I certify by checking "YES" below that all following statements are true:	of the	
	(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 Dep	oartmen	t;
	(b) nothing has occurred that would impair the ability of such Control, to protect the environment;	public h	ealth and
	(c) access to the site will continue to be provided to the Department, to evaluate remedy, including access to evaluate the continued maintenance of this Control;		
	(d) nothing has occurred that would constitute a violation or failure to comply wit Site Management Plan for this Control; and	th the	
	(e) if a financial assurance mechanism is required by the oversight document fo mechanism remains valid and sufficient for its intended purpose established in the		
		YES	NO
		X	
	IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.		
	A Corrective Measures Work Plan/must be submitted along with this form to address the	hese iss	ues.
	12/21/2023		
,	Signature of Owner, Remedial Party or Designated Representative Date		

IC CERTIFICATIONS SITE NO. 344046

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.

	Consolidated Edison of New York, Inc.								
print name	print business address								
am certifying as Remedial Party	(Owner or Remedial Party)								
for the Site named in the Site Details Section of this form. 112/26/2023									
Signature of Owner, Remedial Party, or Des Rendering Certification	signated Representative Date								

EC CERTIFICATIONS

Box 7

Signature

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

I Wendy Moore	at	GEI Consultants	
print name		print business address	

am certifying as a for the Remedial Party

(Owner or Remedial Party)

Moon

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

Stamp (Required for PE) 1<u>2/26/202</u>3 Date

Engineer's Certification

I, <u>Wendy Moore, P.E.</u>, certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375, and that this Periodic Review Report (PRR) was prepared in accordance with the Site Management Plan (SMP) for the Nyack Former Manufactured Gas Plant (MGP) site, and all applicable statutes and regulations, and in substantial conformance with the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10).



December 26, 2023 Engineer's Seal Date GEI Consultants Engineering, Geology, Architecture & Landscape Architecture

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.

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WLM:tc

GEI Consultants iii

1. Introduction

This Periodic Review Report (PRR) for monitoring and inspection is required as an element of the post-remedial program at the Nyack Former Manufactured Gas Plant (MGP) site under the New York State Inactive Hazardous Waste Disposal Site Remedial Program administered by the New York State Department of Environmental Conservation (NYSDEC). The site was remediated in accordance with Order on Consent Index # D3-0001-98-08, Site #344046, which was executed on March 11, 1999.

1.1 General

Orange and Rockland Utilities, Inc. (O&R) entered into the above-referenced Order on Consent with the NYSDEC in 1999 to remediate the former Nyack MGP site located along Gedney Street in the Village of Nyack, Rockland County, New York. The Order on Consent required the Remedial Party (O&R) to investigate and remediate impacted media at the site.

The remediation of the site was performed over the course of several years and was completed in April 2015. The remediation activities are documented in the NYSDEC-approved Final Engineering Report (FER) prepared by GEI Consultants Engineering, Geology, Architecture & Landscape Architecture (GEI Consultants) on behalf of O&R (GEI, 2016a). A Site Management Plan (SMP) was also prepared by GEI in April 2016 (GEI, 2016b) and subsequently approved by NYSDEC, which describes the long-term monitoring and maintenance activities necessary to comply with environmental and institutional controls placed on the site as part of the approved remedy. Specifically, the SMP identifies the required post-remedial tasks, including:

- non-aqueous phase liquid (NAPL) gauging (and removal if present in measurable quantities),
- annual groundwater sampling, and
- annual inspection of post-remedial engineering controls.

In 2017, the ownership of the site changed to TZ Vista LLC (TZ Vista). TZ Vista is redeveloping the former MGP site together with the "Hudson Vista parcel" (located immediately to the south of the site). From discussions with the Site Owner, it is O&R's understanding that construction of the new residential and commercial facility has been awaiting local approvals for the past several years and will likely take place over a 2-year period following these approvals.

Phase 1 construction includes construction activities predominately on the Hudson Vista parcel; however, while some limited site work has taken place since TZ Vista took ownership, construction has not begun as of the October 13, 2023, site inspection.

Further, discussions with a representative of the Site Owner indicate that the construction start date is unknown at this time. Phase 2 construction is planned within the MGP site limits following completion of the Phase 1 activities.

It is O&R's understanding that the Site Owner (TZ Vista) is corresponding directly with the NYSDEC Division of Environmental Remediation (DER) regarding the elements identified in the SMP that are not the responsibility of the Remedial Party (O&R). Several of these elements are discussed in subsequent sections of this report.

1.2 Site Location and Description

The location of the site is shown on Figure 1. The current site plan is shown on Figure 2. As depicted on Figure 2, the site was divided into two operable units (OUs) by the NYSDEC for the purpose of implementing the remedy described in the Record of Decision (ROD) for each OU (NYSDEC, 2004 and 2011). The OUs include:

- <u>OU1</u> The portion of the site above the 100-year flood line, including Upper Terrace, the upland portion of the Lower Terrace, and a portion of the Hudson Vista Associates Parcel parking lot.
- <u>OU2</u> Portion of the Lower Terrace located below the 100-year flood line and above the mean high-water mark of the Hudson River, and also the Hudson River sediment that was impacted by MGP site-related residuals.

Eastern Parcel

The street address of the area of the former MGP operations is 55 Gedney Street, Nyack, Rockland County, New York (the "Eastern Parcel"). The Tax ID for the Eastern Parcel is 66.39-01-01.

The Eastern Parcel occupies an approximately 4-acre area in total, which includes about 2.17 acres of land, and 1.8 acres of submerged land in the Hudson River. The upland consists of an upper area along Gedney Street (the "Upper Terrace") separated by a steep slope from a lower area along the Hudson River (the "Lower Terrace"). The parcel is bounded by the Nyack Boat Club to the north, the Hudson Vista Parcel to the south, the Hudson River to the east, and Gedney Street to the west.

Impacted soil and former MGP subsurface foundations in the Upper Terrace were addressed during remediation through excavation to the top of bedrock and disposal off site (area outlined in gold on Figure 2). In situ chemical oxidation was used to treat impacts remaining within bedrock to the extent possible (area outlined in orange dashed line on Figure 2). However, MGP-related constituents of concern (COC) remain in groundwater within the bedrock unit present approximately 20 feet below the ground surface of the Upper Terrace

area. A soil cover system was installed during implementation of the remedy in the Upper Terrace (area with diagonal grey hatching on Figure 2).

Impacted soil in the Lower Terrace and the Shoreline Area along the Hudson River were addressed by in-situ solidification (ISS) (areas outlined in blue and purple on Figure 2). MGP-related COC remain in these areas. However, the ISS process has created a low permeability mass that has encapsulated the COC, which prevents further NAPL mobility and continued COC migration to groundwater or the river. A soil cover system was also installed during implementation of the remedy in the Lower Terrace (diagonal grey hatching on Figure 2). Riprap was installed to protect the shoreline from erosion for the Shoreline Area.

The upland portion of the Eastern Parcel is fenced to prevent trespassing. The Eastern Parcel, including the shoreline and offshore portions, is subject to control under this SMP, as shown on Figure 2. As discussed above, it is O&R's understanding that the Eastern Parcel will be redeveloped as a residential / commercial facility by the Site Owner.

Hudson Vista

Impacted soil in a portion of the lower parking lot area of the Hudson Vista Parcel, located immediately south of the Lower Terrace of the Eastern Parcel, was remediated through ISS of soils as a part of the OU1 remedial action (outlined in green on Figure 2). MGP-related COC remain in the subsurface of this area. However, the ISS process has encapsulated the COC within a low permeability mass. The ISS process prevents the treated area from serving as a source for future groundwater impact.

The cover system in the Hudson Vista remedial area consists of the parking lot pavement, which was restored following the remedial action (diagonal grey hatching on Figure 2). The Hudson Vista Parcel's lower parking lot area is considered an off-site area, but is subject to the requirements of the SMP because MGP-related COC remain within the solidified subsurface soils in the parking lot area.

Western Parcel

A single gas holder was formerly located on the parking lot parcel to the west of the Eastern Parcel (across Gedney Street). The Western Parcel has a Tax ID of 66.38-02-14, and a street address of 26 Lydecker Street, Nyack, Rockland County, New York. The absence of MGP-related impact at the Western Parcel was demonstrated during the Remedial Investigation (RI), and remedial activities were not required for this parcel. The Western Parcel is not subject to the SMP, and SMP activities have not been performed in the Western Parcel.

2. SMP Field Activities and Results

As specified in the SMP, field activities include:

- The assessment of the presence or absence of light phase non-aqueous phase liquid (LNAPL), and dense phase non-aqueous phase liquid (DNAPL) at identified well locations.
- Groundwater monitoring at identified well locations.

NAPL gauging and groundwater sampling were performed consistent with the SMP (GEI, 2016b) to the extent possible. Certain unavoidable deviations, resulting from Site Owner activities, are identified below.

2.1 Reconnaissance and Observed Well Conditions

Monitoring well details are summarized in Table 1 and the well locations are shown on Figure 3. A reconnaissance was performed at the site on October 13, 2023, to observe the location and condition of each of the monitoring wells identified in the SMP prior to implementing SMP activities. The conditions observed at each well, and the activities performed at each location in 2023 are summarized as follows:

- MW33D (overburden well) Well and surrounding conditions have not changed since 2018, when the Site Owner performed excavation work in the area immediately to the south of (within 10 feet of) MW33D, as part of the Hudson Vista Phase 1 Redevelopment (subsurface parking garage) construction. Due to presence of the adjacent open excavation, it is not safe to access the well and sampling was again not performed at this location in 2023.
- MW41 (bedrock well) As described in the 2017 and 2018 Annual Reports, this well was destroyed. Specifically, it appears that the uppermost 2 feet of fill was removed as the result of grading activities that the Site Owner performed in the area sometime prior to the 2017 inspection. Based on a survey performed in December 2017, the ground surface is approximately 2 feet lower than it was at the time of the well installation. As a result, NAPL gauging and groundwater sampling were not performed at this location.
- MW43 (overburden well) The well was located, gauged, and sampled in October 2023. NAPL was not observed in this on October 13, 2023. On October 26, 2023, the well was purged and a groundwater sample was collected after the well had stabilized for approximately two weeks.

- MW44 (bedrock well)— The well was located, gauged, and sampled in October 2023. No measurable NAPL thicknesses were identified at this location; however, DNAPL blebs were observed as discussed in Section 2.2. As a conservative measure, the well was bailed in an attempt to remove NAPL on October 13, 2023. On October 26, 2023, a groundwater sample was collected after the well had stabilized for approximately 2 weeks.
- MW45 (bedrock well) In December 2017, the well was found to be covered by a pile of soil estimated to be 7 to 10 feet in height, which remains in place at present. This well is considered destroyed and NAPL gauging and groundwater sampling was again not performed at this well location.
- MW46 (bedrock well) The well was located, gauged, and sampled in October 2023. Measurable NAPL was not observed in this well, but staining was observed as discussed in Section 2.2. As a conservative measure, the well was bailed to remove potential sheens that may be present on October 13, 2023. Additionally, the well was redeveloped on October 13, 2023, because it measured approximately 0.6 feet shallower than the constructed depth and had a soft bottom. Approximately 0.13 feet of silt was removed. On October 26, 2023, the well was purged and a groundwater sample was collected after the well had stabilized for approximately 2 weeks.
- MW47 (bedrock well) At some point following the 2020 groundwater monitoring event, a pile of debris (including rolls of used chain link fencing) was placed atop or plowed into the area where MW47 is located. O&R contacted the Site Owner to request removal of the material, and the Site Owner completed the work sometime after the 2022 monitoring event. Because dense vegetation remained around the well, GEI was unable to locate it during the initial site visit on October 13, 2023, and NAPL gauging was not performed on that date. However, the vegetation was cut and MW47 was subsequently located, gauged and sampled on October 26, 2023. NAPL was not observed in the well during the event.

The SMP states that, if redevelopment occurs, the Site Owner must either protect monitoring wells for continued use, or abandon and replace them with new wells that allow for continued groundwater monitoring at locations approved by the NYSDEC. As noted above, O&R has contacted the Site Owner and they have made upgradient MW47 accessible prior to the 2023 sampling event. However, as noted above, MW33D remains inaccessible due to its location immediately adjacent to the parking garage pit, and MW41 and MW45 were destroyed circa 2017 and have not been replaced.

O&R will continue to work with the Site Owner in an attempt to recover or replace monitoring wells that have been damaged or destroyed in recent years and are necessary for documenting site conditions as part of the SMP, as further discussed in Section 4.

2.2 NAPL Monitoring and Removal

Table 2 details the NAPL monitoring performed in 2023, as well as the prior post-remedial monitoring events. A summary is provided below.

- MW43 –NAPL has not been observed in this well during any monitoring event conducted to date. Consistent with prior monitoring, no evidence of NAPL was observed in 2023 when measured using an oil-water interface probe and weighted cotton string. Nonetheless, as a conservative measure, the well was bailed to remove potential sheens that may be present (no evidence of NAPL was observed during bailing).
- MW44 LNAPL and DNAPL have been periodically observed in this well. During the 2023 event, no measurable amounts of NAPL were present in this well using an interface probe; however, DNAPL blebs were present when measured using a cotton string (i.e., staining was observed on bottom six inches of the weighted string). Trace amounts of DNAPL (blebs) were observed in the water during subsequent bailing of the well.
- MW46 Little to no NAPL has been observed during post-remedial sampling events performed at this location. In 2023, no measurable NAPL was present, but a very light staining was observed when using a cotton string. Trace amounts of DNAPL (blebs) were observed in the water during subsequent bailing of the well and NAPL blebs were also present in the water and on the pump during redevelopment (Section 2.1).
- MW47 In 2023, NAPL was not observed. In the past, DNAPL blebs have occasionally been observed during post-remedial sampling events performed at this location.

As noted above, although no measurable NAPL was present in the wells during the 2023 gauging event, as a conservative measure, each well was bailed or purged after being gauged.

2.3 Groundwater Elevation Monitoring

The results of the elevation monitoring performed on October 13, 2023, are provided in Table 1 and Figure 3. A summary of the 2023 findings is provided below.

The elevation of groundwater was highest in bedrock well MW44 (9.62 feet NAVD88), which is located in the Upper Terrace, within the western portion of the site. The elevation of groundwater was found to be lowest in MW43 (3.20 feet NAVD88).¹

¹ The lowest elevation recorded was actually at MW46 (-3.11 feet NAVD88); however, it is likely that this reading was not recorded properly because it is several feet lower than typically observed at this well, including the observation made during sampling less than 2 weeks later, which was 4.14 feet NAVD88.

The difference in groundwater elevation across the site was 6.42 feet. The results indicate that, consistent with the results of the RI, groundwater flow is from the west to the east across the site, towards the Hudson River. The inferred direction of groundwater flow is shown on Figure 3.

2.4 Groundwater Sampling

Four wells (MW43, MW44, MW46, and MW47) were purged and sampled on October 26, 2023, consistent with the methods described in the SMP.

2.4.1 Groundwater Analyses and Results

Groundwater samples were analyzed by EuroFins (formerly Test America) for benzene, toluene, ethyl benzene and xylenes (BTEX) by EPA Method 8260D, and polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270E. The results of the analyses are presented in Table 3, and on chemical summary boxes included on Figure 4. Specifically, Table 3 presents the 2023 analytical dataset and Figure 4 summarizes post-remedial data for detected constituents from 2015 (i.e., pre-remediation baseline) through present to provide a comparison and show potential trends within each well. The laboratory chain-of-custody record and the Form 1 laboratory report sheets for the 2023 analyses are included in Appendix A. A summary of observed trends is provided below.

- MW43 While total BTEX and PAH concentrations are somewhat elevated in 2023 compared to prior post-remedial monitoring events, individual constituent concentrations remain below the New York State Ambient Water Quality Standards (NYS AWQS) criteria at this downgradient well with the exception of benzene, which has been above its NYS AWQS throughout post-remedial monitoring.
- MW44 COC concentrations continue to be variable in this source area bedrock well. The BTEX concentrations observed in 2023 are generally consistent with concentrations reported in 2021 and 2022 and significantly less than those observed during baseline sampling in 2015. With respect to PAHs, results from 2023 are less than all prior post-remediation data and significantly below those observed during the initial sampling event at this location in 2015.
- MW46 Variability continues to exist among the data collected at this source area side gradient location to date. The 2023 COC concentrations are somewhat elevated relative to, but generally within the range of, concentrations that have been observed during prior post-remedial sampling events.
- MW47 While COCs in this upgradient bedrock well decreased significantly from 2018 to 2019, they have leveled off thereafter, such that the 2020 and 2023 concentrations are similar to those observed in 2019. It appears that groundwater conditions may have stabilized at this background location.

Variability in data from year to year is to be expected as groundwater continues to equilibrate following completion of the remedy in 2015. The annual monitoring required at these well locations will continue to evaluate trends in COC and NAPL conditions in groundwater at the site.

2.5 Soil Vapor Intrusion

Post-remedial soil vapor intrusion (SVI) monitoring has not been performed at the site. It is O&R's understanding that the site will eventually be redeveloped by the Site Owner, and the Site Owner will provide the NYSDEC with a Soil Vapor Intrusion Monitoring Plan and will collect any samples required in the SMP and SVI MP. It is O&R's understanding that the building to be constructed at the site by the Site Owner includes controls to address the potential for vapor intrusion of MGP-related COC to indoor air.

3. Environmental Controls / Institutional Controls and Site Inspection

3.1 General

Because COCs in soil, bedrock, groundwater, and sediment remain in the subsurface of the site, Engineering Controls, and Institutional Controls (EC/ICs) have been implemented to protect human health and the environment, as further discussed below.

3.2 Engineering Controls

The ECs identified in the SMP and the results of the inspection performed by GEI in 2023 are discussed below. The 2023 SMP Annual Inspection Form is included in Appendix B.

3.2.1 Cover System Monitoring

An annual site inspection was performed on October 13, 2023, to observe the condition of the cover systems at:

- Upper Terrace
- ISS area in the Lower Terrace
- ISS area on the Hudson Vista Associates Parcel

The locations of each of these remedial areas are shown on Figure 2. Photographs taken during the site inspection are included in the Photographic Record in Appendix B.

As indicated in the site inspection form (Appendix B), the cover system in each of the identified remedial areas remains in place, does not appear to have been disturbed during the current monitoring period, and continues to be effective at preventing direct exposure to COC present in the subsurface.

3.2.2 Storm Sewer and Water Service

Two site utilities were identified in the SMP:

- Underground Village of Nyack storm sewer line is present near the southern property line of the Eastern Parcel, terminating at an outfall on the Hudson Vista Associates Parcel; and
- Village of Nyack water line present at the fire hydrant located at the western side of the Eastern Parcel.

These features were observed to be present, and not disturbed at the time of the October 13, 2023, site inspection. While some minor erosion continues to exist at the storm sewer outlet, it is localized and has not changed significantly from what was observed during prior events. A photograph of the storm sewer outlet is included in the Photographic Record in Appendix B.

3.2.3 Shoreline Area

Along the Lower Terrace shoreline, the ISS materials are protected from contact by site users and erosion by the installation of riprap above filter fabric during the remedial action, and by the placement of additional riprap at the shoreline by the Site Owner. Riprap areas were observed by GEI to be in good condition. Sediment has partially covered small portions of the riprap area, but evidence of movement or undermining was not observed anywhere in the riprap areas. Photographs of the shoreline are included in the Photographic Record in Appendix B.

It is O&R's understanding that the Site Owner plans to install additional shore protection features during redevelopment, and that the Site Owner has or will propose the methods and materials to be utilized directly to the NYSDEC DER.

3.2.4 Off-shore Area

The area offshore (east) from the Lower Terrace protected shoreline is a mix of sandy and silty native sediments. The sediment was dredged to elevation -6 to -10 feet in accordance with the ROD for OU2 (NYSDEC, 2011) (area outlined in pink on Figure 2). As specified in the SMP, to prevent these materials from being exposed at the sediment-water interface, the sediment surface should not be dredged, excavated, or deeply disturbed.

Evidence of dredging, the excavation of sediment, or other activities that may result in the disruption of the sediment remedial area was not observed during the site inspection performed by GEI on October 13, 2023.

3.3 Institutional Controls

The Eastern Parcel has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Eastern Parcel, as defined in the SMP, are:

- The property may only be used for restricted residential use, commercial use and/or industrial use provided that the long-term EC/ICs in the SMP are employed.
- The property may not be used for a higher level of use, such as unrestricted residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC.

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- Future activities on the property that will disturb remaining MGP-impacted material must be conducted in accordance with the SMP.
- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use.
- The potential for vapor intrusion must be evaluated for any buildings developed in the area of the site, and potential impacts that are identified must be monitored or mitigated.
- Vegetable gardens and farming on the property are prohibited.

Based on the inspection of the site performed by GEI and correspondence with O&R, the Site Owner and the NYSDEC, the ICs identified in the SMP adhere to the requirements of the Environmental Easement, remain in place, and are effective for OU1 and OU2 of the site. The site remedy continues to be protective of public health and the environment as described in the FER.

4. Conclusions

4.1 2023 SMP Annual Report Conclusions

Conclusions for this Annual Report are:

- **Site Ownership**: The ownership of the site continues to be TZ Vista. Significant changes in site conditions relative to the prior inspection were not observed. Construction for parcel redevelopment continues to be delayed at the time of the annual inspection.
- Media Monitoring: Media monitoring tasks identified in the SMP were performed at four wells in 2023, including: NAPL gauging and removal, and groundwater sampling.
 - Over the past several years, activities undertaken by the Site Owner have resulted in damaging or destroying three of the wells originally included in the SMP monitoring program. Based on SMP requirements, O&R anticipated that the Site Owner would recover/repair or replace these wells following completion of their construction activities consistent with SMP requirements. However, since the Site Owner's construction has been significantly delayed and the timeline for construction approval is still unknown, O&R contacted the Site Owner to request that the monitoring locations be placed back into service to the extent that is technically feasible, as discussed in the prior PRR (GEI 2022).
 - O Background well MW47 has since been uncovered and is again available for monitoring, but the remainder of this work has not been completed to date. O&R will continue to work with the Site Owner to repair/replace these monitoring wells, with certain proposed SMP modifications as discussed in Section 4.2. When performed, the monitoring well repair/replacement work will be conducted consistent with the SMP and summarized in the subsequent SMP annual report.
- Engineering Controls: The inspection of the site was performed in 2023, as specified in the SMP.
 - The inspection documented the effectiveness of the engineering controls.
 - The engineering controls employed at the Nyack MGP site are unchanged from the date the control was put in place, or last approved by the NYSDEC. As reported in prior SMP annual reports, some site work has occurred: the site has

been graded in some areas² and additional materials have been added by the Site Owner in other areas.³ However, no additional grading or materials appear to have been added since before the November 2018 inspection.

- Institutional Controls: Based on the site inspection performed by GEI and on correspondence with O&R, the Site Owner and the NYSDEC, conclusions related to the ICs include:
 - The institutional controls employed at the Nyack MGP site appear unchanged from the date the control was put in place, or last approved by the NYSDEC.
 - We observed nothing that would impair the ability of the control to protect the public health and environment.
 - We observed nothing that would constitute a violation or failure to comply with the site management plan for this control.
 - Access to the site will continue to be provided to the NYSDEC to evaluate the remedy, including access to evaluate the continued maintenance of this control.
 - Use of the site was observed to be compliant with the environmental easement.

4.2 Proposed SMP Modifications

The SMP states that, if site redevelopment occurs, the Site Owner must either protect monitoring wells for continued use, or abandon and replace them with new wells that allow for continued groundwater monitoring at locations approved by the NYSDEC. As noted above, several wells have become inaccessible or have been destroyed as the result of initial redevelopment site work performed by the Site Owner. O&R had expected the wells to be repaired and/or replaced upon completion of the redevelopment project.

However, the redevelopment work has been significantly delayed, reportedly due to delays in the local permitting and approval process, and the Site Owner has not shared a revised schedule with O&R. O&R has contacted the Site Owner on several occasions about the condition of these wells, and the Site Owner did make upgradient MW47 accessible prior to the 2023 sampling event as a result. However, as noted above, MW33D remains inaccessible due to its location immediately adjacent to a large deep excavation (ultimately intended to be an underground parking garage; Figure 2). Additionally, MW41 and MW45 were destroyed circa 2017 during site grading and have not been replaced.

² Specifically, it appears that the Site Owner conducted grading in the Upper Terrace in the vicinity of MW41, resulting in a ground surface approximately 2 feet lower now than it was at the time of the well installation in 2008. Approximately 10 feet of imported general fill had been placed in that area during remediation in 2006; as such, approximately 8 feet of fill remains.

³ For example, a pile of soil estimated to be 7 to 10 feet high was placed atop and in the vicinity of MW45, which remains in place at present.

O&R will work with the Site Owner to reinstall MW45 as close to its original location but outside the soil pile, such that a well capable of monitoring potential on-site groundwater mounding at upgradient side of the ISS mass is again available.

MW33D, which is intended to monitor groundwater flow around ISS mass to the south, is still present and could be used if conditions are made safe for technicians to access the well. No suitable, safe alternate location exists for a replacement well that meets the intended purpose of MW33D. It is likely that O&R will be required to wait until the area is made safe (i.e., after the parking garage is constructed and/or the pit is backfilled) in order to access this well again (or to install a replacement well in the same area).

Finally, O&R proposes to eliminate the MW41 location from the SMP monitoring program. This well was destroyed prior to 2017, before any post-remediation sampling could be performed there. MW41 was a bedrock well located interior to the remediation area on the upper terrace, screened from 19.5 to 34.5 feet below grade. This well is similar to MW44 in construction and location. Specifically, MW44 is also a bedrock well interior to the remediation area on the upper terrace, screened at a similar depth (17 to 32 feet below grade), and is located just 50 feet north of MW41. Both wells serve the same purpose in the SMP: to monitor on-site groundwater and residual NAPL conditions in bedrock. MW44 has been accessible and sampled consistently throughout the post-remediation SMP. As such, O&R contends that MW41 is redundant and therefore can be eliminated from the program, with NYSDEC approval.

4.3 2024 SMP Implementation

The field activities and annual inspection for the implementation of the SMP that are the responsibility of O&R as the Remedial Party will be next implemented in 2024 with prior notice to the NYSDEC DER.

5. References

GEI, 2016a. Final Engineering Report, Nyack Manufactured Gas Plant Site, Rockland County, New York, NYSDEC Site Number 344046, May 2016.

GEI, 2016b. Site Management Plan, Nyack Former Manufactured Gas Plant Site, Rockland County, New York, NYSDEC Site Number 344046, April 2016.

GEI, 2022. 2022 Periodic Review Report, Nyack Former Manufactured Gas Plant Site, Rockland County, New York, NYSDEC Site Number 344046, December 2022.

NYSDEC, 2004. Record of Decision, Nyack Gas Plant Site Operable Unit No. 1 Former Plant Site, Nyack, Rockland County, New York, Site Number 344046, March 2004.

NYSDEC, 2011. Record of Decision, OR – Nyack, MGP, Operable Unit Number: 02. Nyack, Rockland County, Site No. 344046, March 2011.

Tables

Table 1 Groundwater Monitoring and Sample Summary Nyack MGP Site 2023 SMP Annual Report

				Well Cons	truction Su	mmary				2023 Wa	ater Level Gau	ging Summary	2023 Sampling SOW	
Designation	Installation Date	Ground Surface Elevation (ft NAVD88)	Top of PVC Riser Elevation (ft NAVD88)	Screened Interval (ft NAVD88)	Northing (NAD83)	Easting (NAD83)	Well Location	Purpose	Depth to Water 10/13/2023 (ft BTOC)	Water Elevation 10/13/2023 (ft NAVD88)	NAPL Presence (Table 2)	Well Condition Comments	втех	PAHs
MW33D	8/31/2004	25.33	25.16	15.16 to -0.16	822865.99	653222.97	Southern site boundary, cross-gradient location	Monitor groundwater flow around ISS mass to the south	NM	NM	NM	Not accessible due to unsafe condition; immediately adjacent to open deep excavation	-	
MW41	5/19/2008	34.07	33.79	14.29 to -0.71	823022.67	653236.45	Within Upper Terrace	Monitor on-site groundwater and residual NAPL conditions in bedrock	NM	NM	NM	Not accessible; destroyed or buried following grading	-	
MW43	5/22/2008	8.60	9.04	-14.22 to -19.22	823061.51	653448.31	Downgradient	Monitor groundwater in overburden between bedrock and the hanging ISS mass	5.84	3.20	None	Well in fair condition, hard bottom; needs outer stickup cover	Х	Х
MW44	5/20/2008	33.84	33.55	1.55 to 16.55	823072.61	653244.4	Within Upper Terrace	Monitor on-site groundwater and residual NAPL conditions in bedrock	23.93	9.62	Blebs, staining in sump portion of well	Well in fair condition (surface completion has broken bolt connectors); hard bottom	Х	х
MW45	5/23/2008	14.15	13.84	1.34 to -13.66	822983.34	653307.75	Within Lower Terrace; downgradient location	Monitor potential on-site groundwater mounding at upgradient side of ISS mass	NM	NM	NM	Not accessible; destroyed or buried by soil pile		
MW46 (Note 1)	12/5/2017	27.00	26.73	8.0 to 16.0	823178.96	653260.92	Northern site boundary, cross-gradient location	Monitor groundwater flow around ISS mass to the north	29.84	-3.11	Staining & some blebs during purge	Well in good condition, soft bottom (0.6 ft silt); Redeveloped in 2023: 0.13 feet silt removed; well has 2-foot sump	Х	Х
MW47	12/6/2017	34.20	33.87	19.7 to -2.3	823089.60	653160.11	Western site boundary (at Gedney Street)	Monitor upgradient groundwater conditions	NM	NM	None	Inaccessible for initial gauging due to dense vegetation; uncovered for subsequent sampling Well in good condition	Х	Х

Notes:

ft BTOC = feet below top of casing (measuring point)

ft NAVD88 = feet above the North American Vertical Datum of 1988 (negative values are below this datum)

NM = Not measured; well is inaccessible as the result of activities by others

-- = Not applicable; well is inaccessible as the result of activities by others

Horizontal Coordinates are New York State Plane, East Zone, NAD83 North American Datum 1983 (NAD83)

Vertical Coordinates are North American Vertical Datum of 1988 (NAVD88)

^{1.} The groundwater elevation reading for MW46 (29.84 ft BTOC, resulting in an elevation of -3.11 ft AMSL) is likely a field documentation error, as this results in an elevation that is well below what is typically measured at this location, including the measurement from October 26, 2023 (22.59 ft BTOC; resulting in an elevation of 4.14 feet AMSL), which is in line with historical measurements at this location.

Table 2
SMP Post-Remedial NAPL Gauging and Removal Summary
Nyack MGP Site 2023 SMP Annual Report

Well ID:	MW41 (Note 1)												
Date:	2/27/2015 3/13/2015		3/20/	3/20/2015		3/27/2015		4/10/2015		5/22/2015		2015	
	Before Purging	Before Purg	After jing	Before Pur	After ging	Before Pur	After ging	Before Purç	After ging	Before Purç	After ging	Before Purç	After ging
Depth to LNAPL	21.27	NP	NP	NP	NP	NP	NP	20.46	NP	20.70	NP	20.94	NP
Depth to Water	21.29	20.80	20.92	20.31	20.39	20.36	20.54	20.46	20.63	20.71	21.25	20.95	22.42
Depth to DNAPL	*	33.66	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Depth to Bottom of Well	34.25	34.25	34.25	34.25	34.25	34.25	34.25	34.25	34.25	34.24	34.24	34.25	34.25
LNAPL thickness	0.02	NP	NP	NP	NP	NP	NP	<0.01	NP	~0.01	NP	~0.01	NP
DNAPL thickness	*	0.59	NP	**	NP	**	NP	Blebs	NP	Blebs	NP	Blebs	NP

Well ID:	MW43
	NAPL has not been observed in this well to date

Well ID:		MW44											
Date:	2/27/2015 3/13/2015		2015	3/20/2015		3/27/2015		4/10/2015		5/22/2015		7/17/2015	
	Before Purging	Before Purg	After	Before Purg	After	Before	After ging	Before Purg	After	Before Purg	After	Before Purg	After
Double to I NADI						· ·							
Depth to LNAPL	26.12	25.13	25.41	24.43	NP	24.53	NP	24.59	NP	25.25	NP	25.52	NP
Depth to Water	27.35	25.23	25.42	24.57	25.21	24.65	25.38	24.69	25.03	25.35	26.05	25.62	28.06
Depth to DNAPL	*	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Depth to Bottom of Well	32.33	32.33	32.33	32.33	32.33	32.33	32.33	32.33	32.33	32.30	32.30	32.30	32.30
LNAPL thickness	1.23	0.10	0.01	0.14	NP	0.12	NP	0.10	NP	~0.10	NP	~0.10	NP
DNAPL thickness	*	Blebs	Blebs	Blebs	NP	Blebs	NP	Blebs	NP	NP	NP	NP	NP

Well ID:	MW44 (continued)											
Date:	9/20/2017		11/12	11/12/2018		6/14/2019		10/6/2020		10/18/2021		/2022
	Before Purg	After ing	Before Purç	After ging	Before Purç	After ging	Before Pur	After ging	Before Purç	After ging	Before Purç	After ging
Depth to LNAPL	24.44	NP	24.42	24.42	23.96	NP	23.84	NP	25.15	NP	NP	NP
Depth to Water	25.94	25.94	24.43	24.43	24.05	24.00	28.71	27.51	25.19	31.00	26.25	26.60
Depth to DNAPL	NP	NP	NP	NP	NP	NP	NP	NP	32.33	NP	NP	NP
Depth to Bottom of Well	32.30	32.30	32.30	32.30	32.25	32.25	33.24	33.24	32.57	32.57	32.60	32.60
LNAPL thickness	1.50	NP	0.01	NP	0.09	NP	4.87	NP	0.04	NP	NP	NP
DNAPL thickness	NP	NP	Blebs	Blebs	Blebs	Blebs	NP	NP	0.24	NP	Blebs	NP

Table 2
SMP Post-Remedial NAPL Gauging and Removal Summary
Nyack MGP Site 2023 SMP Annual Report

Well ID:	MW44 (cont'd)				
Date:	10/13/	2023			
	Before	After			
	Purging				
Depth to LNAPL	NP	NP			
Depth to Water	5.84	5.84			
Depth to DNAPL	Blebs	NP			
Depth to Bottom of Well	32.51	32.51			
LNAPL thickness	0.00	0.00			
DNAPL thickness	0.00	0.00			

Well ID:	MW45 (Note 1)
	NAPL has not been observed in this well

Well ID:	MW46 (Note 2)									
Date:	11/12/2018		10/6/2020		10/18/2021		10/18/2022		10/13/2023	
	Before Purg	After ing	Before Purç	After ging	Before Purç	After ging	Before Purç	After ging	Before Pur	
Depth to LNAPL	NP	NA	22.75	NP	NP	NA	NP	NP	NP	NP
Depth to Water	21.15	NA	22.84	22.85	21.54	NA	22.30	22.48	29.84	28.09
Depth to DNAPL	NP	NA	NP	NP	NP	NA	NP	NP	Blebs	NP
Depth to Bottom of Well	39.45	NA	39.73	39.73	32.57	NA	36.60	36.60	39.41	39.54
LNAPL thickness	NP	NA	0.09	NP	NP	NA	NP	NP	0.00	0.00
DNAPL thickness	NP	NA	NP	NP	Blebs	NA	NP	NP	0.00	0.00

Well ID:	MW47 (Note 1)								
Date:	11/12/2018		6/14/2019		10/6/2020		10/26/2023		
	Before Purg	After ing	Before Pur	After ging	Before Purç	After ging	Before Purç	After jing	
Depth to LNAPL	NP	NA	NP	NA	NP	NA	NP	NA	
Depth to Water	17.1	NA	16.95	NA	22.34	NA	17.04	NA	
Depth to DNAPL	NP	NA	NP	NA	NP	NA	NP	NA	
Depth to Bottom of Well	38.0	NA	37.98	NA	38.71	NA	NR	NA	
LNAPL thickness	NP	NA	NP	NA	NP	NA	NP	NA	
DNAPL thickness	Blebs	NA	Blebs	NA	Blebs	NA	NP	NA	

Well ID:	MW33D (Note 1)
	NAPL has not been observed in this well

Table 2

SMP Post-Remedial NAPL Gauging and Removal Summary Nyack MGP Site 2023 SMP Annual Report

Notes:

- Wells MW41 and MW45 could not be monitored 2017 through present because they were destroyed during construction activities by owner. MW47 could not be located in 2021 and 2022 because area covered by dense vegetation and debris; uncovered prior to 2023 event. MW33D is inaccessible due to construction activities by owner. (See report for details.)
- 2. Due to presence of silt in bottom of well, MW46 was redeveloped in 2023; approximately 0.13 feet of silt was removed from the bottom of the well.
- 3. Data for those wells in which NAPL has been observed at least once are included in this table.
- 4. Depth and thickness measurements are in feet.
- 5. Includes data collected post-remediation, 2015 through present.
- 6. * indicates that accurate DNAPL measurement could not be determined in the field due to freezing conditions.
- 7. ** indicates that DNAPL was not detected with oil/water interface probe, but small quantity (~50 to 100 mL) observed during subsequent purging.

NA = Not applicable (not purged because measurable NAPL not present)

NAPL = Non-aqueous phase liquid (prefix L = light; D = dense)

NP = Not present

NR = Measurement not recorded

Table 3. Nyack MGP SMP Groundwater Analytical Data Summary Nyack MGP Site 2023 SMP Annual Report

	Monitoring Well ID			MW43	MW44	MW46	MW47
	Sample Date			10/26/2023	10/26/2023	10/26/2023	10/26/2023
Analyte	Units	CAS No.	NYS AWQS				
BTEX	ug/L						
Benzene		71-43-2	1	13	2200	6700	200
Toluene		108-88-3	5	0.89 J	19	5.3 J	43
Ethylbenzene		100-41-4	5	2.9	1300	560	160
Total Xylene		1330-20-7	5	1.4 J	800	350	160
Total BTEX		N/A	NE	18 J	4319	7615 J	563
Polycyclic Aromatic Hydrocarbons (PAHs)	ug/L						
Acenaphthene		83-32-9	20*	0.96 J	140	200	100
Acenaphthylene		208-96-8	NE	1.5 U	12	26	32
Anthracene		120-12-7	50*	1.5 U	49	94	55
Benzo(a)anthracene		56-55-3	0.002*	1.5 U	31	60	30
Benzo(b)fluoranthene		205-99-2	0.002*	1.5 U	17	23	18
Benzo(k)fluoranthene		207-08-9	0.002*	1.5 U	6.7	20	6.6
Benzo(g,h,i)perylene		191-24-2	NE	1.5 U	11	22	14
Benzo(a)pyrene		50-32-8	ND	1.5 U	27	51	29
Chrysene		218-01-9	0.002*	1.5 U	31	50	29
Dibenz(a,h)anthracene		53-70-3	NE	1.5 U	2.6	4.9 J	4.0
Fluoranthene		206-44-0	50*	1.5 U	60	97	65
Fluorene		86-73-7	50*	1.5 U	66	100	66
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	1.5 U	7.2	15	8.4
2-Methylnaphthalene		91-57-6	NE	0.93 J	280	520	180
Naphthalene		91-20-3	10*	6.0	950	2500	1200
Phenanthrene		85-01-8	50*	0.59 J	200	340	250
Pyrene		129-00-0	50*	1.5 U	89	180	100
Total PAHs		N/A	NE	8.5 J	1980	4303 J	2187

Table 3. Nyack MGP SMP Groundwater Analytical Data Summary Nyack MGP Site 2023 SMP Annual Report

	Monitoring Well ID			MW43	MW44	MW46	MW47
	Sample Date			10/26/2023	10/26/2023	10/26/2023	10/26/2023
Analyte	Units	CAS No.	NYS AWQS				
BTEX	ug/L						
Benzene		71-43-2	1	13	2200	6700	200
Toluene		108-88-3	5	0.89 J	19	5.3 J	43
Ethylbenzene		100-41-4	5	2.9	1300	560	160
Total Xylene		1330-20-7	5	1.4 J	800	350	160
Total BTEX		N/A	NE	18 J	4319	7615 J	563
Polycyclic Aromatic Hydrocarbons (PAHs)	ug/L						
Acenaphthene		83-32-9	20*	0.96 J	140	200	100
Acenaphthylene		208-96-8	NE	1.5 U	12	26	32
Anthracene		120-12-7	50*	1.5 U	49	94	55
Benzo(a)anthracene		56-55-3	0.002*	1.5 U	31	60	30
Benzo(b)fluoranthene		205-99-2	0.002*	1.5 U	17	23	18
Benzo(k)fluoranthene		207-08-9	0.002*	1.5 U	6.7	20	6.6
Benzo(g,h,i)perylene		191-24-2	NE	1.5 U	11	22	14
Benzo(a)pyrene		50-32-8	ND	1.5 U	27	51	29
Chrysene		218-01-9	0.002*	1.5 U	31	50	29
Dibenz(a,h)anthracene		53-70-3	NE	1.5 U	2.6	4.9 J	4.0
Fluoranthene		206-44-0	50*	1.5 U	60	97	65
Fluorene		86-73-7	50*	1.5 U	66	100	66
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	1.5 U	7.2	15	8.4
2-Methylnaphthalene		91-57-6	NE	0.93 J	280	520	180
Naphthalene		91-20-3	10*	6.0	950	2500	1200
Phenanthrene		85-01-8	50*	0.59 J	200	340	250
Pyrene		129-00-0	50*	1.5 U	89	180	100
Total PAHs		N/A	NE	8.5 J	1980	4303 J	2187

Table i Acronym and NYSDEC Reference Key for Analytical Summary Tables

Groundwater Notes:

NYSDEC References:

GW STD = New York Groundwater Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) [NYSDEC, 1998], with Addendums

* = criterion listed is a Guidance Value (if not denoted with a "*", the criteria is a Standard Value)

0.0 Bold value - analyte estimated or detected at a concentration greater than the method detection limit (i.e., a detected result)

0.0 Gray Shaded value - analyte estimated or detected at concentration greater than the NYSDEC Groundwater Standard or Guidance Value

Units for groundwater samples:

 $\mu g/L = micrograms/Liter = parts per billion$

mg/L = milligrams/Liter = parts per million

Laboratory or Validation Qualifiers:

- B = For organic analyses compound was found in the associated blank sample. For metals analysis the result is an estimated quantity. For inorganic analyses analyte detected in the associated method blank.
- E = Analyte concentration exceeded the calibration range of the instrument.
- F1 = Matrix spike (MS) and/or matrix spike duplicate (MSD) Recovery is outside acceptance limits.
- F2 = MS/MSD relative percent difference (RPD) exceeds control limits.
- H = Sample was analyzed outside of holding time limit.
- J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J- = The result is an estimated quantity, likely to be biased low. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ = The result is an estimated quantity, likely to be biased high. The associated numerical value is the approximate concentration of the analyte in the sample.
- N = Tentative identification. Special methods may be needed to confirm its presence or absence in future sampling events.
- R = The data are unusable. The sample results are rejected due to serious deficiencies in the ability to meet quality control criteria.
- U =The analyte was analyzed for, but was not detected above the concentration reported.
- UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximated.
- BW = Analyte detected in the associated method blank and post-digestion spike recovery furnace analysis was outside of 85-115 percent control limit, while sample absorbance was less than 50 percent of spike absorbance.
- BWN = Analyte detected in the associated method blank and post-digestion spike recovery furnace analysis was outside of 85-115 percent control limit, while sample absorbance was less than 50 percent of spike absorbance. Analyte is presumptively present.
- UW = Not detected at or above the reporting limit shown and post-digestion spike recovery furnace analysis was outside of 85-115 percent control limit, while sample absorbance was less than 50 percent of spike absorbance.
- JB = Estimated value and the analyte was detected in the associated method blank.
- *+/- = Laboratory control spike (LCS) and/or laboratory control spike duplicate (LCSD) is outside acceptance limits (+ is bias high, is bias low).

Other Notes:

CAS No. = Chemical Abstracts Service Number

MGP = Manufactured Gas Plant

NA = Not analyzed for, or not applicable

ND = Not detected: any detectable level constitutes an exceedance

NE = Not established

NL = Not listed

NS = Not Sampled

PAHs - polycyclic aromatic hydrocarbons

SVOCs - semi-volatile organic compounds

TAL - Target Analyte List

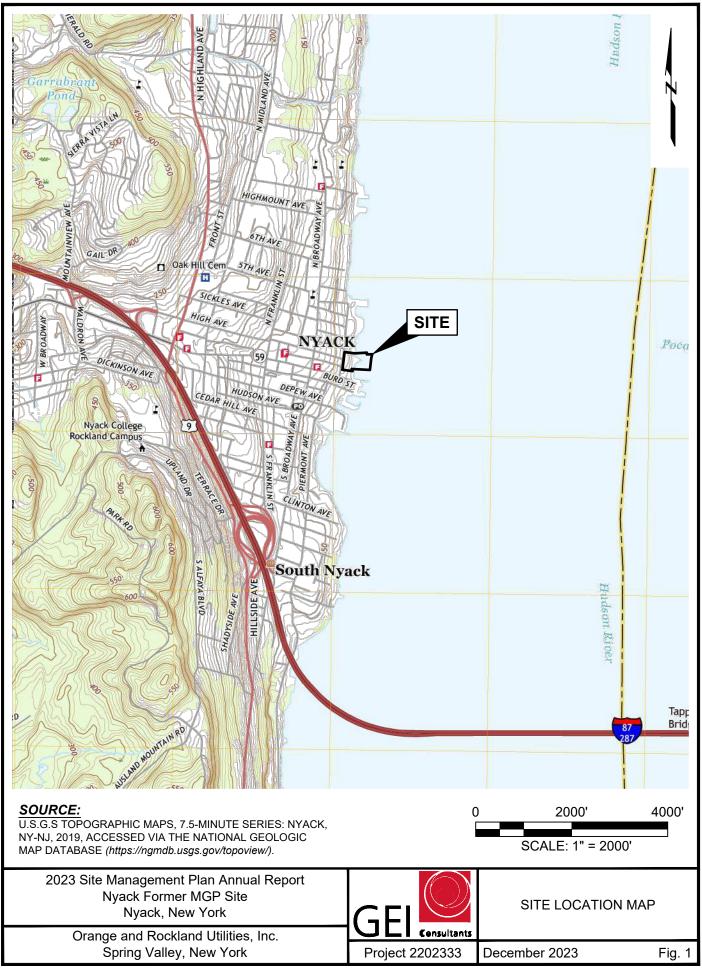
TCL - Target Compound List

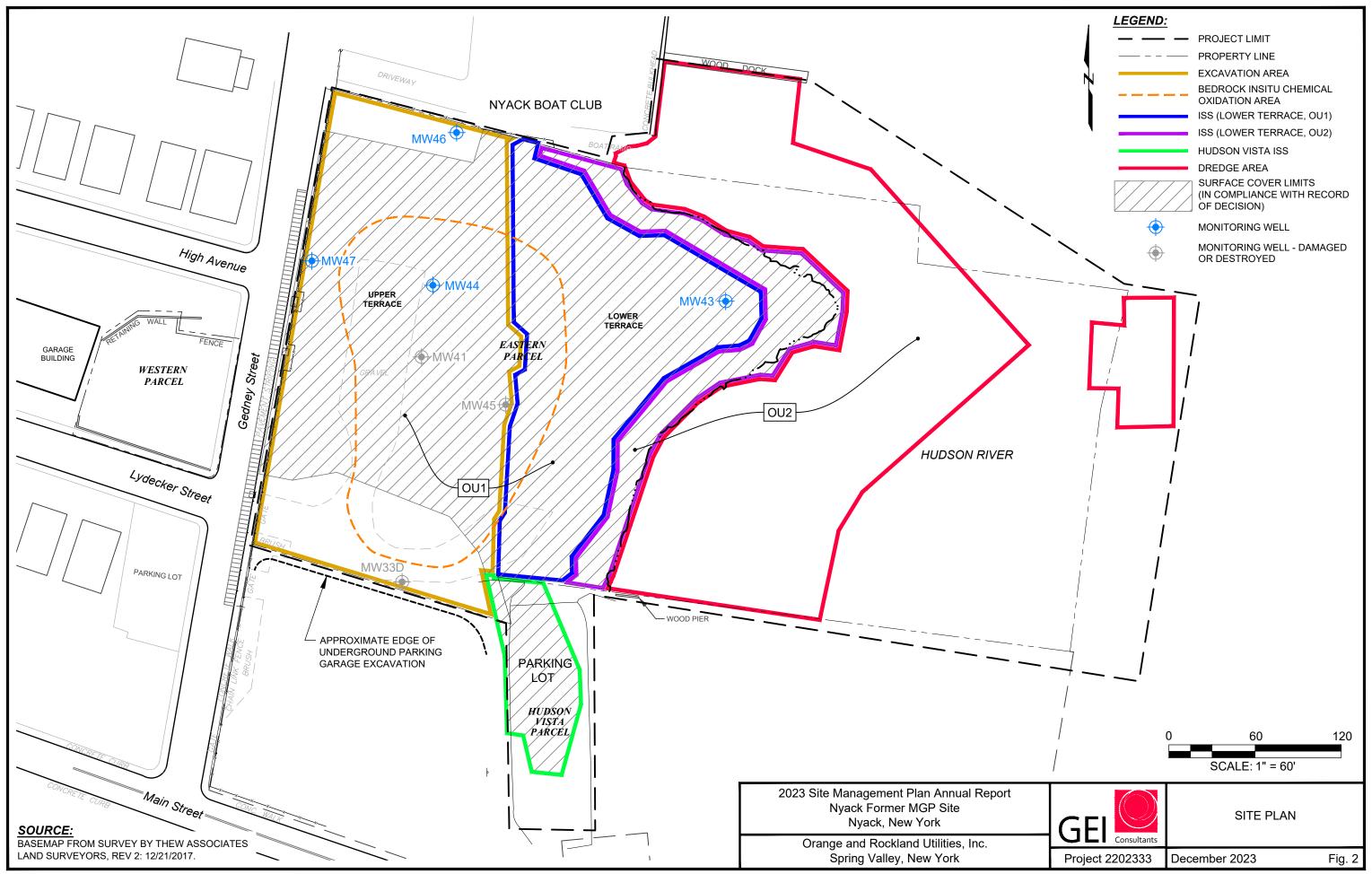
The BTEX and Total PAH summations are calculated using laboratory-measured and estimated (J) values only (i.e., detected results)

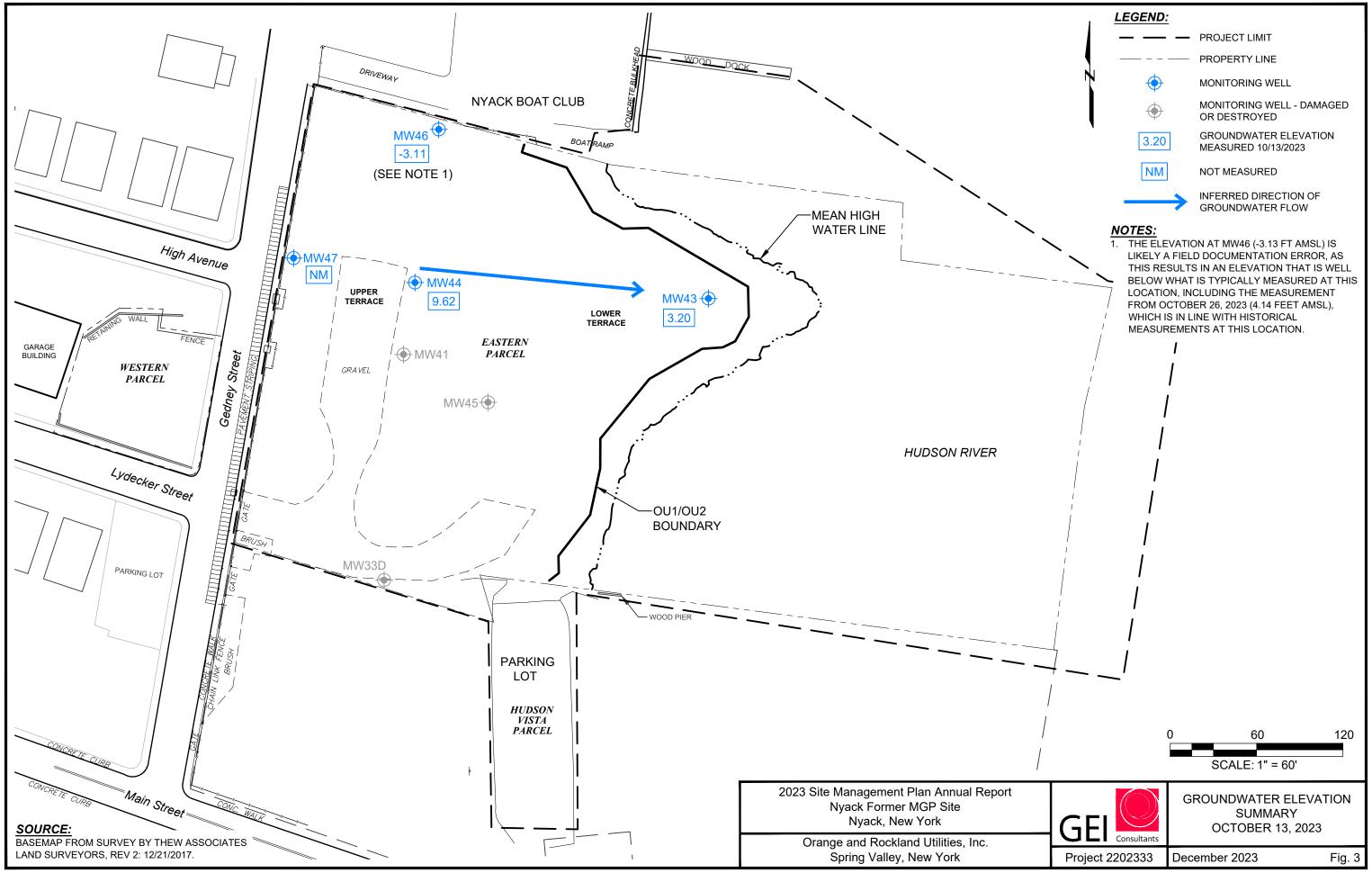
Total VOCs includes all BTEX compounds

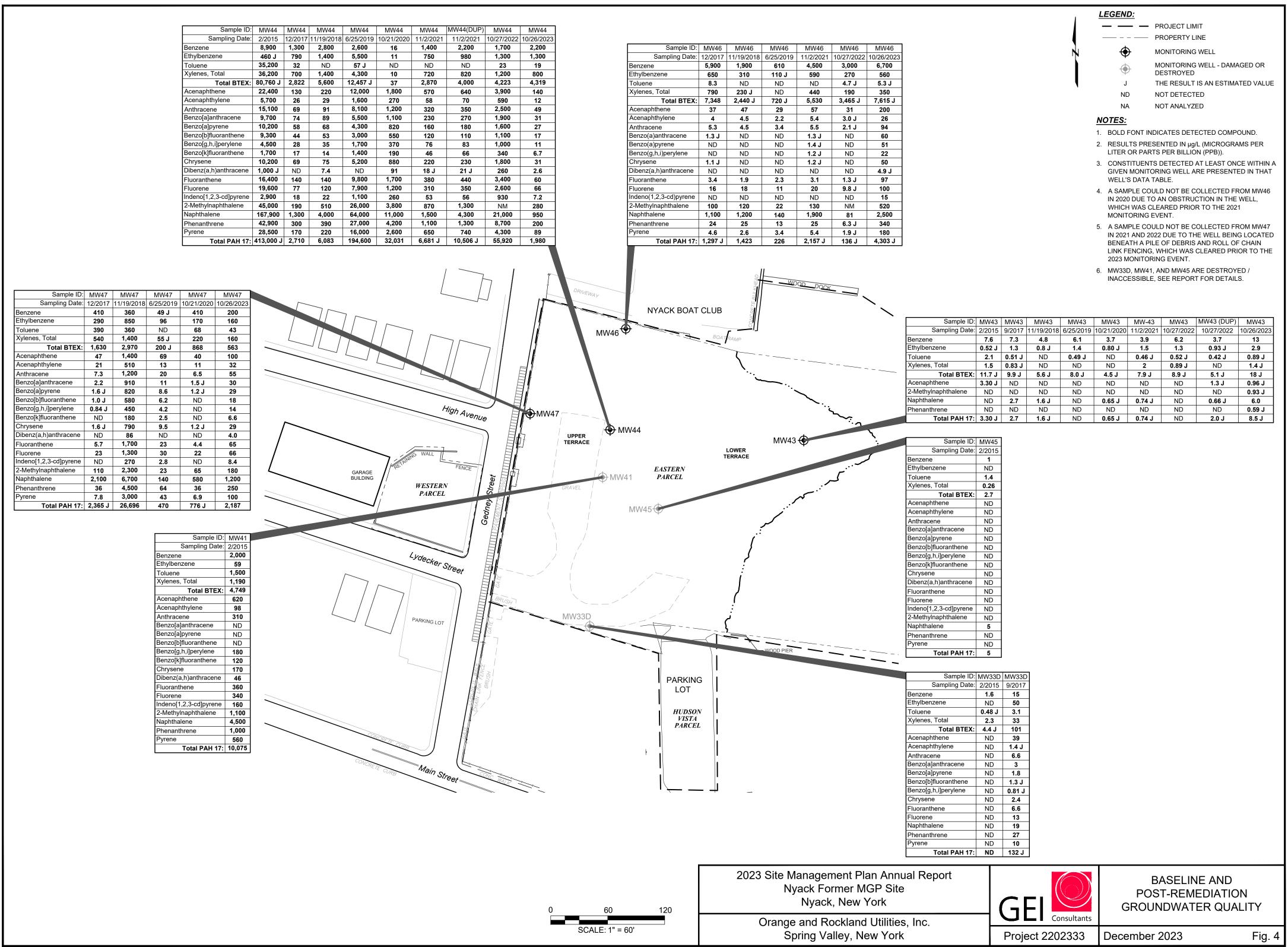
Total SVOCs includes all PAH compounds

Figures









Appendix A

Laboratory Chain-of-Custody Record and Form 1 Reports

Detection Summary

Client: GEI Consultants, Inc.

Project/Site: 2202333.2.1, Nyack

Job ID: 180-164537-1

Client Sample ID: MW43

Lab Sample ID: 180-164537-1

Analyte	Result Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	13	1.0	0.60	ug/L		_	EPA 8260D	Total/NA
Ethylbenzene	2.9	1.0	0.51	ug/L	1		EPA 8260D	Total/NA
Toluene	0.89 J	1.0	0.46	ug/L	1		EPA 8260D	Total/NA
Xylenes, Total	1.4 J	2.0	0.89	ug/L	1		EPA 8260D	Total/NA
Acenaphthene	0.96 J	1.5	0.51	ug/L	1		EPA 8270E	Total/NA
2-Methylnaphthalene	0.93 J	1.5	0.48	ug/L	1		EPA 8270E	Total/NA
Naphthalene	6.0	1.5	0.46	ug/L	1		EPA 8270E	Total/NA
Phenanthrene	0.59 J	1.5	0.43	ug/L	1		EPA 8270E	Total/NA

Client Sample ID: MW44

Lab Sample ID: 180-164537-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac [Method	Prep Type
Toluene	19		5.0	2.3	ug/L		EPA 8260D	Total/NA
Benzene - DL	2200		100	60	ug/L	100	EPA 8260D	Total/NA
Ethylbenzene - DL	1300		100	51	ug/L	100	EPA 8260D	Total/NA
Xylenes, Total - DL	800		200	89	ug/L	100	EPA 8260D	Total/NA
Acenaphthene	140		1.5	0.52	ug/L	1	EPA 8270E	Total/NA
Acenaphthylene	12		1.5	0.52	ug/L	1	EPA 8270E	Total/NA
Anthracene	49		1.5	0.40	ug/L	1	EPA 8270E	Total/NA
Benzo[a]anthracene	31		1.5	0.60	ug/L	1	EPA 8270E	Total/NA
Benzo[a]pyrene	27		1.5	0.43	ug/L	1	EPA 8270E	Total/NA
Benzo[b]fluoranthene	17		1.5	0.78	ug/L	1	EPA 8270E	Total/NA
Benzo[g,h,i]perylene	11		1.5	0.56	ug/L	1	EPA 8270E	Total/NA
Benzo[k]fluoranthene	6.7		1.5	0.71	ug/L	1	EPA 8270E	Total/NA
Chrysene	31		1.5	0.65	ug/L	1	EPA 8270E	Total/NA
Dibenz(a,h)anthracene	2.6		1.5	0.58	ug/L	1	EPA 8270E	Total/NA
Fluoranthene	60		1.5	0.48	ug/L	1	EPA 8270E	Total/NA
Fluorene	66		1.5	0.56	ug/L	1	EPA 8270E	Total/NA
Indeno[1,2,3-cd]pyrene	7.2		1.5	0.69	ug/L	1	EPA 8270E	Total/NA
2-Methylnaphthalene	280		1.5	0.50	ug/L	1	EPA 8270E	Total/NA
Naphthalene	980	E	1.5	0.48	ug/L	1	EPA 8270E	Total/NA
Phenanthrene	200		1.5	0.44	ug/L	1	EPA 8270E	Total/NA
Pyrene	89		1.5	0.44	ug/L	1	EPA 8270E	Total/NA
Acenaphthene - DL	160		31	10	ug/L	20	EPA 8270E	Total/NA
Acenaphthylene - DL	12	J	31	10		20	EPA 8270E	Total/NA
Anthracene - DL	52		31	7.9	ug/L	20	EPA 8270E	Total/NA
Benzo[a]anthracene - DL	30	J	31		ug/L	20	EPA 8270E	Total/NA
Chrysene - DL	28	J	31	13	ug/L	20	EPA 8270E	Total/NA
Fluoranthene - DL	62		31	9.7	ug/L	20	EPA 8270E	Total/NA
Fluorene - DL	79		31	11	ug/L	20	EPA 8270E	Total/NA
2-Methylnaphthalene - DL	290		31		ug/L	20	EPA 8270E	Total/NA
Naphthalene - DL	950		31		ug/L	20	EPA 8270E	Total/NA
Phenanthrene - DL	220		31		ug/L	20	EPA 8270E	Total/NA
Pyrene - DL	92		31		ug/L	20	EPA 8270E	Total/NA

Client Sample ID: MW46

Lab Sample ID: 180-164537-3

Analyte	Result Qualifier	RL	MDL	Unit	Dil Fac [Method	Prep Type
Toluene	5.3 J	10	4.6	ug/L	10	EPA 8260D	Total/NA
Xylenes, Total	350	20	8.9	ug/L	10	EPA 8260D	Total/NA
Benzene - DL	6700	200	120	ug/L	200	EPA 8260D	Total/NA
Ethylbenzene - DL	560	200	100	ug/L	200	EPA 8260D	Total/NA

This Detection Summary does not include radiochemical test results.

AM

Detection Summary

Client: GEI Consultants, Inc.

Job ID: 180-164537-1

Project/Site: 2202333.2.1, Nyack

Client Sample ID: MW46 (Continued)

Lab Sample ID: 180-164537-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	200		5.9	2.0	ug/L	4	_	EPA 8270E	Total/NA
Acenaphthylene	26		5.9	2.0	ug/L	4		EPA 8270E	Total/NA
Anthracene	94		5.9	1.5	ug/L	4		EPA 8270E	Total/NA
Benzo[a]anthracene	60		5.9	2.3	ug/L	4		EPA 8270E	Total/NA
Benzo[a]pyrene	51		5.9	1.7	ug/L	4		EPA 8270E	Total/NA
Benzo[b]fluoranthene	23		5.9	3.0	ug/L	4		EPA 8270E	Total/NA
Benzo[g,h,i]perylene	22		5.9	2.2	ug/L	4		EPA 8270E	Total/NA
Benzo[k]fluoranthene	20		5.9	2.8	ug/L	4		EPA 8270E	Total/NA
Chrysene	50		5.9	2.5	ug/L	4		EPA 8270E	Total/NA
Dibenz(a,h)anthracene	4.9	J	5.9	2.3	ug/L	4		EPA 8270E	Total/NA
Fluoranthene	97		5.9	1.9	ug/L	4		EPA 8270E	Total/NA
Fluorene	100		5.9	2.2	ug/L	4		EPA 8270E	Total/NA
Indeno[1,2,3-cd]pyrene	15		5.9	2.7	ug/L	4		EPA 8270E	Total/NA
2-Methylnaphthalene	520		5.9	1.9	ug/L	4		EPA 8270E	Total/NA
Naphthalene	3000	E	5.9	1.8	ug/L	4		EPA 8270E	Total/NA
Phenanthrene	340		5.9	1.7	ug/L	4		EPA 8270E	Total/NA
Pyrene	180		5.9	1.7	ug/L	4		EPA 8270E	Total/NA
Acenaphthene - DL	220		74	25	ug/L	50		EPA 8270E	Total/NA
Anthracene - DL	90		74	19	ug/L	50		EPA 8270E	Total/NA
Benzo[a]anthracene - DL	60	J	74	29	ug/L	50		EPA 8270E	Total/NA
Chrysene - DL	55	J	74	32	ug/L	50		EPA 8270E	Total/NA
Fluoranthene - DL	94		74	23	ug/L	50		EPA 8270E	Total/NA
Fluorene - DL	110		74	27	ug/L	50		EPA 8270E	Total/NA
2-Methylnaphthalene - DL	530		74	24	ug/L	50		EPA 8270E	Total/NA
Naphthalene - DL	2500		74	23	ug/L	50		EPA 8270E	Total/NA
Phenanthrene - DL	360		74	21	ug/L	50		EPA 8270E	Total/NA
Pyrene - DL	170		74	21	ug/L	50		EPA 8270E	Total/NA

Client Sample ID: MW47

Lab Sample ID: 180-164537-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D N	/lethod	Prep Type
Benzene	200		10	6.0	ug/L	10	E	PA 8260D	Total/NA
Ethylbenzene	160		10	5.1	ug/L	10	Е	PA 8260D	Total/NA
Toluene	43		10	4.6	ug/L	10	Е	PA 8260D	Total/NA
Xylenes, Total	160		20	8.9	ug/L	10	Е	PA 8260D	Total/NA
Acenaphthene	100		1.5	0.52	ug/L	1	Е	PA 8270E	Total/NA
Acenaphthylene	32		1.5	0.52	ug/L	1	Е	PA 8270E	Total/NA
Anthracene	55		1.5	0.40	ug/L	1	Е	PA 8270E	Total/NA
Benzo[a]anthracene	30		1.5	0.60	ug/L	1	Е	PA 8270E	Total/NA
Benzo[a]pyrene	29		1.5	0.43	ug/L	1	Е	PA 8270E	Total/NA
Benzo[b]fluoranthene	18		1.5	0.78	ug/L	1	Е	PA 8270E	Total/NA
Benzo[g,h,i]perylene	14		1.5	0.56	ug/L	1	Е	PA 8270E	Total/NA
Benzo[k]fluoranthene	6.6		1.5	0.71	ug/L	1	E	PA 8270E	Total/NA
Chrysene	29		1.5	0.65	ug/L	1	Е	PA 8270E	Total/NA
Dibenz(a,h)anthracene	4.0		1.5	0.58	ug/L	1	Е	PA 8270E	Total/NA
Fluoranthene	65		1.5	0.48	ug/L	1	Е	PA 8270E	Total/NA
Fluorene	66		1.5	0.56	ug/L	1	E	PA 8270E	Total/NA
Indeno[1,2,3-cd]pyrene	8.4		1.5	0.69	ug/L	1	Е	PA 8270E	Total/NA
2-Methylnaphthalene	180		1.5	0.50	ug/L	1	Е	PA 8270E	Total/NA
Naphthalene	1200	E	1.5	0.48	ug/L	1	E	PA 8270E	Total/NA
Phenanthrene	250		1.5	0.44	ug/L	1	Е	EPA 8270E	Total/NA

This Detection Summary does not include radiochemical test results.

ΑM

Detection Summary

Client: GEI Consultants, Inc. Job ID: 180-164537-1

Project/Site: 2202333.2.1, Nyack

Client Sample ID: MW47 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	100		1.5	0.44	ug/L	1	_	EPA 8270E	Total/NA
Acenaphthene - DL	130		38	13	ug/L	25		EPA 8270E	Total/NA
Acenaphthylene - DL	35	J	38	13	ug/L	25		EPA 8270E	Total/NA
Anthracene - DL	62		38	9.9	ug/L	25		EPA 8270E	Total/NA
Benzo[a]anthracene - DL	30	J	38	15	ug/L	25		EPA 8270E	Total/NA
Benzo[a]pyrene - DL	25	J	38	11	ug/L	25		EPA 8270E	Total/NA
Chrysene - DL	34	J	38	16	ug/L	25		EPA 8270E	Total/NA
Fluoranthene - DL	73		38	12	ug/L	25		EPA 8270E	Total/NA
Fluorene - DL	88		38	14	ug/L	25		EPA 8270E	Total/NA
2-Methylnaphthalene - DL	210		38	13	ug/L	25		EPA 8270E	Total/NA
Naphthalene - DL	1200		38	12	ug/L	25		EPA 8270E	Total/NA
Phenanthrene - DL	280		38	11	ug/L	25		EPA 8270E	Total/NA

38

11 ug/L

Client Sample ID: FIELD BLANK

120

Lab Sample ID: 180-164537-5

Total/NA

EPA 8270E

Lab Sample ID: 180-164537-4

No Detections.

Pyrene - DL

Client Sample ID: TRIP BLANK

Lab Sample ID: 180-164537-6

No Detections.

Client: GEI Consultants, Inc.

Job ID: 180-164537-1

Project/Site: 2202333.2.1, Nyack

Client Sample ID: MW43							Lab Sam	ple ID: 180-16	4537-1
Date Collected: 10/26/23 10	:30							Matrix:	Water
Date Received: 10/27/23 09	:10								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	13		1.0	0.60	ug/L			10/28/23 12:22	1
Ethylbenzene	2.9		1.0	0.51	ug/L			10/28/23 12:22	1
Toluene	0.89	J	1.0	0.46	ug/L			10/28/23 12:22	1
Xylenes, Total	1.4	J	2.0	0.89	ug/L			10/28/23 12:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		26 - 156			-		10/28/23 12:22	1
4-Bromofluorobenzene (Surr)	98		36 - 124					10/28/23 12:22	1
Dibromofluoromethane (Surr)	109		46 - 149					10/28/23 12:22	1
Toluene-d8 (Surr)	103		40 - 146					10/28/23 12:22	1

Client: GEI Consultants, Inc.

Job ID: 180-164537-1

Project/Site: 2202333.2.1, Nyack

Client Sample ID: MW44 Date Collected: 10/26/23 15:55	·										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Toluene	19		5.0	2.3	ug/L		-	10/28/23 13:05	5		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1,2-Dichloroethane-d4 (Surr)	101		26 - 156					10/28/23 13:05	5		
4-Bromofluorobenzene (Surr)	96		36 - 124					10/28/23 13:05	5		
Dibromofluoromethane (Surr)	108		46 - 149					10/28/23 13:05	5		
Toluene-d8 (Surr)	98		40 - 146					10/28/23 13:05	5		

Client: GEI Consultants, Inc.

Job ID: 180-164537-1

Project/Site: 2202333.2.1, Nyack

Client Sample ID: MW46 Date Collected: 10/26/23 11 Date Received: 10/27/23 09							Lab Sam	pple ID: 180-16 Matrix	4537-3 Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.3	J	10	4.6	ug/L		-	10/28/23 13:48	10
Xylenes, Total	350		20	8.9	ug/L			10/28/23 13:48	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		26 - 156					10/28/23 13:48	10
4-Bromofluorobenzene (Surr)	94		36 - 124					10/28/23 13:48	10
Dibromofluoromethane (Surr)	107		46 - 149					10/28/23 13:48	10
Toluene-d8 (Surr)	100		40 - 146					10/28/23 13:48	10

Client: GEI Consultants, Inc.

Job ID: 180-164537-1

Project/Site: 2202333.2.1, Nyack

Client Sample ID: MW47							Lab Sam	ple ID: 180-16	
Date Collected: 10/26/23 14								Matrix	Water
Date Received: 10/27/23 09	:10								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	200		10	6.0	ug/L			10/28/23 11:27	10
Ethylbenzene	160		10	5.1	ug/L			10/28/23 11:27	10
Toluene	43		10	4.6	ug/L			10/28/23 11:27	10
Xylenes, Total	160		20	8.9	ug/L			10/28/23 11:27	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		26 - 156			-		10/28/23 11:27	10
4-Bromofluorobenzene (Surr)	100		36 - 124					10/28/23 11:27	10
Dibromofluoromethane (Surr)	113		46 - 149					10/28/23 11:27	10
Toluene-d8 (Surr)	104		40 - 146					10/28/23 11:27	10

Client: GEI Consultants, Inc.

Job ID: 180-164537-1

Project/Site: 2202333.2.1, Nyack

Client Sample ID: FIELD BI							Lab Sample ID: 180-164					
Date Collected: 10/26/23 16								Matrix	Water			
Date Received: 10/27/23 09	:10											
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac			
Benzene	ND		1.0	0.60	ug/L			10/28/23 12:34	1			
Ethylbenzene	ND		1.0	0.51	ug/L			10/28/23 12:34	1			
Toluene	ND		1.0	0.46	ug/L			10/28/23 12:34	1			
Xylenes, Total	ND		2.0	0.89	ug/L			10/28/23 12:34	1			
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac			
1,2-Dichloroethane-d4 (Surr)	118		26 - 156			-		10/28/23 12:34	1			
4-Bromofluorobenzene (Surr)	84		36 - 124					10/28/23 12:34	1			
Dibromofluoromethane (Surr)	121		46 - 149					10/28/23 12:34	1			
Toluene-d8 (Surr)	103		40 - 146					10/28/23 12:34	1			

Client: GEI Consultants, Inc.

Job ID: 180-164537-1

Project/Site: 2202333.2.1, Nyack

Client Sample ID: TRIP BLA Date Collected: 10/26/23 00							Lab Sample ID: 180-164537 Matrix: Wate				
Date Received: 10/27/23 09 Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Benzene	ND	Qualifier	1.0	0.60			riepaieu	10/28/23 11:05	1		
Ethylbenzene	ND		1.0	0.51	ug/L			10/28/23 11:05	1		
Toluene	ND		1.0	0.46	ug/L			10/28/23 11:05	1		
Xylenes, Total	ND		2.0	0.89	ug/L			10/28/23 11:05	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1,2-Dichloroethane-d4 (Surr)	120		26 - 156			-	-	10/28/23 11:05	1		
4-Bromofluorobenzene (Surr)	79		36 - 124					10/28/23 11:05	1		
Dibromofluoromethane (Surr)	123		46 - 149					10/28/23 11:05	1		
Toluene-d8 (Surr)	100		40 - 146					10/28/23 11:05	1		

Client: GEI Consultants, Inc. Job ID: 180-164537-1

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL

Project/Site: 2202333.2.1, Nyack

Client Sample ID: MW44 Date Collected: 10/26/23 15							Lab Sam	nple ID: 180-16 Matrix:	
Date Received: 10/27/23 09 Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2200	- Qualifier	100				Тторигои	10/28/23 15:14	100
Ethylbenzene	1300		100		ug/L			10/28/23 15:14	100
Xylenes, Total	800		200	89	ug/L			10/28/23 15:14	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		26 - 156					10/28/23 15:14	100
4-Bromofluorobenzene (Surr)	96		36 - 124					10/28/23 15:14	100
Dibromofluoromethane (Surr)	101		46 - 149					10/28/23 15:14	100
Toluene-d8 (Surr)	104		40 - 146					10/28/23 15:14	100

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Client: GEI Consultants, Inc. Job ID: 180-164537-1

Project/Site: 2202333.2.1, Nyack

Client Sample ID: MW46 Date Collected: 10/26/23 11							Lab Sam	nple ID: 180-16 Matrix	4537-3 Water
Date Received: 10/27/23 09 Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6700		200	120	ug/L		<u> </u>	10/28/23 15:36	200
Ethylbenzene	560		200	100	ug/L			10/28/23 15:36	200
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		26 - 156			-		10/28/23 15:36	200
4-Bromofluorobenzene (Surr)	93		36 - 124					10/28/23 15:36	200
Dibromofluoromethane (Surr)	100		46 - 149					10/28/23 15:36	200
Toluene-d8 (Surr)	103		40 - 146					10/28/23 15:36	200

Client: GEI Consultants, Inc.

Job ID: 180-164537-1

Project/Site: 2202333.2.1, Nyack

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: MW43 Lab Sample ID: 180-164537-1 Date Collected: 10/26/23 10:30 **Matrix: Water** Date Received: 10/27/23 09:10 Result Qualifier RL **MDL** Unit D Prepared Dil Fac **Analyte** Analyzed 1.5 0.51 ug/L 10/31/23 10:35 11/02/23 13:43 Acenaphthene 0.96 J 1 ND 1.5 Acenaphthylene 0.51 ug/L 10/31/23 10:35 11/02/23 13:43 1 Anthracene ND 1.5 0.38 ug/L 10/31/23 10:35 11/02/23 13:43 1 Benzo[a]anthracene ND 1.5 0.59 ug/L 10/31/23 10:35 11/02/23 13:43 1 Benzo[a]pyrene ND 1.5 0.41 ug/L 10/31/23 10:35 11/02/23 13:43 1 Benzo[b]fluoranthene ND 1.5 0.76 ug/L 10/31/23 10:35 11/02/23 13:43 1 ND 1.5 1 Benzo[g,h,i]perylene 0.54 ug/L 10/31/23 10:35 11/02/23 13:43 Benzo[k]fluoranthene ND 0.69 ug/L 10/31/23 10:35 11/02/23 13:43 1.5 1 Chrysene ND 1.5 0.63 ug/L 10/31/23 10:35 11/02/23 13:43 1 Dibenz(a,h)anthracene ND 0.56 ug/L 10/31/23 10:35 11/02/23 13:43 1.5 1 ND 10/31/23 10:35 11/02/23 13:43 Fluoranthene 1.5 0.47 ug/L 1 Fluorene ND 1.5 0.54 ug/L 10/31/23 10:35 11/02/23 13:43 1 ND Indeno[1,2,3-cd]pyrene 1.5 0.66 ug/L 10/31/23 10:35 11/02/23 13:43 1 10/31/23 10:35 11/02/23 13:43 2-Methylnaphthalene 0.93 J 1.5 0.48 ug/L 1 **Naphthalene** 6.0 1.5 0.46 ug/L 10/31/23 10:35 11/02/23 13:43 1 **Phenanthrene** 1.5 0.43 ug/L 10/31/23 10:35 11/02/23 13:43 1 0.59 Pyrene ND 1.5 0.42 ug/L 10/31/23 10:35 11/02/23 13:43 1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	73		45 - 105	10/31/23 10:35	11/02/23 13:43	1
Nitrobenzene-d5 (Surr)	83		45 - 106	10/31/23 10:35	11/02/23 13:43	1
Terphenyl-d14 (Surr)	34		28 - 125	10/31/23 10:35	11/02/23 13:43	1

Client: GEI Consultants, Inc.

Job ID: 180-164537-1

Project/Site: 2202333.2.1, Nyack

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

39

Terphenyl-d14 (Surr)

Client Sample ID: MW44 Lab Sample ID: 180-164537-2 Date Collected: 10/26/23 15:55 **Matrix: Water** Date Received: 10/27/23 09:10 Result Qualifier RL **MDL** Unit D Dil Fac **Analyte** Prepared **Analyzed** 1.5 10/31/23 10:35 11/02/23 14:04 140 0.52 ug/L 1 Acenaphthene 1.5 Acenaphthylene 12 0.52 ug/L 10/31/23 10:35 11/02/23 14:04 1 49 1.5 0.40 ug/L 10/31/23 10:35 11/02/23 14:04 1 **Anthracene** Benzo[a]anthracene 31 1.5 0.60 ug/L 10/31/23 10:35 11/02/23 14:04 1 **27** 1.5 0.43 ug/L 10/31/23 10:35 11/02/23 14:04 1 Benzo[a]pyrene **17** 1.5 0.78 ug/L 10/31/23 10:35 11/02/23 14:04 1 Benzo[b]fluoranthene 11 1.5 1 Benzo[g,h,i]perylene 0.56 ug/L 10/31/23 10:35 11/02/23 14:04 10/31/23 10:35 11/02/23 14:04 Benzo[k]fluoranthene 6.7 1.5 0.71 ug/L 1 31 1.5 0.65 ug/L 10/31/23 10:35 11/02/23 14:04 Chrysene 1 Dibenz(a,h)anthracene 2.6 1.5 0.58 ug/L 10/31/23 10:35 11/02/23 14:04 1 10/31/23 10:35 11/02/23 14:04 **Fluoranthene** 60 1.5 0.48 ug/L 1 66 1.5 0.56 ug/L 10/31/23 10:35 11/02/23 14:04 1 **Fluorene** Indeno[1,2,3-cd]pyrene 7.2 1.5 0.69 ug/L 10/31/23 10:35 11/02/23 14:04 1 280 1.5 0.50 ug/L 10/31/23 10:35 11/02/23 14:04 1 2-Methylnaphthalene **Naphthalene** 980 E 1.5 0.48 ug/L 10/31/23 10:35 11/02/23 14:04 1.5 0.44 ug/L 10/31/23 10:35 11/02/23 14:04 **Phenanthrene** 200 1 1.5 0.44 ug/L 10/31/23 10:35 11/02/23 14:04 **Pyrene** 89 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 45 - 105 2-Fluorobiphenyl 10/31/23 10:35 11/02/23 14:04 Nitrobenzene-d5 (Surr) 77 45 - 106 10/31/23 10:35 11/02/23 14:04 1

28 - 125

10/31/23 10:35 11/02/23 14:04

Client: GEI Consultants, Inc.

Job ID: 180-164537-1

Project/Site: 2202333.2.1, Nyack

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: MW46 Lab Sample ID: 180-164537-3 Date Collected: 10/26/23 11:40 **Matrix: Water** Date Received: 10/27/23 09:10 Result Qualifier RL **MDL** Unit D Prepared Dil Fac **Analyte Analyzed** 5.9 2.0 ug/L 10/31/23 10:35 11/02/23 14:25 Acenaphthene 200 5.9 10/31/23 10:35 11/02/23 14:25 4 Acenaphthylene 26 2.0 ug/L 94 5.9 1.5 ug/L 10/31/23 10:35 11/02/23 14:25 4 **Anthracene** Benzo[a]anthracene 60 5.9 2.3 ug/L 10/31/23 10:35 11/02/23 14:25 4 **51** 5.9 1.7 ug/L 10/31/23 10:35 11/02/23 14:25 4 Benzo[a]pyrene 23 5.9 3.0 ug/L 10/31/23 10:35 11/02/23 14:25 4 Benzo[b]fluoranthene 22 5.9 2.2 ug/L 10/31/23 10:35 11/02/23 14:25 4 Benzo[g,h,i]perylene 20 5.9 10/31/23 10:35 11/02/23 14:25 4 Benzo[k]fluoranthene 2.8 ug/L **50** 5.9 2.5 ug/L 10/31/23 10:35 11/02/23 14:25 4 Chrysene 2.3 ug/L 10/31/23 10:35 11/02/23 14:25 Dibenz(a,h)anthracene 4.9 5.9 10/31/23 10:35 11/02/23 14:25 4 **Fluoranthene** 97 5.9 1.9 ug/L 5.9 2.2 ug/L 10/31/23 10:35 11/02/23 14:25 4 **Fluorene** 100 Indeno[1,2,3-cd]pyrene 15 5.9 2.7 ug/L 10/31/23 10:35 11/02/23 14:25 4 1.9 ug/L **520** 5.9 10/31/23 10:35 11/02/23 14:25 4 2-Methylnaphthalene **Naphthalene** 3000 E 5.9 1.8 ug/L 10/31/23 10:35 11/02/23 14:25 4 5.9 1.7 ug/L 10/31/23 10:35 11/02/23 14:25 4 **Phenanthrene** 340 5.9 1.7 ug/L 10/31/23 10:35 11/02/23 14:25 **Pyrene** 180 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 45 - 105 10/31/23 10:35 11/02/23 14:25 4 2-Fluorobiphenyl Nitrobenzene-d5 (Surr) 79 45 - 106 10/31/23 10:35 11/02/23 14:25 4 28 - 125 Terphenyl-d14 (Surr) 45 10/31/23 10:35 11/02/23 14:25 4

Client: GEI Consultants, Inc. Job ID: 180-164537-1

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Project/Site: 2202333.2.1, Nyack

Client Sample ID: MW47 Lab Sample ID: 180-164537-4 Date Collected: 10/26/23 14:25 **Matrix: Water** Date Received: 10/27/23 09:10 Result Qualifier RL **MDL** Unit D Dil Fac **Analyte** Prepared **Analyzed** 1.5 10/31/23 10:35 11/02/23 14:47 Acenaphthene 100 0.52 ug/L 1 1.5 Acenaphthylene 32 0.52 ug/L 10/31/23 10:35 11/02/23 14:47 1 **55** 1.5 0.40 ug/L 10/31/23 10:35 11/02/23 14:47 1 **Anthracene** Benzo[a]anthracene 30 1.5 0.60 ug/L 10/31/23 10:35 11/02/23 14:47 1 29 1.5 0.43 ug/L 10/31/23 10:35 11/02/23 14:47 1 Benzo[a]pyrene 18 1.5 0.78 ug/L 10/31/23 10:35 11/02/23 14:47 1 Benzo[b]fluoranthene 14 1.5 1 Benzo[g,h,i]perylene 0.56 ug/L 10/31/23 10:35 11/02/23 14:47 6.6 10/31/23 10:35 11/02/23 14:47 Benzo[k]fluoranthene 1.5 0.71 ug/L 1 29 1.5 0.65 ug/L 10/31/23 10:35 11/02/23 14:47 Chrysene 1 10/31/23 10:35 11/02/23 14:47 Dibenz(a,h)anthracene 4.0 1.5 0.58 ug/L 1 10/31/23 10:35 11/02/23 14:47 **Fluoranthene** 65 1.5 0.48 ug/L 1 1.5 0.56 ug/L 10/31/23 10:35 11/02/23 14:47 1 **Fluorene** 66 Indeno[1,2,3-cd]pyrene 8.4 1.5 0.69 ug/L 10/31/23 10:35 11/02/23 14:47 1 1.5 0.50 ug/L 10/31/23 10:35 11/02/23 14:47 1 2-Methylnaphthalene 180 **Naphthalene** 1200 E 1.5 0.48 ug/L 10/31/23 10:35 11/02/23 14:47 1.5 0.44 ug/L 10/31/23 10:35 11/02/23 14:47 **Phenanthrene** 250 1 1.5 0.44 ug/L 10/31/23 10:35 11/02/23 14:47 **Pyrene** 100 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 45 - 105 10/31/23 10:35 11/02/23 14:47 2-Fluorobiphenyl 65 Nitrobenzene-d5 (Surr) 72 45 - 106 10/31/23 10:35 11/02/23 14:47 1 Terphenyl-d14 (Surr) 53 28 - 125 10/31/23 10:35 11/02/23 14:47 1

Client: GEI Consultants, Inc.

Job ID: 180-164537-1

Project/Site: 2202333.2.1, Nyack

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

87

75

Nitrobenzene-d5 (Surr)

Terphenyl-d14 (Surr)

Client Sample ID: FIELD BLANK Lab Sample ID: 180-164537-5 Date Collected: 10/26/23 16:00 **Matrix: Water** Date Received: 10/27/23 09:10 Result Qualifier RL **MDL** Unit D Dil Fac **Analyte** Prepared **Analyzed** 1.5 Acenaphthene ND 0.51 ug/L 10/31/23 10:35 11/02/23 15:08 1 ND 1.5 Acenaphthylene 0.51 ug/L 10/31/23 10:35 11/02/23 15:08 1 Anthracene ND 1.5 0.38 ug/L 10/31/23 10:35 11/02/23 15:08 1 Benzo[a]anthracene ND 1.5 0.59 ug/L 10/31/23 10:35 11/02/23 15:08 1 Benzo[a]pyrene ND 1.5 0.41 ug/L 10/31/23 10:35 11/02/23 15:08 1 Benzo[b]fluoranthene ND 1.5 0.76 ug/L 10/31/23 10:35 11/02/23 15:08 1 ND 1.5 1 Benzo[g,h,i]perylene 0.54 ug/L 10/31/23 10:35 11/02/23 15:08 Benzo[k]fluoranthene ND 10/31/23 10:35 11/02/23 15:08 1.5 0.69 ug/L 1 Chrysene ND 1.5 0.63 ug/L 10/31/23 10:35 11/02/23 15:08 1 10/31/23 10:35 11/02/23 15:08 Dibenz(a,h)anthracene ND 1.5 0.56 ug/L 1 ND 10/31/23 10:35 11/02/23 15:08 Fluoranthene 1.5 0.47 ug/L 1 Fluorene ND 1.5 0.54 ug/L 10/31/23 10:35 11/02/23 15:08 1 Indeno[1,2,3-cd]pyrene ND 1.5 0.66 ug/L 10/31/23 10:35 11/02/23 15:08 1 2-Methylnaphthalene ND 1.5 0.48 ug/L 10/31/23 10:35 11/02/23 15:08 1 Naphthalene ND 1.5 0.46 ug/L 10/31/23 10:35 11/02/23 15:08 Phenanthrene ND 1.5 0.43 ug/L 10/31/23 10:35 11/02/23 15:08 1 Pyrene ND 1.5 0.42 ug/L 10/31/23 10:35 11/02/23 15:08 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 45 - 105 2-Fluorobiphenyl 82 10/31/23 10:35 11/02/23 15:08

45 - 106

28 - 125

AM

10/31/23 10:35 11/02/23 15:08

10/31/23 10:35 11/02/23 15:08

1

Client: GEI Consultants, Inc.

Job ID: 180-164537-1

Project/Site: 2202333.2.1, Nyack

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Client Sample ID: MW44 Lab Sample ID: 180-164537-2 Date Collected: 10/26/23 15:55 **Matrix: Water** Date Received: 10/27/23 09:10 Result Qualifier RL **MDL** Unit D Dil Fac **Analyte** Prepared **Analyzed** 31 10 ug/L 10/31/23 10:35 11/03/23 11:32 160 20 **Acenaphthene** 31 20 Acenaphthylene 12 J 10 ug/L 10/31/23 10:35 11/03/23 11:32 31 7.9 ug/L 10/31/23 10:35 11/03/23 11:32 20 **Anthracene 52** Benzo[a]anthracene 30 31 12 ug/L 10/31/23 10:35 11/03/23 11:32 20 Benzo[a]pyrene ND 31 8.5 ug/L 10/31/23 10:35 11/03/23 11:32 20 Benzo[b]fluoranthene ND 31 16 ug/L 10/31/23 10:35 11/03/23 11:32 20 ND 31 10/31/23 10:35 11/03/23 11:32 20 Benzo[g,h,i]perylene 11 ug/L Benzo[k]fluoranthene ND 31 10/31/23 10:35 11/03/23 11:32 20 14 ug/L 28 31 13 ug/L 10/31/23 10:35 11/03/23 11:32 20 Chrysene ND 31 12 ug/L 10/31/23 10:35 11/03/23 11:32 Dibenz(a,h)anthracene 20 31 10/31/23 10:35 11/03/23 11:32 20 **Fluoranthene 62** 9.7 ug/L 31 11 ug/L 10/31/23 10:35 11/03/23 11:32 20 **Fluorene 79** ND 31 Indeno[1,2,3-cd]pyrene 14 ug/L 10/31/23 10:35 11/03/23 11:32 20 2-Methylnaphthalene 290 31 10 ug/L 10/31/23 10:35 11/03/23 11:32 20 **Naphthalene** 950 31 9.5 ug/L 10/31/23 10:35 11/03/23 11:32 20 220 31 8.9 ug/L 10/31/23 10:35 11/03/23 11:32 20 **Phenanthrene** 31 8.7 ug/L 10/31/23 10:35 11/03/23 11:32 20 **Pyrene** 92 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 45 - 105 20 2-Fluorobiphenyl 53 10/31/23 10:35 11/03/23 11:32 Nitrobenzene-d5 (Surr) 41 S1-45 - 106 10/31/23 10:35 11/03/23 11:32 20

28 - 125

22 S1-

Terphenyl-d14 (Surr)

10/31/23 10:35 11/03/23 11:32

Client: GEI Consultants, Inc.

Job ID: 180-164537-1

Project/Site: 2202333.2.1, Nyack

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Client Sample ID: MW46 Lab Sample ID: 180-164537-3 Date Collected: 10/26/23 11:40 **Matrix: Water** Date Received: 10/27/23 09:10 Result Qualifier RL **MDL** Unit D Dil Fac **Analyte** Prepared **Analyzed** 74 10/31/23 10:35 11/03/23 11:53 220 25 ug/L 50 **Acenaphthene** 74 ND 50 Acenaphthylene 25 ug/L 10/31/23 10:35 11/03/23 11:53 74 90 19 ug/L 10/31/23 10:35 11/03/23 11:53 50 **Anthracene** Benzo[a]anthracene 60 74 29 ug/L 10/31/23 10:35 11/03/23 11:53 50 Benzo[a]pyrene ND 74 21 ug/L 10/31/23 10:35 11/03/23 11:53 50 Benzo[b]fluoranthene ND 74 38 ug/L 10/31/23 10:35 11/03/23 11:53 50 ND 74 50 27 ug/L 10/31/23 10:35 11/03/23 11:53 Benzo[g,h,i]perylene Benzo[k]fluoranthene ND 74 10/31/23 10:35 11/03/23 11:53 50 34 ug/L 55 74 32 ug/L 10/31/23 10:35 11/03/23 11:53 50 Chrysene 74 10/31/23 10:35 11/03/23 11:53 Dibenz(a,h)anthracene ND 28 ug/L 50 74 10/31/23 10:35 11/03/23 11:53 50 **Fluoranthene** 94 23 ug/L 74 27 ug/L 10/31/23 10:35 11/03/23 11:53 50 **Fluorene** 110 74 Indeno[1,2,3-cd]pyrene ND 33 ug/L 10/31/23 10:35 11/03/23 11:53 50 2-Methylnaphthalene **530** 74 24 ug/L 10/31/23 10:35 11/03/23 11:53 50 **Naphthalene** 2500 74 23 ug/L 10/31/23 10:35 11/03/23 11:53 50 74 21 ug/L 10/31/23 10:35 11/03/23 11:53 50 **Phenanthrene** 360 21 ug/L 74 10/31/23 10:35 11/03/23 11:53 50 **Pyrene** 170 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac S1- D 45 - 105 50 2-Fluorobiphenyl 0 10/31/23 10:35 11/03/23 11:53 Nitrobenzene-d5 (Surr) S1- D 45 - 106 10/31/23 10:35 11/03/23 11:53 50

28 - 125

0 S1-D

Terphenyl-d14 (Surr)

AM

10/31/23 10:35 11/03/23 11:53

Client: GEI Consultants, Inc.

Job ID: 180-164537-1

Project/Site: 2202333.2.1, Nyack

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Client Sample ID: MW47 Lab Sample ID: 180-164537-4 Date Collected: 10/26/23 14:25 **Matrix: Water** Date Received: 10/27/23 09:10 Result Qualifier RL **MDL** Unit D Dil Fac **Analyte** Prepared **Analyzed** 38 13 ug/L 10/31/23 10:35 11/03/23 12:15 25 130 **Acenaphthene** 38 10/31/23 10:35 11/03/23 12:15 25 Acenaphthylene 35 J 13 ug/L 38 9.9 ug/L 10/31/23 10:35 11/03/23 12:15 25 **Anthracene** 62 Benzo[a]anthracene 30 38 15 ug/L 10/31/23 10:35 11/03/23 12:15 25 25 38 11 ug/L 10/31/23 10:35 11/03/23 12:15 25 Benzo[a]pyrene Benzo[b]fluoranthene ND 38 20 ug/L 10/31/23 10:35 11/03/23 12:15 25 ND 38 10/31/23 10:35 11/03/23 12:15 25 Benzo[g,h,i]perylene 14 ug/L Benzo[k]fluoranthene ND 38 10/31/23 10:35 11/03/23 12:15 25 18 ug/L 34 38 16 ug/L 10/31/23 10:35 11/03/23 12:15 25 Chrysene 38 10/31/23 10:35 11/03/23 12:15 25 Dibenz(a,h)anthracene ND 15 ug/L 25 38 10/31/23 10:35 11/03/23 12:15 **Fluoranthene 73** 12 ug/L 38 14 ug/L 10/31/23 10:35 11/03/23 12:15 25 **Fluorene** 88 ND 38 25 Indeno[1,2,3-cd]pyrene 17 ug/L 10/31/23 10:35 11/03/23 12:15 2-Methylnaphthalene 210 38 13 ug/L 10/31/23 10:35 11/03/23 12:15 25 **Naphthalene** 1200 38 12 ug/L 10/31/23 10:35 11/03/23 12:15 25 38 11 ug/L 10/31/23 10:35 11/03/23 12:15 25 **Phenanthrene** 280 38 11 ug/L 10/31/23 10:35 11/03/23 12:15 25 **Pyrene** 120 Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed S1- D 45 - 105 25 2-Fluorobiphenyl 0 10/31/23 10:35 11/03/23 12:15 Nitrobenzene-d5 (Surr) S1- D 45 - 106 10/31/23 10:35 11/03/23 12:15 25

28 - 125

0 S1-D

Terphenyl-d14 (Surr)

AM

10/31/23 10:35 11/03/23 12:15

Eurofins Pittsburgh

301 Alpha Drive RIDC Park Petsburgh, PA 15238

Chain of Custody Record

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Phone 412-963-7058 Fax 412-963-2468	-		-				Early Saving St	-	ESC No.	
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Appendix B

Site Inspection Form (including Photographic Record)

SITE INSPECTION FORM

Nyack Former Manufactured Gas Plant Site

SITE INSPECTION	DATE:	10/13/2023	TIME OF ARRIVAL:	2:02 p.m.
			DEPARTURE:	3:32 p.m.
WEATHER: N	ostly su	ınny, low 60s °F.		
	-	-		
Orange and Rockl	and			
Representative(s)		Mat	t Levinson	
NSPECTION TYPE:		Annual	Inspection or Emergency I	nspection
(if emergency indi	cate ev	ent that required a	n	
inspection):			Annual SM	P Inspection for 2023
Engineering contr	ols – co	ver and site utilitie	S.	
Are the Institution	al Contr	ols in place, perfo	rming properly, and remai	
				Yes
Does the Site com	ply with	NYSDEC-approved	d Site Management Plan?	Yes
Has ownership of	the pro	perty changed sinc	e the last inspection?	No
(Verify with Real E	state a	nd Survey Departm	ents)	
Owner continues	to be TZ			
Are there any cha	nges to	intended site use (Restricted Residential, Con	nmercial Yes
· · · · · · · · · · · · · · · · · · ·	_		r institutional controls?	e. e.a. Tes
The site is planted	d + a b a 4	dovolopod by T7 \/:		
=			sta. It is GEI's understandiı Fhe project has not been a	= -
			he schedule for developme	· ·
		•		
		1 .		
is site used for agi	rıcultura	Il purpose or veget	able gardens?	Yes No

SITE INSPECTION FORM Nyack Former Manufactured Gas Plant Site

Is groundwater used as source of potable of	or process water onsite	Yes (No)
If yes to the above – does water go throug	h the necessary water quality tr	eatment? N/A
Is solidified material visible, or is there any	vevidence of damage to solidifie	d soil from frost
and wave action?		Yes No
Not visible during ebb tide towards low tid	le at 4:18 p.m. (Tarrytown NOAA	station)
Are the Engineering Controls in place, perf	orming properly, and remain ef	fective?
Surface Cover Intact (i.e. no evidence of er	rosion excavations) including	_
concrete sidewalk and paved street west of		Yes/ No
·		
GENERAL SITE OBSERVATIONS:		
Have there been any changes to the prope	erty since the last inspection? (i.	e. new equipment,
residential buildings or facilities, changes i	n site topography, erosion, etc.)	(Yes) No
There does not appear to have been any of However, equipment remains onsite and to moved eastward to allow for public access. Minor erosion was observed at the drain of north end of the Hudson Vista parking lot erosion (minor) noted from 2022 inspection fence is not secured in several locations also storage of boating equipment onsite from other side of the property fence line. These affecting the environmental controls for the	the concrete barriers along 5 Geo to the sidewalk (as shown in the putfall pipe at the southeast corn (photo is included in attached phon). The screening fabric on the ong Main Street. Additionally, the the adjacent boat club to the notes se changes noted above do not a	dney Street were e attached photos). her of the site at the noto log; additional southern perimeter here appears to be orth just on the
NOTE:		
Inspections should be made a minimum of as a natural disaster or an unforeseen fail will be conducted by Consolidated Edison	ure or damage to the building o	occurs. Inspections
COMPLETED BY: Sean DiBartolo, P.E.	SIGNATURE: Scan Die	Bartolo
GEI Consultants, Inc., P.C.		



Company: Orange and Rockland Utilities, Inc.

Project: 2023 SMP Inspection, Nyack Former MGP Site



Photo No.: 1

Photographer: S. DiBartolo **Date:** 10/13/2023 **Direction:** North

Comments:
Upper Terrace



Photo No.: 2

Photographer: S. DiBartolo **Date:** 10/13/2023 **Direction:** Northwest

Comments:
Upper Terrace



Company: Orange and Rockland Utilities, Inc.

Project: 2023 SMP Inspection, Nyack Former MGP Site



Photo No.:

Photographer: S. DiBartolo Date: 10/13/2023

Direction: East

Comments: Upper Terrace



Photo No.:

Photographer: S. DiBartolo 10/13/2023 Date:

Direction: East

Comments:

Lower Terrace and Hudson

River Area



Company: Orange and Rockland Utilities, Inc.

Project: 2023 SMP Inspection, Nyack Former MGP Site



Photo No.: 5

Photographer: S. DiBartolo **Date:** 10/13/2023 **Direction:** North

Comments:
Lower Terrace



Photo No.: 6

Photographer: S. DiBartolo **Date:** 10/13/2023 **Direction:** Southwest

Comments:Lower Terrace



Company: Orange and Rockland Utilities, Inc.

Project: 2023 SMP Inspection, Nyack Former MGP Site



Photo No.: 7

Photographer: S. DiBartolo **Date:** 10/13/2023

Direction: South

Comments:

Lower Terrace towards Hudson Vista Parking Lot



Photo No.: 8

Photographer: S. DiBartolo

Date: 10/13/2023 **Direction:** North

Comments:

Hudson Vista Associates Parcel lower parking lot portion of surface cover



Company: Orange and Rockland Utilities, Inc.

Project: 2023 SMP Inspection, Nyack Former MGP Site

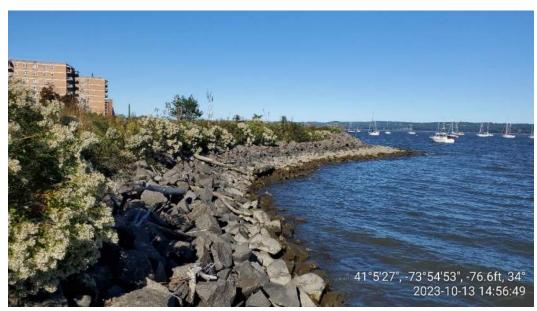


Photo No.: 9

Photographer: S. DiBartolo **Date:** 10/13/2023

Direction: Northeast

Comments:

Lower Terrace and Riprap

Slope



Photo No.: 10

Photographer: S. DiBartolo **Date:** 10/13/2023 **Direction:** Southeast

Comments:

Riprap Slope at Hudson River

at Low Tide



Company: Orange and Rockland Utilities, Inc.

Project: 2023 SMP Inspection, Nyack Former MGP Site



Photo No.: 11

Photographer: S. DiBartolo **Date:** 10/13/2023 **Direction:** Southwest

Comments:

Riprap Slope at Hudson River at Low Tide

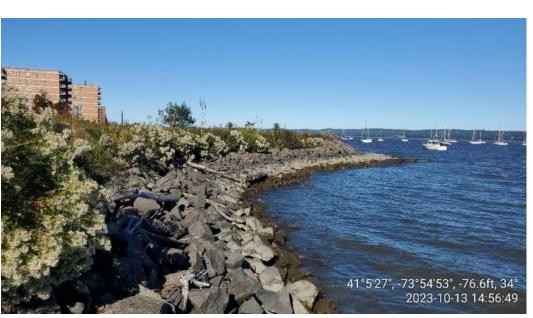


Photo No.: 12

Photographer: S. DiBartolo **Date:** 10/13/2023 **Direction:** Northeast

Comments:

Riprap Slope at Hudson River

at Low Tide



Company: Orange and Rockland Utilities, Inc.

Project: 2023 SMP Inspection, Nyack Former MGP Site



Photo No.: 13

Photographer: S. DiBartolo **Date:** 10/13/2023 **Direction:** Northwest

Comments:

Stormwater CMP Outfall at North end of Hudson Vista

Parking Lot



Photo No.: 14

Photographer: S. DiBartolo **Date:** 10/13/2023 **Direction:** South

Comments:

Perimeter fence at Gedney

Street



Company: Orange and Rockland Utilities, Inc.

Project: 2023 SMP Inspection, Nyack Former MGP Site

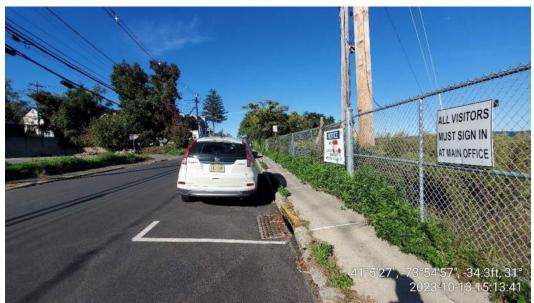


Photo No.: 15

Photographer: S. DiBartolo **Date:** 10/13/2023 **Direction:** Northeast

Comments:

Perimeter fence at Gedney

Street



Photo No.: 16

Photographer: S. DiBartolo **Date:** 10/13/2023 **Direction:** Southwest

Comments:

Perimeter fence at Main Street (upper left side of photo) and Gedney Street (upper right

side of photo)



Company: Orange and Rockland Utilities, Inc.

Project: 2023 SMP Inspection, Nyack Former MGP Site



Photo No.: 17

Photographer: S. DiBartolo **Date:** 10/13/2023 **Direction:** Southwest

Comments:

Perimeter fence at Hudson Vista Associates Parcel lower parking lot.



Photo No.: 18

Photographer: S. DiBartolo **Date:** 10/13/2023 **Direction:** North

Comments:

Perimeter fence at Hudson Vista Associates Parcel lower parking lot.



Company: Orange and Rockland Utilities, Inc.

Project: 2023 SMP Inspection, Nyack Former MGP Site



Photo No.: 19

Photographer: S. DiBartolo **Date:** 10/13/2023 **Direction:** West

Comments:

Storage of boating equipment on Property. North perimeter fence does not extend onto the riprap slope and the site can be accessed from adjacent boat club to the north.



Photo No.: 20

Photographer: S. DiBartolo **Date:** 10/13/2023 **Direction:** Northeast

Comments:

Perimeter fence at Hudson Vista Associates Parcel at east end of Main Street. Screening fabric ripped and not secured.