SESI CONSULTING ENGINEERS

Geotechnical
Foundations
Land Planning
Geo-Structural
Environmental
Water Resources

Principals:

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July 15, 2019 *via email: emmanuel.babalola@dec.ny.gov*

Emmanuel Babalola
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Section B, Bureau C
625 Broadway, 11th Floor
Albany, NY 12233-5750

RE: Periodic Review Report Letter - April 25, 2016 to June 15, 2019 Reporting Period
Harbor Square, Site No. C360091
1 Harbor Square (formerly Westerly Road)
Village of Ossining, Westchester County, New York 10562
SESI Project No. 7173

Dear Mr. Babalola:

On behalf of our Client, Harbor Square Crossings, LLC (Client), SESI Consulting Engineers D.P.C. (SESI) is submitting this Periodic Review Report (PRR) letter for the April 25, 2016 to June 15, 2019 reporting period (2016-2019) at the subject property, known as the Harbor Square Site (Site) and located at 1 Harbor Square in the Village of Ossining, Westchester County, New York. A correspondence letter from the NYSDEC to the Owner, dated August 8, 2016, indicated a reduction in frequency for the required submittal of a PRR from an annual to a triennial basis. A copy of the NYSDEC PRR frequency change correspondence is provided in **Attachment A**. SESI has continued to submit annual report updates to the NYSDEC in July of 2017 and 2018 for the performance of operations, maintenance, and monitoring (OM&M) activities that were completed at the Site.

For the 2016-2019 period, SESI continued to annually monitor the remedial engineering controls (ECs) at the Site, which include the following: Performance of an annual site inspection of the ECs, annual groundwater sampling of the onsite monitoring well network, annual vapor intrusion sampling of the sub-slab depressurization systems (SSDSs), and quarterly gauging and recovery events of the onsite DNAPL wells. These tasks were completed pursuant to the updated December 2016 Site Management Plan (SMP), submitted to the NYSDEC on December 28, 2016. This PRR letter presents a summary of these annual monitoring tasks for the Site for the April 25, 2016 to June 15, 2019 reporting period determined by the NYSDEC.

Annual Inspection of Site Engineering Controls

SESI conducted the annual inspections of the onsite ECs on May 23, 2017, June 5, 2018, and June 27, 2019. The inspections included examination of the composite cover system, slurry wall effectiveness, sub-slab depressurization systems (SSDSs), and the groundwater monitoring well

network. The 2016-2019 reporting period Institutional Control/Engineering Control (IC/EC) Form and Inspection Checklists were completed in accordance with the NYSDEC and 2016 SMP requirements and are provided in **Attachment B**.

SESI annually inspected the integrity of the composite cover system at the Site. For the 2016-2019 reporting period, no deficiencies (slab cracks, asphalt cracks, damaged demarcation geotextile fabric) were observed within the composite cover system, which includes the three (3) buildings (residential building, restaurant building, and kiosk structure), paved areas (roadways, parking areas, and driveways), landscaped areas, and the playground area. No soil importation activities or subsurface invasive work was undertaken during the 2016-2019 period. SESI has determined, following the inspections, that the composite cover system was in-place and functioning as designed in accordance to the 2016 SMP.

SESI monitored for slurry wall effectiveness by gauging MW-6A and MW-7A for DNAPL during the annual groundwater sampling events. No DNAPL was encountered in MW-6A or MW-7A during the inspections, and no product seeps were observed along the property lines abutting the Hudson River and Sing Sing Kill. ARCADIS of New York, Inc. (ARCADIS), under the observation of SESI, conducted quarterly gauging of the deep monitoring wells to the west of the slurry wall (MW-A, MW-B, MW-C1, and MW-C2) at separate events during the reporting period. ARCARDIS also performed, under the observation of SESI, quarterly DNAPL recovery efforts at MW-D, which is discussed in further detail below.

SESI conducted annual inspections of the SSDSs for the residential building, restaurant building, and kiosk structure. The SSDSs are currently being operated in passive mode of operation with no blowers installed, as designed and in accordance with the 2016 SMP. No deficiencies to the SSDSs were noted. SESI conducted a first-round and second-round annual SSDS vapor intrusion sampling event in the occupied buildings in late 2016 and 2017. No vapor intrusion sampling event was performed for the system in late 2018, as the SMP requirements had been fulfilled through the attainment of compliant, annual VOC testing results completed within the first two (2) years of the system operation. Further elaboration of the testing events for the SSDSs is provided below.

SESI conducted annual inspections of the groundwater monitoring well network. All onsite monitoring wells were accessible for each of the annual compliance sampling events. A discussion of the annual inspections and groundwater sampling events for this reporting period is provided in further detail below. SESI observed water within the outer steel manhole casing of MW-6A during the 2017 and 2018 inspection events but determined that the condition of the monitoring well riser pipe had not been compromised. SESI had also noted that MW-2 and MW-2A required functioning well locks. On October 5, 2018, SESI mobilized to the Site to perform the restorations for both noted minor deficiencies to the groundwater monitoring well network. It was determined that the oversized well cap and lock installed on MW-6A prevented watertight closure of its manhole cover. Both the well cap and lock for MW-6A were replaced with smaller-sized versions that enabled watertight closure of the manhole cover. In addition, functioning well locks were installed on MW-2 and MW-2A. A copy of the SESI Inspector's daily field report outlining the restorative activities for the well network is provided in **Attachment C**.

Annual Groundwater Sampling Events of the Monitoring Well Network

Attachment D contains a tabular summary of the annual groundwater monitoring results for the current reporting period, along with a side-by-side comparison with cumulative analytical results reported for the historical groundwater monitoring events performed since 2007. In addition, a second tabular summary containing the measured groundwater chemical parameters, recorded for each monitoring event since 2007, is included to demonstrate and quantify the monitored natural attenuation remedial approach at the Site. Well purge logs are included for supporting documentation of the annual groundwater sampling events performed during the reporting period.

2017 MW Sampling Event

On May 23, 2017, SESI conducted the annual groundwater sampling of the onsite monitoring well network that was in-place as reported in the updated 2016 SMP. Monitoring wells MW-2, MW-2A, MW-6A, MW-6B, and MW-7A were sampled for Volatile Organic Compounds (VOCs) and Semi-volatile Organic Compounds (SVOCs). The requirement of sampling for Metals analyses had been eliminated during the 2015 PRR reporting period and approved by the NYSDEC on April 28, 2016 (details are provided in the 2015 PRR). SESI had notified the NYSDEC of the loss of MW-4 as a result of construction activities during the June 15, 2016 to June 15, 2017 reporting period. In response, the NYSDEC had determined via email correspondence that MW-4 did not need to be replaced due to the presence of other remaining viable wells downgradient of the slurry wall (refer to July 28, 2017 PRR letter). The updated 2016 SMP reflects the current groundwater monitoring well network that has been in-place throughout the 2016-2019 reporting period.

Based on a review of the results of the 2017 groundwater sampling and testing, it appeared that the levels for most of the constituents had either been reduced or remained similar to the 2016 event. The 2017 groundwater monitoring well sampling event indicated three (3) exceedances of three (3) separate SVOC constituents, and only one (1) exceedance of one (1) VOC constituent. The SVOC exceedance for Phenol was detected in MW-2A at 9.8 parts per billion (ppb). Phenol had not been detected in MW-2A since 2011, which indicated a level of Phenol at 11 ppb. The SVOC exceedance for Acenaphthene was detected in MW-7A at 49 ppb, a level higher than what was reported in 2016 (22 ppb) but lower than the level reported in 2015 (59 ppb). Similarly, the SVOC Dibenzofuran was detected in MW-7A at 11 ppb, a level higher than what was reported in 2016 (4.3 ppb) but lower than the level reported in 2015 (12 ppb); however, SESI wishes to note that the original 2017 PRR Letter lacked an explanation citing that no promulgated groundwater quality standard has since been established for Dibenzofuran, but rather, the NY TAGM guidance value of 5 ppb had been utilized as a recommended cleanup value for Dibenzofuran in groundwater. As a result, the reported concentrations for any groundwater samples above 5 ppb for Dibenzofuran do not constitute regulatory “exceedances” to any promulgated standard. The VOC exceedance for Benzene in MW-2A (1300 ppm) has trended to its lowest concentration to-date than had been reported in previous years. SESI had concluded that natural attenuation had continued to trend toward an effective reduction of groundwater contaminant levels.

2018 MW Sampling Event

On June 5, 2018, SESI conducted the annual groundwater sampling of the onsite monitoring well network that was in-place as reported in the updated 2016 SMP. Similar to the 2017 event, monitoring wells MW-2, MW-2A, MW-6A, MW-6B, and MW-7A were sampled for VOCs and SVOCs.

Based on a review of the results of the 2018 groundwater sampling and testing, it appeared that the levels for most of the constituents had continued to trend either towards a reduction in contaminant concentrations or remained at similar levels to the 2017 event. The 2018 groundwater monitoring well sampling event indicated only one (1) exceedance of one (1) VOC constituent and no exceedances for any SVOC constituents. The VOC exceedance for Benzene in MW-2A (84 ppb) had significantly trended to its lowest concentration to-date than had been reported in previous years. SESI had once again concluded that natural attenuation had continued to trend toward an effective reduction of groundwater contaminant levels.

2019 MW Sampling Event

On June 6, 2019, SESI conducted the annual groundwater sampling of the onsite monitoring well network that was in-place as reported in the updated 2016 SMP. Similar to the 2018 event, monitoring wells MW-2, MW-2A, MW-6A, MW-6B, and MW-7A were sampled for VOCs and SVOCs.

Based on a review of the results of the 2019 groundwater sampling and testing, it appeared that the levels for most of the constituents had continued to trend towards the reduction in overall contaminant concentrations or remained at similar levels observed from the 2018 event, with slight exceptions for Benzene and Acenaphthene. Specifically, one (1) sample contained a VOC exceedance for Benzene in MW-2A (120 ppb), which contained a slightly-increased concentration in comparison to the 2018 event results; however, the 2019 result for Benzene continues to trend significantly lower than the levels reported from 2007 to 2017, which all exceeded at least 1,300 ppb or greater. There was one (1) sample that contained a SVOC exceedance for Acenaphthene in MW-7A at 39 ppb, which is representative of a resurgence from 19 ppb detected from the 2018 event (below the NY TOGS groundwater criterion of 20 ppb); however, it is important to note that the Acenaphthene concentration detected during the 2019 event was lower than the level reported in 2017 (49 ppb), but higher than the level reported in 2016 (22 ppb), and once again lower than each of the levels annually reported from 2010 to 2015 in MW-7A. In addition, MW-7A remains to be the only monitoring well onsite exhibiting this oscillating trend of Acenaphthene levels detected, as natural attenuation patterns were more readily observed in other monitoring wells with historical detections for Acenapthene. Similar to the 2017 event, the SVOC Dibenzofuran was detected in MW-7A at 7.6 ppb, a level higher than what was reported in 2018 (1.3 ppb) but lower than the level reported in 2017 (11 ppb); however, as previously discussed, the NY TAGM guidance value of 5 ppb had been utilized as a recommended cleanup value for Dibenzofuran in groundwater, and as a result, the reported concentrations for any groundwater samples above 5 ppb for Dibenzofuran do not constitute as regulatory “exceedances” to any promulgated standard. Excluding the relatively-minor increases to the Benzene and Acenaphthene concentrations, the

2019 groundwater testing results indicate that natural attenuation continues to trend toward an effective reduction of groundwater contaminant levels at the Site.

SSDS Installation Year 1 (2016): Annual SSDS Vapor Intrusion Sampling Event

The sub-slab depressurization systems (SSDSs), also known as vapor intrusion (VI) mitigation systems, have been installed to mitigate possible soil vapor intrusion into the occupied buildings at the Site. The installation of the SSDSs had been completed for the residential building, restaurant building, and kiosk structure in late 2016. The SSDSs have been operating in a passive mode of operation, with no blowers installed, since their installation. The updated 2016 SMP required the annual inspection of the building slab cover conditions, in addition to annual sampling and testing of the SSDSs for sub-slab vapor constituents within the first two (2) years of system operation. The first-round of annual sub-slab soil vapor sampling was performed on December 27 and December 28, 2016. One (1) sub-slab air sample from each of the sub-slab sample ports (five (5) ports total) was obtained utilizing a Summa canister and analyzed for VOCs utilizing the USEPA TO-15 test method. The 2016 SMP states that if VOCs are determined to exist at levels ten (10) times above the USEPA Target Indoor Air Concentrations or the NYSDOH Air Guidelines Values in the sub-slab samples, one (1) of the two (2) following approaches may be implemented:

- Indoor air samples can be obtained in the exceedance area and compared to the USEPA Target Indoor Air Concentrations or NYSDOH Air Guidelines Values. If there are exceedances that are proven to be resulting from the sub-slab detections, then the system should be made active by installing blowers at each of the roof vent risers.

- The VI mitigation system can be made active by installing blowers at each of the roof vent risers.

The first-round sub-slab soil vapor sampling results had indicated that no VOCs were present at levels ten (10) times above the USEPA Target Indoor Air Concentrations nor the NYSDOH Air Guidelines Values in any of the sub-slab samples at each building location. As a result, SESI had recommended that the system continue operating in passive mode.

SSDS Installation Year 2 (2017): Annual SSDS Vapor Intrusion Sampling Event

As previously discussed, the updated 2016 SMP required the annual inspection of the building slab cover conditions, in addition to annual sampling and testing of the SSDSs for sub-slab vapor constituents within the first two (2) years of system operation. The second-round of annual sub-slab soil vapor sampling was performed on January 22, 2018 and January 23, 2018. One (1) sub-slab air sample from each of the sub-slab sample ports (five (5) ports total) and one (1) indoor air sample from each nearby sub-slab sample port were obtained utilizing a Summa canister and analyzed for VOCs utilizing the USEPA TO-15 test method.

The NYSDEC requested modification of the SSDS monitoring requirements in an email correspondence to SESI, dated January 3, 2018, which is provided in **Attachment E**. The

modification required the collection of indoor air samples in addition to the sub-slab samples for the additional vapor intrusion testing efforts.

Based on this new requirement, SESI obtained five (5) indoor air samples in conjunction with the five (5) sub-slab vapor samples collected on January 22, 2018. One (1) sub-slab soil vapor sample in the Bike Storage area (SSS-Bike Storage) resulted in 14 ug/m^3 for Benzene, which exceeded the EPA Target Sub-Slab concentration of 12 ug/m^3. Indoor air samples exceeded the EPA Target Indoor Air concentration for Benzene of 0.36 ug/m^3 in all of the indoor air samples tested. The indoor air sample in the Bike Storage Room was 24 ug/m^3. Based on review of these results, it was observed that the Benzene concentrations for the indoor air locations were notably higher than those detected from the sub-slab locations. This indicated the presence of indoor sources for benzene such as tires' rubber, petroleum-based lubricants, etc.

There were several exceedances to the EPA Target Indoor Air concentrations for 1,3-butadiene, chloroform, ethylbenzene, and naphthalene; however, these exceedances cannot be correlated to the presence of target sub-slab vapors since there had not been any exceedances detected within any of the sub-slab samples for these target gases.

The second-round sub-slab soil vapor sampling results indicated that no VOCs were present at levels ten (10) times above the USEPA Target Indoor Air Concentrations in any of the sub-slab samples at each building location. In addition, there were no correlations between the indoor air detections and the sub-slab soil vapor results. As a result, SESI recommended that no changes be made to the current configuration of the system operations in passive mode.

The annual sub-slab soil vapor and indoor air sampling and testing results completed for the first two (2) years of SSDS operations are provided in **Attachment F**.

<u>DNAPL Monitoring and Recovery: January 2016 through March 2019</u>

ARCADIS performed DNAPL monitoring and recovery activities, under the observation of SESI, on a quarterly basis in 2016, 2017, and 2018. The activities performed included the gauging of wells MW-A (RW-A), MW-B (RW-B), MW-C1 (RW-C), MW-C2 (RW-C2), and MW-D (RW-D) for the presence of DNAPL, recovery of any DNAPL encountered at MW-D, and evaluation of the volume of DNAPL removed and DNAPL recharge recovery rate from any recovery wells. The three (3) ARCADIS DNAPL Summary Reports for 2016, 2017, and 2018 are provided in **Attachment G**.

ARCADIS reported that DNAPL recovery at well RW-D began in July 2012 and continued on a quarterly basis through November 2018. ARCADIS reported that the DNAPL gauging and recovery activities proposed for the fourth quarter in December 2016 were postponed and resumed to coincide with the first quarter in March 2017 due to a regulatory permit issue associated with the waste disposal facility. In addition, ARCADIS reported that the DNAPL gauging and recovery activities proposed for the fourth quarter in December 2017 were not performed due to Consolidated Edison's (ConEd) re-evaluation of DNAPL recovery methods and associated waste characterization sampling for material offsite treatment/disposal. During the entire DNAPL recovery timeline at RW-D. since November 2012, up to the first quarter event

performed in March 2019, a total of approximately 123 gallons of DNAPL had been recovered from RW-D during the quarterly recovery events. A total of approximately 0.14 gallons, 0.9 gallons, and 0 gallons of DNAPL were removed from recovery well RW-D during the 2016, 2017, and 2018-1Q2019 quarterly monitoring events, respectively. The amounts of DNAPL recovered for each quarterly event ranged from no measurable recovery (0 gallons) to approximately 0.1 gallons from March 2016 through September 2016, 0 gallons to approximately 0.9 gallons from March 2017 through October 2017, and 0 gallons from April 2018 through March 2019. The greatest amounts of DNAPL recovered during the quarterly events for each of the 2016, 2017, and 2018-1Q2019 reporting periods were 0.1 gallons in June 2016, 0.9 gallons in March 2017, and 0 gallons for all quarterly events performed in 2018 and in March 2019. The least amounts of DNAPL recovered during the quarterly events for each of the 2016, 2017, and 2018-1Q2019 reporting periods were 0 gallons in March 2016, June 2017, October 2017, and all quarterly events performed in 2018 and in March 2019. The total quantities of fluids removed from RW-D during the quarterly DNAPL recovery events conducted by ARCADIS for each of the 2016, 2017, and 2018-1Q2019 reporting periods ranged from 45 to 60 gallons from March 2016 through September 2016, 50 to 202 gallons from March 2017 through October 2017, and 0 gallons for all quarterly events performed in 2018 and in March 2019.

ARCADIS summarized their 2016 DNAPL recovery activities as follows:

- A total of 150 gallons of fluids were removed from recovery well RW-D for offsite transport and disposal during 2016. Between 45 and 60 gallons of groundwater and DNAPL mixture was removed from RW-D during each 2016 recovery event.

- A total of approximately 0.14 gallons of DNAPL was removed from RW-D during 2016, which is approximately 98% less than the total recovery from 2015. The greatest amount of the DNAPL was recovered during the June 2016 quarterly event. The amount of DNAPL removed from RW-D for each 2016 quarterly recovery event ranged from no measurable recovery (0 gallons) to approximately 0.1 gallons per event.

- The calculated daily DNAPL recovery rates for RW-D during 2016 ranged from 0 to 0.001 gallons per day.

ARCADIS summarized their 2017 DNAPL recovery activities as follows:

- A total of 336 gallons of fluids were removed from recovery well RW-D for offsite transport and disposal during 2017.

- A total of approximately 0.9 gallons of DNAPL was removed from RW-D during 2017, which is approximately the same as 2016. The greatest amount of the DNAPL recovered during a single event since initiating recovery at RW-D was removed during the October 2014 event (approximately 28.8 gallons). The volume of DNAPL removed from RW-D for each 2017 quarterly recovery event ranged from no measurable recovery (0 gallons) to approximately 0.9 gallons per event.

- The calculated daily DNAPL recovery rates for RW-D during 2017 ranged from 0 to 0.005 gallons per day.

ARCADIS summarized their 2018 DNAPL recovery activities as follows:

- The fluid level gauging and DNAPL monitoring and recovery events were performed during the months of April, July, October, and November in 2018 and in March 2019. No LNAPL was identified in any of the recovery wells, and DNAPL has not been observed at RW-B, RW-C, or RW-C2 at any point since the inception of the monitoring program in 2008.

- Trace DNAPL was detected at recovery wells RW-A and RW-D during the October 2018 and November 2018 monitoring events. Prior to that, Trace DNAPL was last observed at RW-A during the September 2016 monitoring event. DNAPL was not observed at RW-D during initial gauging for the April and July 2018 monitoring events, but DNAPL was identified at the bottom of the sump during the October and November 2018 monitoring events at no measurable thickness recorded.

- No DNAPL, liquid waste, or hazardous waste was recovered/generated throughout all of the 2018 and first quarter 2019 monitoring events.

- On April 10, 2018, the NYSDEC approved ConEd's proposal to perform the DNAPL recovery efforts using a peristaltic pump instead of the vacuum enhanced recovery approach presented in their work plan.

- The greatest amount of DNAPL recovered during a single event since initiating recovery at RW-D was approximately 28.8 gallons during the October 2014 event.

- A total of 123 gallons of DNAPL has been removed since recovery activities began in RW-D in November 2012.

ARCADIS provided the following conclusions and recommendations in their 2018 DNAPL Summary Report:

Results of the 2018 DNAPL monitoring and recovery activities indicate that only trace, non-recoverable quantities of DNAPL continue to be observed occasionally in recovery wells RW-A and RW-D. DNAPL has not been not identified in the remaining onsite recovery wells since inception of the DNAPL monitoring program in 2008. Con Edison conducted one (1) additional round of DNAPL monitoring at the Site on March 21, 2019. No measurable DNAPL was detected in any of the recovery wells during this monitoring event. Accordingly, Con Edison recommends that DNAPL monitoring and recovery activities at the Site be discontinued. Con Edison is currently preparing a Construction Completion Report (CCR) for the Harbor Square DNAPL monitoring and recovery activities for the NYSDEC's review and approval.

Additional Documentation for PRR Submittal

SESI is submitting the following report figures, under **Attachment H**, that are associated with the engineering control design and details for the Site:

- Figure-1: Site Location Map
- Figure-2: Site Plan
- Figure-3: Groundwater Flow Contours
- Figure-4A: Map of Engineer Control Treatment System – Slurry
- Figure-4B: Map of Engineer Control Treatment System – Sub-Slab
- Figure-5: Typical Cover Detail
- Figure-6: Site-Wide Cover System Plan

In addition, SESI is submitting documentation, under **Attachment I**, that is associated with the Environmental Easement, Easement Legal Descriptions, and Environmental Easement Map, last revised January 28, 2016.

Tables listing the SMP monitoring and inspection schedule for the site engineering controls as well as a list of the cleanup objectives applicable for the Site are provided in **Attachment J**. SESI requests that the NYSDEC review and allow approval for the update of the monitoring and inspection schedule to reflect the discontinuation of the annual indoor air quality testing based on the results presented in this report, which were completed in accordance to the 2016 SMP requirements.

Conclusions and Recommendations

All aspects of the remedial program appear to be meeting the site remedy design goal. SESI recommends continued monitoring of all onsite ECs in accordance to the requirements outlined within the updated 2016 SMP. This includes annual inspection of the composite cover system, SSDSs, and groundwater monitoring well network, and annual sampling of the groundwater monitoring wells. SESI requests the NYSDEC review the above recommendations presented by ARCADIS associated with DNAPL gauging and recovery activities.

SESI anticipates that the next required PRR submittal will be due to the NYSDEC in July 2022. The next PRR, which will include the information reported for the 2020, 2021, and 2022 annual monitoring, inspection, and sampling events, will be prepared and submitted to the NYSDEC by July 15, 2022.

If you have any questions, please call.

Sincerely,

SESI CONSULTING ENGINEERS D.P.C.

Michael St. Pierre, PE
Principal

Enclosed:

Attachment A – NYSDEC Correspondence Letter: PRR Frequency
Attachment B – 2016-2019 IC/EC Form and Inspection Checklists
Attachment C – SESI Inspector Field Report – MW Restorative Activities (October 5, 2018)
Attachment D – Groundwater Analytical Results & Geochemical Parameters (2007-2018)
Attachment E – NYSDEC Email Correspondence: Sub-Slab and Indoor Air for Harbor Square (2018)
Attachment F – Annual SSDS Vapor Intrusion Sampling Event Results (2017-2018).
Attachment G – ARCADIS DNAPL Annual Monitoring Reports (2016-2018)
Attachment H – Harbor Square Site Engineering Control Figures
Attachment I – Environmental Easement Documents
Attachment J – SMP Monitoring & Inspection Schedule and Cleanup Objectives List

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Attachment A
NYSDEC Correspondence Letter: PRR Frequency

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

August 8, 2016

Harbor Square Crossings, LLC
Mr. Martin Ginsburg
c/o Ginsburg Development Companies LLC
100 Summit Lake Drive, Suite 100
Valhalla, NY 10595
mginsburg@gdcllc.com

Re: 2015 Periodic Review Report
Harbor Square, Site No.: C360091
Ossining, Westchester County

Dear Mr. Ginsburg:

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for following period: June 15, 2014 to June 15, 2016.

The Department hereby accepts the PRR and associated Certification, and DNAPL recovery report.

The frequency of Periodic Reviews for this site has increased to 3 years, your next PRR is due by July 30, 2019. A reminder Letter will be sent out on or about May 30, 2019. The certification period will cover June 15, 2016 to June 15, 2019. Please continue to monitor and replace all current groundwater and perimeter DNAPL recovery wells until the Department approves a modified schedule or deems them acceptable for decommissioning. Also do not wait to provide the groundwater, sub-slab depressurization, and DNAPL results before the 3 year PRR.

If you have any questions, please contact me at (518) 402-9605 or by e-mail: matthew.hubicki@dec.ny.gov

Sincerely,

Matthew Hubicki
NYSDEC Project Engineer/Manager

ec: M. Hubicki/File
Michael St. Pierre, SESI (msp@sesi.org)
Steve Byszewski, SESI (spb@sesi.org)
Valerie Monastra, Village Planning, Ossining (vmonastra@ossbuilding.org)
Edward Moore, NYSDEC Region 3 Hazardous Waste Engineer
David Crosby, NYSDEC Section Chief
Maureen Schuck, NYSDOH BEEI Section Chief
Anthony Perretta, NYSDOH PM
C. Leary, ConEd (learyc@coned.com)
M. Jones, Arcadis (mike.jones@arcadis.com)
M. Hysell (matt.hysell@arcadis.com)

Attachment B
2016-2019 IC/EC Form
2016-2019 Inspection Checklists

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
625 Broadway, 11th Floor, Albany, NY 12233-7020
P: (518)402-9543 | F: (518)402-9547
www.dec.ny.gov

4/2/2019

Martin Ginsburg
Managing Member
Harbor Square Crossings, LLC
c/o Ginsburg Development Companies LLC
100 Summit Lake Drive, Suite 100
Valhalla, NY 10595

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: The Harbor Square Site
Site No.: C360091
Site Address: One Harbor Sq (frmrly Westerly Road)
Ossining, NY 10562

Dear Martin Ginsburg:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **July 15, 2019**. Guidance on the content of a PRR is enclosed.

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

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

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

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

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

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

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

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

You may contact Matthew Hubicki, the Project Manager, at 518-402-9605 or matthew.hubicki@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/ enclosures
Matthew Hubicki, Project Manager
Kevin Carpenter, Section Chief
Dan Bendell, Hazardous Waste Remediation Supervisor, Region 3
SESI Consulting - Michael St. Pierre, PE - msp@sesi.org

Enclosure 1

Certification Instructions

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

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

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

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

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

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

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

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

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

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

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

Site Details **Box 1**

Site No. **C360091**

Site Name The Harbor Square Site

Site Address: One Harbor Sq (frmrly Westerly Road) Zip Code: 10562
City/Town: Ossining
County: Westchester
Site Acreage: 4.550

Reporting Period: April 25, 2016 to June 15, 2019

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	X

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	X	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C360091 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
97.06-1-11.1	Village of Ossining	Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan

1. Groundwater Use Restriction: The use of groundwater underlying the property is prohibited without treatment to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval from the Department and the Westchester County Department of Health.

2. Land Use Restriction: The controlled property as described in the environmental easement is restricted to a commercial use. Vegetable gardens and farming on the controlled property is prohibited.

3. Site Management Plan: Any intrusive activities, including building renovation/expansion, subgrade utility line repair/relocation, and new construction which will cause a disturbance of the soil below the demarcation barrier (e.g. geotextile) must be conducted in accordance with the Department approved Site Management Plan (SMP).

4. Monitoring Plan: Monitor, maintain, and replace as necessary any on-site Groundwater Monitoring Wells, DNAPL Recovery Wells, and sub-slab vapor extraction systems as depicted on Schedule A Survey and as set forth in Section 4 of the Department approved SMP.

97.06-1-9.1	Harbor Square Crossings, LLC	Monitoring Plan Ground Water Use Restriction Landuse Restriction Site Management Plan

1. Groundwater Use Restriction: The use of groundwater underlying the property is prohibited without treatment to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval from the Department and the Westchester County Department of Health.

2. Land Use Restriction: The controlled property as described in the 2016 executed environmental easement and survey is restricted to a restricted-residential and commercial use. Vegetable gardens and farming on the controlled property is prohibited.

3. Site Management Plan: Any intrusive activities, including building renovation/expansion, subgrade utility line repair/relocation, and new construction which will cause a disturbance of the soil below the demarcation barrier (e.g. geotextile) must be conducted in accordance with the Department approved Site Management Plan (SMP).

4. Monitoring Plan: Monitor, maintain, and replace as necessary any on-site Groundwater Monitoring Wells, DNAPL Recovery Wells, and sub-slab vapor extraction systems as depicted on Schedule A Survey and as set forth in Section 4 of the Department approved SMP.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
97.06-1-11.1	Vapor Mitigation Cover System

1. Cover System: Any soil on the property must be covered by a barrier layer approved by the Department such as concrete, asphalt, structures, or a minimum one (1) foot soil cover underlain by a demarcation barrier (e.g. geotextile) for vegetated areas.

2. Vapor Mitigation: Should a building(s) be erected, prior to construction, a Soil Vapor Intrusion (SVI) Investigation shall be conducted in accordance with the applicable guidance in effect at the time of the investigation. If the results of this SVI investigation demonstrate the need for a sub-slab vapor extraction system, an appropriate system shall be designed, constructed and maintained.

Parcel	Engineering Control
3. Groundwater Monitoring Wells: Maintain and replace as necessary, MW-7 and MW-7A, as depicted on Schedule A Survey and as set forth in Section 4 of the Department approved SMP. **97.06-1-9.1**	Vapor Mitigation Cover System Subsurface Barriers

1. Cover System: Any soil on the property must be covered by a barrier layer approved by the Department such as 6 inches of concrete, asphalt, structures, or a minimum of one (1) foot or two (2) foot soil cover for those areas designated uses, commercial or the active park area, underlain by a demarcation barrier (e.g. geotextile) for vegetated areas.

2. Vapor Mitigation: 3 Buildings have been erected with a passive sub-slab depressurization systems. A Soil Vapor Intrusion (SVI) Investigation shall be conducted in accordance with the applicable DOH guidance in effect once the buildings have been in service for at least 30 days with an operating heating and cooling system. If the results of this SVI investigation demonstrate the need for further investigation or an active sub-slab vapor extraction system, the indoor air shall be tested, and if needed, systems shall be upgraded.

3. Subsurface Barriers: Maintain the DNAPL Slurry Wall as depicted on Schedule A Survey and as set forth in Section 4 of the Department Approved Site Management Plan but allow installation of conical pipe piles behind the slurry wall (as described in the Department approved August 2007 Remedial Design).

4. DNAPL Recovery System: Operate and maintain, provide access to the dense non-aqueous phase liquid (DNAPL) Recovery System (e.g. MW-D) as depicted on Schedule A Survey and as set forth in Section 4 of the Department Approved SMP.

5. Groundwater Monitoring Wells: Maintain and replace as necessary groudnwater montioring wells as depicted on Schedule A Survey and as set forth in Section 4 of the Department approved SMP.

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

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

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

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

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

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

YES	NO
☒	☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C360091

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Douglas A. Ramsay (print name) at Harbor Square Crossings, LLC 100 Summit Lake Drive, Valhalla, NY 10595 (print business address),

am certifying as Owner [Harbor Square Crossings, LLC] (Owner or Remedial Party)

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

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

July 9, 2019
Date

IC/EC CERTIFICATIONS

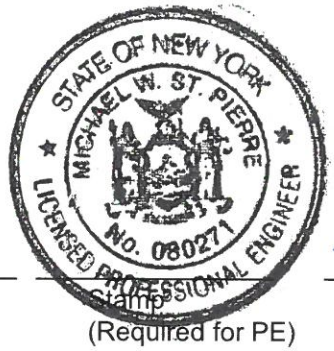
Box 7

Professional Engineer Signature

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

I Michael St. Pierre, PE at SESI Consulting Engineers, DPC
12A Maple Avenue, Pine Brook, NJ 07058,
print name print business address

am certifying as a Professional Engineer for the Harbor Square Crossings, LLC
(Owner or Remedial Party)



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

Stamp (Required for PE)

7/9/19
Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated

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

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

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

ATTACHMENT C – INSPECTION CHECKLIST

HARBOR SQUARE WATERFRONT
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT # 7173

COMPOSITE COVER SYSTEM

- Is the integrity of the cover system in tact? Yes _X_ No ___
- Do the maintenance records indicate any invasive subsurface work has been completed after the last inspection? Yes ___ No _X_
- Has any soil been removed or imported from the Site since the last inspection? Yes ___ No _X_
- If soil has been disposed off-Site or imported, has this been completed in accordance with the NYSDEC approved Soil Management Plan for the Site? Yes ___ No ___(N/A)
- If subsurface invasive work was undertaken, has the demarcation geotextile and the "clean soil cover" been restored? Yes ___ No ___(N/A)
- Did a Professional Engineer or a qualified environmental professional (approved by the NYSDEC) oversee the above work? Yes _X_ No ___
- Was NYSDEC notified of disturbances to the "Clean Soil Cover"? Yes ___ No ___(N/A)

SLURRY WALL

- Have DNAPL monitoring /recovery wells MW-A, MW-B, MW-C1, and MW-C2 been checked/gauged for the presence and thickness of DNAPL? Yes _X_ No ___
- Have the relatively deep monitoring wells MW-6A and MW-7A been checked/gauged for the presence and thickness of DNAPL? Yes _X_ No ___
- Have any product seeps been observed along the property lines abutting the Hudson River and Sing Sing Kill? Yes ___ No _X_
- If indications of DNAPL were observed in any of the above instances, has the NYSDEC been notified? Yes ___ No ___(N/A)

*Inspection conducted May 23, 2017 by NL, DC.
Cloudy, 65ºF

ATTACHMENT C – INSPECTION CHECKLIST

HARBOR SQUARE WATERFRONT
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT # 7173

SUB-SLAB VENTING/DEPRESSURIZATION SYSTEM (SSDS)

- Is the SSDS operating as designed? Yes _X_ No ___

- Do the maintenance records indicate any problems since the last inspection (e.g., broken vent pipes, clogged sub-slab drainage pipes, odors reported by residents and others etc.) Yes ___ No ___(N/A)

- Did an inspection of the concrete slab above the SSDS indicate new cracks or other breaches (e.g., new utilities going through the slab, etc.)? Yes ___ No _X_

- Have the cracks been sealed? Yes ___ No ___(N/A)

- Is the labeling associated with the system in tact? Yes _X_ No ___

- Has the annual indoor sampling been completed? Yes ___ No ___(N/A)

- Has the NYSDEC been notified of any problem with the SSDS? Yes ___ No ___(N/A)

MONITORING WELL NETWORK

- Are all the on-Site monitoring wells accessible for annual compliance sampling (i.e., they are not covered by soil, dumpsters, etc.)? Yes _X_ No ___

  See notes below

- Is the integrity of the flush-mount manhole covers and associated concrete pads intact? Yes _X_ No ___

- Are the monitoring wells locked and the locks functioning? Yes ___ No _X_

MW-4 was lost during construction activities within the June 15, 2016 to June 15, 2017 reporting period. The NYSDEC determined that MW-4 does not need to be replaced, as documented in an email dated December 19, 2016.

The casing of MW-6A was flooded, but the well itself was not compromised. Facilities Manager Quinn Martin (Harbor Square) reported that during saturated ground conditions, the concrete pad is susceptible to movement and expels water around its perimeter when stood on.

MW-2 and MW-2A need small locks on the watertight caps. Uniform locks needed throughout all monitoring wells.

PERIODIC REVIEW REPORT – INSPECTION CHECKLIST

HARBOR SQUARE WATERFRONT
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT # 7173

COMPOSITE COVER SYSTEM

- Is the integrity of the cover system in tact? Yes _X_ No ___
- Do the maintenance records indicate any invasive subsurface work has been completed after the last inspection? Yes ___ No _X_
- Has any soil been removed or imported from the Site since the last inspection? Yes ___ No _X_
- If soil has been disposed off-Site or imported, has this been completed in accordance with the NYSDEC approved Soil Management Plan for the Site? Yes ___ No ___(N/A)
- If subsurface invasive work was undertaken, has the demarcation geotextile and the "clean soil cover" been restored? Yes ___ No ___(N/A)
- Did a Professional Engineer or a qualified environmental professional (approved by the NYSDEC) oversee the above work? Yes ___ No ___(N/A)
- Was NYSDEC notified of disturbances to the "Clean Soil Cover"? Yes ___ No ___(N/A)

SLURRY WALL

- Have DNAPL monitoring /recovery wells MW-A, MW-B, MW-C1, and MW-C2 been checked/gauged for the presence and thickness of DNAPL? Yes _X_ No ___
- Have the relatively deep monitoring wells MW-6A and MW-7A been checked/gauged for the presence and thickness of DNAPL? Yes _X_ No ___
- Have any product seeps been observed along the property lines abutting the Hudson River and Sing Sing Kill? Yes ___ No _X_
- If indications of DNAPL were observed in any of the above instances, has the NYSDEC been notified? Yes ___ No ___(N/A)

*Inspection conducted June 5, 2018 by NL.
Mostly Cloudy, 70ºF

PERIODIC REVIEW REPORT – INSPECTION CHECKLIST

HARBOR SQUARE WATERFRONT
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT # 7173

SUB-SLAB VENTING/DEPRESSURIZATION SYSTEM (SSDS)

- Is the SSDS operating as designed? Yes _X_ No ___

- Do the maintenance records indicate any problems since the last inspection (e.g., broken vent pipes, clogged sub-slab drainage pipes, odors reported by residents and others etc.) Yes ___ No _X_

- Did an inspection of the concrete slab above the SSDS indicate new cracks or other breaches (e.g., new utilities going through the slab, etc.)? Yes ___ No _X_

- Have the cracks been sealed? Yes ___ No ___(N/A)

- Is the labeling associated with the system in tact? Yes _X_ No ___

- Has the annual indoor sampling been completed? Yes _X_ No ___

- Has the NYSDEC been notified of any problem with the SSDS? Yes ___ No ___(N/A)

MONITORING WELL NETWORK

- Are all the on-Site monitoring wells accessible for annual compliance sampling (i.e., they are not covered by soil, dumpsters, etc.)? Yes _X_ No ___

  See notes below

- Is the integrity of the flush-mount manhole covers and associated concrete pads intact? Yes ___ No _X_

- Are the monitoring wells locked and the locks functioning? Yes ___ No _X_

The manhole cover of MW-6A was flooded, but the well itself was not compromised. Facilities Manager Quinn Martin (Harbor Square) reported that during saturated ground conditions, the concrete pad is susceptible to movement and expels water around its perimeter when stood on. MW-6A is located in a landscape grass area.

MW-2 and MW-2A need small locks on the watertight caps. Matching locks needed throughout all monitoring wells.

PERIODIC REVIEW REPORT – INSPECTION CHECKLIST

HARBOR SQUARE WATERFRONT
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT # 7173

COMPOSITE COVER SYSTEM

- Is the integrity of the cover system in tact? Yes _X_ No ___
- Do the maintenance records indicate any invasive subsurface work has been completed after the last inspection? Yes ___ No _X_
- Has any soil been removed or imported from the Site since the last inspection? Yes ___ No _X_
- If soil has been disposed off-Site or imported, has this been completed in accordance with the NYSDEC approved Soil Management Plan for the Site? Yes ___ No ___(N/A)
- If subsurface invasive work was undertaken, has the demarcation geotextile and the "clean soil cover" been restored? Yes ___ No ___(N/A)
- Did a Professional Engineer or a qualified environmental professional (approved by the NYSDEC) oversee the above work? Yes ___ No ___(N/A)
- Was NYSDEC notified of disturbances to the "Clean Soil Cover"? Yes ___ No ___(N/A)

SLURRY WALL

- Have DNAPL monitoring /recovery wells MW-A, MW-B, MW-C1, and MW-C2 been checked/gauged for the presence and thickness of DNAPL? Yes _X_ No ___
- Have the relatively deep monitoring wells MW-6A and MW-7A been checked/gauged for the presence and thickness of DNAPL? Yes _X_ No ___
- Have any product seeps been observed along the property lines abutting the Hudson River and Sing Sing Kill? Yes ___ No _X_
- If indications of DNAPL were observed in any of the above instances, has the NYSDEC been notified? Yes ___ No ___(N/A)

*Inspection conducted on June 27, 2019 by SPB.
Sunny, 88ºF

PERIODIC REVIEW REPORT – INSPECTION CHECKLIST

HARBOR SQUARE WATERFRONT
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT # 7173

SUB-SLAB VENTING/DEPRESSURIZATION SYSTEM (SSDS)

- Is the SSDS operating as designed? Yes _X_ No ___
- Do the maintenance records indicate any problems since the last inspection (e.g., broken vent pipes, clogged sub-slab drainage pipes, odors reported by residents and others etc.) Yes ___ No _X_
- Did an inspection of the concrete slab above the SSDS indicate new cracks or other breaches (e.g., new utilities going through the slab, etc.)? Yes ___ No _X_
- Have the cracks been sealed? Yes ___ No ___(N/A)
- Is the labeling associated with the system in tact? Yes _X_ No ___
- Has the annual indoor sampling been completed? Yes __ No ___ (N/A)
- Has the NYSDEC been notified of any problem with the SSDS? Yes ___ No ___(N/A)

MONITORING WELL NETWORK

- Are all the on-Site monitoring wells accessible for annual compliance sampling (i.e., they are not covered by soil, dumpsters, etc.)? Yes _X_ No ___
- Is the integrity of the flush-mount manhole covers and associated concrete pads intact? Yes _X_ No __
- Are the monitoring wells locked and the locks functioning? Yes _X_ No __

Attachment C
SESI Inspector Field Report – MW Restorative Activities (October 5, 2018)

SESI CONSULTING ENGINEERS

12A MAPLE AVENUE
PINE BROOK, NJ 07058
(973) 808-9050
www.SESI.org

DATE: October 5, 2018	JOB NO. 7173
PROJECT: Harbor Square	
LOCATION: Ossining, New York	
CONTRACTOR: Arcadis	
NYCBC REF.:	
APPROVED PLAN REF.:	
OWNER: GDC	
WEATHER: Rainfall	TEMP: 74±
PRESENT AT SITE	
Arcadis - Nadeem: Arrived 9:45	

CONTRACTOR, LABOR & EQUIPMENT	
QUANTITY	DESCRIPTION

CHARGABLE EQUIPMENT USED
N/A

FIELD REPORT

On-site: Arrived at 8:30 am

Off-site: Left at 2:00 pm

SESI's on-site visit was to observe the gauging of the recovery wells and to inspect the conditions of the 5 groundwater monitoring wells, upon which restorations were completed, where necessary, to ensure proper functioning of the well networking system. The results of the RW's gauging are as follow. Measurements recorded were Depth to Product, Depth to Water, Total Depth using a Water and Product Level indicator to the depths in Feet below grade. Measurements of Volatile Organic Compounds (VOC's) were recorded using a miniRAE 2000 Photoionization Detector (PID) in units of parts per million (ppm). It should be noted that one of the three bolts closing the cover to RW-C2 was dropped into the well; 2 bolts remain closing the cover. Sampling tubing that was previously stored in RW-D was pulled from the well for disposal.

RW#	DTP	DTW	TD	PID	NOTES
RW-A	Not Detected	4.88'	32.83'	3.7	Visible Product
RW-B	Not Detected	10.34'	38.45'	0.0	Tested at 10:55
RW-C1	Not detected	5.91'	30.09'	0.0	Tested at 10:25
RW-C2	Not Detected	8.63'	40.13'	0.0	Tested at 10:15
RW-D	Not Detected	3.71'	41.48'	14.7	Visible Product

Inspection Results: Satisfactory.

If any discrepancies from previous inspection, please note: None.

SESI was also on site to ensure each of the monitoring wells (MW-2, MW-2A, MW-6A, MW-6B, and MW-7A) had caps and locks and were in proper condition.

Each monitoring well had a cap. MW-2A was the only well that was missing a lock; a lock was installed prior to our departure.

Notes on MW-6A:

Upon arrival, it appeared that MW-6A would require special attention as the manhole cover did not fit properly in the rim and could not be fastened down with two bolts. Only one bolt keeping the cover attached. Author did not have a key for the currently installed lock, but after replacing both cap and lock, the manhole cover fit properly.

Attachment D
Groundwater Analytical Results & Geochemical Parameters (2007-2018)

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A
LAB ID:			07110833-01	AC51902-008	AC58765-006	AC65207-011	AC72263-007	AC78779-001	AC84603-001	AC91349-006	AC98051-005	460-157702-4	460-183874-1	07110833-07	AC51902-007	AC58765-010	AC65207-012	AC72263-001
DATE COLLECTED:			11/26/2007	5/25/2010	4/29/2011	4/9/2012	5/7/2013	5/20/2014	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	11/26/2007	5/25/2010	4/29/2011	4/9/2012	5/7/2013
Volatile Organics																		
1,1,1-Trichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloro-1,2,2-trifluoroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5	0.04	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NA	5	NA	ND	ND	ND	1.2	ND	2.4	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**36**	ND	ND	ND	ND
1,2-Dichloropropane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NA	5	NA	ND	ND	ND	ND	ND	1.2	ND	ND	ND	NA	NA	ND	ND	ND	ND
1,3-Dichlorobenzene	5	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
1,4-Dichlorobenzene	5	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
2-Butanone	50	50	ND	ND	ND	ND	ND	ND	ND	**640**	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
2-Hexanone	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NA	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
4-Methyl-2-Pentanone	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	NA	2	ND	ND	ND	ND	ND	ND	**440**	ND	ND	ND	**58**	ND	ND	ND	ND
Acrolein	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Acrylonitrile	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Benzene	0.7	1	**10**	**39**	ND	ND	**8.9**	0.67	**17**	ND	ND	ND	ND	**3,300**	**6,400**	**5,100**	**6,500**	**6,400**
Bromodichloromethane	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	50	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	5	ND	ND	ND	ND	3.7	ND	**8.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NA	5	ND	ND	ND	1	2.6	2.9	**6.5**	ND	ND	0.36	ND	ND	ND	ND	ND	ND
M&p-Xylenes	5	5	ND	ND	ND	ND	2.3	ND	1.6	ND	ND	ND	ND	ND	ND	**65**	ND	ND
Methylene chloride	5	5	3	ND	ND	ND	ND	ND	ND	ND	ND	0.36	ND	**100**	ND	ND	ND	ND
Methyl-t-butyl ether	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Butylbenzene	NA	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
N-Propylbenzene	NA	5	NA	ND	ND	ND	ND	ND	1.4	ND	ND	ND	NA	NA	ND	ND	ND	ND
O-Xylene	5	5	ND	ND	ND	ND	1	ND	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	NA	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Styrene	NA	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
T-Butylbenzene	NA	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Tetrachloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	5	**7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)				ND	ND	ND	3.3	ND	5.8	ND	ND	ND	ND	ND	ND	**65**	ND	ND

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
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NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A
LAB ID:			07110833-01	AC51902-008	AC58765-006	AC65207-011	AC72263-007	AC78779-001	AC84603-001	AC91349-006	AC98051-005	460-157702-4	460-183874-1	07110833-07	AC51902-007	AC58765-010	AC65207-012	AC72263-001
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Base Neutral Organics																		
1,2,4-Trichlorobenzene	5	5	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA
1,2-Diphenylhydrazine	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
2,4,5-Trichlorophenol	1	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
2,4,6-Trichlorophenol	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
2,4-Dichlorophenol	1	1	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
2,4-Dimethylphenol	NA	50	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
2,4-Dinitrophenol	5	10	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
2,4-Dinitrotoluene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	50	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
2-Methylnaphthalene	50	NA	ND	ND	ND	ND	ND	ND	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	5	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
2-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	5	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
3&4-Methylphenol	50	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
3,3'-Dichlorobenzidine	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
4-Bromophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	5	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
4-Chloroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	5	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA
Acenaphthene	20	20	**27**	13	**24**	**28**	**40**	**33**	**30**	6.9	12	4	11	ND	ND	ND	ND	ND
Acenaphthylene	20	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	5	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Anthracene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Benzo[a]anthracene	0.002	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	0.002	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic acid	50	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA

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HARBOR SQUARE
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SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A
LAB ID:			07110833-01	AC51902-008	AC58765-006	AC65207-011	AC72263-007	AC78779-001	AC84603-001	AC91349-006	AC98051-005	460-157702-4	460-183874-1	07110833-07	AC51902-007	AC58765-010	AC65207-012	AC72263-001
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Bis(2-Chloroethoxy)methane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)Ether	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroisopropyl)ether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	**51**	ND	ND
Butylbenzylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Chrysene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo[a,h]Anthracene	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-n-octylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.35	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NA	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	10	9	ND	ND	ND	3.4	ND	**32**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
N-Nitroso-Di-N-Propylamine	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1	1	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10**	**11**	ND	ND
Pyrene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Metals																		
Mercury	NA	0.7	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Aluminum			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	ND
Antimony			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Arsenic			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Barium	NA	1000	NA	270	230	160	200	390	190	NA	NA	NA	NA	NA	32	41	ND	ND
Beryllium			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Cadmium			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	2.1	ND	ND
Calcium			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Chromium	NA	50	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Cobalt			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	ND
Copper	NA	200	NA	33	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Iron			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Lead	NA	25	0.034	ND	ND	ND	5.4	ND	ND	NA	NA	NA	NA	ND	ND	5.4	ND	4.3
TCLP Lead			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Magnesium			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Manganese			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Nickel			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Potassium			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Selenium			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Silver			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Sodium			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Thallium			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Vanadium			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Zinc			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	56	ND	ND
PCBS																		
Aroclor-1016			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1262			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
beta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlordane			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDD			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDE			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDT			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Parameters																		
% Solids			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cr (Hexavalent)			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4A	MW-4A	MW-4A	MW-4A	MW-4A
LAB ID:			AC78779-002	AC84603-002	AC91349-005	AC98051-004	460-157702-5	460-183874-2	07110833-02	AC51902-010	AC65207-009	AC72263-008	AC84603-003	AC91349-004	08010442-01	AC51902-009	AC58765-005	AC65207-010	AC72263-002
DATE COLLECTED:			5/20/2014	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	11/26/2007	5/25/2010	4/9/2012	5/7/2013	4/28/2015	5/13/2016	1/15/2008	5/25/2010	4/29/2011	4/9/2012	5/7/2013
Volatile Organics																			
1,1,1-Trichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloro-1,2,2-trifluoroethane	5	5	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5	0.04	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,3-Dichlorobenzene	5	3	ND	ND	ND	ND	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,4-Dichlorobenzene	5	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
2-Butanone	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**4700**	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
2-Hexanone	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
4-Methyl-2-Pentanone	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	NA	ND	ND	ND	ND	34	11	3	15	ND	ND	**2100**	ND	18	ND	ND	ND	ND
Acrolein	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Acrylonitrile	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Benzene	0.7	1	**3,900**	**2,800**	**2,000**	**1,300**	**84**	**120**	**7**	**71**	ND	0.68	ND	ND	**23**	**53**	**2.7**	ND	ND
Bromodichloromethane	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	50	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	7	ND	ND	ND	ND	ND	ND	ND	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND
Isopropylbenzene	NA	5	ND	ND	ND	ND	0.77	1.2	3	ND	1.8	ND	ND	ND	ND	ND	ND	ND	2.4
M&p-Xylenes	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**11**	ND	ND	ND	ND
Methylene chloride	5	5	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	**5**	ND	ND	ND	ND
Methyl-t-butyl ether	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Butylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	1.2
N-Propylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
O-Xylene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**11**	ND	ND	ND	ND
Sec-Butylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	2.8	ND	ND	ND	NA	ND	ND	ND	4
Styrene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
T-Butylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Tetrachloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	5	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	3	ND	ND	ND	ND
Trans-1,2-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4A	MW-4A	MW-4A	MW-4A	MW-4A
LAB ID:			AC78779-002	AC84603-002	AC91349-005	AC98051-004	460-157702-5	460-183874-2	07110833-02	AC51902-010	AC65207-009	AC72263-008	AC84603-003	AC91349-004	08010442-01	AC51902-009	AC58765-005	AC65207-010	AC72263-002
DATE COLLECTED:			5/20/2014	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	11/26/2007	5/25/2010	4/9/2012	5/7/2013	4/28/2015	5/13/2016	1/15/2008	5/25/2010	4/29/2011	4/9/2012	5/7/2013
Base Neutral Organics																			
1,2,4-Trichlorobenzene	5	5	NA	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	NA
1,2-Diphenylhydrazine	NA	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
2,4,5-Trichlorophenol	1	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	NA
2,4-Dichlorophenol	1	1	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	NA
2,4-Dimethylphenol	NA	50	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	NA
2,4-Dinitrophenol	5	10	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	NA
2,4-Dinitrotoluene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	50	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	NA
2-Methylnaphthalene	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17	ND	ND	ND	ND
2-Methylphenol	5	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	NA
2-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	5	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	NA
3&4-Methylphenol	50	NA	NA	NA	NA	2.7	NA	NA	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	NA
3,3'-Dichlorobenzidine	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	NA
4-Bromophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	5	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	NA
4-Chloroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	5	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	NA
Acenaphthene	20	20	ND	ND	ND	ND	ND	ND	6	ND	6	ND	12	ND	9	ND	11	ND	4.7
Acenaphthylene	20	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	5	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Anthracene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Benzo[a]anthracene	0.002	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	0.002	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic acid	50	NA	NA	NA	NA	23	NA	NA	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	NA

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4A	MW-4A	MW-4A	MW-4A	MW-4A
LAB ID:			AC78779-002	AC84603-002	AC91349-005	AC98051-004	460-157702-5	460-183874-2	07110833-02	AC51902-010	AC65207-009	AC72263-008	AC84603-003	AC91349-004	08010442-01	AC51902-009	AC58765-005	AC65207-010	AC72263-002
DATE COLLECTED:			5/20/2014	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	11/26/2007	5/25/2010	4/9/2012	5/7/2013	4/28/2015	5/13/2016	1/15/2008	5/25/2010	4/29/2011	4/9/2012	5/7/2013
Bis(2-Chloroethoxy)methane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)Ether	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroisopropyl)ether	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	NA	ND	3.1	ND	ND
Chrysene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo[a,h]Anthracene	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	1	ND	ND	ND	3	ND	1.1
Diethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-n-octylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	50	ND	ND	ND	ND	ND	ND	5	ND	4.6	ND	6.5	ND	5	ND	4.8	ND	3.4
Hexachlorobenzene	0.35	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NA	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5	ND	**141**	ND	**21**	ND	ND
Nitrobenzene	5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
N-Nitroso-Di-N-Propylamine	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	50	ND	ND	ND	ND	ND	ND	2	ND	6.9	ND	2.2	ND	5	ND	ND	ND	4.7
Phenol	1	1	ND	ND	ND	**9.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4A	MW-4A	MW-4A	MW-4A	MW-4A
LAB ID:			AC78779-002	AC84603-002	AC91349-005	AC98051-004	460-157702-5	460-183874-2	07110833-02	AC51902-010	AC65207-009	AC72263-008	AC84603-003	AC91349-004	08010442-01	AC51902-009	AC58765-005	AC65207-010	AC72263-002
DATE COLLECTED:			5/20/2014	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	11/26/2007	5/25/2010	4/9/2012	5/7/2013	4/28/2015	5/13/2016	1/15/2008	5/25/2010	4/29/2011	4/9/2012	5/7/2013
Metals																			
Mercury	NA	0.7	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Aluminum			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Antimony			ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Arsenic			ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	2.5	NA	NA	ND	ND	ND	ND
Barium	NA	1000	ND	ND	NA	NA	NA	NA	NA	500	430	330	380	NA	NA	260	210	270	400
Beryllium			ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Cadmium			ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Calcium			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Chromium	NA	50	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Cobalt			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Copper	NA	200	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Iron			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Lead	NA	25	ND	ND	NA	NA	NA	NA	0.061	**28**	**72**	9	4.9	NA	0.042	11	**31**	**26**	**27**
TCLP Lead			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Magnesium			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Manganese			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Nickel			ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Potassium			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Selenium			ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Silver			ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Sodium			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Thallium			ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Vanadium			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Zinc			ND	ND	NA	NA	NA	NA	NA	ND	63	ND	ND	NA	NA	ND	ND	ND	ND
PCBS																			
Aroclor-1016			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1262			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
beta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlordane			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDD			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDE			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDT			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Parameters																			
% Solids			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cr (Hexavalent)			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B
LAB ID:			08010442-02	AC51902-006	AC58765-008	AC65207-004	AC72263-009	AC84603-004	AC91349-002	AC98051-002	460-157702-3	460-183874-3	08010442-03	AC51902-005	AC58765-007	AC65207-005	AC72263-003	AC84603-005
DATE COLLECTED:			1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	4/28/2015
Volatile Organics																		
1,1,1-Trichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloro-1,2,2-trifluoroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5	0.04	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NA	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NA	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5	3	ND	ND	ND	ND	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
2-Butanone	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28
2-Chloroethylvinylether	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
2-Hexanone	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NA	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	NA	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	32
Acrolein	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
Acrylonitrile	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
Benzene	0.7	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	50	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND
Chloroform	7	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND
M&p-Xylenes	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	5	**6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	ND
Methyl-t-butyl ether	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Butylbenzene	NA	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
N-Propylbenzene	NA	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
O-Xylene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	NA	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
Styrene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
T-Butylbenzene	NA	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
Tetrachloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B
LAB ID:			08010442-02	AC51902-006	AC58765-008	AC65207-004	AC72263-009	AC84603-004	AC91349-002	AC98051-002	460-157702-3	460-183874-3	08010442-03	AC51902-005	AC58765-007	AC65207-005	AC72263-003	AC84603-005
DATE COLLECTED:			1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	4/28/2015
Base Neutral Organics																		
1,2,4-Trichlorobenzene	5	5	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA
1,2-Diphenylhydrazine	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	1	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA
2,4-Dichlorophenol	1	1	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA
2,4-Dimethylphenol	NA	50	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA
2,4-Dinitrophenol	5	10	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA
2,4-Dinitrotoluene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	50	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA
2-Methylnaphthalene	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	5	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA
2-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	5	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA
3&4-Methylphenol	50	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA
3,3'-Dichlorobenzidine	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA
4-Bromophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	5	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA
4-Chloroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	5	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
Acenaphthene	20	20	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	20	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	5	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
Anthracene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND
Benzo[a]anthracene	0.002	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	0.002	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic acid	50	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B
LAB ID:			08010442-02	AC51902-006	AC58765-008	AC65207-004	AC72263-009	AC84603-004	AC91349-002	AC98051-002	460-157702-3	460-183874-3	08010442-03	AC51902-005	AC58765-007	AC65207-005	AC72263-003	AC84603-005
DATE COLLECTED:			1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	4/28/2015
Bis(2-Chloroethoxy)methane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)Ether	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroisopropyl)ether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
Chrysene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo[a,h]Anthracene	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-n-octylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND
Fluorene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.35	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NA	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
N-Nitroso-Di-N-Propylamine	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	50	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.2	ND	ND

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B
LAB ID:			08010442-02	AC51902-006	AC58765-008	AC65207-004	AC72263-009	AC84603-004	AC91349-002	AC98051-002	460-157702-3	460-183874-3	08010442-03	AC51902-005	AC58765-007	AC65207-005	AC72263-003	AC84603-005
DATE COLLECTED:			1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	4/28/2015
Metals																		
Mercury	NA	0.7	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**11**	ND	ND
Aluminum			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
Antimony			NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	16	ND	**3.6**
Arsenic			NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	28	ND	5.7
Barium	NA	1000	NA	200	120	130	300	150	NA	NA	NA	NA	NA	220	110	390	240	150
Beryllium			NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND
Cadmium			NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	5.2	ND	3.6
Calcium			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
Chromium	NA	50	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**200**	ND	ND
Cobalt			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
Copper	NA	200	NA	ND	29	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**470**	ND	ND
Iron			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
Lead	NA	25	0.06	18	**100**	ND	6.3	ND	NA	NA	NA	NA	0.506	10	**42**	**760**	20	11
TCLP Lead			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
Magnesium			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
Manganese			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
Nickel			NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND
Potassium			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
Selenium			NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND
Silver			NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	52	ND	ND
Sodium			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
Thallium			NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND
Vanadium			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
Zinc			NA	ND	72	ND	ND	ND	NA	NA	NA	NA	NA	ND	65	1000	ND	ND
PCBS																		
Aroclor-1016			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1262			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
beta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlordane			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDD			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDE			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDT			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Parameters																		
% Solids			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cr (Hexavalent)			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-6B	MW-6B	MW-6B	MW-6B	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A
LAB ID:			AC91349-001	AC98051-001	460-157702-2	460-183874-4	08010442-05	AC51902-003	AC58765-004	AC65207-001	AC72263-004	08010442-04	AC51902-004	AC58765-001	AC65207-002	AC72263-012	AC78754-002	AC84603-006	AC91349-003
DATE COLLECTED:			5/13/2016	5/23/2017	6/5/2018	6/6/2019	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	5/19/2014	4/28/2015	5/13/2016
Volatile Organics																			
1,1,1-Trichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloro-1,2,2-trifluoroethane	5	5	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5	0.04	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NA	5	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NA	5	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5	3	ND	ND	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	5	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NA	5	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	NA	ND	ND	ND	ND	10	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	ND
Acrolein	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Benzene	0.7	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	50	60	ND	ND	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND
M&p-Xylenes	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	5	ND	ND	ND	ND	**5**	ND	ND	ND	ND	**5**	ND	ND	ND	ND	ND	ND	ND
Methyl-t-butyl ether	NA	10	ND	ND	ND	ND	ND	0.65	ND	ND	ND	2	1.5	0.79	0.87	ND	ND	0.77	ND
N-Butylbenzene	NA	5	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
N-Propylbenzene	NA	5	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
O-Xylene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	NA	5	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Styrene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
T-Butylbenzene	NA	5	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-6B	MW-6B	MW-6B	MW-6B	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A
LAB ID:			AC91349-001	AC98051-001	460-157702-2	460-183874-4	08010442-05	AC51902-003	AC58765-004	AC65207-001	AC72263-004	08010442-04	AC51902-004	AC58765-001	AC65207-002	AC72263-012	AC78754-002	AC84603-006	AC91349-003
DATE COLLECTED:			5/13/2016	5/23/2017	6/5/2018	6/6/2019	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	5/19/2014	4/28/2015	5/13/2016
Base Neutral Organics																			
1,2,4-Trichlorobenzene	5	5	NA	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	1	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA
2,4-Dichlorophenol	1	1	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	50	NA	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA
2,4-Dinitrophenol	5	10	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	50	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA
2-Methylnaphthalene	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	ND	ND
2-Methylphenol	5	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA
2-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	5	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA
3&4-Methylphenol	50	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	5	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA
4-Chloroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	5	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA
Acenaphthene	20	20	ND	ND	ND	ND	ND	7.7	ND	ND	4.2	ND	**83**	**68**	**65**	**47**	**41**	**59**	**22**
Acenaphthylene	20	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**55**	ND	ND	ND	ND	ND	ND	ND
Aniline	5	5	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	8	5.7	6.4	2.8	5.5	6.8	6.1	2.1
Benzidine	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	0.002	NA	ND	ND	ND	ND	ND	**2.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	0.002	NA	ND	ND	ND	ND	ND	**2.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	**2.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic acid	50	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-6B	MW-6B	MW-6B	MW-6B	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A
LAB ID:			AC91349-001	AC98051-001	460-157702-2	460-183874-4	08010442-05	AC51902-003	AC58765-004	AC65207-001	AC72263-004	08010442-04	AC51902-004	AC58765-001	AC65207-002	AC72263-012	AC78754-002	AC84603-006	AC91349-003
DATE COLLECTED:			5/13/2016	5/23/2017	6/5/2018	6/6/2019	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	5/19/2014	4/28/2015	5/13/2016
Bis(2-Chloroethoxy)methane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)Ether	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroisopropyl)ether	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	0.002	ND	ND	ND	ND	ND	**3.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo[a,h]Anthracene	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**12**	**11**	**6.4**	**9.8**	**9.6**	**12**	4.3
Diethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-n-octylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	50	ND	ND	ND	ND	4	6.2	ND	ND	ND	5	5	5.6	5.9	5.1	6	4.8	ND
Fluorene	50	50	ND	ND	ND	ND	ND	3.1	ND	ND	ND	28	30	24	10	19	19	23	8.5
Hexachlorobenzene	0.35	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NA	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	7	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-Di-N-Propylamine	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Phenanthrene	50	50	ND	ND	ND	ND	ND	3.2	ND	ND	ND	33	36	31	ND	ND	35	31	12
Phenol	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**27**	ND	NA	NA
Pyrene	50	50	ND	ND	ND	ND	5	7.8	ND	ND	ND	4	4	4.7	4.5	4	4	4.1	ND

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-6B	MW-6B	MW-6B	MW-6B	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A
LAB ID:			AC91349-001	AC98051-001	460-157702-2	460-183874-4	08010442-05	AC51902-003	AC58765-004	AC65207-001	AC72263-004	08010442-04	AC51902-004	AC58765-001	AC65207-002	AC72263-012	AC78754-002	AC84603-006	AC91349-003
DATE COLLECTED:			5/13/2016	5/23/2017	6/5/2018	6/6/2019	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	5/19/2014	4/28/2015	5/13/2016
Metals																			
Mercury	NA	0.7	NA	NA	NA	NA	NA	0.44	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA
Aluminum			NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Antimony			NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA
Arsenic			NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA
Barium	NA	1000	NA	NA	NA	NA	NA	280	180	130	150	NA	210	220	200	210	220	150	NA
Beryllium			NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA
Cadmium			NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA
Calcium			NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Chromium	NA	50	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA
Cobalt			NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Copper	NA	200	NA	NA	NA	NA	NA	78	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA
Iron			NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Lead	NA	25	NA	NA	NA	NA	**271**	**610**	5.9	5.1	4.9	0.107	ND	5.4	7.9	7.3	ND	ND	NA
TCLP Lead			NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Magnesium			NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Manganese			NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Nickel			NA	NA	NA	NA	NA	20	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA
Potassium			NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Selenium			NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA
Silver			NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA
Sodium			NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Thallium			NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA
Vanadium			NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Zinc			NA	NA	NA	NA	NA	360	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA
PCBS																			
Aroclor-1016			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1262			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
beta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlordane			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDD			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDE			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDT			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Parameters																			
% Solids			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cr (Hexavalent)			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-7A	MW-7A	MW-7A
LAB ID:			AC98051-003	460-157702-1	460-183874-5
DATE COLLECTED:			5/23/2017	6/5/2018	6/6/2019
Volatile Organics					
1,1,1-Trichloroethane	5	5	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	5	ND	ND	ND
1,1,2-trichloro-1,2,2-trifluoroethane	5	5	ND	ND	NA
1,1,2-Trichloroethane	NA	1	ND	ND	ND
1,1-Dichloroethane	5	5	ND	ND	ND
1,1-Dichloroethene	5	5	ND	ND	ND
1,2,3-Trichloropropane	5	0.04	ND	ND	NA
1,2,4-Trimethylbenzene	NA	5	ND	ND	NA
1,2-Dichlorobenzene	4.7	3	ND	ND	ND
1,2-Dichloroethane	5	0.6	ND	ND	ND
1,2-Dichloropropane	NA	1	ND	ND	ND
1,3,5-Trimethylbenzene	NA	5	ND	ND	NA
1,3-Dichlorobenzene	5	3	ND	0.94	ND
1,3-Dichloropropane	5	5	ND	ND	NA
1,4-Dichlorobenzene	5	3	ND	ND	ND
1,4-Dioxane	NA	NA	ND	ND	ND
2-Butanone	50	50	ND	ND	ND
2-Chloroethylvinylether	NA	NA	ND	ND	NA
2-Hexanone	NA	50	ND	ND	ND
4-Isopropyltoluene	NA	5	ND	ND	NA
4-Methyl-2-Pentanone	50	NA	ND	ND	ND
Acetone	50	NA	ND	ND	ND
Acrolein	NA	NA	ND	ND	NA
Acrylonitrile	NA	NA	ND	ND	NA
Benzene	0.7	1	ND	ND	ND
Bromodichloromethane	NA	50	ND	ND	ND
Bromoform	NA	50	ND	ND	ND
Bromomethane	NA	5	ND	ND	ND
Carbon disulfide	50	60	ND	ND	ND
Carbon tetrachloride	5	5	ND	ND	ND
Chlorobenzene	5	5	ND	ND	ND
Chloroethane	50	5	ND	ND	ND
Chloroform	7	7	ND	ND	ND
Chloromethane	NA	NA	ND	ND	ND
Cis-1,2-Dichloroethene	NA	5	ND	ND	ND
Cis-1,3-Dichloropropene	NA	0.4	ND	ND	ND
Dibromochloromethane	50	50	ND	ND	ND
Dichlorodifluoromethane	NA	5	ND	ND	ND
Ethylbenzene	5	5	ND	ND	ND
Isopropylbenzene	NA	5	ND	ND	ND
M&p-Xylenes	5	5	ND	ND	ND
Methylene chloride	5	5	ND	ND	ND
Methyl-t-butyl ether	NA	10	ND	0.71	0.97
N-Butylbenzene	NA	5	ND	ND	NA
N-Propylbenzene	NA	5	ND	ND	NA
O-Xylene	5	5	ND	ND	ND
Sec-Butylbenzene	NA	5	ND	ND	NA
Styrene	NA	5	ND	ND	NA
T-Butyl Alcohol	NA	NA	ND	ND	NA
T-Butylbenzene	NA	5	ND	ND	NA
Tetrachloroethene	5	5	ND	ND	ND
Toluene	5	5	ND	ND	ND
Trans-1,2-Dichloroethene	5	5	ND	ND	ND
Trans-1,3-Dichloropropene	NA	0.4	ND	ND	ND
Trichloroethene	5	5	ND	ND	ND
Trichlorofluoromethane	NA	5	ND	ND	ND
Vinyl chloride	2	2	ND	ND	ND
Xylenes (Total)			ND	ND	ND

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
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SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-7A	MW-7A	MW-7A
LAB ID:			AC98051-003	460-157702-1	460-183874-5
DATE COLLECTED:			5/23/2017	6/5/2018	6/6/2019
Base Neutral Organics					
1,2,4-Trichlorobenzene	5	5	NA	NA	NA
1,2-Diphenylhydrazine	NA	ND	ND	ND	NA
2,4,5-Trichlorophenol	1	NA	NA	NA	ND
2,4,6-Trichlorophenol	NA	NA	NA	NA	ND
2,4-Dichlorophenol	1	1	NA	NA	ND
2,4-Dimethylphenol	NA	50	NA	NA	ND
2,4-Dinitrophenol	5	10	NA	NA	ND
2,4-Dinitrotoluene	NA	5	ND	ND	ND
2,6-Dinitrotoluene	5	5	ND	ND	ND
2-Chloronaphthalene	NA	10	ND	ND	ND
2-Chlorophenol	50	NA	NA	NA	ND
2-Methylnaphthalene	50	NA	ND	ND	ND
2-Methylphenol	5	NA	NA	NA	ND
2-Nitroaniline	5	5	ND	ND	ND
2-Nitrophenol	5	NA	NA	NA	ND
3&4-Methylphenol	50	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	5	ND	ND	ND
3-Nitroaniline	5	5	ND	ND	ND
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	ND
4-Bromophenyl-phenylether	NA	NA	ND	ND	ND
4-Chloro-3-methylphenol	5	NA	NA	NA	ND
4-Chloroaniline	5	5	ND	ND	ND
4-Chlorophenyl-phenylether	NA	NA	ND	ND	ND
4-Nitroaniline	NA	5	ND	ND	ND
4-Nitrophenol	5	NA	NA	ND	ND
Acenaphthene	20	20	**49**	19	**39**
Acenaphthylene	20	NA	ND	ND	ND
Aniline	5	5	ND	ND	NA
Anthracene	50	50	6.7	ND	4.5
Benzidine	NA	NA	ND	ND	ND
Benzo[a]anthracene	0.002	NA	ND	ND	ND
Benzo[a]pyrene	0.002	NA	ND	ND	ND
Benzo[b]fluoranthene	0.002	0.002	ND	ND	ND
Benzo[g,h,i]perylene	5	NA	ND	ND	ND
Benzo[k]fluoranthene	0.002	0.002	ND	ND	ND
Benzoic acid	50	NA	NA	NA	ND

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-7A	MW-7A	MW-7A
LAB ID:			AC98051-003	460-157702-1	460-183874-5
DATE COLLECTED:			5/23/2017	6/5/2018	6/6/2019
Bis(2-Chloroethoxy)methane	NA	5	ND	ND	ND
Bis(2-Chloroethyl)Ether	NA	1	ND	ND	ND
Bis(2-Chloroisopropyl)ether	NA	NA	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	50	5	ND	ND	ND
Butylbenzylphthalate	50	50	ND	ND	ND
Carbazole	NA	NA	ND	ND	NA
Chrysene	0.002	0.002	ND	ND	ND
Dibenzo[a,h]Anthracene	50	NA	ND	ND	ND
Dibenzofuran	5	NA	**11**	1.3	**7.6**
Diethylphthalate	50	50	ND	ND	ND
Dimethylphthalate	50	50	ND	ND	ND
Di-n-butylphthalate	50	50	ND	ND	ND
DI-n-octylphthalate	50	50	ND	ND	ND
Fluoranthene	50	50	5.3	2.9	4
Fluorene	50	50	21	ND	ND
Hexachlorobenzene	0.35	0.04	ND	ND	ND
Hexachlorobutadiene	NA	0.5	ND	ND	ND
Hexachlorocyclopentadiene	NA	5	ND	ND	ND
Hexachloroethane	NA	5	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002	0.002	ND	ND	ND
Isophorone	50	50	ND	ND	ND
Naphthalene	10	10	ND	ND	ND
Nitrobenzene	5	0.4	ND	ND	ND
N-Nitrosodimethylamine	NA	NA	ND	ND	NA
N-Nitroso-Di-N-Propylamine	NA	NA	ND	ND	ND
N-Nitrosodiphenylamine	NA	50	ND	ND	ND
Pentachlorophenol	1	1	NA	NA	ND
Phenanthrene	50	50	24	ND	ND
Phenol	1	1	NA	NA	ND
Pyrene	50	50	4.1	2.3	1.6

GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-7A	MW-7A	MW-7A
LAB ID:			AC98051-003	460-157702-1	460-183874-5
DATE COLLECTED:			5/23/2017	6/5/2018	6/6/2019
Metals					
Mercury	NA	0.7	NA	NA	NA
Aluminum			NA	NA	NA
Antimony			NA	NA	NA
Arsenic			NA	NA	NA
Barium	NA	1000	NA	NA	NA
Beryllium			NA	NA	NA
Cadmium			NA	NA	NA
Calcium			NA	NA	NA
Chromium	NA	50	NA	NA	NA
Cobalt			NA	NA	NA
Copper	NA	200	NA	NA	NA
Iron			NA	NA	NA
Lead	NA	25	NA	NA	NA
TCLP Lead			NA	NA	NA
Magnesium			NA	NA	NA
Manganese			NA	NA	NA
Nickel			NA	NA	NA
Potassium			NA	NA	NA
Selenium			NA	NA	NA
Silver			NA	NA	NA
Sodium			NA	NA	NA
Thallium			NA	NA	NA
Vanadium			NA	NA	NA
Zinc			NA	NA	NA
PCBS					
Aroclor-1016			NA	NA	NA
Aroclor-1221			NA	NA	NA
Aroclor-1232			NA	NA	NA
Aroclor-1242			NA	NA	NA
Aroclor-1248			NA	NA	NA
Aroclor-1254			NA	NA	NA
Aroclor-1260			NA	NA	NA
Aroclor-1262			NA	NA	NA
Aldrin			NA	NA	NA
Alpha-BHC			NA	NA	NA
beta-BHC			NA	NA	NA
Chlordane			NA	NA	NA
delta-BHC			NA	NA	NA
Dieldrin			NA	NA	NA
Endosulfan I			NA	NA	NA
Endosulfan II			NA	NA	NA
Endosulfan Sulfate			NA	NA	NA
Endrin			NA	NA	NA
Endrin Aldehyde			NA	NA	NA
Endrin Ketone			NA	NA	NA
Gamma-BHC			NA	NA	NA
Heptachlor			NA	NA	NA
Heptachlor Epoxide			NA	NA	NA
Methoxychlor			NA	NA	NA
p,p'-DDD			NA	NA	NA
p,p'-DDE			NA	NA	NA
p,p'-DDT			NA	NA	NA
Toxaphene			NA	NA	NA
Other Parameters					
% Solids			NA	NA	NA
Cyanide			NA	NA	NA
Cr (Hexavalent)			NA	NA	NA

TABLE 1 - SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT # 7173

Well ID #	Date Installed	Depth to Top of Screen (ft.)	PVC Elevation above MSL (ft.)	Date Measured	Total Depth (ft.) bgs	Depth to Product (DNAPL) (ft.)	Depth to Groundwater (ft.)	Product Thickness (ft.)	Corrected Depth to Groundwater (ft.)	Ground Water Elevation above MSL (ft.)	Geochemical Parameters							
											pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp. (°C)	Salinity (%)	Redox Potential (mV)	PID (ppm)
MW-1	12/21/06	5	11.48	11/26/07	13.38	NA	9.42	NA	NA	2.06	7.39	2.39	-0.6	2.60	15.82	1.95	NM	NM
MW-1A	12/22/06	20	11.16	11/26/07	33.16	NM	8.50	NM	NM	2.66	7.58	5.209	97.5	5.61	14.79	3.57	NM	NM
MW-2	12/27/06	5	10.37	11/26/07	13.27	NA	8.10	NA	NA	2.27	7.25	1.968	109.2	3.51	15.10	1.25	NM	NM
MW-2	12/27/06	5	10.37	10/21/08	13.27	NA	7.62	NA	NA	2.75	7.09	2.17	35.5	1.05	18.51	NM	-176.10	0
MW-2	12/27/06	5	10.37	11/20/08	13.27	NA	7.83	NA	NA	2.54	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	12/27/06	5	10.37	5/25/10	13.27	NA	7.82	NA	NA	2.55	7.25	3.72	576	NM	13.24	NM	-164.00	0
MW-2	12/27/06	5	10.37	4/29/11	13.27	NA	7.24	NA	NA	3.13	7.15	3.76	11.1	1.17	10.78	NM	-169.00	0.2
MW-2	12/27/06	5	10.37	4/9/12	14.45	NA	7.20	NA	NA	3.17	7.44	1.86	63.5	8.53	14.12	NM	-92.00	0
MW-2	12/27/06	5	10.37	5/7/13	14.45	NA	7.85	NA	NA	2.52	7.30	2.27	9.5	4.65	13.31	NM	-161.00	0
MW-2	12/27/06	5	10.37	5/20/14	14.44	NA	7.24	NA	NA	3.13	7.80	2.51	2.4	1.26	13.40	NM	-161.00	0
MW-2	12/27/06	5	10.37	4/28/15	14.55	NA	7.67	NA	NA	2.70	6.98	2.80	0.0	0.0	11.60	NM	-188.00	0
MW-2	12/27/06	3.23	8.60	5/13/16	NA	NA	NA	NA	NA	NA	7.62	1.38	8.3	0.81	12.60	NM	-190.80	32.0
MW-2	12/27/06	3.23	8.60	5/23/17	NA	NA	NA	NA	NA	NA	7.32	2.15	8.5	1.33	13.60	NM	-145.90	0.0
MW-2	12/27/06	3.23	8.60	6/5/18	NA	NA	NA	NA	NA	NA	7.19	2.56	4.6	0.56	14.57	NM	-135.30	0.0
MW-2	12/27/06	3.23	8.60	6/6/19	NA	NA	NA	NA	NA	NA	7.55	1.59	49.2	0.00	17.01	NM	-173.00	0.0
MW-2A	12/27/06	15	10.16	11/26/07	35	NA	7.58	NA	NA	2.58	7.64	4.29	43.8	3.38	15.49	2.84	NM	NM
MW-2A	12/27/06	15	10.16	10/21/08	35	NA	7.30	NA	NA	2.86	7.65	2.69	38.5	4.71	17.15	NM	-47.90	0
MW-2A	12/27/06	15	10.16	11/20/08	35	NA	7.50	NA	NA	2.66	NM	NM	NM	NM	NM	NM	NM	NM
MW-2A	12/27/06	15	10.16	5/25/10	35	NA	7.42	NA	NA	2.74	7.33	5.03	470	NM	16.49	NM	-141.00	0
MW-2A	12/27/06	15	10.16	4/29/11	35	NA	7.25	NA	NA	2.91	7.44	4.87	21.2	2.50	19.22	NM	83.00	0
MW-2A	12/27/06	15	10.16	4/9/12	28.5	NA	6.66	NA	NA	3.50	7.39	5.05	42	27.55	8.46	NM	-260.00	0
MW-2A	12/27/06	15	10.16	5/7/13	28.8	NA	6.80	NA	NA	3.36	7.46	4.51	13.1	1.89	22.66	NM	-61.00	0
MW-2A	12/27/06	15	10.16	5/20/14	28.56	NA	6.89	NA	NA	3.27	7.04	4.98	2.8	4.50	16.21	NM	-128.00	0
MW-2A	12/27/06	15	10.16	4/28/15	29.15	NA	6.71	NA	NA	3.45	6.97	5.01	0.0	0.0	13.76	NM	-119.00	0
MW-2A	12/27/06	13.54	8.70	5/13/16	26.95	NA	5.21	NA	NA	3.49	7.31	5.28	56.5	0.68	14.10	NM	-149.90	0.8
MW-2A	12/27/06	13.54	8.70	5/23/17	26.95	NA	10.00	NA	NA	-1.30	7.20	5.00	455.9	1.18	15.40	NM	-123.00	0
MW-2A	12/27/06	13.54	8.70	6/5/18	26.95	NA	5.14	NA	NA	3.56	7.26	4.83	35.2	0.53	14.88	NM	-101.80	0
MW-2A	12/27/06	13.54	8.70	6/6/19	26.95	NA	4.49	NA	NA	4.21	7.40	4.62	35.2	0.00	17.20	NM	-133.00	0
MW-4	12/28/06	7	11.15	11/26/07	12	NA	6.00	NA	NA	5.15	7.67	1.748	40.9	5.98	15.95	1.08	NM	NM
MW-4	12/28/06	7	11.15	10/21/08	12	NA	5.45	NA	NA	5.70	7.25	3.3	683.3	0.10	18.55	NM	689.00	0
MW-4	12/28/06	7	11.15	11/20/08	12	NA	5.63	NA	NA	5.52	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	12/28/06	7	11.15	5/25/10	12	NA	5.70	NA	NA	5.45	7.71	2.47	430	8.97	18.40	NM	-124.00	0
MW-4	12/28/06	7	11.15	4/9/12	13.41	NA	8.60	NA	NA	2.55	7.52	1.46	47.7	2.40	17.83	NM	-141.00	0.3

TABLE 1 - SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT # 7173

Well ID #	Date Installed	Depth to Top of Screen (ft.)	PVC Elevation above MSL (ft.)	Date Measured	Total Depth (ft.) bgs	Depth to Product (DNAPL) (ft.)	Depth to Groundwater (ft.)	Product Thickness (ft.)	Corrected Depth to Groundwater (ft.)	Ground Water Elevation above MSL (ft.)	Geochemical Parameters							
											pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp. (°C)	Salinity (%)	Redox Potential (mV)	PID (ppm)
MW-4	12/28/06	7	11.15	5/7/13	13.43	NA	6.27	NA	NA	4.88	7.47	1.33	16.1	2.75	18.28	NM	-158.00	0.1
MW-4	12/28/06	7	11.15	5/20/14	13.43	NA	6.35	NA	NA	4.80	7.40	1.62	12.3	1.87	20.56	NM	-164.00	NM
MW-4	12/28/06	7	11.15	4/28/15	33.11	NA	9.76	NA	NA	1.39	7.10	2.27	43.5	0.00	13.81	NM	-62.00	0
MW-4	12/28/06	7.15	11.30	5/13/16	29.89	NA	6.49	NA	NA	4.81	7.16	3.21	45.9	0.85	15.80	NM	36.10	1.3
MW-4A	12/20/07	18	9.45	1/15/08	28	NA	6.42	NA	NA	3.03	7.35	1.59	1.43	7.75	11.22	1.13	NM	NM
MW-4A	12/20/07	18	9.45	10/21/08	28	NA	6.76	NA	NA	2.69	6.99	2.981	153	0.41	15.65	NM	-107.20	0
MW-4A	12/20/07	18	9.45	11/20/08	28	NA	6.92	NA	NA	2.53	NM	NM	NM	NM	NM	NM	NM	NM
MW-4A	12/20/07	18	9.45	5/25/10	28	NA	7.11	NA	NA	2.34	7.15	1.91	630	NM	16.60	NM	-114.00	0
MW-4A	12/20/07	18	9.45	4/29/11	28	NA	7.12	NA	NA	2.33	7.11	1.64	80	0.69	13.82	NM	-37.00	0
MW-4A	12/20/07	18	9.45	4/9/12	30.3	NA	6.56	NA	NA	2.89	6.99	1.65	117	5.69	15.95	NM	38.00	0
MW-4A	12/20/07	18	9.45	5/7/13	30.2	NA	7.45	NA	NA	2.00	7.13	1.76	25.00	19.78	19.78	NM	-54.00	0.1
MW-4A	12/20/07	18	9.45	5/20/14	30.26	NA	6.48	NA	NA	2.97	7.45	1.35	24.50	3.57	16.73	NM	-134.00	0
MW-5	12/28/06	7	8.96	11/26/07	15.06	NA	7.25	NA	NA	1.71	7.03	1.036	123	3.78	15.74	0.63	NM	NM
MW-6A	12/20/07	5	8.91	1/15/08	15	NA	6.40	NA	NA	2.51	6.75	5.3	4.75	9.24	10.30	4.04	NM	NM
MW-6A	12/20/07	5	8.91	10/21/08	15	NA	6.34	NA	NA	2.57	6.59	4.548	83.7	0.77	18.09	NM	-69.30	0
MW-6A	12/20/07	5	8.91	11/20/08	15	NA	6.63	NA	NA	2.28	NM	NM	NM	NM	NM	NM	NM	NM
MW-6A	12/20/07	5	8.91	5/24/10	15	NA	6.82	NA	NA	2.09	6.83	4.55	370	NM	16.23	NM	-136.00	0
MW-6A	12/20/07	5	8.91	4/29/11	15	NA	6.32	NA	NA	2.59	6.67	6.43	15.7	0.71	14.08	NM	-113.00	0
MW-6A	12/20/07	5	8.91	4/9/12	17.86	NA	6.72	NA	NA	2.19	6.75	8.89	46.3	1.89	14.69	NM	-116.00	0
MW-6A	12/20/07	5	8.91	5/7/13	17.8	NA	6.92	NA	NA	1.99	6.92	2.24	21.5	2.53	22.36	NM	-92.00	0
MW-6A	12/20/07	5	8.91	5/19/14	17.78	NA	6.77	NA	NA	2.14	7.30	1.22	52.5	3.84	16.00	NM	40.00	0
MW-6A	12/20/07	5	8.91	4/28/15	20.71	NA	10.23	NA	NA	-1.32	7.88	1.49	5.1	0.00	11.20	NM	-62.00	6.2
MW-6A	12/20/07	5.15	9.06	5/13/16	13.51	NA	6.24	NA	NA	2.82	7.58	0.714	8.4	0.76	12.50	NM	-128.50	0
MW-6A	12/20/07	5.15	9.06	5/23/17	13.51	NA	7.19	NA	NA	1.87	6.12	1.000	72.7	7.16	21.90	NM	-24.40	0
MW-6A	12/20/07	5.15	9.06	6/5/18	13.51	NA	6.07	NA	NA	2.99	6.36	1.186	16.6	0.79	14.35	NM	-57.20	0
MW-6A	12/20/07	5.15	9.06	6/6/19	13.51	NA	7.93	NA	NA	1.13	6.71	1.750	20.5	0.00	19.24	NM	-112.00	0
MW-6B	12/20/07	14	9.72	1/15/08	24	NA	7.08	NA	NA	2.64	7.35	2.63	2.4	9.24	9.38	1.98	NM	NM
MW-6B	12/20/07	14	9.72	10/21/08	24	NA	7.11	NA	NA	2.61	6.75	4.42	100.5	0.03	17.56	NM	-119.90	0
MW-6B	12/20/07	14	9.72	11/20/08	24	NA	7.50	NA	NA	2.22	NM	NM	NM	NM	NM	NM	NM	NM
MW-6B	12/20/07	14	9.72	5/24/10	24	NA	7.48	NA	NA	2.24	7.00	2.01	112	NM	14.66	NM	-139.00	0
MW-6B	12/20/07	14	9.72	4/29/11	24	NA	6.82	NA	NA	2.90	6.91	1.09	56.1	0.60	12.54	NM	-96.00	0
MW-6B	12/20/07	14	9.72	4/9/12	26.55	NA	6.40	NA	NA	3.32	6.88	1.84	1000F	8.62	15.70	NM	-87.00	0.1
MW-6B	12/20/07	14	9.72	5/7/13	26.29	NA	6.92	NA	NA	2.80	6.65	5.51	41	0.69	18.72	NM	-116.00	0.2

TABLE 1 - SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT # 7173

Well ID #	Date Installed	Depth to Top of Screen (ft.)	PVC Elevation above MSL (ft.)	Date Measured	Total Depth (ft.) bgs	Depth to Product (DNAPL) (ft.)	Depth to Groundwater (ft.)	Product Thickness (ft.)	Corrected Depth to Groundwater (ft.)	Ground Water Elevation above MSL (ft.)	Geochemical Parameters							
											pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp. (°C)	Salinity (%)	Redox Potential (mV)	PID (ppm)
MW-6B	12/20/07	14	9.72	5/19/14	26.21	NA	6.21	NA	NA	3.51	7.46	5.72	43.3	3.78	14.68	NM	-145.00	0
MW-6B	12/20/07	14	9.72	4/28/15	27.36	NA	9.07	NA	NA	0.65	6.59	4.24	32.9	0.00	13.23	NM	-112.00	0
MW-6B	12/20/07	13	8.72	5/13/16	22.05	NA	6.46	NA	NA	2.26	6.83	3.11	28.7	0.69	13.00	NM	-140.90	0
MW-6B	12/20/07	13	8.72	5/23/17	22.05	NA	6.35	NA	NA	2.37	7.14	1.00	11.2	1.57	12.33	NM	-95.40	0
MW-6B	12/20/07	13	8.72	6/5/18	22.05	NA	5.97	NA	NA	2.75	7.11	1.08	5.1	0.44	13.19	NM	-111.80	0
MW-6B	12/20/07	13	8.72	6/6/19	22.05	NA	6.35	NA	NA	2.37	7.32	0.74	24.8	0.00	16.07	NM	-118.00	0
MW-7	12/29/06	7	10.95	1/15/07	15	NA	8.67	NA	NA	2.28	7.11	0.65	0.586	8.10	10.49	0.45	NM	NM
MW-7	12/29/06	7	10.95	10/21/08	15	NA	8.67	NA	NA	2.28	6.68	1.119	383.1	0.00	18.98	NM	-121.20	0
MW-7	12/29/06	7	10.95	11/20/08	15	NA	9.13	NA	NA	1.82	NM	NM	NM	NM	NM	NM	NM	NM
MW-7	12/29/06	7	10.95	5/24/10	15	NA	8.55	NA	NA	2.40	6.90	1.12	633	NM	12.11	NM	-174.00	0
MW-7	12/29/06	7	10.95	4/29/11	15	NA	5.74	NA	NA	5.21	7.01	0.79	95.1	3.91	13.37	NM	24.00	0
MW-7	12/29/06	7	10.95	4/9/12	14.86	NA	8.15	NA	NA	2.80	6.78	0.88	5.2	2.86	11.79	NM	-69.00	0
MW-7	12/29/06	7	10.95	5/7/13	14.78	NA	8.55	NA	NA	2.40	6.73	1.38	6.6	3.65	12.93	NM	-123.00	0.1
MW-7	12/29/06	7	10.95	5/19/14	14.82	NA	8.57	NA	NA	2.38	8.72	1.17	37.6	7.45	13.53	NM	26.00	0
MW-7	12/29/06	7	10.95	5/23/17	14.82	NA	9.50	NA	NA	1.45	6.77	8.38	7.5	0.33	13.54	NM	-102.30	0
MW-7A	12/20/07	19	11.24	1/15/08	29	NA	9.00	NA	NA	2.24	6.61	3.63	3.19	7.02	11.20	2.64	NM	NM
MW-7A	12/20/07	19	11.24	10/21/08	29	NA	9.02	NA	NA	2.22	6.80	8.997	71.5	0.37	15.09	NM	-135.10	0
MW-7A	12/20/07	19	11.24	11/20/08	29	NA	9.39	NA	NA	1.85	NM	NM	NM	NM	NM	NM	NM	NM
MW-7A	12/20/07	19	11.24	5/24/10	29	NA	8.09	NA	NA	3.15	6.77	4.68	285	NM	13.29	NM	-139.00	0
MW-7A	12/20/07	19	11.24	4/29/11	29	NA	8.74	NA	NA	2.50	6.87	9.21	52.7	1.04	12.79	NM	-128.00	0.1
MW-7A	12/20/07	19	11.24	4/9/12	30.57	NA	8.60	NA	NA	2.64	6.96	10.10	94.2	2.31	12.55	NM	-138.00	0
MW-7A	12/20/07	19	11.24	5/7/13	34.46	NA	8.77	NA	NA	2.47	7.11	9.92	43.1	0.56	18.25	NM	-162.00	0.1
MW-7A	12/20/07	19	11.24	5/19/14	30.45	NA	9.22	NA	NA	2.02	6.67	9.08	1.0	3.11	17.35	NM	-143.00	0
MW-7A	12/20/07	19	11.24	4/28/15	33.09	NA	11.55	NA	NA	-0.31	6.44	7.71	0.0	0.00	13.29	NM	-118.00	0
MW-7A	12/20/07	19.64	11.88	5/13/16	32.28	NA	9.63	NA	NA	2.25	6.94	10.22	12.8	0.69	13.10	NM	-135.30	0
MW-7A	12/20/07	19.64	11.88	6/5/18	32.28	NA	8.88	NA	NA	3.00	6.75	8.22	36.7	0.91	14.07	NM	-90.20	0
MW-7A	12/20/07	19.64	11.88	6/6/19	32.28	NA	9.40	NA	NA	2.48	6.79	0.76	21.0	0.00	17.18	NM	-100.00	0
MW-9	01/04/07	15	9.22	11/26/07	28.75	NA	7.00	NA	NA	2.22	7.15	8.56	44.4	3.43	14.57	6.08	NM	NM

TABLE 1 - SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT # 7173

Well ID #	Date Installed	Depth to Top of Screen (ft.)	PVC Elevation above MSL (ft.)	Date Measured	Total Depth (ft.) bgs	Depth to Product (DNAPL) (ft.)	Depth to Groundwater (ft.)	Product Thickness (ft.)	Corrected Depth to Groundwater (ft.)	Ground Water Elevation above MSL (ft.)	Geochemical Parameters							
											pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp. (°C)	Salinity (%)	Redox Potential (mV)	PID (ppm)

Legend:

* : Corrected depth to ground water = DTW - (t_p * ρ_r)
^{o}C: Degrees Celcius
DTP: Depth to product
DTW: Depth to water
EM: Equipment Malfunction
mV: Milli volts
NA: Not available / applicable
NM: Not measured
NTU: Nephelometric Turbidity Units
ppm: Parts per million
ρ_r: Product Relative Density:
t_p: Product Thickness
mg/L: Milli grams per liter
ms/cm: Milli Siemens per centimeter (mhos/cm)
MSL: Mean sea level

Notes:

Monitoring wells MW-1, MW-1A, MW-3, MW-5, MW-6, MW-8 and MW-9, installed by S&W Redevelopment of North America, LLC, of Syracuse, NY, were either lost to construction activities or were abandoned on 12/12/2007.

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Ossining, NY			**Job Number:**	7173	**WELL I.D.**			
Personnel:	DC, NL			**Date:**	5/23/2017	MW-2			
Stickup? Y/N Distance ground to Stickup	**PID**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	0.0	N/A	N/E	N/A					Peristaltic
Turbidity at collection (NTU):			(Less than 5 NTU is desirable)		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**
Volume Purged (gallons)	**Time (actual Time) 3-minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	13:51	13.70	7.51	2217	1.64	-142.8	12.8	-	N
	13:54	13.60	7.35	2170	0.84	-145.8	10.3	-	N
	13:57	13.60	7.32	2161	0.47	-145.3	14.4	-	N
2.5 gal	14:00	13.60	7.32	2147	1.33	-145.9	8.5	-	N
Well Condition Summary									
Cover: Y / N		**Bolts Y / N**		**Conc Pad OK Y / N**		**Gripper Y / N**			
Sample Collection Information									
Sample Time	**14:00**	**Appearance:**		**Filtered Sample Turbidity:**			**OTHER: DTW not possible due to horizontal bend in well 1ft below mount**		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK						
Sock Length (ft) =	**N/A**	**Capacity (Qt.) =**	**N/A**	**Present:**	**Y / N**	**Product Measured (Inches) :**
Sock Installation Date:			**Sock Changed :**		**Y / N**	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Ossining, NY			**Job Number:**	7173	**WELL I.D.**			
Personnel:	DC, NL			**Date:**	5/23/2017	MW-2A			
Stickup? Y/N Distance ground to Stickup	**PID**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	0.0	18.5	N/E	10.0					Peristaltic
Turbidity at collection (NTU):			(Less than 5 NTU is desirable)		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**
Volume Purged (gallons)	**Time (actual Time) 3-minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	12:57	15.5	7.19	5021	1.02	-118.4	219		N
	13:00	14.8	7.21	4998	0.54	-123.4	645		N
	13:03	14.7	7.21	4999	0.70	-124.3	402.8		N
	13:06	14.9	7.21	4993	0.82	-124.6	679.1		N
	13:09	15.0	7.21	5009	0.85	-125.3	348.6		N
	13:12	15.2	7.20	5005	1.07	-123.6	438.2		N
3 gal	13:15	15.4	7.20	5004	1.18	-123.0	455.9		N
Well Condition Summary									
Cover: Y / N		**Bolts Y / N**		**Conc Pad OK Y / N**		**Gripper Y / N**			
Sample Collection Information									
Sample Time	**13:20**	**Appearance: Turbid, dark**		**Filtered Sample Turbidity:**			**OTHER: Sediment built up at bottom of well. Turbid water observed.**		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK						
Sock Length (ft) =	**N/A**	**Capacity (Qt.) =**	**N/A**	**Present:**	**Y / N**	**Product Measured (Inches) :**
Sock Installation Date:			**Sock Changed :**		**Y / N**	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Ossining, NY			**Job Number:**	7173	**WELL I.D.**			
Personnel:	DC, NL			**Date:**	5/23/2017	MW-6A			
Stickup? Y/N Distance ground to Stickup	**PID**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	0.0	21.83	N/E	7.19					Peristaltic
Turbidity at collection (NTU):			(Less than 5 NTU is desirable)		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**

Volume Purged (gallons)	Time (actual Time) 3-minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	10:00	20.6	6.37	1	7.78	55.8	91		N
	10:03	19.7	6.27	1	7.88	34	94.5		N
	10:06	18.8	6.28	1	8.15	-8.1	99.1		N
	10:09	19.7	6.12	1	7.59	-21.7	97.3		N
	10:12	19.8	6.05	1	7.69	-23.4	108.1		N
	10:15	20.7	6.14	1	7.46	-28.7	92.8		N
	10:18	21.5	6.11	1	7.28	-29.3	69.7		N
	10:21	21.8	6.13	1	7.28	-27.3	60.2		N
	10:24	21.9	6.12	1	7.16	-24.4	72.7		N

Well Condition Summary

Cover: Y / N	**Bolts Y / N**		**Conc Pad OK Y / N**	**Gripper Y / N**	

Sample Collection Information

Sample Time	**10:30**	**Appearance:**	**Filtered Sample Turbidity:**	**OTHER: Entire outer casing filled with water, pad moves if ground saturated**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =	**N/A**	**Capacity (Qt.) =**	**N/A**	**Present:**	**Y / N**	**Product Measured (Inches) :**
Sock Installation Date:			**Sock Changed :**		**Y / N**	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Ossining, NY			**Job Number:**	7173	**WELL I.D.**			
Personnel:	DC, NL			**Date:**	5/23/2017	MW-6B			
Stickup? Y/N Distance ground to Stickup	**PID**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	0.0	13.2	N/E	6.35					Peristaltic
Turbidity at collection (NTU):			(Less than 5 NTU is desirable)		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**

Volume Purged (gallons)	**Time (actual Time) 3-minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	9:12	12.40	7.11	894	1.27	-65.9	19.1		Slight
	9:16	12.30	7.12	922	1.36	-81.1	11.8		Slight
	9:19	12.30	7.13	938	1.46	-90.4	11.8		Slight
	9:23	12.23	7.13	956	1.50	-93.8	10.1		N
3 gal	9:26	12.33	7.14	1000	1.57	-95.4	11.2		N

Well Condition Summary

Cover: Y / N	**Bolts Y / N**		**Conc Pad OK Y / N**	**Gripper Y / N**	

Sample Collection Information

Sample Time	**Appearance:**	**Filtered Sample Turbidity:**		**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =	**N/A**	**Capacity (Qt.) =**	**N/A**	**Present:**	**Y / N**	**Product Measured (Inches) :**
Sock Installation Date:			**Sock Changed :**		**Y / N**	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Ossining, NY			**Job Number:**	7173	**WELL I.D.**			
Personnel:	DC, NL			**Date:**	5/23/2017	MW-7			
Stickup? Y/N Distance ground to Stickup	**PID**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	0.0	32'	N/E	9.5'					Peristaltic
Turbidity at collection (NTU):			(Less than 5 NTU is desirable)		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**

Volume Purged (gallons)	**Time (actual Time) 3-minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	10:42	13.37	6.88	8816	1.20	-102.1	23.1		N
	10:45	13.30	6.88	8808	0.94	-104.9	17.5		N
	10:48	13.28	6.87	8814	0.74	-105.8	27.6		N
	10:50	13.27	6.87	8813	0.60	-106.1	20.6		N
	10:52	13.30	6.87	8779	0.54	-106.6	14.9		N
	10:55	13.34	6.85	8782	0.47	-106.4	25.2		N
	10:58	13.36	6.83	8717	0.44	-105.2	12.8		N
	11:00	13.39	6.82	8685	0.42	-105.0	10.1		N
	11:02	13.40	6.81	8647	0.39	-104.7	10.2		N
	11:04	13.45	6.80	8611	0.39	-104.1	11.2		N
	11:08	13.45	6.79	8516	0.35	-104.1	8.1		N
	11:15	13.51	6.78	8467	0.34	-102.7	13.6		N
3 gal	11:20	13.54	6.77	8383	0.33	-102.3	7.5		N

Well Condition Summary

Cover: Y / N	**Bolts Y / N**		**Conc Pad OK Y / N**	**Gripper Y / N**	

Sample Collection Information

Sample Time	**11:20**	**Appearance:**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =	**N/A**	**Capacity (Qt.) =**	**N/A**	**Present:**	**Y / N**	**Product Measured (Inches) :**
Sock Installation Date:			**Sock Changed :**		**Y / N**	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Ossining, NY			**Job Number:**	7173	**WELL I.D.**			
Personnel:	NL			**Date:**	6/5/2018	MW-2			
Stickup? Y/N Distance ground to Stickup	**PID**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	0.0	N/A	N/E	N/A					Peristaltic
Turbidity at collection (NTU):		4.6	(Less than 5 NTU is desirable)		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 3-minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	12:55	13.44	7.38	2592	0.85	-135.4	167.9	-	N
	12:58	13.50	7.26	2576	0.54	-138.0	88.3	-	N
	13:01	13.94	7.21	2572	0.57	-135.5	72.1	-	N
	13:04	14.41	7.19	2571	0.58	-130.7	48.1	-	N
	13:08	14.50	7.19	2566	0.56	-133.5	2.3	-	N
	13:11	14.57	7.19	2563	0.56	-135.3	4.6	-	N

Well Condition Summary

Cover: Y / N	**Bolts Y / N**		**Conc Pad OK Y / N**	**Gripper Y / N**	

Sample Collection Information

Sample Time	**13:20**	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER: DTW not possible due to horizontal bend in well 1ft below mount**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =	**N/A**	**Capacity (Qt.) =**	**N/A**	**Present:**	**Y / N**	**Product Measured (Inches) :**
Sock Installation Date:			**Sock Changed :**		**Y / N**	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Ossining, NY			**Job Number:**	7173	**WELL I.D.**			
Personnel:	NL			**Date:**	6/5/2018	MW-2A			
Stickup? Y/N Distance ground to Stickup	**PID**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	0.0	25.98	N/E	5.14			15'		Peristaltic
Turbidity at collection (NTU):		35.2	(Less than 5 NTU is desirable)		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**

Volume Purged (gallons)	**Time (actual Time) 3-minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	13:25							5.14	N
	13:35	24.45	7.95	1200	8.30	73.0	35.6		N
	13:38	15.93	7.38	4840	1.46	-89.5	15.9		N
	13:41	15.12	7.33	4849	1.13	-96.1	20.2		N
	13:44	14.99	7.30	4835	0.86	-102.1	27.1		N
	13:47	14.78	7.28	4835	0.69	-103.4	33.1		N
	13:50	14.94	7.27	4829	0.55	-102.8	36.0		N
	13:53	14.88	7.26	4838	0.53	-101.8	35.2		N

Well Condition Summary

Cover: Y / N	**Bolts Y / N**		**Conc Pad OK Y / N**	**Gripper Y / N**	

Sample Collection Information

Sample Time	**14:00**	**Appearance: Mostly Clear**	**Filtered Sample Turbidity:**	**OTHER: Some sediment built up at bottom of well.**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =	**N/A**	**Capacity (Qt.) =**	**N/A**	**Present:**	**Y / N**	**Product Measured (Inches) :**
Sock Installation Date:			**Sock Changed :**		**Y / N**	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Ossining, NY**			**Job Number:**	**7173**	**WELL I.D.**			
Personnel:	**NL**			**Date:**	**6/5/2018**	**MW-6A (Deep)**			
Stickup? Y/N **Distance ground to Stickup**	**PID**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	0.0	**21.86**	**N/E**	**6.07**			**13'**		**Peristaltic**
Turbidity at collection (NTU):		**16.6**	**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**

Volume Purged (gallons)	**Time (actual Time) 3-minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	11:00							**6.07**	**N**
	11:08	**17.13**	**7.24**	**1243**	**4.34**	**-53.1**	**6.4**		**N**
	11:12	**14.35**	**6.66**	**1278**	**1.37**	**-51.0**	**7.7**		**N**
	11:15	**14.68**	**6.55**	**1172**	**1.08**	**-55.7**	**7.3**		**N**
	11:18	**14.78**	**6.51**	**1076**	**1.01**	**-56.5**	**8.1**		**N**
	11:21	**14.96**	**6.47**	**1072**	**0.98**	**-56.7**	**8.0**		**N**
	11:24	**14.93**	**6.43**	**1106**	**0.94**	**-55.9**	**8.1**		**N**
	11:27	**14.84**	**6.41**	**1137**	**0.89**	**-55.9**	**8.3**		**N**
	11:30	**14.79**	**6.39**	**1179**	**0.83**	**-56.5**	**14.0**		**N**
	11:33	**14.52**	**6.38**	**1183**	**0.81**	**-56.8**	**13.1**		**N**
	11:37	**14.35**	**6.36**	**1186**	**0.79**	**-57.2**	**16.6**		**N**

Well Condition Summary

Cover: Y / N	**Bolts Y / N**		**Conc Pad OK Y / N**	**Gripper Y / N**

Sample Collection Information

Sample Time	**11:45**	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER: Entire outer casing filled with water, pad moves if ground saturated**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =	**N/A**	**Capacity (Qt.) =**	**N/A**	**Present:**	**Y / N**	**Product Measured (Inches) :**
Sock Installation Date:			**Sock Changed :**		**Y / N**	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Ossining, NY			**Job Number:**	7173	**WELL I.D.**			
Personnel:	NL			**Date:**	6/5/2018	MW-6B (Shallow)			
Stickup? Y/N Distance ground to Stickup	**PID**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	0.0	13.1	N/E	5.97			9.5		Peristaltic
Turbidity at collection (NTU):		5.1	(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 3-minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	10:10							5.97	Slight
	10:20	14.68	7.87	1256	3.37	-101.4	13.5	7.11	N
	10:23	13.91	7.48	1126	1.1	-106.6	17.7		N
	10:26	13.79	7.38	1076	0.92	-103.4	20.8		N
	10:29	13.45	7.18	1030	0.66	-99.5	9.9		N
	10:32	13.39	7.16	1030	0.62	-99.6	8.4		N
	10:35	13.38	7.13	1042	0.57	-102.1	6.2		N
	10:38	13.23	7.10	1083	0.56	-102.9	6.7		N
	10:41	13.23	7.11	1089	0.48	-108.8	5.2		N
	10:44	13.19	7.11	1089	0.44	-111.8	5.1		N

Well Condition Summary

Cover: Y / N	**Bolts Y / N**		**Conc Pad OK Y / N**	**Gripper Y / N**	

Sample Collection Information

Sample Time	**10:45**	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =	**N/A**	**Capacity (Qt.) =**	**N/A**	**Present:**	**Y / N**	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		**Y / N**		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Ossining, NY	**Job Number:** 7173	**WELL I.D.**
Personnel:	NL	**Date:** 6/5/2018	MW-7A

Stickup? Y/N Distance ground to Stickup	PID	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
	0.0	32.04	N/E	8.88			20'		Peristaltic

Turbidity at collection (NTU):	36.7	(Less than 5 NTU is desirable)	Duplicate Collected? Y/N	Filtered Sample Y/N

Stabilization Parameters	+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 3-minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	8:45							8.88	N
	9:07	13.32	6.83	8293	2.51	-86.4	36.2		N
	9:10	13.10	6.71	8256	1.31	-92.6	50.3		N
	9:13	13.46	6.72	8240	1.07	-94.0	48.2		N
	9:17	13.83	6.73	8233	0.99	-94.1	37.8		N
	9:20	14.09	6.76	8236	0.94	-90.7	32.7		N
	9:23	14.07	6.75	8226	0.91	-90.2	36.7		N

Well Condition Summary

Cover: Y / N	Bolts Y / N		Conc Pad OK Y / N	Gripper Y / N

Sample Collection Information

Sample Time	9:30	Appearance: Slightly Turbid	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =	N/A	Capacity (Qt.) =	N/A	Present:	Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed :		Y / N	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Ossining, NY**			**Job Number:**	**7173**	**WELL I.D.**		**MW-2**	
Personnel:	**DA + JB**			**Date:**	**6/6/2019**				
Stickup? Y/N **Distance ground to Stickup**	**PID**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
		25.98	**N/E**	**N/A**					**Peristaltic**
Turbidity at collection (NTU):			**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**
Volume Purged (gallons)	**Time (actual Time) 5-minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	1340	**17.04**	**7.61**	**1.591**	**0**	**-173**	**124**		
	1345	**17.03**	**7.6**	**1.591**	**0**	**-172**	**90.2**		
	1350	**17.04**	**7.6**	**1.59**	**0**	**-173.0**	**85.9**		
	1355	**17.03**	**7.59**	**1.591**	**0**	**-172**	**86.9**		
	1400	**17.02**	**7.58**	**1.59**	**0**	**-172**	**80.2**		
	1405	**17.02**	**7.58**	**1.59**	**0**	**-173**	**50.9**		
	1410	**17.01**	**7.57**	**1.59**	**0**	**-174**	**50.1**		
	1415	**17.01**	**7.58**	**1.59**	**0**	**-174**	**45.9**		
	1420	**17.01**	**7.55**	**1.59**	**0**	**-173**	**49.2**		
Well Condition Summary									
Cover: Y / N		**Bolts Y / N**		**Conc Pad OK Y / N**		**Gripper Y / N**			
Sample Collection Information									
Sample Time	**1420**	**Appearance:**		**Filtered Sample Turbidity:**			**OTHER:**		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK						
Sock Length (ft) =	**N/A**	**Capacity (Qt.) =**	**N/A**	**Present:**	**Y / N**	**Product Measured (Inches) :**
Sock Installation Date:			**Sock Changed :**		**Y / N**	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Ossining, NY**			**Job Number:**	**7173**	**WELL I.D.**		**MW-2A**	
Personnel:	**DA + JB**			**Date:**	**6/6/2019**				
Stickup? Y/N **Distance ground to Stickup**	**PID**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
		26.7	**N/E**	**4.49**					**Peristaltic**
Turbidity at collection (NTU):			**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**

Volume Purged (gallons)	**Time (actual Time) 5-minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	1240	**17.45**	**7.43**	**4.61**	**0**	**-123**	**110**	**4.49**	
	1245	**17.47**	**7.43**	**4.672**	**0**	**-123**	**112**	**4.51**	
	1250	**17.23**	**7.4**	**4.611**	**0**	**-132.0**	**99**	**4.51**	
	1255	**17.3**	**7.4**	**4.621**	**0**	**-133**	**90**	**4.51**	
	1300	**17.29**	**7.4**	**4.631**	**0**	**-133**	**89.2**	**4.51**	
	1305	**17.25**	**7.41**	**4.621**	**0**	**-134**	**70.1**	**4.51**	
	1310	**17.24**	**7.4**	**4.621**	**0**	**-133**	**55.2**	**4.51**	
	1315	**17.23**	**7.4**	**4.62**	**0**	**-134**	**40.2**	**4.51**	
	1320	**17.2**	**7.41**	**4.62**	**0**	**-133**	**38.5**	**4.51**	
	1325	**17.2**	**7.4**	**4.62**	**0**	**-132**	**36.9**	**4.51**	
	1330	**17.2**	**7.4**	**4.62**	**0**	**-133**	**35.2**	**4.51**	

Well Condition Summary

Cover: Y / N	**Bolts Y / N**		**Conc Pad OK Y / N**	**Gripper Y / N**	

Sample Collection Information

Sample Time	**1330**	**Appearance:**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =	**N/A**	**Capacity (Qt.) =**	**N/A**	**Present:**	**Y / N**	**Product Measured (Inches) :**
Sock Installation Date:			**Sock Changed :**		**Y / N**	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Ossining, NY**			**Job Number:**	**7173**	**WELL I.D.**		**MW-6A**	
Personnel:	**DA + JB**			**Date:**	**6/6/2019**				
Stickup? Y/N **Distance ground to Stickup**	**PID**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	0.3	**22.16**	**N/E**	**7.93**					**Peristaltic**
Turbidity at collection (NTU):			**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**
Volume Purged (gallons)	**Time (actual Time) 5-minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	1055	**18.95**	**6.74**	**1.87**	**0**	**-106**	**18**	**7.93**	
	1100	**19.06**	**6.73**	**1.86**	**0**	**-107**	**15.9**	**7.97**	
	1105	**19.1**	**6.72**	**1.88**	**0**	**-107.0**	**17**	**7.97**	
	1110	**19.12**	**6.72**	**1.88**	**0**	**-108**	**18.8**	**7.97**	
	1115	**19.18**	**6.7**	**1.77**	**0**	**-112**	**19.2**	**7.97**	
	1120	**19.2**	**6.71**	**1.74**	**0**	**-111**	**20.1**	**7.97**	
	1125	**19.21**	**6.7**	**1.75**	**0**	**-111**	**19.5**	**7.97**	
	1130	**19.24**	**6.71**	**1.75**	**0**	**-112**	**20.5**	**7.97**	
Well Condition Summary									
Cover: Y / N		**Bolts Y / N**		**Conc Pad OK Y / N**		**Gripper Y / N**			
Sample Collection Information									
Sample Time	**0:00**	**Appearance:**		**Filtered Sample Turbidity:**			**OTHER:**		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK						
Sock Length (ft) =	**N/A**	**Capacity (Qt.) =**	**N/A**	**Present:**	**Y / N**	**Product Measured (Inches) :**
Sock Installation Date:			**Sock Changed :**		**Y / N**	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Ossining, NY**			**Job Number:**	**7173**	**WELL I.D.**		**MW-6B**	
Personnel:	**DA + JB**			**Date:**	**6/6/2019**				
Stickup? Y/N **Distance ground to Stickup**	**PID**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	0.0	**13.66**	**N/E**	**6.35**					**Peristaltic**
Turbidity at collection (NTU):			**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**
Volume Purged (gallons)	**Time (actual Time) 5-minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	1148	**16.74**	**7.26**	**0.735**	**0**	**-116**	**30.96**	**6.35**	
	1150	**16.23**	**7.33**	**0.705**	**0**	**-115**	**36.6**	**63.5**	
	1155	**16.2**	**7.33**	**0.708**	**0**	**-120.0**	**24.9**	**63.5**	
	1200	**16.15**	**7.33**	**0.712**	**0**	**-108**	**24.8**	**63.5**	
	1205	**16.12**	**7.32**	**0.715**	**0**	**-119**	**23.6**	**63.5**	
	1210	**16.1**	**7.32**	**0.72**	**0**	**-118**	**24.7**	**63.5**	
	1215	**16.08**	**7.32**	**0.725**	**0**	**-117**	**24.3**	**63.5**	
	1220	**16.07**	**7.32**	**0.735**	**0**	**-118**	**24.8**	**63.5**	
Well Condition Summary									
Cover: Y / N		**Bolts Y / N**		**Conc Pad OK Y / N**		**Gripper Y / N**			
Sample Collection Information									
Sample Time	**1220**	**Appearance:**		**Filtered Sample Turbidity:**			**OTHER:**		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK						
Sock Length (ft) =	**N/A**	**Capacity (Qt.) =**	**N/A**	**Present:**	**Y / N**	**Product Measured (Inches) :**
Sock Installation Date:			**Sock Changed :**		**Y / N**	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Ossining, NY**			**Job Number:**	**7173**	**WELL I.D.**		**MW-7A**	
Personnel:	**DA + JB**			**Date:**	**6/6/2019**				
Stickup? Y/N **Distance ground to Stickup**	**PID**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	0.0	**32.33**	**N/E**	**9.4**					**Peristaltic**
Turbidity at collection (NTU):			**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**
Volume Purged (gallons)	**Time (actual Time) 5-minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	945	**17.39**	**6.99**	**0.795**	**0**	**-99**	**38.8**	**9.4**	
	950	**17.96**	**6.98**	**0.783**	**0**	**-96**	**34.4**	**9.59**	
	955	**17.9**	**6.99**	**0.782**	**0**	**-97.0**	**35.7**	**9.59**	
	1000	**17.5**	**6.94**	**0.786**	**0**	**-94**	**36.8**	**9.59**	
	1005	**17.4**	**6.92**	**0.782**	**0**	**-93**	**35.6**	**9.59**	
	1010	**17.35**	**6.81**	**0.762**	**0**	**-98**	**22.6**	**9.59**	
	1015	**17.2**	**6.8**	**0.757**	**0**	**-98**	**26.9**	**9.59**	
	1020	**17.18**	**6.8**	**0.758**	**0**	**-98**	**24**	**9.59**	
	1025	**17.18**	**6.79**	**0.757**	**0**	**-100**	**21**	**9.59**	
Well Condition Summary									
Cover: Y / N		**Bolts Y / N**		**Conc Pad OK Y / N**		**Gripper Y / N**			
Sample Collection Information									
Sample Time	**1025**	**Appearance:**		**Filtered Sample Turbidity:**			**OTHER:**		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK						
Sock Length (ft) =	**N/A**	**Capacity (Qt.) =**	**N/A**	**Present:**	**Y / N**	**Product Measured (Inches) :**
Sock Installation Date:			**Sock Changed :**		**Y / N**	
Sock Depth (Depth to sock mid point):						

Attachment E
NYSDEC Email Correspondence: Sub-Slab and Indoor Air for Harbor Square (2018)

Joseph Scardino

From: Fuad Dahan
Sent: Friday, June 29, 2018 10:45 AM
To: Joseph Scardino
Subject: FW: Ossining VI Sub-slab & Indoor Air for Harbor Square C360091?

Regards,
Fuad

Fuad Dahan, PhD, PE, LSRP
Principal
SESI CONSULTING ENGINEERS
12A Maple Avenue
Pine Brook, NJ 07058

Phone: (973) 808-9050
Mobile: (973) 747-9567
Fax: (973) 808-9099
fd@sesi.org
www.sesi.org

From: Hubicki, Matthew S (DEC) [mailto:matthew.hubicki@dec.ny.gov]
Sent: Wednesday, January 03, 2018 2:07 PM
To: Fuad Dahan <fd@sesi.org>
Subject: RE: Ossining VI Sub-slab & Indoor Air for Harbor Square C360091?

Fuad – I had some off books conversation with old DOH PM and thought your approach would fly based on previous soil gas results … but finally got someone assigned and they did not like the approach.

FYI - Making ConEd do the same approach for their SVI above near the former MGP V00568.

-Matt

Matthew Hubicki
Project Manager, Remedial Bureau C
Division of Environmental Remediation

New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233-7014
P: 518-402-9605 | F: 518-402-9679 | matthew.hubicki@dec.ny.gov

www.dec.ny.gov |

From: Fuad Dahan [mailto:fd@sesi.org]
Sent: Wednesday, January 03, 2018 11:50 AM
To: Hubicki, Matthew S (DEC) <matthew.hubicki@dec.ny.gov>
Subject: RE: Ossining VI Sub-slab & Indoor Air for Harbor Square C360091?

Matt,
We will collect the samples as required. But I am wondering what changed since the attached email, which includes approval of our approach based on a discussion with DOH.

Regards,
Fuad

Fuad Dahan, PhD, PE, LSRP
Principal
SESI CONSULTING ENGINEERS
12A Maple Avenue
Pine Brook, NJ 07058

Phone: (973) 808-9050
Mobile: (973) 747-9567
Fax: (973) 808-9099
fd@sesi.org
www.sesi.org

From: Hubicki, Matthew S (DEC) [mailto:matthew.hubicki@dec.ny.gov]
Sent: Wednesday, January 03, 2018 10:45 AM
To: Fuad Dahan <fd@sesi.org>
Cc: Crosby, David (DEC) <david.crosby@dec.ny.gov>; Wagh, Sarita S (HEALTH) <Sarita.Wagh@health.ny.gov>; Schuck, Maureen E (HEALTH) <maureen.schuck@health.ny.gov>; Michael St. Pierre <msp@sesi.org>; Sergott, Mark S (HEALTH) <mark.sergott@health.ny.gov>; mginsburg@gdcllc.com; Steve Byszewski <spb@sesi.org>
Subject: RE: Ossining VI Sub-slab & Indoor Air for Harbor Square C360091?

Fuad – Did you perform the sub-slab vapor testing this past month – December 2017 for Harbor Square Site No. C360091 passive sub-slab depressurization (SSDS) systems? This proposed soil vapor intrusion (SVI) plan for the updated Harbor Square SMP is not acceptable by NYSDEC and NYSDOH.

I double checked with NYSDOH, and we will need these indoor air samples to verify the passive SSDS is mitigating vapors. As I said before (w/Chicken Island) the sub-slab vapor sampling can be completed at anytime, but without all the soil vapor/indoor air results, NYSDOH can not make any determinations if the passive SSDS system is protective or needs to be upgraded to an active SSDS system. Note you will have to sample indoor air during this heating season 2017-18. Please note these indoor air results need to be provided to tenants under VI disclosure.

See link below.
http://www.dec.ny.gov/regulations/55739.html

Thanks for your attention in this matter.
Matt

Matthew Hubicki
Project Manager, Remedial Bureau C
Division of Environmental Remediation

New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233-7014
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From: Fuad Dahan [mailto:fd@sesi.org]
Sent: Wednesday, December 14, 2016 10:15 AM
To: Hubicki, Matthew S (DEC) <matthew.hubicki@dec.ny.gov>
Subject: Ossining VI
Importance: High

Matt,
As discussed earlier we plan on including the paragraph below in the SMP for the monitoring of SSDS at Ossining. Please let me know if this acceptable by NYSDEC/NYSDOH.

Thanks

The SSDSs are being operated in a passive mode of operation with no blowers installed. Monitoring for sub-slab vapors and the slab integrity should be performed annually for the first two (2) years of operation. During this monitoring period, one (1) sub-slab air sample from each of the sub-slab sample ports will be obtained utilizing a summa canister and analyzed for VOCs utilizing the USEPA TO-15 test method. If VOCs are determined to exist at levels 10 times above the USEPA Target Indoor Air Concentrations or the NYSDOH Air Guidelines Values in the sub-slab samples, one of two following approaches may be implemented:

- Indoor air samples can be obtained in the exceedance area and compared to the USEPA Target Indoor Air Concentrations or NYSDOH Air Guidelines Values. If there are exceedances that are proven to be resulting from the sub slab detections, then the system should be made active by installing blowers at each of the roof vent risers. The interior air sampling program should be designed by a New York State licensed engineer.
- The VI mitigation system can be made active by installing blowers at each of the roof vent risers. The interior air sampling program should be designed by a New York State licensed engineer.

Fuad

SESI CONSULTING ENGINEERS

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Attachment F
Annual SSDS Vapor Intrusion Sampling Event Results (2017-2018)

SUB-SLAB AIR SAMPLE RESULTS
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 200-36827-1
Job Description: HARBOR SQUARE
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	Restaurant Sub-Slab Sample Port (SSSP)			Residential Bldg Lobby Res Storage (SSSP)			Residential Bldg Bike Storage (SSSP)			Residential Bldg WTR MTR RM (SSSP)			Kiosk Sub-Slab Sample Port (SSSP)		
Lab Sample ID	200-36827-1			200-36827-2			200-36827-3			200-36827-4			200-36827-5		
Sampling Date	12/27/2016 14:00:00			12/27/2016 14:26:00			12/28/2016 10:48:00			12/28/2016 11:03:00			12/28/2016 11:21:00		
Matrix	Air			Air			Air			Air			Air		
Dilution Factor	10			10			10			10			10		
Unit	ppb v/v			ppb v/v			ppb v/v			ppb v/v			ppb v/v		
AIR - GC/MS VOA-TO-15-PPB V/V	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
AIR BY TO-15															
1,1,1-Trichloroethane	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
1,1,2,2-Tetrachloroethane	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
1,1,2-Trichloroethane	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
1,1-Dichloroethane	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
1,1-Dichloroethene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,2,4-Trimethylbenzene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
1,2-Dibromoethane	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
1,2-Dichlorobenzene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
1,2-Dichloroethane	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
1,2-Dichloropropane	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
1,2-Dichlorotetrafluoroethane	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
1,3,5-Trimethylbenzene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
1,3-Butadiene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
1,3-Dichlorobenzene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
1,4-Dichlorobenzene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
1,4-Dioxane	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50
2,2,4-Trimethylpentane	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
2-Chlorotoluene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
3-Chloropropene	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
4-Ethyltoluene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Acetone	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50
Benzene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Bromodichloromethane	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Bromoethene(Vinyl Bromide)	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Bromoform	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Bromomethane	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Carbon disulfide	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Carbon tetrachloride	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Chlorobenzene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Chloroethane	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Chloroform	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Chloromethane	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
cis-1,2-Dichloroethene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
cis-1,3-Dichloropropene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Cyclohexane	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Dibromochloromethane	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Dichlorodifluoromethane	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Ethanol	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50
Ethylbenzene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Freon TF	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Hexachlorobutadiene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Isopropyl alcohol	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50
m,p-Xylene	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0

SUB-SLAB AIR SAMPLE RESULTS
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 200-36827-1
Job Description: HARBOR SQUARE
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	**Restaurant Sub-Slab Sample Port (SSSP)**			**Residential Bldg Lobby Res Storage (SSSP)**			**Residential Bldg Bike Storage (SSSP)**			**Residential Bldg WTR MTR RM (SSSP)**			**Kiosk Sub-Slab Sample Port (SSSP)**		
Lab Sample ID	200-36827-1			200-36827-2			200-36827-3			200-36827-4			200-36827-5		
Sampling Date	12/27/2016 14:00:00			12/27/2016 14:26:00			12/28/2016 10:48:00			12/28/2016 11:03:00			12/28/2016 11:21:00		
Matrix	Air			Air			Air			Air			Air		
Dilution Factor	10			10			10			10			10		
Unit	ppb v/v			ppb v/v			ppb v/v			ppb v/v			ppb v/v		
AIR - GC/MS VOA-TO-15-PPB V/V	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
AIR BY TO-15															
Methyl Ethyl Ketone	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
methyl isobutyl ketone	21		5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Methyl methacrylate	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Methyl tert-butyl ether	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Methylene Chloride	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Naphthalene	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
n-Heptane	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
n-Hexane	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Styrene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
tert-Butyl alcohol	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50
Tetrachloroethene	3.2		2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Tetrahydrofuran	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50
Toluene	2.0	U	2.0	2.0	U	2.0	3.6		2.0	2.4		2.0	2.0	U	2.0
trans-1,2-Dichloroethene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
trans-1,3-Dichloropropene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Trichloroethene	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Trichlorofluoromethane	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Vinyl chloride	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Xylene, o-	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0

U : Indicates the analyte was analyzed for but not detected.

SUB-SLAB AIR SAMPLE RESULTS
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 200-36827-1
Job Description: HARBOR SQUARE
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	Restaurant Sub-Slab Sample Port (SSSP)			Residential Bldg Lobby Res Storage (SSSP)			Residential Bldg Bike Storage (SSSP)			Residential Bldg WTR MTR RM (SSSP)			Kiosk Sub-Slab Sample Port (SSSP)		
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Sampling Date	12/27/2016 14:00:00			12/27/2016 14:26:00			12/28/2016 10:48:00			12/28/2016 11:03:00			12/28/2016 11:21:00		
Matrix	Air			Air			Air			Air			Air		
Dilution Factor	10			10			10			10			10		
Unit	ug/m3			ug/m3			ug/m3			ug/m3			ug/m3		
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
AIR BY TO-15															
1,1,1-Trichloroethane	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11
1,1,2,2-Tetrachloroethane	14	U	14	14	U	14	14	U	14	14	U	14	14	U	14
1,1,2-Trichloroethane	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11
1,1-Dichloroethane	8	U	8	8	U	8	8	U	8	8	U	8	8	U	8
1,1-Dichloroethene	8	U	8	8	U	8	8	U	8	8	U	8	8	U	8
1,2,4-Trichlorobenzene	37	U	37	37	U	37	37	U	37	37	U	37	37	U	37
1,2,4-Trimethylbenzene	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10
1,2-Dibromoethane	15	U	15	15	U	15	15	U	15	15	U	15	15	U	15
1,2-Dichlorobenzene	12	U	12	12	U	12	12	U	12	12	U	12	12	U	12
1,2-Dichloroethane	8	U	8	8	U	8	8	U	8	8	U	8	8	U	8
1,2-Dichloropropane	9	U	9	9	U	9	9	U	9	9	U	9	9	U	9
1,2-Dichlorotetrafluoroethane	14	U	14	14	U	14	14	U	14	14	U	14	14	U	14
1,3,5-Trimethylbenzene	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10
1,3-Butadiene	4	U	4	4	U	4	4	U	4	4	U	4	4	U	4
1,3-Dichlorobenzene	12	U	12	12	U	12	12	U	12	12	U	12	12	U	12
1,4-Dichlorobenzene	12	U	12	12	U	12	12	U	12	12	U	12	12	U	12
1,4-Dioxane	180	U	180	180	U	180	180	U	180	180	U	180	180	U	180
2,2,4-Trimethylpentane	9	U	9	9	U	9	9	U	9	9	U	9	9	U	9
2-Chlorotoluene	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10
3-Chloropropene	16	U	16	16	U	16	16	U	16	16	U	16	16	U	16
4-Ethyltoluene	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10
Acetone	120	U	120	120	U	120	120	U	120	120	U	120	120	U	120
Benzene	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
Bromodichloromethane	13	U	13	13	U	13	13	U	13	13	U	13	13	U	13
Bromoethene(Vinyl Bromide)	9	U	9	9	U	9	9	U	9	9	U	9	9	U	9
Bromoform	21	U	21	21	U	21	21	U	21	21	U	21	21	U	21
Bromomethane	8	U	8	8	U	8	8	U	8	8	U	8	8	U	8
Carbon disulfide	16	U	16	16	U	16	16	U	16	16	U	16	16	U	16
Carbon tetrachloride	13	U	13	13	U	13	13	U	13	13	U	13	13	U	13
Chlorobenzene	9	U	9	9	U	9	9	U	9	9	U	9	9	U	9
Chloroethane	13	U	13	13	U	13	13	U	13	13	U	13	13	U	13
Chloroform	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10
Chloromethane	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10
cis-1,2-Dichloroethene	8	U	8	8	U	8	8	U	8	8	U	8	8	U	8
cis-1,3-Dichloropropene	9	U	9	9	U	9	9	U	9	9	U	9	9	U	9
Cyclohexane	7	U	7	7	U	7	7	U	7	7	U	7	7	U	7
Dibromochloromethane	17	U	17	17	U	17	17	U	17	17	U	17	17	U	17
Dichlorodifluoromethane	25	U	25	25	U	25	25	U	25	25	U	25	25	U	25
Ethanol	94	U	94	94	U	94	94	U	94	94	U	94	94	U	94
Ethylbenzene	9	U	9	9	U	9	9	U	9	9	U	9	9	U	9
Freon TF	15	U	15	15	U	15	15	U	15	15	U	15	15	U	15
Hexachlorobutadiene	21	U	21	21	U	21	21	U	21	21	U	21	21	U	21
Isopropyl alcohol	120	U	120	120	U	120	120	U	120	120	U	120	120	U	120
m,p-Xylene	22	U	22	22	U	22	22	U	22	22	U	22	22	U	22

SUB-SLAB AIR SAMPLE RESULTS
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 200-36827-1
Job Description: HARBOR SQUARE
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	**Restaurant Sub-Slab Sample Port (SSSP)**			**Residential Bldg Lobby Res Storage (SSSP)**			**Residential Bldg Bike Storage (SSSP)**			**Residential Bldg WTR MTR RM (SSSP)**			**Kiosk Sub-Slab Sample Port (SSSP)**		
Lab Sample ID	200-36827-1			200-36827-2			200-36827-3			200-36827-4			200-36827-5		
Sampling Date	12/27/2016 14:00:00			12/27/2016 14:26:00			12/28/2016 10:48:00			12/28/2016 11:03:00			12/28/2016 11:21:00		
Matrix	Air			Air			Air			Air			Air		
Dilution Factor	10			10			10			10			10		
Unit	ug/m3			ug/m3			ug/m3			ug/m3			ug/m3		
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
AIR BY TO-15															
Methyl Ethyl Ketone	15	U	15	15	U	15	15	U	15	15	U	15	15	U	15
methyl isobutyl ketone	87		20	20	U	20	20	U	20	20	U	20	20	U	20
Methyl methacrylate	20	U	20	20	U	20	20	U	20	20	U	20	20	U	20
Methyl tert-butyl ether	7	U	7	7	U	7	7	U	7	7	U	7	7	U	7
Methylene Chloride	17	U	17	17	U	17	17	U	17	17	U	17	17	U	17
n-Heptane	8	U	8	8	U	8	8	U	8	8	U	8	8	U	8
n-Hexane	7	U	7	7	U	7	7	U	7	7	U	7	7	U	7
Styrene	9	U	9	9	U	9	9	U	9	9	U	9	9	U	9
tert-Butyl alcohol	150	U	150	150	U	150	150	U	150	150	U	150	150	U	150
Tetrachloroethene	22		14	14	U	14	14	U	14	14	U	14	14	U	14
Tetrahydrofuran	150	U	150	150	U	150	150	U	150	150	U	150	150	U	150
Toluene	8	U	8	8	U	8	13		8	9		8	8	U	8
trans-1,2-Dichloroethene	8	U	8	8	U	8	8	U	8	8	U	8	8	U	8
trans-1,3-Dichloropropene	9	U	9	9	U	9	9	U	9	9	U	9	9	U	9
Trichloroethene	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11
Trichlorofluoromethane	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11
Vinyl chloride	5	U	5	5	U	5	5	U	5	5	U	5	5	U	5
Xylene, o-	9	U	9	9	U	9	9	U	9	9	U	9	9	U	9

U : Indicates the analyte was analyzed for but not detected.

SUB-SLAB AIR SAMPLE RESULTS
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 200-36827-1
Job Description: HARBOR SQUARE
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	**Restaurant Sub-Slab Sample Port (SSSP)**			**Residential Bldg Lobby Res Storage (SSSP)**			**Residential Bldg Bike Storage (SSSP)**			**Residential Bldg WTR MTR RM (SSSP)**			**Kiosk Sub-Slab Sample Port (SSSP)**		
Lab Sample ID	200-36827-1			200-36827-2			200-36827-3			200-36827-4			200-36827-5		
Sampling Date	12/27/2016 14:00:00			12/27/2016 14:26:00			12/28/2016 10:48:00			12/28/2016 11:03:00			12/28/2016 11:21:00		
Matrix	Air			Air			Air			Air			Air		
Dilution Factor	10			10			10			10			10		
Unit	ppb v/v			ppb v/v			ppb v/v			ppb v/v			ppb v/v		
AIR - GC/MS VOA-TO-15-AIR	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
AIR BY TO-15															
Total Estimated Conc. (TICs)															

SUB-SLAB AIR SAMPLE RESULTS
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS D.P.C. PROJECT #7173

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 200-36827-1
Job Description: HARBOR SQUARE
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	**Residential Bldg Bike Storage (SSSP)**			**Residential Bldg WTR MTR RM (SSSP)**			**Kiosk Sub-Slab Sample Port (SSSP)**		
Lab Sample ID	200-36827-3			200-36827-4			200-36827-5		
Sampling Date	12/28/2016 10:48:00			12/28/2016 11:03:00			12/28/2016 11:21:00		
Matrix	Air			Air			Air		
Dilution Factor	10			10			10		
Unit	ppb v/v			ppb v/v			ppb v/v		
AIR - GC/MS VOA-TO-15-AIR-TIC	Result	Q	RT mm:ss	Result	Q	RT mm:ss	Result	Q	RT mm:ss
AIR TICS BY TO-15									
Ethane, 1-chloro-1,1-difluoro-	NR			NR			160	J N	03:23
Decane	13	J N	16:58	29	J N	16:58	NR		
Undecane	50	J N	18:21	160	J N	18:21	NR		

NR: Not Analyzed
RT mm:ss Retention Time in mm:ss format
J : Indicates an Estimated Value for TICs
N : This flag indicates the presumptive evidence of a compound.

Sub-Slab Soil Gas Analytical Results
One Harbor Square
Ossining, New York
SESI Job Number: 7173

	Sample Name:	NYSDEC /	EPA	SS-BIKE STORAGE		SS-KIOSK	
	Sample Date	NYSDOH	Technical	1/22/2018		1/22/2018	
	Lab ID	Guidance	Guidance	200-42005-7		200-42005-3	
Compound	CAS#	ug/m3	ug/m3	Q	ug/m3	Q	ug/m3
Acetone	67-64-1		1100000	J	9.7	J	6
Allyl chloride	107-05-1			U	1.6	U	1.6
Benzene	71-43-2		12		14	J	0.57
Bromodichloromethane	75-27-4			U	1.3	U	1.3
Bromoform	75-25-2			U	2.1	U	2.1
Bromomethane	74-83-9		170	U	0.78	U	0.78
1,3-Butadiene	106-99-0		3.1		2	U	0.44
Chlorobenzene	108-90-7		1700	U	0.92	U	0.92
Chloroethane	75-00-3			U	1.3	U	1.3
Chloroform	67-66-3		4.1	U	0.98	J	0.28
Chloromethane	74-87-3		3100	J	0.89	J	0.49
Carbon disulfide	75-15-0		24000	J	0.68	U	1.6
Carbon tetrachloride	56-23-5	60	16	J	0.36	J	0.29
2-Chlorotoluene	95-49-8			U	1	U	1
Cyclohexane	110-82-7		35000		3.2	U	0.69
Dibromochloromethane	124-48-1			U	1.7	U	1.7
1,2-Dibromoethane	106-93-4			U	1.5	U	1.5
1,2-Dichlorobenzene	95-50-1			U	1.2	U	1.2
1,3-Dichlorobenzene	541-73-1			U	1.2	U	1.2
1,4-Dichlorobenzene	106-46-7		8.5	U	1.2	U	1.2
Dichlorodifluoromethane	75-71-8		3500	J	1.8	J	1.8
1,1-Dichloroethane	75-34-3			U	0.81	U	0.81
1,2-Dichloroethane	107-06-2			U	0.81	U	0.81
1,1-Dichloroethene	75-35-4	60		U	0.79	U	0.79
1,2-Dichloroethene (cis)	156-59-2	60		U	0.79	U	0.79
1,2-Dichloroethene (trans)	156-60-5			U	0.79	U	0.79
1,2-Dichloropropane	78-87-5			U	0.92	U	0.92
1,3-Dichloropropene (cis)	10061-01-5			U	0.91	U	0.91
1,3-Dichloropropene(trans)	10061-02-6			U	0.91	U	0.91
1,2-Dichlorotetrafluoroethane	76-14-2			U	1.4	U	1.4
1,4-Dioxane	123-91-1			U	18	U	18
Ethanol	64-17-5		--		56	J	4.2
Ethylbenzene	100-41-4		37		5.2	J	0.21
4-Ethyltoluene	622-96-8				1.7	U	0.98
n-Heptane	142-82-5		14000		4.6	U	0.82
1,3-Hexachlorobutadiene	87-68-3			U	2.1	U	2.1
n-Hexane	110-54-3		24000		9.1	J	0.53
Isopropanol	67-63-0		7000	J	2.7	J	0.52
Methylene chloride	75-09-2	1000	3400	J	0.45	U	1.7
Methyl ethyl ketone	78-93-3		170000		2.1	J	1.1
Methyl isobutyl ketone	108-10-1		100000	J	0.89	U	2
Methyl methacrylate	80-62-6			U	2	U	2
Methyl tert-butyl ether	1634-04-4		360	U	0.72	U	0.72
Styrene	100-42-5		35000		0.9	U	0.85
Tert-butyl alcohol	75-65-0			U	15	U	15
1,1,2,2-Tetrachloroethane	79-34-5			U	1.4	U	1.4
Tetrachloroethene	127-18-4	1000	360	J	1	J	0.29
Tetrahydrofuran	109-99-9			U	15	U	15
Toluene	108-88-3		170000		28		0.77

Sub-Slab Soil Gas Analytical Results
One Harbor Square
Ossining, New York
SESI Job Number: 7173

	Sample Name:	NYSDEC /	EPA	SS-BIKE STORAGE		SS-KIOSK	
	Sample Date	NYSDOH	Technical	1/22/2018		1/22/2018	
	Lab ID	Guidance	Guidance	200-42005-7		200-42005-3	
Compound	CAS#	ug/m3	ug/m3	Q	ug/m3	Q	ug/m3
1,2,4-Trichlorobenzene	120-82-1			U	3.7	U	3.7
1,1,1-Trichloroethane	71-55-6	1000	170000	U	1.1	U	1.1
1,1,2-Trichloroethane	79-00-5			U	1.1	U	1.1
Trichloroethene	79-01-6	60	16	J	0.14	J	0.14
Trichlorofluoromethane	75-69-4		--	J	0.93	J	0.94
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		170000	J	0.38	J	0.44
1,2,4-Trimethylbenzene	95-63-6		2100		4.2	U	0.98
1,3,5-Trimethylbenzene	108-67-8		2100		1.4	U	0.98
2,2,4-Trimethylpentane	540-84-1		--		8.2	J	0.24
Vinyl bromide	593-60-2			U	0.87	U	0.87
Vinyl chloride	75-01-4	60		U	0.51	U	0.51
Xylenes (m&p)	179601-23-1		3500		16	J	0.43
Xylenes (o)	95-47-6		3500		5.7	J	0.2
Naphthalene	91-20-3		2.8	J	0.6	U	2.6

Sub-Slab Soil Gas Analytical Results
One Harbor Square
Ossining, New York
SESI Job Number: 7173

	Sample Name:	NYSDEC /	EPA	SS-RES. STORAGE ROOM		SS-RESTAURANT	
	Sample Date	NYSDOH	Technical	1/22/2018		1/22/2018	
	Lab ID	Guidance	Guidance	200-42005-5		200-42005-1	
Compound	CAS#	ug/m3	ug/m3	Q	ug/m3	Q	ug/m3
Acetone	67-64-1		1100000	J	9.2	U	12
Allyl chloride	107-05-1			U	1.6	U	1.6
Benzene	71-43-2		12	J	0.25	J	0.37
Bromodichloromethane	75-27-4			U	1.3	U	1.3
Bromoform	75-25-2			U	2.1	U	2.1
Bromomethane	74-83-9		170	U	0.78	U	0.78
1,3-Butadiene	106-99-0		3.1	U	0.44	U	0.44
Chlorobenzene	108-90-7		1700	U	0.92	U	0.92
Chloroethane	75-00-3			U	1.3	U	1.3
Chloroform	67-66-3		4.1		1.3		0.97
Chloromethane	74-87-3		3100	J	0.72	J	0.37
Carbon disulfide	75-15-0		24000		7.7		4.8
Carbon tetrachloride	56-23-5	60	16	J	0.28	J	0.3
2-Chlorotoluene	95-49-8			U	1	U	1
Cyclohexane	110-82-7		35000	U	0.69	J	0.18
Dibromochloromethane	124-48-1			U	1.7	U	1.7
1,2-Dibromoethane	106-93-4			U	1.5	U	1.5
1,2-Dichlorobenzene	95-50-1			U	1.2	U	1.2
1,3-Dichlorobenzene	541-73-1			U	1.2	U	1.2
1,4-Dichlorobenzene	106-46-7		8.5	U	1.2	U	1.2
Dichlorodifluoromethane	75-71-8		3500		3.4	J	2.4
1,1-Dichloroethane	75-34-3			U	0.81	U	0.81
1,2-Dichloroethane	107-06-2			U	0.81	U	0.81
1,1-Dichloroethene	75-35-4	60		U	0.79	U	0.79
1,2-Dichloroethene (cis)	156-59-2	60		U	0.79	U	0.79
1,2-Dichloroethene (trans)	156-60-5			U	0.79	U	0.79
1,2-Dichloropropane	78-87-5			U	0.92	U	0.92
1,3-Dichloropropene (cis)	10061-01-5			U	0.91	U	0.91
1,3-Dichloropropene(trans)	10061-02-6			U	0.91	U	0.91
1,2-Dichlorotetrafluoroethane	76-14-2			U	1.4	U	1.4
1,4-Dioxane	123-91-1			U	18	U	18
Ethanol	64-17-5		--	J	7.1	J	3.9
Ethylbenzene	100-41-4		37	J	0.15	J	0.15
4-Ethyltoluene	622-96-8			U	0.98	U	0.98
n-Heptane	142-82-5		14000	J	0.29	U	0.82
1,3-Hexachlorobutadiene	87-68-3			U	2.1	U	2.1
n-Hexane	110-54-3		24000	J	0.31	J	0.37
Isopropanol	67-63-0		7000	J	1.1	J	0.6
Methylene chloride	75-09-2	1000	3400	J	0.28	J	0.28
Methyl ethyl ketone	78-93-3		170000		2.3	J	0.39
Methyl isobutyl ketone	108-10-1		100000		7.4		9.8
Methyl methacrylate	80-62-6			U	2	U	2
Methyl tert-butyl ether	1634-04-4		360	U	0.72	U	0.72
Styrene	100-42-5		35000		1.4	U	0.85
Tert-butyl alcohol	75-65-0			U	15	U	15
1,1,2,2-Tetrachloroethane	79-34-5			U	1.4	U	1.4
Tetrachloroethene	127-18-4	1000	360	J	0.7		1.5
Tetrahydrofuran	109-99-9			U	15	U	15
Toluene	108-88-3		170000	J	0.57	J	0.43

Sub-Slab Soil Gas Analytical Results
One Harbor Square
Ossining, New York
SESI Job Number: 7173

	Sample Name:	NYSDEC /	EPA	SS-RES. STORAGE ROOM		SS-RESTAURANT	
	Sample Date	NYSDOH	Technical	1/22/2018		1/22/2018	
	Lab ID	Guidance	Guidance	200-42005-5		200-42005-1	
Compound	CAS#	ug/m3	ug/m3	Q	ug/m3	Q	ug/m3
1,2,4-Trichlorobenzene	120-82-1			U	3.7	U	3.7
1,1,1-Trichloroethane	71-55-6	1000	170000	U	1.1	J	0.33
1,1,2-Trichloroethane	79-00-5			U	1.1	U	1.1
Trichloroethene	79-01-6	60	16	U	1.1		1.5
Trichlorofluoromethane	75-69-4		--	J	0.98	J	0.92
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		170000	J	0.41	J	0.43
1,2,4-Trimethylbenzene	95-63-6		2100	U	0.98	U	0.98
1,3,5-Trimethylbenzene	108-67-8		2100	U	0.98	U	0.98
2,2,4-Trimethylpentane	540-84-1		--	U	0.93	J	0.32
Vinyl bromide	593-60-2			U	0.87	U	0.87
Vinyl chloride	75-01-4	60		U	0.51	U	0.51
Xylenes (m&p)	179601-23-1		3500	U	2.2	U	2.2
Xylenes (o)	95-47-6		3500	U	0.87	U	0.87
Naphthalene	91-20-3		2.8	U	2.6	U	2.6

Sub-Slab Soil Gas Analytical Results
One Harbor Square
Ossining, New York
SESI Job Number: 7173

	Sample Name:	NYSDEC / NYSDOH Guidance	EPA Technical Guidance	SS-WATER METER ROOM	
	Sample Date			1/22/2018	
	Lab ID			200-42005-9	
Compound	CAS#	ug/m3	ug/m3	Q	ug/m3
Acetone	67-64-1		1100000	J	3.7
Allyl chloride	107-05-1			U	1.6
Benzene	71-43-2		12		1.8
Bromodichloromethane	75-27-4			U	1.3
Bromoform	75-25-2			U	2.1
Bromomethane	74-83-9		170	U	0.78
1,3-Butadiene	106-99-0		3.1	U	0.44
Chlorobenzene	108-90-7		1700	U	0.92
Chloroethane	75-00-3			U	1.3
Chloroform	67-66-3		4.1		1.6
Chloromethane	74-87-3		3100	U	1
Carbon disulfide	75-15-0		24000		6.6
Carbon tetrachloride	56-23-5	60	16	J	0.28
2-Chlorotoluene	95-49-8			U	1
Cyclohexane	110-82-7		35000	J	0.42
Dibromochloromethane	124-48-1			U	1.7
1,2-Dibromoethane	106-93-4			U	1.5
1,2-Dichlorobenzene	95-50-1			U	1.2
1,3-Dichlorobenzene	541-73-1			U	1.2
1,4-Dichlorobenzene	106-46-7		8.5	U	1.2
Dichlorodifluoromethane	75-71-8		3500	J	2
1,1-Dichloroethane	75-34-3			U	0.81
1,2-Dichloroethane	107-06-2			U	0.81
1,1-Dichloroethene	75-35-4	60		U	0.79
1,2-Dichloroethene (cis)	156-59-2	60		U	0.79
1,2-Dichloroethene (trans)	156-60-5			U	0.79
1,2-Dichloropropane	78-87-5			U	0.92
1,3-Dichloropropene (cis)	10061-01-5			U	0.91
1,3-Dichloropropene(trans)	10061-02-6			U	0.91
1,2-Dichlorotetrafluoroethane	76-14-2			U	1.4
1,4-Dioxane	123-91-1			U	18
Ethanol	64-17-5		--	J	7.9
Ethylbenzene	100-41-4		37	J	0.45
4-Ethyltoluene	622-96-8			U	0.98
n-Heptane	142-82-5		14000	U	0.82
1,3-Hexachlorobutadiene	87-68-3			U	2.1
n-Hexane	110-54-3		24000		0.87
Isopropanol	67-63-0		7000	J	1.5
Methylene chloride	75-09-2	1000	3400	U	1.7
Methyl ethyl ketone	78-93-3		170000		1.7
Methyl isobutyl ketone	108-10-1		100000	U	2
Methyl methacrylate	80-62-6			U	2
Methyl tert-butyl ether	1634-04-4		360	U	0.72
Styrene	100-42-5		35000	U	0.85
Tert-butyl alcohol	75-65-0			U	15
1,1,2,2-Tetrachloroethane	79-34-5			U	1.4
Tetrachloroethene	127-18-4	1000	360		3.2
Tetrahydrofuran	109-99-9			U	15
Toluene	108-88-3		170000		3.3

Sub-Slab Soil Gas Analytical Results
One Harbor Square
Ossining, New York
SESI Job Number: 7173

	Sample Name:	NYSDEC / NYSDOH Guidance	EPA Technical Guidance	SS-WATER METER ROOM	
	Sample Date			1/22/2018	
	Lab ID			200-42005-9	
Compound	CAS#	ug/m3	ug/m3	Q	ug/m3
1,2,4-Trichlorobenzene	120-82-1			U	3.7
1,1,1-Trichloroethane	71-55-6	1000	170000	U	1.1
1,1,2-Trichloroethane	79-00-5			U	1.1
Trichloroethene	79-01-6	60	16	U	1.1
Trichlorofluoromethane	75-69-4		--	J	0.96
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		170000	J	1
1,2,4-Trimethylbenzene	95-63-6		2100	U	0.98
1,3,5-Trimethylbenzene	108-67-8		2100	U	0.98
2,2,4-Trimethylpentane	540-84-1		--		1
Vinyl bromide	593-60-2			U	0.87
Vinyl chloride	75-01-4	60		U	0.51
Xylenes (m&p)	179601-23-1		3500	J	1.5
Xylenes (o)	95-47-6		3500	J	0.56
Naphthalene	91-20-3		2.8	U	2.6

Indoor Air Analytical Results
One Harbor Square
Ossining, New York
SESI Job Number: 7173

	Sample Name:	NYSDEC / NYSDOH Guidance	EPA Target Indoor Air Conc.	IA-BIKE STORAGE		IA-FORMER SUPERINTENDENT OFFICE	
	Sample Date			1/22/2018		1/22/2018	
	Lab ID			200-42005-8		200-42005-6	
Compound	CAS#	ug/m3	ug/m3	Q	ug/m3	Q	ug/m3
Acetone	67-64-1		32000		19	J	89
Allyl chloride	107-05-1			U	1.7	U	13
Benzene	71-43-2		0.36		22	J	4.2
Bromodichloromethane	75-27-4			U	1.4	U	11
Bromoform	75-25-2			U	2.2	U	17
Bromomethane	74-83-9			U	0.84	U	6.2
1,3-Butadiene	106-99-0		0.094		3.7	J	0.7
Chlorobenzene	108-90-7			U	0.99	U	7.4
Chloroethane	75-00-3			U	1.4	U	11
Chloroform	67-66-3		0.12	U	1.1	J	6.2
Chloromethane	74-87-3		94		1.2	U	8.3
Carbon disulfide	75-15-0		730	J	0.28	U	12
Carbon tetrachloride	56-23-5		0.47	J	0.42	U	10
2-Chlorotoluene	95-49-8			U	1.1	U	8.3
Cyclohexane	110-82-7		6300		4.9	U	5.5
Dibromochloromethane	124-48-1			U	1.8	U	14
1,2-Dibromoethane	106-93-4			U	1.7	U	12
1,2-Dichlorobenzene	95-50-1			U	1.3	U	9.6
1,3-Dichlorobenzene	541-73-1			U	1.3	U	9.6
1,4-Dichlorobenzene	106-46-7			U	1.3	U	9.6
Dichlorodifluoromethane	75-71-8		100	J	1.7	J	1.9
1,1-Dichloroethane	75-34-3			U	0.87	U	6.5
1,2-Dichloroethane	107-06-2			U	0.87	U	6.5
1,1-Dichloroethene	75-35-4			U	0.86	U	6.3
1,2-Dichloroethene (cis)	156-59-2		--	U	0.86	U	6.3
1,2-Dichloroethene (trans)	156-60-5			U	0.86	U	6.3
1,2-Dichloropropane	78-87-5			U	1	U	7.4
1,3-Dichloropropene (cis)	10061-01-5			U	0.98	U	7.3
1,3-Dichloropropene(trans)	10061-02-6			U	0.98	U	7.3
1,2-Dichlorotetrafluoroethane	76-14-2			U	1.5	U	11
1,4-Dioxane	123-91-1			U	19	U	140
Ethanol	64-17-5		--		87		1000
Ethylbenzene	100-41-4		1.1		8.2	J	1.3
4-Ethyltoluene	622-96-8		--		2.3	U	7.9
n-Heptane	142-82-5		420		7.9	U	6.6
1,3-Hexachlorobutadiene	87-68-3			U	2.3	U	17
n-Hexane	110-54-3		730		16	J	4.5
Isopropanol	67-63-0		210	J	4		200
Methylene chloride	75-09-2	60	100	J	1	U	14
Methyl ethyl ketone	78-93-3		5200		3.1	J	3.4
Methyl isobutyl ketone	108-10-1		3100		2.3	U	16
Methyl methacrylate	80-62-6			U	2.2	U	16
Methyl tert-butyl ether	1634-04-4			U	0.78	U	5.8
Styrene	100-42-5		1000	J	0.83	U	6.8
Tert-butyl alcohol	75-65-0			U	16	U	120
1,1,2,2-Tetrachloroethane	79-34-5			U	1.5	U	11
Tetrachloroethene	127-18-4	100	11	J	1.2	U	11
Tetrahydrofuran	109-99-9			U	16	U	120
Toluene	108-88-3		5200		45		8.3

Indoor Air Analytical Results
One Harbor Square
Ossining, New York
SESI Job Number: 7173

	Sample Name:	NYSDEC / NYSDOH Guidance	EPA Target Indoor Air Conc.	IA-BIKE STORAGE		IA-FORMER SUPERINTENDENT OFFICE	
	Sample Date			1/22/2018		1/22/2018	
	Lab ID			200-42005-8		200-42005-6	
Compound	CAS#	ug/m3	ug/m3	Q	ug/m3	Q	ug/m3
1,2,4-Trichlorobenzene	120-82-1			U	4	U	30
1,1,1-Trichloroethane	71-55-6			U	1.2	U	8.7
1,1,2-Trichloroethane	79-00-5			U	1.2	U	8.7
Trichloroethene	79-01-6	5	0.48	U	1.2	U	8.6
Trichlorofluoromethane	75-69-4		--		1.3	U	9
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		5200	J	0.57	U	12
1,2,4-Trimethylbenzene	95-63-6		63		6.6	U	7.9
1,3,5-Trimethylbenzene	108-67-8		63		2.1	U	7.9
2,2,4-Trimethylpentane	540-84-1		--		13	J	3.1
Vinyl bromide	593-60-2			U	0.94	U	7
Vinyl chloride	75-01-4			U	0.55	U	4.1
Xylenes (m&p)	179601-23-1		100		25	J	3.7
Xylenes (o)	95-47-6		100		8.8	U	6.9
Naphthalene	91-20-3		0.083	U	2.8	U	21

Indoor Air Analytical Results
One Harbor Square
Ossining, New York
SESI Job Number: 7173

	Sample Name:	NYSDEC / NYSDOH Guidance	EPA Target Indoor Air Conc.	IA-KIOSK		IA-RESTAURANT		IA-WATER METER ROOM	
	Sample Date			1/22/2018		1/22/2018		1/22/2018	
	Lab ID			200-42005-4		200-42005-2		200-42005-10	
Compound	CAS#	ug/m3	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3
Acetone	67-64-1		32000	J	8.5	J	8	J	7.5
Allyl chloride	107-05-1			U	1.6	U	1.6	U	1.6
Benzene	71-43-2		0.36		0.8		5.9		11
Bromodichloromethane	75-27-4			U	1.3	U	1.3	U	1.3
Bromoform	75-25-2			U	2.1	U	2.1	U	2.1
Bromomethane	74-83-9			U	0.78	U	0.78	U	0.78
1,3-Butadiene	106-99-0		0.094	U	0.44		1.5		1.6
Chlorobenzene	108-90-7			U	0.92	U	0.92	U	0.92
Chloroethane	75-00-3			U	1.3	U	1.3	U	1.3
Chloroform	67-66-3		0.12	U	0.98		1.5	U	0.98
Chloromethane	74-87-3		94	J	0.89	J	0.86	J	1
Carbon disulfide	75-15-0		730	J	0.6	J	0.69	J	0.11
Carbon tetrachloride	56-23-5		0.47	J	0.37	J	0.41	J	0.41
2-Chlorotoluene	95-49-8			U	1	U	1	U	1
Cyclohexane	110-82-7		6300	U	0.69	J	0.3		2.1
Dibromochloromethane	124-48-1			U	1.7	U	1.7	U	1.7
1,2-Dibromoethane	106-93-4			U	1.5	U	1.5	U	1.5
1,2-Dichlorobenzene	95-50-1			U	1.2	U	1.2	U	1.2
1,3-Dichlorobenzene	541-73-1			U	1.2	U	1.2	U	1.2
1,4-Dichlorobenzene	106-46-7			U	1.2	U	1.2	U	1.2
Dichlorodifluoromethane	75-71-8		100	J	1.7	J	1.6	J	1.9
1,1-Dichloroethane	75-34-3			U	0.81	U	0.81	U	0.81
1,2-Dichloroethane	107-06-2			U	0.81	U	0.81	U	0.81
1,1-Dichloroethene	75-35-4			U	0.79	U	0.79	U	0.79
1,2-Dichloroethene (cis)	156-59-2		--	U	0.79	U	0.79	J	0.17
1,2-Dichloroethene (trans)	156-60-5			U	0.79	U	0.79	U	0.79
1,2-Dichloropropane	78-87-5			U	0.92	U	0.92	U	0.92
1,3-Dichloropropene (cis)	10061-01-5			U	0.91	U	0.91	U	0.91
1,3-Dichloropropene(trans)	10061-02-6			U	0.91	U	0.91	U	0.91
1,2-Dichlorotetrafluoroethane	76-14-2			U	1.4	U	1.4	U	1.4
1,4-Dioxane	123-91-1			U	18	U	18	U	18
Ethanol	64-17-5		--		13		110		43
Ethylbenzene	100-41-4		1.1	J	0.18	U	0.87		6.4
4-Ethyltoluene	622-96-8		--	U	0.98	U	0.98		1.2
n-Heptane	142-82-5		420	U	0.82		0.89		3.6
1,3-Hexachlorobutadiene	87-68-3			U	2.1	U	2.1	U	2.1
n-Hexane	110-54-3		730	J	0.56		1.1		7.5
Isopropanol	67-63-0		210	J	2.4		22	J	3.2
Methylene chloride	75-09-2	60	100	J	0.44	J	0.81	J	0.49
Methyl ethyl ketone	78-93-3		5200	J	1.2		1.8		21
Methyl isobutyl ketone	108-10-1		3100	U	2	U	2	J	1.4
Methyl methacrylate	80-62-6			U	2	U	2	U	2
Methyl tert-butyl ether	1634-04-4			U	0.72	U	0.72	U	0.72
Styrene	100-42-5		1000	U	0.85	U	0.85	J	0.56
Tert-butyl alcohol	75-65-0			U	15	U	15	U	15
1,1,2,2-Tetrachloroethane	79-34-5			U	1.4	U	1.4	U	1.4
Tetrachloroethene	127-18-4	100	11	J	0.12	U	1.4	J	0.67
Tetrahydrofuran	109-99-9			U	15	U	15	U	15
Toluene	108-88-3		5200		0.94		1.5		27

Indoor Air Analytical Results
One Harbor Square
Ossining, New York
SESI Job Number: 7173

	Sample Name:	NYSDEC / NYSDOH Guidance	EPA Target Indoor Air Conc.	IA-KIOSK		IA-RESTAURANT		IA-WATER METER ROOM	
	Sample Date			1/22/2018		1/22/2018		1/22/2018	
	Lab ID			200-42005-4		200-42005-2		200-42005-10	
Compound	CAS#	ug/m3	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3
1,2,4-Trichlorobenzene	120-82-1			U	3.7	U	3.7	U	3.7
1,1,1-Trichloroethane	71-55-6			U	1.1	U	1.1	U	1.1
1,1,2-Trichloroethane	79-00-5			U	1.1	U	1.1	U	1.1
Trichloroethene	79-01-6	5	0.48	U	1.1	U	1.1	J	1
Trichlorofluoromethane	75-69-4		--	J	0.97		1.1	J	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		5200	J	0.46	J	0.45	J	0.47
1,2,4-Trimethylbenzene	95-63-6		63	U	0.98	U	0.98		3.7
1,3,5-Trimethylbenzene	108-67-8		63	U	0.98	U	0.98		1.2
2,2,4-Trimethylpentane	540-84-1		--	J	0.32	J	0.36		6.8
Vinyl bromide	593-60-2			U	0.87	U	0.87	U	0.87
Vinyl chloride	75-01-4			U	0.51	U	0.51	U	0.51
Xylenes (m&p)	179601-23-1		100	J	0.45	U	2.2		23
Xylenes (o)	95-47-6		100	J	0.2	U	0.87		7.5
Naphthalene	91-20-3		0.083	U	2.6	U	2.6	J	0.81

Attachment G
ARCADIS DNAPL Annual Monitoring Reports (2016-2018)

Mr. Matthew S. Hubicki
New York State Department of Environmental Conservation
Section A, Remedial Bureau C
Division of Environmental Remediation
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Albany, New York 12233-7014

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ENVIRONMENT

Subject:
Consolidated Edison Company of New York, Inc.
Former Ossining Works Site – VCA Site # V00568
Operable Unit No.3 Vacuum Enhanced Fluid Recovery Program
2016 Annual Monitoring Report

Date:
July 27, 2017

Contact:
Michael C. Jones

Phone:
315.671.9211

Email:
Michael.Jones@arcadis.com

Our ref:
B0043025.0020 #10

Dear Mr. Hubicki:

This letter presents the results of dense non-aqueous phase liquid (DNAPL) monitoring and vacuum enhanced fluid recovery (VEFR) activities performed from January through December 2016 at the Consolidated Edison Company of New York, Inc. (Con Edison) former Ossining Works site (the "site") located in Ossining, New York (Figure 1). The DNAPL monitoring and recovery activities described in this letter were completed pursuant to the Voluntary Cleanup Agreement (VCA) between Con Edison and the New York State Department of Environmental Conservation (NYSDEC).

The DNAPL monitoring and recovery activities were performed in accordance with the NYSDEC-approved *DNAPL Recovery Work Plan* (Work Plan) prepared by CMX, Inc. (dated September 4, 2008) and a January 28, 2013 letter from Con Edison to the NYSDEC which proposed to discontinue monitoring of recovery wells located at Operable Unit No. 3 (including recovery wells RW-A, RW-B, RW-C, and RW-C2, shown on Figure 2) and focus recovery efforts on well RW-D located in Westerly Avenue. Pursuant to NYSDEC comments on the January 28, 2013 letter, Con Edison continued to monitor fluid levels for the OU-3 recovery wells on a quarterly basis during 2016 and DNAPL recovery was only conducted at RW-D.

The objectives of the 2016 DNAPL monitoring and recovery activities were to:

- Measure fluid-level elevations at RW-A, RW-B, RW-C, RW-C2, and RW-D to evaluate the presence of DNAPL.
- Recover DNAPL encountered at the recovery well RW-D.
- Evaluate the volume of DNAPL removed from RW-D and the rate at which DNAPL levels recover within the well.

A summary of the DNAPL monitoring and recovery activities is presented below, followed by a discussion of the DNAPL recovery results.

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Arcadis performed quarterly fluid level gauging at RW-A, RW-B, RW-C, RW-C2, and RW-D during 2016. Arcadis also performed quarterly DNAPL recovery field activities at RW-D during the months of March, June, and September 2016. The quarterly fluid gauging and DNAPL recovery activities were not performed during the fourth quarter (Q4) of 2016 due to a regulatory permit issue that was identified with the disposal facility (Cycle Chem, Inc.) that previously accepted the material. The Q4 2016 event was rescheduled (using a new disposal vendor) to coincide with the first quarter 2017 event. A description of the DNAPL monitoring and recovery activities is presented below.

Comm□nit□ □ir Monitorin□ □ro□r□m

Air monitoring was performed during each of the quarterly DNAPL monitoring and recovery events for volatile organic compounds (VOCs) using photoionization detectors (PIDs) equipped with continuous data loggers. Air monitoring was performed in the work zone, and upwind and downwind of the work zone during DNAPL recovery activities. PID readings did not exceed the action levels specified in the site-specific Health and Safety Plan (10 parts per million [ppm] above background levels for more than 5 minutes) during the DNAPL monitoring and recovery activities.

Fl□id-□e□el Me□s□rements

Static fluid-levels were measured quarterly at each recovery well using an electronic oil-water interface probe to measure the depth from a surveyed mark on the top of the inner well casing to light non-aqueous phase liquid (LNAPL), groundwater, and/or DNAPL surfaces to the nearest 0.01 feet. The fluid-level measurements obtained at each recovery well are presented in Table 1. Table 1 also includes static fluid-level measurements obtained during each previous DNAPL monitoring event (for years prior to 2016). LNAPL was not identified at any of the recovery wells. DNAPL was detected at recovery wells RW-A and RW-D. DNAPL has not been observed at RW-B, RW-C, or RW-C2 at any point since the inception of the monitoring program in 2008.

Fl□id □nd □□□□□ □eco□er□

DNAPL recovery activities were performed quarterly at well RW-D only, in accordance with the January 28, 2013 letter to the NYSDEC. Recovery activities were discontinued at RW-A following the November

2012 evacuation event as a result of the continued decline of the quantity of DNAPL identified and recovered during previous monitoring events.

The quarterly DNAPL recovery activities at RW-D consisted of repeated cycles of evacuating the well using a vacuum truck, followed by a recovery period where water and DNAPL levels were measured and recorded every 5 minutes. The 2016 monitoring events consisted of 2 to 5 cycles with a 15 minute DNAPL evacuation period followed by 25 to 30 minutes of water and DNAPL monitoring at 5 minute intervals. The total volume of DNAPL recovered during each quarterly monitoring event was calculated by measuring the difference in DNAPL levels before and after each evacuation cycle. Fluid-level measurements and the volume of total liquid and DNAPL recovered during the evacuation events are presented in Table 2.

The March and June 2016 DNAPL recovery activities included only 2 cycles of evacuation, due to the lack of recharge following the initial evacuation. Water level gauging was performed following discontinuation of evacuation activities in an attempt to evaluate the slow groundwater recharge. For the September 2016 DNAPL recovery event, 5 cycles of evacuation were performed as summarized in Table 2.

□r□nsport□tion □nd □ispos□l

Liquid waste generated during the quarterly recovery events was transported offsite by a Con Edison-approved waste hauler to Cycle Chem, Inc. (Cycle Chem) in Elizabeth, New Jersey for disposal as hazardous waste. Solid waste (personal protective equipment [PPE] and debris) generated during the quarterly gauging/recovery events were also transported to Cycle Chem for disposal as non-hazardous waste. Hazardous waste manifests for each recovery event are presented in Attachment A.

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DNAPL has never been identified at RW-B, RW-C, and RW-C2 since the start of the monitoring program in October 2008. DNAPL was identified at RW-A and RW-D during the 2016 monitoring events, as identified below:

- RW-A – Trace DNAPL was identified during the March and September gauging events. The DNAPL identified at RW-A has accumulated since recovery efforts at the well were discontinued in November 2012.
- RW-D –0.57 and 0.27 feet of DNAPL were identified during the June and September gauging events, respectively. The quantity of DNAPL was generally less than previous gauging events prior to 2016.

DNAPL recovery at well RW-D began in July 2012 and continued on a quarterly basis through September 2016. A summary of total fluid recovered and DNAPL removed from RW-D is presented in Table 3. A chart presenting of the total volume of DNAPL recovered for each recovery event and the average daily DNAPL recovery rate (gallons per day) for each recovery event for RW-D are included as Figure 3.

Approximately 150 gallons of liquid was removed from RW-D for offsite transportation and disposal during 2016. Approximately 0.14 gallons of DNAPL was removed from RW-D during the 2016 quarterly

monitoring events, which is approximately 98% less than during 2015. The greatest amount of DNAPL recovered during a single event since initiating recovery at RW-D was removed during the October 2014 event (approximately 28.8 gallons). A total of approximately 121.34 gallons of DNAPL has been removed since recovery activities began at the well in July 2012. The volume of DNAPL recovered at RW-D in 2016 ranged from no measurable recovery (March 22, 2016) to 0.1 gallons (June 30, 2016) per recovery event. The calculated daily recovery rates for 2016 recovery events ranged from 0 gallons per day (March 22, 2016) to 0.001 gallons per day (June 30, 2016). The total volume of fluid removed from RW-D during the quarterly 2016 DNAPL recovery events ranged from 45 to 60 gallons.

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Results of the 2016 DNAPL monitoring and recovery activities described in this letter indicate that only minimal quantities of recoverable DNAPL continues to enter well RW-D. Minor quantities of DNAPL continue to be identified at RW-A; however, the depths of DNAPL measured at RW-A are generally less than or consistent with previous gauging events. DNAPL was not identified at the remaining OU-3 recovery wells (RW-B, RW-C, and RW-C2). Arcadis recommends the following:

- Discontinuing quarterly fluid level monitoring at RW-A, RW-B, RW-C, and RW-C2. The OU-3 parcel has been developed for multi-unit residential use and Con Edison recommends that recovery wells RW-A, RW-B, RW-C, and RW-C2 be abandoned by the property owner. DNAPL has not been identified at wells RW-B, RW-C, and RW-C2 since monitoring was initiated in 2008. Minimal DNAPL has been identified at RW-A after discontinuation of recovery activities following the November 2012 evacuation event. Trace or no DNAPL was identified at RW-A for the 2016 monitoring events, which continues to be contained within the 3-foot well sump.
- Continuing quarterly evacuation events at RW-D. DNAPL entering the well significantly decreased and less than a gallon was recovered in 2016. Groundwater recharge in the well has also significantly decreased, indicating that the well is not effectively connected to the surrounding aquifer. Arcadis proposes to redevelop the well in an attempt to improve the hydraulic connection of the well to the surrounding aquifer.

Please do not hesitate to contact me at 315.671.9211 if you have any questions or require additional information.

Sincerely,

Arcadis of New York, Inc.

Michael C. Jones
Vice President

Copies:
Mr. Charles P. Leary, Con Edison
Mr. Matthew S. Hysell, P.E., Arcadis

Enclosures:

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1 DNAPL Gauging Measurements
2 RW-D DNAPL Accumulation Data
3 RW-D DNAPL Recovery Data

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1 Site Location Map
2 Existing Recovery Well Map
3 Measured DNAPL Recovery by Date for RW-D

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RW-A	10/7/08	567	NE	7.30	28.70	34.67	NE	5.97	Initial development, DNAPL removal and gauging
RW-B		26.2	NE	7.68	NE	35.00	NE	NE	
RW-C		0.0	NE	9.50	NE	35.00	NE	NE	
RW-A	10/8/08	1,078	NE	7.28	33.60	34.67	NE	1.07	
RW-B		0.0	NE	27.19	NE	35.00	NE	NE	
RW-C		0.0	NE	11.18	NE	35.00	NE	NE	
RW-A	10/9/08	1,082	NE	7.35	33.45	34.67	NE	1.22	
RW-B		0.0	NE	22.58	NE	35.00	NE	NE	
RW-C		0.0	NE	10.18	NE	35.00	NE	NE	
RW-A	10/13/08	1,144	NE	7.35	33.70	34.67	NE	0.97	
RW-B		1.2	NE	11.41	NE	35.00	NE	NE	
RW-C		0.0	NE	10.65	NE	35.00	NE	NE	
RW-A	10/20/08	1,443	NE	7.38	33.60	34.67	NE	1.07	
RW-B		5.0	NE	7.82	NE	35.00	NE	NE	
RW-C		0.0	NE	9.82	NE	35.00	NE	NE	
RW-A	11/3/08	1,244	NE	7.42	33.81	34.67	NE	0.86	2nd DNAPL removal event
RW-B		5.1	NE	7.40	NE	35.00	NE	NE	
RW-C		0.0	NE	9.35	NE	35.00	NE	NE	
RW-A	11/10/08	1,578	NE	7.33	19.63*	34.67	NE	*	No NAPL on probe. Reading is false positive due to turbulence in well apparently caused by heavy rainfall.
RW-B		0.2	NE	10.94	NE	35.00	NE	NE	
RW-C		0.0	NE	9.53	NE	35.00	NE	NE	
RW-A	11/17/08	2,128	NE	7.11	33.85	34.67	NE	0.82	
RW-B		0.0	NE	8.02	NE	35.00	NE	NE	
RW-C		0.0	NE	8.78	NE	35.00	NE	NE	
RW-A	12/3/08	1,556	NE	7.29	33.35	34.67	NE	1.32	3rd DNAPL removal event
RW-B		1.8	NE	7.24	NE	35.00	NE	NE	
RW-C		0.0	NE	9.31	NE	35.00	NE	NE	
RW-A	12/10/08	842	NE	6.93	33.49	34.67	NE	1.18	
RW-B		0.0	NE	7.49	NE	35.00	NE	NE	
RW-C		0.0	NE	9.65	NE	35.00	NE	NE	
RW-A	12/15/08	922	NE	6.96	33.48	34.67	NE	1.19	4th DNAPL removal event
RW-B		0.0	NE	7.51	NE	35.00	NE	NE	
RW-C		0.0	NE	9.60	NE	35.00	NE	NE	
RW-A	12/29/08	1,290	NE	6.96	33.35	34.67	NE	1.32	5th DNAPL removal event
RW-B		0.0	NE	7.71	NE	35.00	NE	NE	
RW-C		0.0	NE	9.45	NE	35.00	NE	NE	
RW-A	12/30/08	1,500	NE	6.90	33.20	34.67	NE	1.47	
RW-B		0.0	NE	NR	NE	35.00	NE	NE	
RW-C		0.0	NE	NR	NE	35.00	NE	NE	
RW-A	1/5/09	NR	NE	7.28	33.29	34.67	NE	1.38	6th DNAPL removal event
RW-B		NR	NE	7.68	NE	35.00	NE	NE	
RW-C2		NR	NE	9.62	NE	31.00	NE	NE	
RW-C		NR	NE	9.38	NE	35.00	NE	NE	
RW-A	2/24/09	NR	NE	7.38	32.95	34.67	NE	1.72	7th DNAPL removal event
RW-B		NR	NE	7.71	NE	35.00	NE	NE	
RW-C2		NR	NE	9.82	NE	31.00	NE	NE	
RW-C		NR	NE	9.52	NE	35.00	NE	NE	

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RW-A	3/27/09	211	NE	7.28	33.30	34.70	NE	1.4	8th DNAPL removal event
RW-B		0.0	NE	7.05	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.09	NE	31.00	NE	NE	
RW-C		0.0	NE	9.21	NE	35.00	NE	NE	
RW-A	4/27/09	439	NE	7.31	33.34	34.70	NE	1.36	9th DNAPL removal event
RW-B		0.0	NE	7.25	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.04	NE	31.00	NE	NE	
RW-C		0.0	NE	9.16	NE	35.00	NE	NE	
RW-A	5/29/09	645	NE	7.22	34.00	34.70	NE	0.7	10th DNAPL removal event
RW-B		2.4	NE	6.90	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.00	NE	31.00	NE	NE	
RW-C		0.4	NE	9.06	NE	35.00	NE	NE	
RW-A	6/26/09	475	NE	6.85	33.30	34.70	NE	1.4	11th DNAPL removal event
RW-B		0.0	NE	6.40	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.05	NE	31.00	NE	NE	
RW-C		0.0	NE	8.20	NE	35.00	NE	NE	
RW-A	7/31/09	NR	NE	7.15	33.50	34.70	NE	1.2	12th DNAPL removal event
RW-B		0.0	NE	7.00	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.60	NE	31.00	NE	NE	
RW-C		0.0	NE	8.79	NE	35.00	NE	NE	
RW-A	8/28/09	270	NE	7.30	33.75	34.70	NE	0.95	13th DNAPL removal event
RW-B		0.0	NE	7.18	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.90	NE	31.00	NE	NE	
RW-C		0.0	NE	8.98	NE	35.00	NE	NE	
RW-A	9/30/09	307	NE	7.45	34.00	34.70	NE	0.7	14th DNAPL removal event
RW-B		0.0	NE	7.23	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.95	NE	31.00	NE	NE	
RW-C		0.0	NE	9.02	NE	35.00	NE	NE	
RW-A	10/29/09	275	NE	6.55	33.90	34.70	NE	0.8	15th DNAPL removal event
RW-B		0.0	NE	6.61	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.80	NE	31.00	NE	NE	
RW-C		0.0	NE	8.83	NE	35.00	NE	NE	
RW-A	11/20/09	325	NE	7.05	34.10	34.70	NE	0.6	16th DNAPL removal event
RW-B		0.0	NE	7.03	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.00	NE	31.00	NE	NE	
RW-C		0.0	NE	9.02	NE	35.00	NE	NE	
RW-A	12/22/09	315	NE	7.35	34.70	34.70	NE	0	17th DNAPL removal event
RW-B		0.0	NE	7.30	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.18	NE	31.00	NE	NE	
RW-C		0.0	NE	9.20	NE	35.00	NE	NE	
RW-A	1/22/10	410	NE	7.40	34.30	34.70	NE	0.4	18th DNAPL removal event
RW-B		0.0	NE	7.47	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.30	NE	31.00	NE	NE	
RW-C		0.0	NE	9.32	NE	35.00	NE	NE	

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RW-A	2/22/10	405	NE	6.65	34.10	34.70	NE	0.6	19th DNAPL removal event
RW-B		0.0	NE	6.70	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.75	NE	31.00	NE	NE	
RW-C		0.0	NE	8.78	NE	35.00	NE	NE	
RW-A	3/26/10	1,256	NE	6.77	34.70	34.70	NE	0	20th DNAPL removal event
RW-B		0.0	NE	6.65	NE	37.61	NE	NE	
RW-C2		0.0	NE	8.16	NE	31.81	NE	NE	
RW-C		2.6	NE	8.38	NE	37.57	NE	NE	
RW-A	4/23/10	94	NE	7.20	34.29	34.70	NE	0.41	21st DNAPL removal event
RW-B		0.0	NE	6.95	NE	37.59	NE	NE	
RW-C2		0.0	NE	8.91	NE	31.86	NE	NE	
RW-C		0.0	NE	9.08	NE	37.57	NE	NE	
RW-A	5/21/10	392	NE	9.94	34.70	34.70	NE	0	22nd DNAPL removal event
RW-B		0.0	NE	10.70	NE	37.59	NE	NE	
RW-C2		0.0	NE	11.46	NE	31.83	NE	NE	
RW-C		0.0	NE	12.22	NE	37.58	NE	NE	
RW-A	6/25/10	134	NE	7.86	34.20	34.70	NE	0.5	23rd DNAPL removal event
RW-B		0.0	NE	7.06	NE	37.62	NE	NE	
RW-C2		0.0	NE	8.98	NE	31.83	NE	NE	
RW-C		0.0	NE	9.16	NE	37.57	NE	NE	
RW-A	7/30/10	257	NE	7.43	33.25	34.70	NE	1.45	24th DNAPL removal event
RW-B		0.0	NE	7.31	NE	37.49	NE	NE	
RW-C2		0.0	NE	9.11	NE	31.77	NE	NE	
RW-C		0.0	NE	9.33	NE	37.47	NE	NE	
RW-A	8/27/10	165	NE	7.11	34.21	34.70	NE	0.49	25th DNAPL removal event
RW-B		0.0	NE	6.62	NE	34.54	NE	NE	
RW-C2		0.0	NE	8.15	NE	31.82	NE	NE	
RW-C		0.0	NE	8.44	NE	37.51	NE	NE	
RW-A	9/24/10	179	NE	7.50	34.70	34.70	NE	0	26th DNAPL removal event
RW-B		0.0	NE	7.20	NE	37.52	NE	NE	
RW-C2		0.0	NE	9.22	NE	31.80	NE	NE	
RW-C		0.0	NE	9.41	NE	37.50	NE	NE	
RW-A	10/29/10	0.0	NE	7.40	34.70	34.70	NE	0	27th DNAPL removal event
RW-B		0.0	NE	7.03	NE	37.52	NE	NE	
RW-C2		0.0	NE	9.10	NE	37.50	NE	NE	
RW-C		0.0	NE	9.31	NE	31.80	NE	NE	
RW-A	11/24/10	127.2	NE	7.42	34.67	34.70	NE	0.03	28th DNAPL removal event
RW-B		0.0	NE	7.04	NE	37.50	NE	NE	
RW-C2		0.0	NE	9.14	NE	37.50	NE	NE	
RW-C	10/29/10	0.0	NE	9.34	NE	31.75	NE	NE	
RW-A	12/23/10	110.3	NE	7.34	34.50	34.70	NE	0.2	29th DNAPL removal event
RW-B		0.0	NE	7.45	NE	37.50	NE	NE	
RW-C2		0.0	NE	9.00	NE	37.50	NE	NE	
RW-C		0.0	NE	9.16	NE	31.75	NE	NE	

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RW-A	1/31/11	749	NE	7.40	10.00*	34.70	NE	*	30th DNAPL removal event
RW-B		0.0	NE	7.11	NE	37.50	NE	NE	
RW-C2		0.0	NE	9.40	NE	37.50	NE	NE	
RW-C		0.0	NE	9.62	NE	31.75	NE	NE	
RW-A	4/29/11	51.5	NE	6.67	NE	34.70	NE	NE	31st DNAPL removal event
RW-B		0.0	NE	6.55	28.76*	37.50	NE	*	Grey sediment in bottom of bailer to confirm
RW-C2		1.4	NE	8.16	29.98*	37.50	NE	*	
RW-C		0.0	NE	8.43	31.13*	31.75	NE	*	
RW-A	7/29/11	3.2	NE	7.19	34.55	34.70	NE	0.15	32nd DNAPL removal event
RW-B		0.0	NE	6.87	NE	37.50	NE	NE	
RW-C2		0.0	NE	8.77	NE	37.50	NE	NE	
RW-C		0.0	NE	9.01	NE	31.75	NE	NE	
RW-A	10/28/11	147	NE	6.84	NE	34.70	NE	NE	33rd DNAPL removal event
RW-B		0.0	NE	6.60	NE	37.60	NE	NE	
RW-C2		0.0	NE	8.50	NE	31.80	NE	NE	
RW-C		0.0	NE	8.65	NE	37.50	NE	NE	
RW-A	1/27/12	432	NE	6.92	34.57	34.70	NE	0.13	34th DNAPL removal event
RW-B		0.0	NE	6.85	NE	37.62	NE	NE	
RW-C2		0.0	NE	8.91	NE	31.81	NE	NE	
RW-C		0.0	NE	8.92	NE	37.44	NE	NE	
RW-A	4/2/12	426	NE	7.11	34.61	34.64	NE	0.03	35th DNAPL removal event
RW-B		0.0	NE	6.88	NE	37.62	NE	NE	
RW-C2		0.0	NE	9.06	NE	31.88	NE	NE	
RW-C		0.0	NE	9.27	NE	37.62	NE	NE	
RW-A	7/25/12	501	NE	7.15	34.55	34.70	NE	0.15	36th DNAPL removal event
RW-B		0.0	NE	6.88	NE	37.68	NE	NE	
RW-C2		0.0	NE	8.69	NE	31.91	NE	NE	
RW-C		0.0	NE	8.92	NE	37.57	NE	NE	
RW-A	11/15/12	861.4	NE	7.01	34.65	34.70	NE	0.05	37th DNAPL removal event
RW-B		0.0	NE	6.92	NE	37.68	NE	NE	
RW-C2		0.0	NE	8.56	NE	31.91	NE	NE	
RW-C		0.0	NE	8.82	NE	37.57	NE	NE	
RW-D		1,731	NE	2.86	35.68	41.37	NE	5.69	
RW-A	2/28/13	1,033	NE	6.54	34.67	34.70	NE	0.03	38th DNAPL removal event
RW-B		0.0	NE	6.48	NE	37.67	NE	NE	
RW-C2		0.0	NE	8.32	NE	31.92	NE	NE	
RW-C		0.0	NE	8.50	NE	37.57	NE	NE	
RW-D		1,579	NE	2.42	37.69	41.42	NE	3.73	
RW-A	5/31/13	120.8	NE	8.16	34.68	34.70	NE	0.02	39th DNAPL removal event
RW-B		0.0	NE	6.94	NE	37.71	NE	NE	
RW-C2		0.0	NE	8.49	NE	31.91	NE	NE	
RW-C		0.0	NE	8.82	NE	37.58	NE	NE	
RW-D		1,247	NE	3.14	38.81	41.42	NE	2.61	

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RW-A	8/30/13	Well Inaccessible							40th DNAPL removal event
RW-B		Well Inaccessible							
RW-C2		0.0	NE	8.91	NE	31.87	NE	NE	
RW-C		Well Inaccessible							
RW-D		1,242	NE	3.41	39.82	41.42	NE	1.60	
RW-A	11/26/13	118	NE	7.62	34.52	34.60	NE	0.08	41st DNAPL removal event
RW-B		0.0	NE	7.58	NE	37.49	NE	NE	
RW-C2		0.0	NE	9.82	NE	31.68	NE	NE	
RW-C		0.0	NE	9.98	NE	37.40	NE	NE	
RW-D		893	NE	3.76	39.45	41.42	NE	1.97	
RW-A	3/28/14	140	NE	7.76	34.70	35.32	NE	0.62	42nd DNAPL removal event
RW-B		0.0	NE	7.24	NE	36.67	NE	NE	
RW-C2		0.0	NE	9.35	NE	40.70	NE	NE	
RW-C		0.0	NE	9.08	NE	31.90	NE	NE	
RW-D		584	NE	3.33	39.96	41.49	NE	1.53	
RW-A	6/6/14	82.4	NE	7.21	34.72	35.12	NE	0.40	43rd DNAPL removal event
RW-B		0.0	NE	6.65	NE	37.82	NE	NE	
RW-C2		0.0	NE	8.91	NE	38.92	NE	NE	
RW-C		0.0	NE	8.67	NE	31.84	NE	NE	
RW-D		348	NE	3.12	39.61	41.77	NE	2.16	
RW-A	10/16/14	145	NE	6.89	Trace	34.71	NE	Trace	44th DNAPL removal event
RW-B		0.0	NE	6.88	NE	37.62	NE	NE	
RW-C2		0.0	NE	8.88	NE	31.53	NE	NE	
RW-C		0.0	NE	8.77	NE	31.84	NE	NE	
RW-D		1,145	NE	3.06	34.84	41.43	NE	6.59	
RW-A	12/18/14	78.5	NE	7.13	35.43	35.62	NE	0.19	45th DNAPL removal event
RW-B		0.0	NE	6.93	NE	37.85	NE	NE	
RW-C2		Well Inaccessible							
RW-C		0.0	NE	8.91	NE	31.85	NE	NE	
RW-D		141.0	NE	3.16	39.91	41.34	NE	1.43	
RW-A	3/19/15	65.7	NE	6.88	Trace	34.72	NE	Trace	46th DNAPL removal event
RW-B		0.0	NE	6.89	NE	37.57	NE	NE	
RW-C2		0.0	NE	8.85	NE	37.58	NE	NE	
RW-C		0.0	NE	8.67	NE	31.88	NE	NE	
RW-D		244.0	NE	2.93	40.81	41.52	NE	0.71	
RW-A	6/26/15	Well Inaccessible							47th DNAPL removal event
RW-B		Well Inaccessible							
RW-C2		Well Inaccessible							
RW-C		Well Inaccessible							
RW-D		437.1	NE	3.18	38.65	41.52	NE	2.87	
RW-A	9/24/15	504.3	NE	7.21	NE	35.21	NE	NE	48th DNAPL removal event
RW-B		Well Inaccessible							
RW-C2		0.0	NE	8.81	NE	37.70	NE	NE	
RW-C		0.0	NE	8.50	NE	31.96	NE	NE	
RW-D		789.3	NE	3.25	40.25	41.47	NE	1.22	

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RW-A	12/1/15	266.5	NE	7.18	Trace	35.21	NE	Trace	49th DNAPL removal event
RW-B		0.0	NE	7.00	NE	33.05	NE	NE	
RW-C2		0.0	NE	9.00	NE	37.70	NE	NE	
RW-C		0.0	NE	9.06	NE	31.96	NE	NE	
RW-D		378.1	NE	3.23	40.85	41.47	NE	0.62	
RW-A	3/22/16	66.5	NE	7.03	Trace	35.69	NE	Trace	50th DNAPL removal event
RW-B		0.0	NE	6.83	NE	38.94	NE	NE	
RW-C2		47.5	NE	8.80	NE	38.27	NE	NE	
RW-C		0.0	NE	9.64	NE	31.88	NE	NE	
RW-D		298.6	NE	8.51	NE	42.21	NE	NE	
RW-A	6/30/16	2.4	NE	5.41	NE	34.41	NE	NE	51st DNAPL removal event
RW-B		0.2	NE	6.61	NE	38.91	NE	NE	
RW-C2		0.0	NE	8.96	NE	38.00	NE	NE	
RW-C		0.0	NE	7.03	NE	29.63	NE	NE	
RW-D		89.6	NE	22.36	41.23	41.80	NE	0.57	
RW-A	9/29/16	3.8	NE	5.22	Trace	32.25	NE	Trace	52nd DNAPL removal event
RW-B		0.3	NE	6.61	NE	32.41	NE	NE	
RW-C2		Well Inaccessible							
RW-C		0.4	NE	10.20	NE	29.91	NE	NE	
RW-D		386.0	NE	24.64	41.20	41.47	NE	0.27	

□otes:
1. Depths measured in feet below the top of the well casing.
2. PID = photoionization detector.
3. ppm = parts per million.
4. LNAPL = light non-aqueous phase liquid.
5. DNAPL = dense non-aqueous phase liquid.
6. NAPL = non-aqueous phase liquid.
7. * False positive reading. Could not confirm depth or thickness of DNAPL
8. NE = not encountered.
9. NM = not measured.
10. NR = not recorded.

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1	a	7/25/2012	8:45	NM	0.17	0	1st well evacuation from 8:25 until 8:35		2.6
			8:50	41.45	0.25	0.05	2nd well evacuation from 9:00 until 9:15		
	b	7/25/2012	9:20	41.35	0.08	0.15	Well evacuation complete		0.1
			9:30	41.14	0.25	0.36			
			9:35	41.04	0.33	0.46	3rd well evacuation from 9:45 until 10:00		
	c	7/25/2012	10:00	41.30	0	0.2	Well evacuation complete		0.7
			10:15	41.02	0.25	0.48			
			10:30	39.87	0.5	1.63	4th well evacuation from 10:40 until 10:50		
	d	7/25/2012	10:55	40.85	0.08	0.65	Well evacuation complete		2.4
			11:05	40.44	0.25	1.06			
			11:15	40.28	0.42	1.22	5th well evacuation from 11:20 until 11:30		
	e	7/25/2012	11:35	40.48	0.08	1.02	Well evacuation complete		1.8
			11:45	40.45	0.25	1.05			
			11:50	40.43	0.33	1.07	6th well evacuation from 12:05 until 12:15		
	f	7/25/2012	12:20	40.48	0.25	1.02	Well evacuation complete	216	1.6
			12:30	40.04	0.42	1.46			
			12:40	39.85	0.58	1.65			
2	a	11/15/2012	9:24	NM	0	0	1st well evacuation completed from 9:13 until 9:24		8.5
			9:32	41.40	0.13	0.02			
			9:37	41.38	0.22	0.04			
			9:42	41.23	0.3	0.19	2nd well evacuation from 9:55 until 10:06		
	b	11/15/2012	10:08	41.42	0.03	0	Well evacuation complete		0.3
			10:19	41.08	0.22	0.34			
			10:25	40.78	0.32	0.64			
			10:48	40.34	0.7	1.08			
			11:05	40.26	0.98	1.16	3rd well evacuation from 11:22 until 11:36		
	c	11/15/2012	11:48	41.21	0.2	0.23	Well evacuation complete		1.7
			11:53	41.04	0.28	0.4			
			12:03	40.81	0.45	0.63			
			12:09	40.72	0.55	0.72			
			12:20	40.61	0.73	0.83			
			12:50	40.21	1.23	1.23	4th well evacuation from 12:52 until 13:08		
	d	11/15/2012	13:09	41.42	0.02	0.02	Well evacuation complete	232	1.8
			13:20	41.21	0.2	0.23			
			13:25	41.00	0.28	0.44			
			13:39	40.71	0.52	0.73			
			13:52	40.47	0.73	0.97			
3	a	2/28/2013	7:39	39.01	0	2.43	1st well evacuation completed from 7:24 until 7:39		1.9
			7:44	37.07	0.08	4.37			
			7:49	36.58	0.17	4.86			
			7:54	36.52	0.25	4.92			
			7:59	36.36	0.33	5.08			
			8:04	36.17	0.42	5.27			
			8:09	36.09	0.5	5.35	2nd well evacuation from 8:09 until 8:24		
	b	2/28/2013	8:24	NM	0	0	Well evacuation complete		7.9
			8:29	41.22	0.08	0.2			
			8:34	41.06	0.17	0.36			
			8:39	41.00	0.25	0.42			
			8:44	40.93	0.33	0.49			
			8:49	40.84	0.42	0.58			
			8:54	40.74	0.5	0.68	3rd well evacuation from 8:54 until 9:09		
	c	2/28/2013	9:09	NM	0	0	Well evacuation complete		1.0
			9:14	41.37	0.08	0.05			
			9:19	41.27	0.17	0.15			
			9:24	41.12	0.25	0.3			
			9:29	40.99	0.33	0.43			
			9:34	40.86	0.42	0.56			
			9:39	40.76	0.5	0.66	4th well evacuation from 9:39 until 9:54		

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3	d	2/28/2013	9:54	NM	0	0	Well evacuation complete		1.0
			9:59	41.36	0.08	0.06			
			10:04	41.28	0.17	0.14			
			10:09	41.08	0.25	0.34			
			10:14	40.91	0.33	0.51			
			10:19	40.75	0.42	0.67			
			10:24	40.71	0.5	0.71	5th well evacuation from 10:24 until 10:39		
	e	2/28/2013	10:39	NM	0	0	Well evacuation complete		1.0
			10:44	41.38	0.08	0.04			
			10:49	41.26	0.17	0.16			
			10:54	41.11	0.25	0.31			
			10:59	41.06	0.33	0.36			
			11:04	40.91	0.42	0.51			
			11:09	40.76	0.5	0.66	6th well evacuation from 11:09 until 11:24		
	f	2/28/2013	11:24	NM	0	0	Well evacuation complete		1.0
			11:29	41.35	0.08	0.07			
			11:34	41.25	0.17	0.17			
			11:39	41.10	0.25	0.32			
			11:44	40.95	0.33	0.47			
			11:49	40.79	0.42	0.63			
			11:54	40.74	0.5	0.68	7th well evacuation from 11:54 until 12:09		
	g	2/28/2013	12:09	NM	0	0	Well evacuation complete	508	1.0
			12:14	41.40	0.08	0.02			
			12:19	41.24	0.17	0.18			
			12:24	41.17	0.25	0.25			
			12:29	40.92	0.33	0.5			
			12:34	40.89	0.42	0.53			
			12:39	40.79	0.5	0.63			
4	a	5/31/2013	7:15	41.35	0	0.07	1st well evacuation completed from 7:00 until 7:15		3.7
			7:20	40.92	0.08	0.5			
			7:25	40.69	0.17	0.73			
			7:30	40.60	0.25	0.82			
			7:35	40.42	0.33	1			
			7:40	40.34	0.42	1.08			
			7:45	40.27	0.5	1.15	2nd well evacuation from 7:45 until 8:00		
	b	5/31/2013	8:00	NM	0	0	Well evacuation complete		1.7
			8:05	41.42	0.08	0			
			8:10	41.29	0.17	0.13			
			8:15	41.19	0.25	0.23			
			8:20	40.94	0.33	0.48			
			8:25	40.79	0.42	0.63			
			8:30	40.70	0.5	0.72	3rd well evacuation from 8:30 until 8:45		
	c	5/31/2013	8:45	NM	0	0	Well evacuation complete		1.1
			8:50	41.40	0.08	0.02			
			8:55	41.35	0.17	0.07			
			9:00	41.29	0.25	0.13			
			9:05	41.17	0.33	0.25			
			9:10	41.08	0.42	0.34			
			9:15	40.93	0.5	0.49	4th well evacuation from 9:15 until 9:30		
	d	5/31/2013	9:30	NM	0	0	Well evacuation complete		0.7
			9:35	41.41	0.08	0.01			
			9:40	41.36	0.17	0.06			
			9:45	41.15	0.25	0.27			
			9:50	41.09	0.33	0.33			
			9:55	40.99	0.42	0.43			
			10:00	40.88	0.5	0.54	5th well evacuation from 10:00 until 10:15		

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4	e	5/31/2013	10:15	NM	0	0	Well evacuation complete		0.8
			10:20	41.40	0.08	0.02			
			10:25	41.33	0.17	0.09			
			10:30	41.29	0.25	0.13			
			10:35	41.15	0.33	0.27			
			10:40	40.93	0.42	0.49			
			10:45	40.89	0.5	0.53	6th well evacuation from 10:45 until 11:00		
	f	5/31/2013	11:00	NM	0	0	Well evacuation complete		0.8
			11:05	41.41	0.08	0.01			
			11:10	41.35	0.17	0.07			
			11:15	41.10	0.25	0.32			
			11:20	40.96	0.33	0.46			
			11:25	40.88	0.42	0.54			
			11:30	40.80	0.5	0.62	7th well evacuation from 11:30 until 11:45		
	g	5/31/2013	11:45	41.42	0	0	Well evacuation complete	382	0.9
			11:50	41.35	0.08	0.07			
			11:55	41.29	0.17	0.13			
			12:00	41.18	0.25	0.24			
			12:05	41.08	0.33	0.34			
			12:10	40.96	0.42	0.46			
			12:15	40.85	0.5	0.57			
5	a	8/30/2013	8:15	40.95	0	0.47	1st well evacuation completed from 8:00 to 8:15		1.7
			8:20	40.65	0.08	0.77			
			8:25	40.36	0.17	1.06			
			8:30	40.18	0.25	1.24			
			8:35	39.91	0.33	1.51			
			8:40	39.75	0.42	1.67			
			8:45	39.68	0.5	1.74	2nd well evacuation from 8:45 until 9:00		
	b	8/30/2013	9:00	41.12	0	0.3	Well evacuation complete		2.1
			9:05	40.89	0.08	0.53			
			9:10	40.70	0.17	0.72			
			9:15	40.56	0.25	0.86			
			9:20	40.52	0.33	0.9			
			9:25	40.45	0.42	0.97			
			9:30	40.31	0.5	1.11	3rd well evacuation from 9:30 until 9:45		
	c	8/30/2013	9:45	41.21	0	0.21	Well evacuation complete		1.3
			9:50	40.89	0.08	0.53			
			9:55	40.69	0.17	0.73			
			10:00	40.52	0.25	0.9			
			10:05	40.47	0.33	0.95			
			10:10	40.31	0.42	1.11			
			10:15	40.24	0.5	1.18	4th well evacuation from 10:15 until 10:30		
	d	8/30/2013	10:30	41.01	0	0.41	Well evacuation complete		1.1
			10:35	40.91	0.08	0.51			
			10:40	40.81	0.17	0.61			
			10:45	39.93	0.25	1.49			
			10:50	39.84	0.33	1.58			
			10:55	39.78	0.42	1.64			
			11:00	39.74	0.5	1.68	5th well evacuation from 11:00 until 11:15		
	e	8/30/2013	11:15	40.22	0	1.2	Well evacuation complete		0.7
			11:20	39.99	0.08	1.43			
			11:25	39.83	0.17	1.59			
			11:30	39.78	0.25	1.64			
			11:35	39.70	0.33	1.72			
			11:40	39.62	0.42	1.8			
			11:45	39.57	0.5	1.85	6th well evacuation from 11:45 until 12:00		
	f	8/30/2013	12:00	40.18	0	1.24	Well evacuation complete		0.9
			12:05	40.00	0.08	1.42			
			12:10	39.97	0.17	1.45			
			12:15	39.93	0.25	1.49			
			12:20	39.89	0.33	1.53			
			12:25	39.85	0.42	1.57			
			12:30	39.80	0.5	1.62	7th well evacuation from 12:30 until 12:45		

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5	g	8/30/2013	12:45	40.15	0	1.27	Well evacuation complete	170	0.5
			12:50	39.95	0.08	1.47			
			12:55	39.86	0.17	1.56			
			13:00	39.83	0.25	1.59			
			13:05	39.79	0.33	1.63			
			13:10	39.81	0.42	1.61			
			13:15	39.79	0.5	1.63			
6	a	11/26/2013	13:15	38.51	0	2.91	1st well evacuation completed from 13:00 to 13:15		0.0
			13:20	38.22	0.08	3.2			
			13:25	37.70	0.17	3.72			
			13:30	37.40	0.25	4.02			
			13:35	37.29	0.33	4.13			
			13:40	37.25	0.42	4.17			
			13:45	37.19	0.5	4.23	2nd well evacuation from 13:45 to 14:00		
	b	11/26/2013	14:00	37.86	0	3.56	Well evacuation complete		1.0
			14:05	37.73	0.08	3.69			
			14:10	37.61	0.17	3.81			
			14:15	37.53	0.25	3.89			
			14:20	37.44	0.33	3.98			
			14:25	37.37	0.42	4.05			
			14:30	37.31	0.5	4.11	3rd well evacuation from 14:30 to 14:45		
	c	11/26/2013	14:45	ND	0	0	Well evacuation complete		6.0
			14:50	41.40	0.08	0.02			
			14:55	41.38	0.17	0.04			
			15:00	41.22	0.25	0.2			
			15:05	41.09	0.33	0.33			
			15:10	39.98	0.42	1.44			
			15:15	39.87	0.5	1.55	4th well evacuation from 15:15 to 15:30		
	d	11/26/2013	15:30	ND	0	0	Well evacuation complete		2.3
			15:35	ND	0.08	0			
			15:40	41.38	0.17	0.04			
			15:45	41.29	0.25	0.13			
			15:50	41.25	0.33	0.17			
			15:55	41.16	0.42	0.26			
			16:00	41.03	0.5	0.39	5th well evacuation from 16:00 to 16:15		
	e	11/26/2013	16:15	ND	0	0	Well evacuation complete	190	0.6
			16:20	ND	0.08	0			
			16:25	41.40	0.17	0.02			
			16:30	41.35	0.25	0.07			
			16:35	41.30	0.33	0.12			
			16:40	41.21	0.42	0.21			
			16:45	41.15	0.5	0.27			
7	a	3/28/2014	8:30	39.97	0	1.45	1st well evacuation completed from 8:15 to 8:30		0.1
			8:35	37.88	0.08	3.54			
			8:40	35.87	0.17	5.55			
			8:45	37.20	0.25	4.22			
			8:50	37.05	0.33	4.37			
			8:55	37.16	0.42	4.26			
			9:00	37.11	0.5	4.31	2nd well evacuation from 9:00 to 9:15		
	b	3/28/2014	9:15	38.71	0	2.71	Well evacuation complete		2.3
			9:20	38.63	0.08	2.79			
			9:25	38.32	0.17	3.1			
			9:30	38.30	0.25	3.12			
			9:35	38.22	0.33	3.2			
			9:40	38.13	0.42	3.29			
			9:45	38.00	0.5	3.42	3rd well evacuation from 9:45 to 10:00		
	c	3/28/2014	10:00	38.71	0	2.71	Well evacuation complete		1.0
			10:05	38.62	0.08	2.8			
			10:10	38.31	0.17	3.11			
			10:15	38.28	0.25	3.14			
			10:20	38.18	0.33	3.24			
			10:25	38.10	0.42	3.32			
			10:30	38.08	0.5	3.34	4th well evacuation from 1615 to 1645		
	d	3/28/2014	10:45	38.72	0	2.7	Well evacuation complete		0.9
			10:50	38.63	0.08	2.79			
			10:55	38.48	0.17	2.94			
			11:00	38.67	0.25	2.75			
			11:05	38.57	0.33	2.85			
			11:10	38.46	0.42	2.96			
			11:15	38.43	0.5	2.99	5th well evacuation from 11:15 to 11:30		

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			11:30	39.05	0	2.37	Well evacuation complete		0.9
			11:35	39.05	0.08	2.37			
			11:40	39.04	0.17	2.38			
	e	3/28/2014	11:45	38.90	0.25	2.52			
			11:50	38.83	0.33	2.59			
			11:55	38.77	0.42	2.65			
			12:00	38.70	0.5	2.72	6th well evacuation from 12:00 to 12:15		
			12:15	38.95	0	2.47	Well evacuation complete		0.4
			12:20	39.12	0.08	2.3			
			12:25	39.00	0.17	2.42			
7	f	3/28/2014	12:30	39.00	0.25	2.42			
			12:35	38.73	0.33	2.69			
			12:40	38.71	0.42	2.71			
			12:45	38.70	0.5	2.72	7th well evacuation from 12:45 to 13:00		
			13:00	39.21	0	2.21	Well evacuation complete	382	0.7
			13:05	39.20	0.08	2.22			
			13:10	39.18	0.17	2.24			
	g	3/28/2014	13:15	39.13	0.25	2.29			
			13:20	38.73	0.33	2.69			
			13:25	38.71	0.42	2.71			
			13:30	38.70	0.5	2.72			
			8:15	36.78	0	4.64	1st well evacuation completed from 8:15 to 8:30		0*
			8:20	36.41	0.08	5.01			
			8:25	35.65	0.17	5.77			
	a	6/6/2014	8:30	35.23	0.25	6.19			
			8:35	34.99	0.33	6.43			
			8:40	34.92	0.42	6.5			
			8:45	35.21	0.5	6.21	2nd well evacuation from 8:45 to 9:00		
			9:00	37.22	0	4.2	Well evacuation complete		3.0
			9:05	37.01	0.08	4.41			
			9:10	36.98	0.17	4.44			
	b	6/6/2014	9:15	36.91	0.25	4.51			
			9:20	36.81	0.33	4.61			
			9:25	36.72	0.42	4.7			
			9:30	36.70	0.5	4.72	3rd well evacuation from 9:30 to 9:45		
			9:45	37.44	0	3.98	Well evacuation complete		1.1
			9:50	37.22	0.08	4.2			
			9:55	37.01	0.17	4.41			
	c	6/6/2014	10:00	37.00	0.25	4.42			
			10:05	36.87	0.33	4.55			
			10:10	36.81	0.42	4.61			
			10:15	36.79	0.5	4.63	4th well evacuation from 10:15 to 10:30		
			10:30	36.90	0	4.52	Well evacuation complete		0.2
			10:35	36.80	0.08	4.62			
			10:40	36.71	0.17	4.71			
8	d	6/6/2014	10:45	36.62	0.25	4.8			
			10:50	36.57	0.33	4.85			
			10:55	36.53	0.42	4.89			
			11:00	36.51	0.5	4.91	5th well evacuation from 11:00 to 11:15		
			11:15	36.21	0	5.21	Well evacuation complete		0*
			11:20	36.11	0.08	5.31			
			11:25	36.02	0.17	5.4			
	e	6/6/2014	11:30	35.98	0.25	5.44			
			11:35	35.96	0.33	5.46			
			11:40	35.96	0.42	5.46			
			11:45	35.93	0.5	5.49	6th well evacuation from 11:45 to 12:00		
			12:00	35.93	0	5.49	Well evacuation complete		0.0
			12:05	35.81	0.08	5.61			
			12:10	35.79	0.17	5.63			
	f	6/6/2014	12:15	35.68	0.25	5.74			
			12:20	35.52	0.33	5.9			
			12:25	35.42	0.42	6			
			12:30	35.38	0.5	6.04	7th well evacuation from 12:30 to 12:45		
			12:45	35.74	0	5.68	Well evacuation complete	304	0.5
			12:50	35.65	0.08	5.77			
			12:55	35.89	0.17	5.53			
	g	6/6/2014	13:00	35.81	0.25	5.61			
			13:05	35.78	0.33	5.64			
			13:10	35.63	0.42	5.79			
			13:15	35.53	0.5	5.89			

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9	a	10/16/2014	8:55	39.70	0	1.72	1st well evacuation completed from 8:40 to 8:55		7.1
			9:00	39.35	0.08	2.07			
			9:05	38.97	0.17	2.45			
			9:10	38.72	0.25	2.7			
			9:15	37.61	0.33	3.81			
			9:20	36.83	0.42	4.59			
			9:25	35.34	0.5	6.08	2nd well evacuation from 9:25 to 9:40		
	b	10/16/2014	9:40	39.86	0	1.56	Well evacuation complete		6.6
			9:45	38.06	0.08	3.36			
			9:50	38.29	0.17	3.13			
			9:55	37.64	0.25	3.78			
			10:00	37.48	0.33	3.94			
			10:05	37.31	0.42	4.11			
			10:10	37.14	0.5	4.28	3rd well evacuation from 10:10 to 10:25		
	c	10/16/2014	10:25	37.79	0	3.63	Well evacuation complete		1.0
			10:30	36.36	0.08	5.06			
			10:35	36.89	0.17	4.53			
			10:40	36.45	0.25	4.97			
			10:45	36.01	0.33	5.41			
			10:50	35.74	0.42	5.68			
			10:55	35.41	0.5	6.01	4th well evacuation from 10:55 to 11:10		
	d	10/16/2014	11:10	39.71	0	1.71	Well evacuation complete		6.3
			11:15	39.62	0.08	1.8			
			11:20	39.41	0.17	2.01			
			11:25	39.41	0.25	2.01			
			11:30	39.27	0.33	2.15			
			11:35	39.24	0.42	2.18			
			11:40	39.24	0.5	2.18	5th well evacuation from 11:40 to 11:55		
	e	10/16/2014	11:55	38.74	0	2.68	Well evacuation complete		0*
			12:00	36.74	0.08	4.68			
			12:05	36.69	0.17	4.73			
			12:10	36.55	0.25	4.87			
			12:15	36.40	0.33	5.02			
			12:20	36.25	0.42	5.17			
			12:25	36.11	0.5	5.31	6th well evacuation from 12:50 to 13:05		
	f	10/16/2014	13:05	41.41	0	0.01	Well evacuation complete	304	7.8
			13:10	41.41	0.08	0.01	Interface probe possibly malfunctioning (NAPL on probe, but probe was not sounding)		
			13:15	41.41	0.17	0.01			
			13:20	41.41	0.25	0.01			
			13:25	41.41	0.33	0.01			
			13:30	41.41	0.42	0.01			
			13:35	41.41	0.5	0.01			
10	a	12/18/2014	9:15	39.95	0	1.47	1st well evacuation completed from 9:00 to 9:15		0.1
			9:20	39.80	0.08	1.62			
			9:25	39.65	0.17	1.77			
			9:30	39.52	0.25	1.9			
			9:35	39.41	0.33	2.01			
			9:40	39.28	0.42	2.14			
			9:45	39.15	0.5	2.27	2nd well evacuation from 9:45 to 10:00		
	b	12/18/2014	10:00	39.64	0	1.78	Well evacuation complete		0.7
			10:05	39.50	0.08	1.92			
			10:10	39.36	0.17	2.06			
			10:15	39.25	0.25	2.17			
			10:20	39.19	0.33	2.23			
			10:25	39.13	0.42	2.29			
			10:30	39.08	0.5	2.34	3rd well evacuation from 10:30 to 10:45		

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10	c	12/18/2014	10:45	39.16	0	2.26	Well evacuation complete		0.1
			10:50	39.00	0.08	2.42			
			10:55	38.94	0.17	2.48			
			11:00	38.85	0.25	2.57			
			11:05	38.79	0.33	2.63			
			11:10	38.71	0.42	2.71			
			11:15	38.63	0.5	2.79	4th well evacuation from 11:15 to 11:30		
	d	12/18/2014	11:30	39.99	0	1.43	Well evacuation complete		2.0
			11:35	39.95	0.08	1.47			
			11:40	39.89	0.17	1.53			
			11:45	39.83	0.25	1.59			
			11:50	39.76	0.33	1.66			
			11:55	39.70	0.42	1.72			
			12:00	39.72	0.5	1.7	5th well evacuation from 12:00 to 12:15		
	e	12/18/2014	12:15	40.20	0	1.22	Well evacuation complete		0.7
			12:20	40.05	0.08	1.37			
			12:25	39.85	0.17	1.57			
			12:30	39.80	0.25	1.62			
			12:35	39.78	0.33	1.64			
			12:40	39.77	0.42	1.65			
			12:45	39.76	0.5	1.66	6th well evacuation from 12:50 to 13:05		
	f	12/18/2014	13:00	40.50	0	0.92	Well evacuation complete	95	1.1
			13:05	40.35	0.08	1.07			
			13:10	40.31	0.17	1.11			
			13:15	40.26	0.25	1.16			
			13:20	40.22	0.33	1.2			
			13:25	40.20	0.42	1.22			
			13:30	40.16	0.5	1.26			
11	a	3/19/2015	10:11	41.21	0	0.31	1st well evacuation completed from 9:56 to 10:11		0.4
			10:16	41.15	0.08	0.37			
			10:21	41.02	0.17	0.5			
			10:26	40.89	0.25	0.63			
			10:31	40.72	0.33	0.8			
			10:36	40.65	0.42	0.87			
			10:41	40.56	0.5	0.96	2nd well evacuation from 10:50 to 11:05		
	b	3/19/2015	11:06	40.20	0	1.32	Well evacuation complete		0*
			11:11	39.89	0.08	1.63			
			11:16	39.89	0.17	1.63			
			11:21	39.82	0.25	1.7			
			11:26	39.75	0.33	1.77			
			11:31	39.60	0.42	1.92			
			11:36	39.54	0.5	1.98	3rd well evacuation from 11:38 to 11:53		
	c	3/19/2015	11:54	40.05	0	1.47	Well evacuation complete		0.7
			11:59	40.05	0.08	1.47			
			12:04	39.98	0.17	1.54			
			12:09	39.87	0.25	1.65			
			12:14	39.75	0.33	1.77			
			12:19	- -	0.42	- -			
			12:24	39.60	0.5	1.92	4th well evacuation from 12:27 to 12:42		
	d	3/19/2015	12:43	40.01	0	1.51	Well evacuation complete		0.6
			12:48	39.93	0.08	1.59			
			12:53	39.82	0.17	1.7			
			12:58	39.66	0.25	1.86			
			13:03	39.75	0.33	1.77			
			13:08	39.60	0.42	1.92			
			13:13	39.81	0.5	1.71	5th well evacuation from 13:15 to 13:35		
	e	3/19/2015	13:36	40.20	0	1.32	Well evacuation complete		0.6
			13:41	- -	0.08	- -			
			13:46	39.90	0.17	1.62			
			13:51	39.90	0.25	1.62			
			13:56	39.98	0.33	1.54			
			14:01	40.03	0.42	1.49			
			14:06	40.05	0.5	1.47	6th well evacuation from 14:10 to 14:25		

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11	f	3/19/2015	14:29	39.40	0	2.12	Well evacuation complete	180	0*
			14:34	39.75	0.08	1.77			
			14:39	40.60	0.17	0.92			
			14:44	39.79	0.25	1.73			
			14:49	40.21	0.33	1.31			
			14:54	40.36	0.42	1.16			
			14:59	40.45	0.5	1.07			
12	a	6/26/2015	8:35	- -	0	- -	1st well evacuation completed from 8:27 to 8:32		3.1
			8:40	40.85	0.08	0.67			
			8:45	40.42	0.17	1.1			
			8:50	40.40	0.25	1.12			
			8:55	40.14	0.33	1.38			
			9:00	39.90	0.42	1.62			
			9:05	39.90	0.5	1.62	2nd well evacuation from 9:10 to 9:15		
	b	6/26/2015	9:20	41.45	0	0.07	Well evacuation complete		2.3
			9:25	41.18	0.08	0.34			
			9:30	41.09	0.17	0.43			
			9:35	40.72	0.25	0.8			
			9:40	40.54	0.33	0.98			
			9:45	40.42	0.42	1.1			
			9:50	40.28	0.5	1.24	3rd well evacuation from 9:55 to 10:00		
	c	6/26/2015	10:05	41.45	0	0.07	Well evacuation complete		1.7
			10:10	41.34	0.08	0.18			
			10:15	41.32	0.17	0.2			
			10:20	41.26	0.25	0.26			
			10:25	41.17	0.33	0.35			
			10:30	41.11	0.42	0.41			
			10:35	41.09	0.5	0.43	4th well evacuation from 10:40 to 10:45		
	d	6/26/2015	10:50	41.50	0	0.02	Well evacuation complete		0.6
			10:55	41.45	0.08	0.07			
			11:00	41.40	0.17	0.12			
			11:05	41.38	0.25	0.14			
			11:10	41.34	0.33	0.18			
			11:15	41.29	0.42	0.23	5th well evacuation from 11:22 to 11:27		
	e	6/26/2015	11:30	41.45	0	0.07	Well evacuation complete		0.2
			11:35	41.45	0.08	0.07			
			11:40	41.44	0.17	0.08			
			11:45	41.44	0.25	0.08			
			11:50	41.44	0.33	0.08			
			11:55	41.40	0.42	0.12	6th well evacuation from 12:00 to 12:05		
	f	6/26/2015	12:10	41.45	0	0.07	Well evacuation complete	140	0.1
			12:15	41.45	0.08	0.07			
			12:20	41.43	0.17	0.09			
			12:25	41.43	0.25	0.09			
			12:30	41.43	0.33	0.09			
			12:35	41.43	0.42	0.09			
13	a	9/24/2015	10:10	40.08	0	1.44	1st well evacuation completed from 9:55 to 10:10		0*
			10:15	40.22	0.08	1.3			
			10:20	40.34	0.17	1.18			
			10:25	40.35	0.25	1.17			
			10:30	40.34	0.33	1.18			
			10:35	40.33	0.42	1.19			
			10:40	40.32	0.5	1.2	2nd well evacuation from 10:45 to 10:55		
	b	9/24/2015	10:55	40.55	0	0.97	Well evacuation complete		0.3
			11:00	40.71	0.08	0.81			
			11:05	41.10	0.17	0.42			
			11:10	41.10	0.25	0.42			
			11:15	41.08	0.33	0.44			
			11:20	41.08	0.42	0.44			
			11:25	41.05	0.5	0.47	3rd well evacuation from 11:40 to 11:50		

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13	c	9/24/2015	11:55	41.30	0	0.22	Well evacuation complete		0.4
			12:00	41.27	0.08	0.25			
			12:05	41.27	0.17	0.25			
			12:10	41.25	0.25	0.27			
			12:15	41.25	0.33	0.27			
			12:20	41.25	0.42	0.27			
			12:25	41.25	0.5	0.27	4th well evacuation from 12:30 to 12:40		
	d	9/24/2015	12:45	41.35	0	0.17	Well evacuation complete		0.1
			12:50	41.25	0.08	0.27			
			12:55	41.25	0.17	0.27			
			13:00	41.25	0.25	0.27			
			13:05	41.25	0.33	0.27			
			13:10	41.24	0.42	0.28			
			13:15	41.24	0.5	0.28	5th well evacuation from 13:20 to 13:30		
	e	9/24/2015	13:35	41.35	0	0.17	Well evacuation complete		0.2
			13:40	41.37	0.08	0.15			
			13:45	41.33	0.17	0.19			
			13:50	41.33	0.25	0.19			
			13:55	41.33	0.33	0.19			
			14:00	41.32	0.42	0.2			
			14:05	41.32	0.5	0.2	6th well evacuation from 14:10 to 14:15		
	f	9/24/2015	14:20	41.35	0	0.17	Well evacuation complete	100	0.0
			14:25	41.35	0.08	0.17			
			14:30	41.33	0.17	0.19			
			14:35	41.32	0.25	0.2			
			14:40	41.32	0.33	0.2			
			14:45	41.32	0.42	0.2			
			14:50	41.32	0.5	0.2			
14	a	12/1/2015	9:00	40.85	0	0.67	1st well evacuation completed from 8:40 to 8:55		0.0
			9:05	40.87	0.08	0.65			
			9:10	40.89	0.17	0.63			
			9:15	40.91	0.25	0.61			
			9:20	40.92	0.33	0.6			
			9:25	40.92	0.42	0.6			
			9:30	40.92	0.5	0.6	2nd well evacuation from 9:35 to 9:50		
	b	12/1/2015	9:55	41.09	0	0.43	Well evacuation complete		0.2
			10:00	41.08	0.08	0.44			
			10:05	41.08	0.17	0.44			
			10:10	41.07	0.25	0.45			
			10:15	41.05	0.33	0.47			
			10:20	41.05	0.42	0.47			
			10:25	41.04	0.5	0.48	3rd well evacuation from 10:30 to 10:45		
	c	12/1/2015	10:50	41.47	0	0.05	Well evacuation complete		0.6
			10:55	41.47	0.08	0.05			
			11:00	41.47	0.17	0.05			
			11:05	41.47	0.25	0.05			
			11:10	41.47	0.33	0.05			
			11:15	41.47	0.42	0.05			
			11:20	41.47	0.5	0.05	4th well evacuation from 11:25 to 11:40		
	d	12/1/2015	11:45	ND	0	0	Well evacuation complete		0.1
			11:50	ND	0.08	0			
			11:55	ND	0.17	0			
			12:00	ND	0.25	0			
			12:05	ND	0.33	0			
			12:10	ND	0.42	0			
			12:15	ND	0.5	0	5th well evacuation from 12:20 to 12:35		

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14	e	12/1/2015	12:35	ND	0	0	Well evacuation complete		0.0
			12:40	ND	0.08	0			
			12:45	ND	0.17	0			
			12:50	41.47	0.25	0.05			
			12:55	41.47	0.33	0.05			
			13:00	41.47	0.42	0.05			
			13:05	41.47	0.5	0.05	6th well evacuation from 13:10 to 13:25		
	f	12/1/2015	13:25	ND	0	0	Well evacuation complete		0.1
			13:30	ND	0.08	0			
			13:35	ND	0.17	0			
			13:40	41.47	0.25	0.05			
			13:45	41.47	0.33	0.05			
			13:50	41.47	0.42	0.05			
			13:55	41.47	0.5	0.05	7th well evacuation from 14:00 to 14:15		
	g	12/1/2015	14:15	ND	0	0	Well evacuation complete	110	0.1
			14:20	ND	0.08	0			
			14:25	ND	0.17	0			
			14:30	ND	0.25	0			
			14:35	ND	0.33	0			
			14:40	41.47	0.42	0.05			
			14:45	41.47	0.5	0.05			
15	a	3/22/2016	10:55	ND	0	0	1st well evacuation completed from 10:40 to 10:55		0.0
			11:00	ND	0.08	0			
			11:05	ND	0.17	0			
			11:10	ND	0.25	0	* IP appreared to not be responding. Well had run dry following the 1st evacuation.		
			11:15	ND	0.33	0			
			11:20	ND	0.42	0			
			11:25	ND	0.5	0	2nd well evacuation fom 13:10 until 13:25		
	b	3/22/2016	13:25	ND	0	0	Well evacuation complete	60	0.0
			13:30	ND	0.08	0			
			13:35	ND	0.17	0			
			13:40	ND	0.25	0	* IP appreared to not be responding. Well had run dry following the 1st evacuation.		
			13:45	ND	0.33	0			
			13:50	ND	0.42	0			
			13:55	ND	0.5	0			
16	a	6/30/2016	9:15	41.73**	0	0	1st well evacuation completed from 9:00 to 9:15		0.8
			9:20	ND	0.08	0			
			9:25	ND	0.17	0			
			9:30	ND	0.25	0			
			9:35	ND	0.33	0			
			9:40	ND	0.42	0			
			9:45	ND	0.5	0	2nd well evacuation fom 9:45 until 10:00		
	b	6/30/2016	10:00	ND	0	0	Well evacuation complete	45	0.0
			10:05	ND	0.08	0			
			10:10	ND	0.17	0			
			10:15	ND	0.25	0			
			10:20	ND	0.33	0			
			10:25	ND	0.42	0			
			10:30	ND	0.5	0	minute gauging.		
	a	9/29/2016	9:45	41.25	0	0.22	1st well evacuation completed from 9:30 to 9:45		0.1
			9:50	41.25	0.08	0.22			
			9:55	41.20	0.17	0.27			
			10:00	41.20	0.25	0.27			
			10:05	41.20	0.33	0.27			
			10:10	41.20	0.42	0.27	2nd well evacuation fom 10:20 until 10:35		
	b	9/29/2016	10:35	41.20	0	0.27	Well evacuation complete		0.0
			10:40	41.20	0.08	0.27			
			10:45	41.20	0.17	0.27			
			10:50	41.20	0.25	0.27			
			10:55	41.20	0.33	0.27			
			11:00	41.20	0.42	0.27			

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17			11:05	41.20	0.5	0.27	3rd well evacuation fom 11:10 until 11:25		
	c	9/29/2016	11:25	41.23	0	0.24	Well evacuation complete		0.04
			11:30	41.23	0.08	0.24			
			11:35	41.23	0.17	0.24			
			11:40	41.23	0.25	0.24			
			11:50	41.23	0.42	0.24			
			11:55	41.23	0.5	0.24	4th well evacuation fom 12:10 until 12:25		
	d	9/29/2016	12:25	41.23	0	0.24	Well evacuation complete		0.0
			12:30	41.23	0.08	0.24			
			12:35	41.23	0.17	0.24			
			12:40	41.23	0.25	0.24			
			12:45	41.23	0.33	0.24			
			12:50	41.23	0.42	0.24			
			12:55	41.23	0.5	0.24	4th well evacuation fom 13:15 until 13:30		
	e	9/29/2016	13:30	41.23	0	0.24	Well evacuation complete	45	0.0
			13:35	41.23	0.08	0.24			
			13:40	41.23	0.17	0.24			
			13:45	41.23	0.25	0.24			
			13:50	41.23	0.33	0.24			
			13:55	41.23	0.42	0.24			
			14:00	41.23	0.5	0.24			
□ot□l □eco□er□to □□te□								□□6□	122□1

□**otes**:
1. DNAPL = dense non-aqueous phase liquid.
2. gals = gallons.
3. * = indicates volume of DNAPL removed could not be calculated for the time interval based on field measurements.

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7/25/2012	216	9.2	- -	- -	4.259%
11/15/2012	232	12.3	113	0.109	5.302%
2/28/2013	508	14.8	105	0.141	2.913%
5/31/2013	382	9.7	92	0.105	2.539%
8/30/2013	170	8.3	91	0.091	4.882%
11/26/2013	190	9.9	88	0.113	5.211%
3/28/2014	382	6.3	122	0.052	1.649%
6/6/2014	304	4.8	70	0.069	1.579%
10/16/2014	304	28.8	132	0.218	9.474%
12/18/2014	95	4.7	63	0.075	4.947%
3/19/2015	180	2.3	91	0.025	1.278%
6/26/2015	140	8	99	0.081	5.714%
9/24/2015	309	1	90	0.011	0.324%
12/1/2015	110	1.1	68	0.016	1.000%
3/22/2016	60	0*	112	0*	0*
6/30/2016	45	0.1	100	0.001	0.222%
9/29/2016	45	0.04	91	0.00044	0.089%
□ot□l	**□6□2**	**121□□□**	**- -**	**- -**	**□□□0□□**

□otes:
1. DNAPL = dense non-aqueous phase liquid.
2. gal = gallons.
3. * = indicates volume of DNAPL removed could not be calculated for the time interval based on field measurements.

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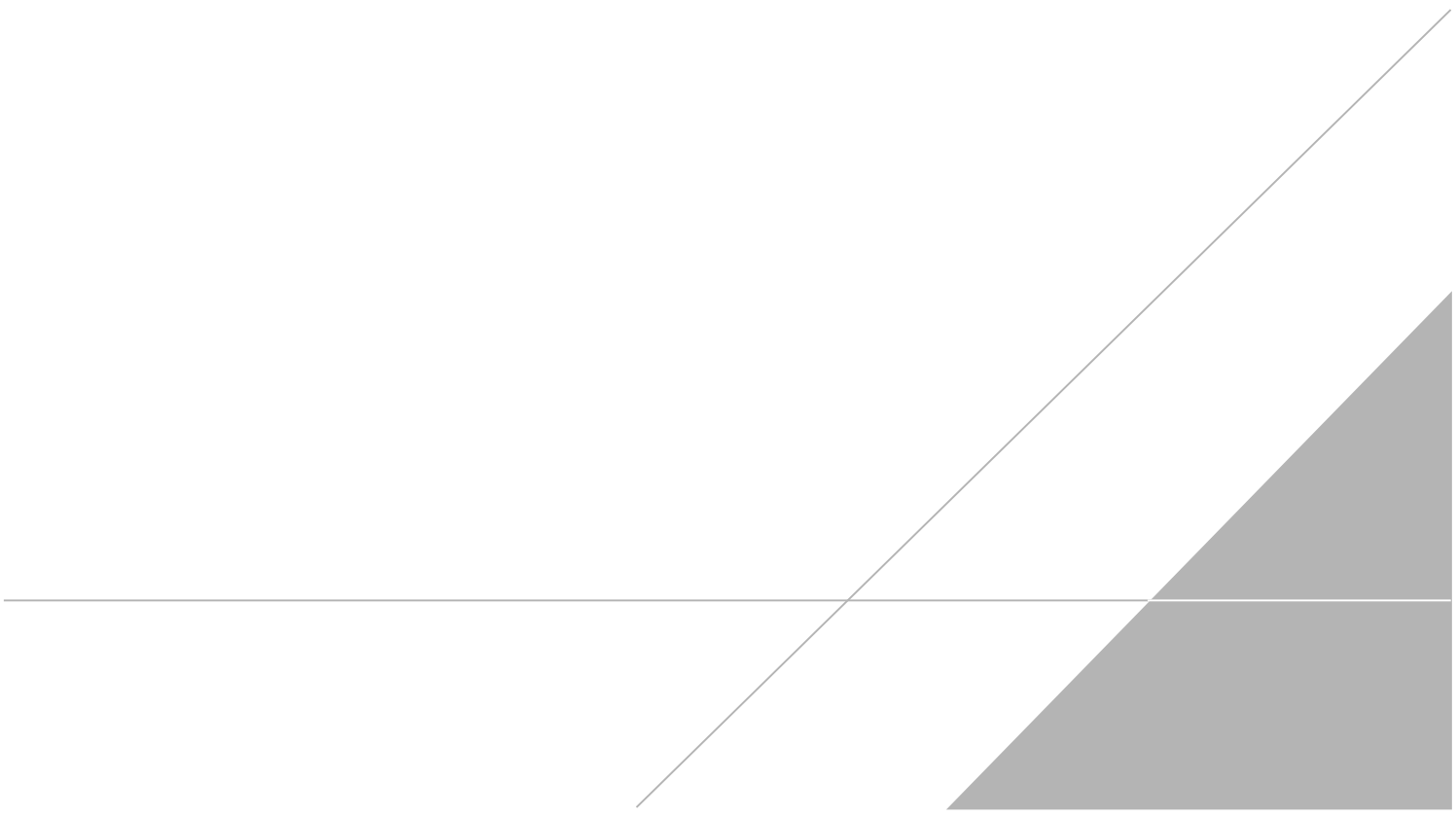
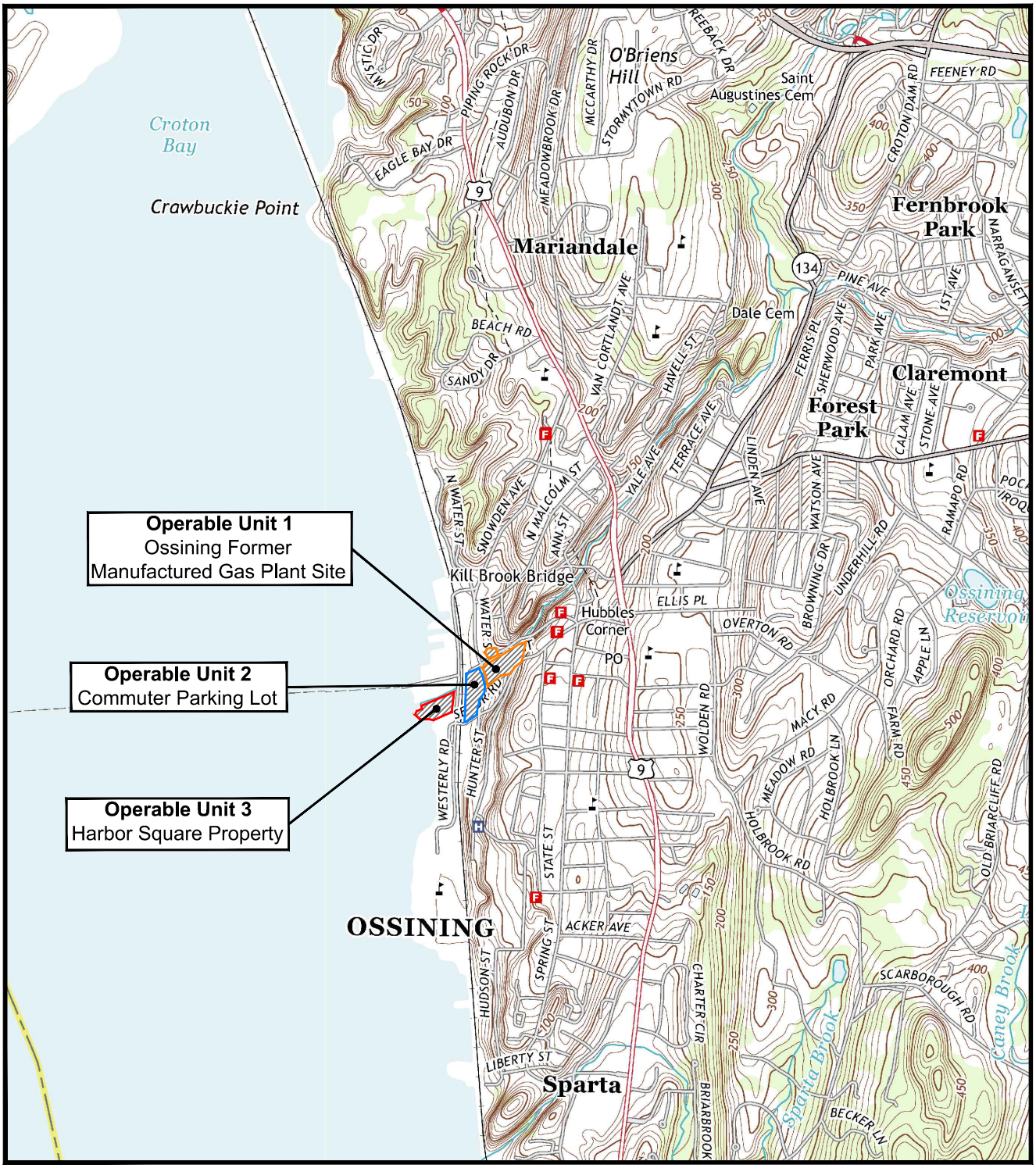
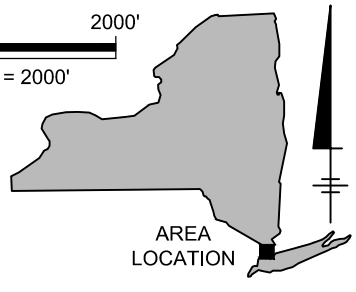




REFERENCE: BASE MAP USGS 7.5 MIN. QUAD., OSSINING, NY & HAVERSTRAW, NY, 2013.

2000' 0 2000'

Approximate Scale: 1" = 2000'



CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER OSSINING WORKS MANUFACTURED GAS PLANT SITE
OSSINING, NEW YORK
HARBOR SQUARE DNAPL RECOVERY

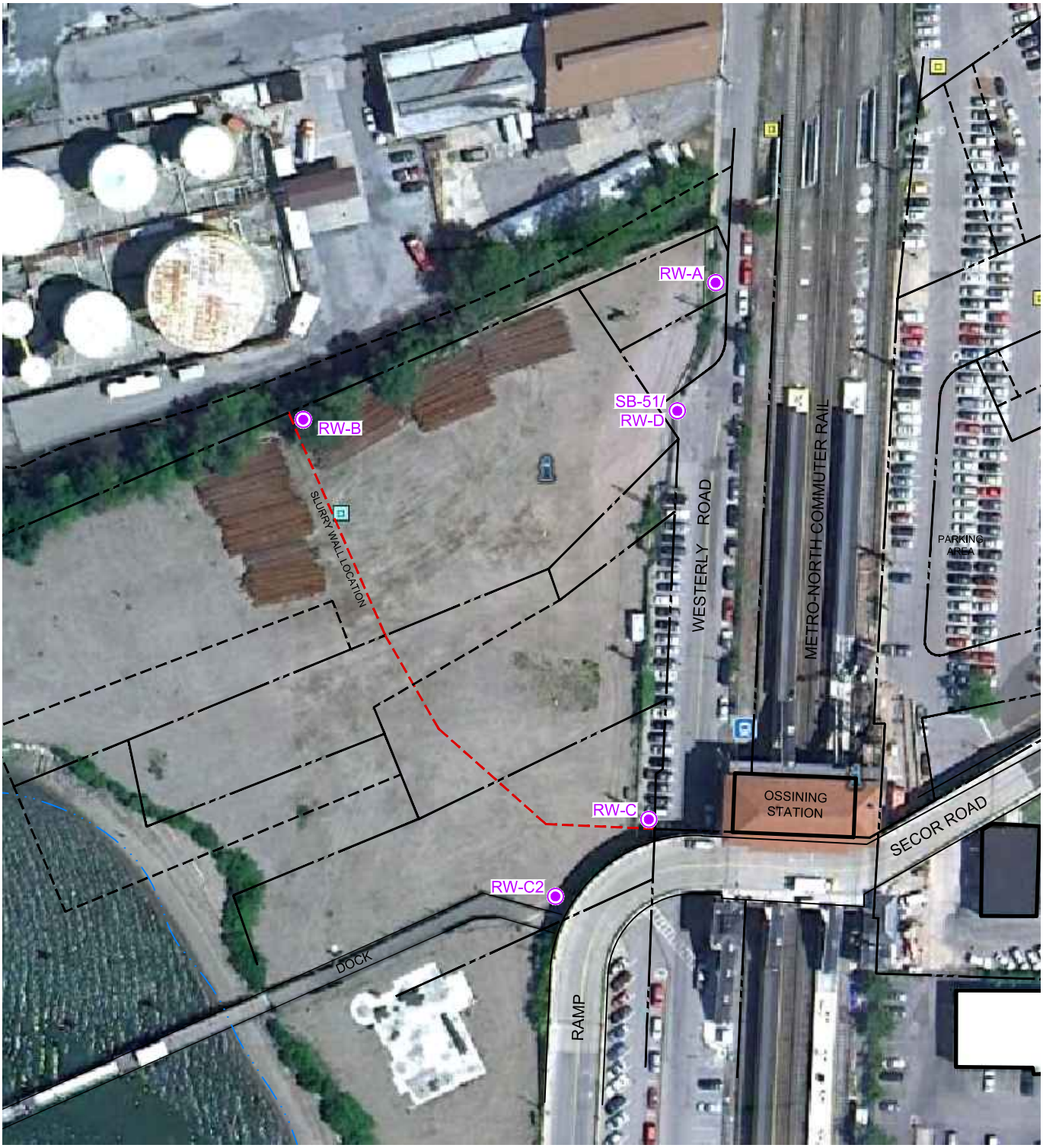
2016 ANNUAL MONITORING REPORT

SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1

CITY: SYRACUSE NY DIV/GROUP: ENVCAD DB: E.KRAHMER LD: (Opt) PIC: M. MILLER PM/TM: M. JONES TR: M. HYSELL LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIVE\B004302S\0010\00020\DWG\43025N01.dwg LAYOUT: 1 SAVED: 3/20/2017 4:15 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/20/2017 4:16 PM BY: KRAHMER, ERIC
XREFS: IMAGES: PROJECTNAME: ---
NY_Haverstraw_20130315_TM_geo.tiff
NY_Ossining_20130319_TM_geo.tiff



0 100' 200'

GRAPHIC SCALE

LEGEND:

RW-C2 ◉ RECOVERY WELL

NOTE:

IMAGE FROM GOOGLE EARTH.

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER OSSINING WORKS MANUFACTURED GAS PLANT SITE
OSSINING, NEW YORK
HARBOR SQUARE DNAPL RECOVERY

2016 ANNUAL MONITORING REPORT

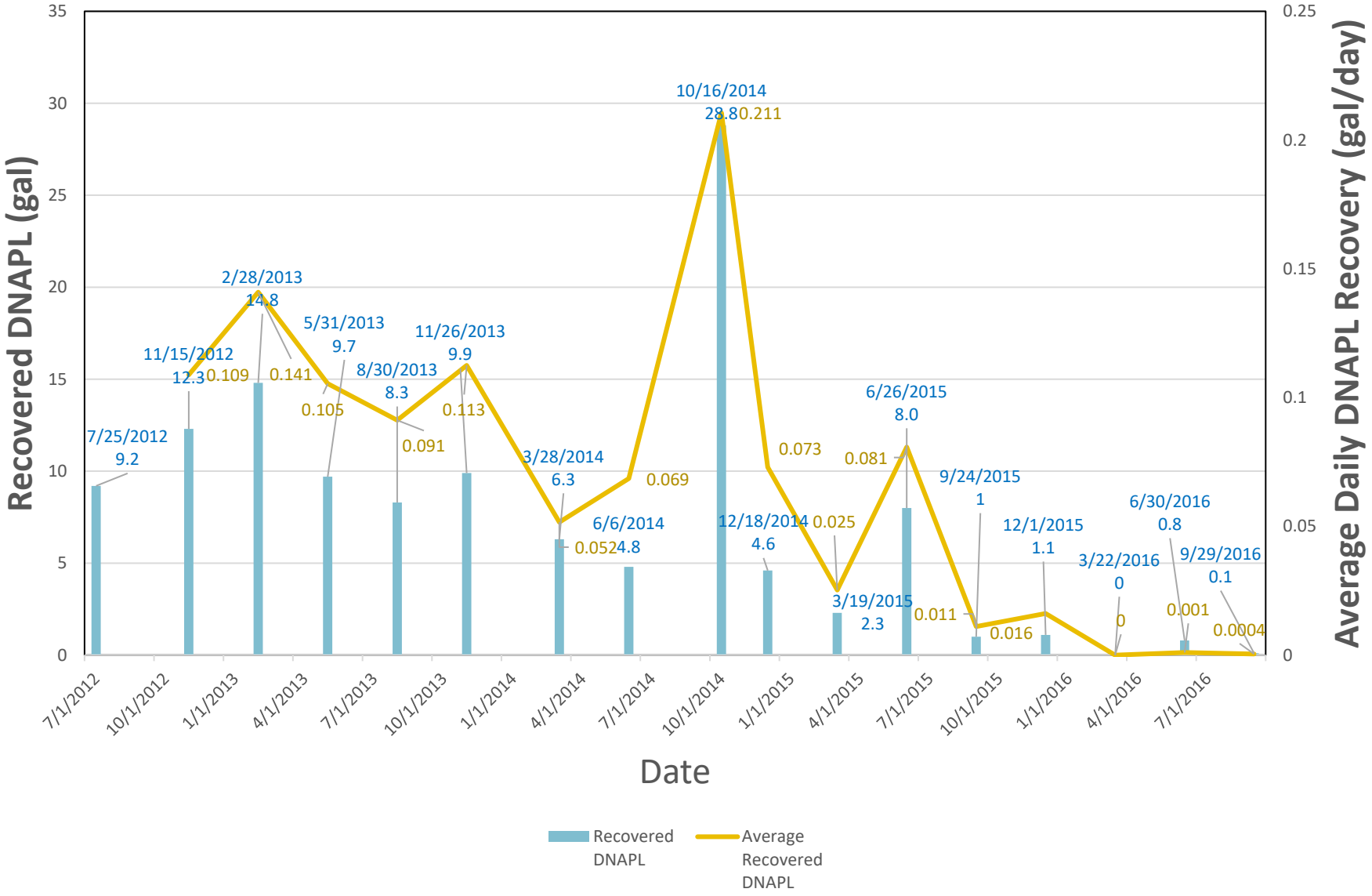
EXISTING RECOVERY WELL MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE **2**

CITY: SYRACUSE NY DIV/GROUP: ENVCAD DB: E.KRAHMER LD:(Opt) PIC: M. MILLER PM/TM: M. JONES TR: M. HYSELL LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIVE\B004302S\0010\0020\DWG\43025B01.dwg LAYOUT: 2 SAVED: 3/20/2017 4:18 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/20/2017 4:18 PM BY: KRAHMER, ERIC
XREFS: IMAGES: aerial.bmp 2852_001.tif Ossining Block 4 to 8 and RR.TIF PROJECTNAME: ---

Figure 3
Measured DNAPL Recovery by Date for RW-D



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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000158535
2. Page 1 of: 1
3. Emergency Response Phone: (908) 354-0210
4. Manifest Tracking Number: 015626026 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address): 1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC
U.S. EPA ID Number: NJ0000627103

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

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002280046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vo.	13. Waste Codes		
RQ	1. NA3082 HAZARDOUS WASTE, LIQUID, N.O.S.(BENZENE) 9 PG III (RQ D018 10#) ERG# 171	XX1	TT	609	G	D018	T	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/187652/331984 CVI Job # 54838-01-05
(1)ID-7 CONTAMINATED GROUND WATER
Veh# 169
Dr.#10514 PT# AN8777

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Charles Cabrera
Signature:
Month: 3 Day: 21 Year: 16

INT'L

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible]
Signature:
Month: 3 Day: 30 Year: 16
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
FIRST PAGE WAS GIVEN TO GENERATOR
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Helen Ellis
Signature: Helen Ellis
Month: 10 Day: 22 Year: 16

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	015625983 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

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

8. Designated Facility Name and Site Address: Cycle Chem Inc.
207 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
RQ	1. NA3082 HAZARDOUS WASTE, LIQUID, N.O.S. (BENZENE) 9 PG III (RQ D018 10#) ERG# 171	001	TT	55	G	D018	T	
	2. ~~Non DOT NON REGULATED MATERIAL Non RCRA~~ ~~CLOSED TRANSFER~~					ID27		
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/191731/335830 CVI Job # 54838-01-05 (1)ID-7 CONTAMINATED GROUND WATER (2)GR01-3 (A) NON-HAZ. SOIL & DEBRIS (55 GAL DM)
DECAL # 01877 PLATES AT DOOR 1/4 CC 176

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
CHARLES LEARY	Charles Leary	06	30	06

INT'L

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Jose R. Montanez	Jose R. Montanez	6	30	06
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year
H. Ellis	H. Ellis	06	30	06

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	9083540210	016330289 JJK

GENERATOR

5. Generator's Name and Mailing Address

Con Edison Ossining MGP
31-02 20th Avenue
Long Island City, NY 11105 718-204-4347

Generator's Site Address (if different than mailing address)

1 Harbor Square
Ossining, NY 10562

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

Clean Venture Inc — NJD000027193

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

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Cycle Chem, Inc.
217 South First Street
Elizabeth, New Jersey 07206 9083555800

Facility's Phone: — NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NA3082, Hazardous Waste, Liquid, N.O.S. (bezene) Class 9, PG III ERG 128		TT	45	G	D018
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

CVI Job # NJ54838-01-05
CCI GEN# 950050
CVI Contact: Gordon Layfield

1) ~~ID-1~~ TBCT03-07, Water with Benzene Dec. 408551
Lic. AT900F TR-VC-176

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Charles Leary — Signature: Charles Leary — Month 9 Day 29 Year 16

INT'L

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

TRANSPORTER

17 Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jermaine Bowders — Signature: Jermaine Bowders — Month 9 Day 29 Year 16

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

DESIGNATED FACILITY

18. Discrepancy

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

16-1 1

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20 Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: H. Ellis — Signature: H. Ellis — Month 09 Day 29 Year 16

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Consolidated Edison Company
of New York, Inc.
31-01 20th Avenue
Long Island City NY 11105-2048
www.conEd.com

May 10, 2018

Mr. Matthew S. Hubicki
Project Manager
New York State Department of Environmental Conservation
Section B - Remedial Bureau C
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7017

Re: Consolidated Edison Company of New York, Inc.
Former Ossining Works Site – VCA Site # V00568

Dear Mr. Hubicki:

This letter presents the results of dense non-aqueous phase liquid (DNAPL) monitoring and vacuum enhanced fluid recovery (VEFR) activities performed from January through December 2017 at the Consolidated Edison Company of New York, Inc. (Con Edison) former Ossining Works site (the "site") located in Ossining, New York (Figure 1). The DNAPL monitoring and recovery activities described in this letter were completed pursuant to the Voluntary Cleanup Agreement (VCA) between Con Edison and the New York State Department of Environmental Conservation (NYSDEC).

The DNAPL monitoring and recovery activities were performed in accordance with the NYSDEC-approved *DNAPL Recovery Work Plan* (Work Plan) prepared by CMX, Inc. (dated September 4, 2008) and a January 28, 2013 letter from Con Edison to the NYSDEC which proposed to discontinue monitoring of recovery wells located at Operable Unit No. 3 (including recovery wells RW-A, RW-B, RW-C, and RW-C2, shown on Figure 2) and focus recovery efforts on well RW-D located in Westerly Avenue. Pursuant to NYSDEC comments on the January 28, 2013 letter, Con Edison continued to monitor fluid levels for the OU-3 recovery wells on a quarterly basis during 2017 and DNAPL recovery was only conducted at RW-D.

The objectives of the 2017 DNAPL monitoring and recovery activities were to:

- Measure fluid-level elevations at RW-A, RW-B, RW-C, RW-C2, and RW-D to evaluate the presence of DNAPL.
- Recover DNAPL encountered at the recovery well RW-D.

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- Evaluate the volume of DNAPL removed from RW-D and the rate at which DNAPL levels recover within the well.

A summary of the DNAPL monitoring and recovery activities is presented below, followed by a discussion of the DNAPL recovery results.

DNAPL Monitoring and Recovery Activities

Arcadis, Con Edison's environmental consultant for the site, performed fluid level gauging at RW-A, RW-B, RW-C, RW-C2, and RW-D and DNAPL recovery at RW-D during the months of March, June, and October 2017. Fluid gauging and DNAPL recovery activities were not performed during the fourth quarter (Q4) of 2017, due to Con Edison's re-evaluation of DNAPL recovery methods and the associated waste re-characterization. Arcadis collected samples of DNAPL and personal protective equipment (PPE) to re-characterize material for offsite treatment/disposal during a sampling event performed in January 2018. A description of the DNAPL monitoring and recovery activities is presented below.

Community Air Monitoring Program

Air monitoring was performed during each of the DNAPL monitoring and recovery events for volatile organic compounds (VOCs) using photoionization detectors (PIDs) equipped with continuous data loggers. Air monitoring was performed in the work zone, and upwind and downwind of the work zone during DNAPL recovery activities. PID readings did not exceed the action levels specified in the site-specific Health and Safety Plan (10 parts per million [ppm] above background levels for more than 5 minutes) during the DNAPL monitoring and recovery activities.

Fluid-Level Measurements

Static fluid-levels were measured at each recovery well using an electronic oil-water interface probe to measure the depth from a surveyed mark on the top of the inner well casing to light non-aqueous phase liquid (LNAPL), groundwater, and/or DNAPL surfaces to the nearest 0.01 feet. The fluid-level measurements obtained at each recovery well are presented in Table 1. Table 1 also includes static fluid-level measurements obtained during each previous DNAPL monitoring event (for years prior to 2017). LNAPL was not identified at any of the recovery wells. DNAPL was detected at recovery well RW-D. DNAPL has not been observed at RW-B, RW-C, or RW-C2 at any point since the inception of the monitoring program in 2008. DNAPL was not observed at RW-A in 2017 and was last identified in September 2016 (trace DNAPL).

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DNAPL was not observed at RW-D during the June and October 2017 initial gauging, but was identified at the bottom of the sump during the subsequent evacuation event (no measurable thickness).

Fluid and DNAPL Recovery

DNAPL recovery activities were performed at well RW-D only, in accordance with the January 28, 2013 letter to the NYSDEC. Recovery activities were discontinued at RW-A following the November 2012 evacuation event as a result of the continued decline of the quantity of DNAPL identified and recovered during previous monitoring events.

The DNAPL recovery activities at RW-D consisted of repeated cycles of evacuating the well using a vacuum truck, followed by a recovery period where water and DNAPL levels were measured and recorded every 5 minutes. The 2017 monitoring events consisted of 3 or 4 cycles with a 10- to 15-minute DNAPL evacuation period followed by 30 minutes of water and DNAPL monitoring at 5-minute intervals. The total volume of DNAPL recovered during each quarterly monitoring event was calculated by measuring the difference in DNAPL levels before and after each evacuation cycle. Fluid-level measurements and the volume of total liquid and DNAPL recovered during the evacuation events are presented in Table 2.

The March and October 2017 DNAPL recovery activities included only 3 cycles of evacuation, due to the lack of recharge following the initial evacuation. Water level gauging was performed following discontinuation of evacuation activities during the March and October 2017 events in an attempt to evaluate the slow groundwater recharge. For the September 2017 DNAPL recovery event, 4 cycles of evacuation were performed as summarized in Table 2.

Transportation and Disposal

Liquid waste generated during the DNAPL recovery events was transported offsite by a Con Edison-approved waste hauler to Cycle Chem, Inc. (Cycle Chem) in Elizabeth, New Jersey for disposal as hazardous waste. Solid waste (PPE and debris) generated during the well gauging/DNAPL recovery events were also transported to Cycle Chem for disposal as non-hazardous waste. Hazardous waste manifests for each recovery event are presented in Attachment A.

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DNAPL Gauging and Recovery Results

DNAPL has not been identified at RW-B, RW-C, and RW-C2 since the start of the monitoring program in October 2008 and no DNAPL was identified in RW-A in 2017. Approximately 0.58 feet of DNAPL was identified at RW-D during the March 2017 monitoring event. Only trace quantities of DNAPL were identified at RW-D during the June and October 2017 monitoring events. The quantity of DNAPL was generally less than during gauging events prior to 2017.

DNAPL recovery at well RW-D began in July 2012 and continued on a quarterly basis through October 2017. A summary of total fluid recovered and DNAPL removed from RW-D is presented in Table 3. A chart presenting the total volume of DNAPL recovered for each recovery event and the average daily DNAPL recovery rate (gallons per day) for each recovery event for RW-D are included as Figure 3.

Approximately 336 gallons of liquid was removed from RW-D for offsite transportation and disposal during 2017. Approximately 0.9 gallons of DNAPL was removed from RW-D during the 2017 quarterly monitoring events, which is approximately the same as 2016. The greatest amount of DNAPL recovered during a single event since initiating recovery at RW-D was removed during the October 2014 event (approximately 28.8 gallons). A total of approximately 123 gallons of DNAPL has been removed since recovery activities began at the well in July 2012. The volume of DNAPL recovered at RW-D in 2017 ranged from no measurable recovery (June 22, 2017 and October 5, 2017) to 0.9 gallons (March 29, 2017) per recovery event. The calculated daily recovery rates for 2017 recovery events ranged from 0 gallons per day (June 22, 2017 and October 5, 2017) to 0.005 gallons per day (March 29, 2017). The total volume of fluid removed from RW-D during the quarterly 2017 DNAPL recovery events ranged from 50 to 202 gallons.

Conclusions and Recommendations

Results of the 2017 DNAPL monitoring and recovery activities described in this letter indicate that only minimal quantities of recoverable DNAPL continue to enter well RW-D. DNAPL was not identified at the remaining OU-3 recovery wells (RW-A, RW-B, RW-C, and RW-C2). Hence, the following is recommended with respect to the DNAPL monitoring and recovery program within OU-3:

- Reducing the frequency of fluid level monitoring at RW-A, RW-B, RW-C, and RW-C2 from quarterly to bi-annual. DNAPL has not been identified at wells RW-B, RW-C, and RW-C2 since monitoring was initiated in 2008. Minimal DNAPL has been identified at RW-A after discontinuation of recovery activities following the

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November 2012 evacuation event. No DNAPL was identified at RW-A during the 2017 monitoring events.

- Continuing quarterly evacuation events at RW-D using the modified methods (i.e., pumping) proposed in February 19, 2018 e-mail correspondence from Con Edison to NYSDEC and subsequently approved in March 23, 2018 and April 10, 2018 e-mail correspondence from NYSDEC to Con Edison.

Please do not hesitate to contact me if you have any questions or require additional information.

Very truly yours

Yelena Skorobogatov
Technical Specialist
EH&S, Remediation
Con Edison

cc: Kenneth Kaiser, Con Edison
Anthony Peretta, NYSDOH
Dolores Touhy, Esq., NYSDEC
Edward Moore, NYSDEC – Region 3
Michael Jones, Arcadis

Enc. **Tables**
1 DNAPL Gauging Measurements
2 RW-D DNAPL Accumulation Data
3 RW-D DNAPL Recovery Data

Figures
1 Site Location Map
2 Existing Recovery Well Map
3 Measured DNAPL Recovery by Date for RW-D

Attachment
A Hazardous Waste Manifests

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TABLE 1
DNAPL GAUGING MEASUREMENTS

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OPERABLE UNIT 3
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

Monitorin□ □ ell	□□te	□l□ □e□din□ □ppm□	□epth □eet□				□hickness □eet□		Comments
			□□□□□	□ □ter	□□□□□	□ ell	□□□□	□□□□□	
RW-A	10/7/08	567	NE	7.30	28.70	34.67	NE	5.97	Initial development, DNAPL removal and gauging
RW-B		26.2	NE	7.68	NE	35.00	NE	NE	
RW-C		0.0	NE	9.50	NE	35.00	NE	NE	
RW-A	10/8/08	1,078	NE	7.28	33.60	34.67	NE	1.07	
RW-B		0.0	NE	27.19	NE	35.00	NE	NE	
RW-C		0.0	NE	11.18	NE	35.00	NE	NE	
RW-A	10/9/08	1,082	NE	7.35	33.45	34.67	NE	1.22	
RW-B		0.0	NE	22.58	NE	35.00	NE	NE	
RW-C		0.0	NE	10.18	NE	35.00	NE	NE	
RW-A	10/13/08	1,144	NE	7.35	33.70	34.67	NE	0.97	
RW-B		1.2	NE	11.41	NE	35.00	NE	NE	
RW-C		0.0	NE	10.65	NE	35.00	NE	NE	
RW-A	10/20/08	1,443	NE	7.38	33.60	34.67	NE	1.07	
RW-B		5.0	NE	7.82	NE	35.00	NE	NE	
RW-C		0.0	NE	9.82	NE	35.00	NE	NE	
RW-A	11/3/08	1,244	NE	7.42	33.81	34.67	NE	0.86	2nd DNAPL removal event
RW-B		5.1	NE	7.40	NE	35.00	NE	NE	
RW-C		0.0	NE	9.35	NE	35.00	NE	NE	
RW-A	11/10/08	1,578	NE	7.33	19.63*	34.67	NE	*	No NAPL on probe. Reading is false positive due to turbulence in well apparently caused by heavy rainfall.
RW-B		0.2	NE	10.94	NE	35.00	NE	NE	
RW-C		0.0	NE	9.53	NE	35.00	NE	NE	
RW-A	11/17/08	2,128	NE	7.11	33.85	34.67	NE	0.82	
RW-B		0.0	NE	8.02	NE	35.00	NE	NE	
RW-C		0.0	NE	8.78	NE	35.00	NE	NE	
RW-A	12/3/08	1,556	NE	7.29	33.35	34.67	NE	1.32	3rd DNAPL removal event
RW-B		1.8	NE	7.24	NE	35.00	NE	NE	
RW-C		0.0	NE	9.31	NE	35.00	NE	NE	
RW-A	12/10/08	842	NE	6.93	33.49	34.67	NE	1.18	
RW-B		0.0	NE	7.49	NE	35.00	NE	NE	
RW-C		0.0	NE	9.65	NE	35.00	NE	NE	
RW-A	12/15/08	922	NE	6.96	33.48	34.67	NE	1.19	4th DNAPL removal event
RW-B		0.0	NE	7.51	NE	35.00	NE	NE	
RW-C		0.0	NE	9.60	NE	35.00	NE	NE	
RW-A	12/29/08	1,290	NE	6.96	33.35	34.67	NE	1.32	5th DNAPL removal event
RW-B		0.0	NE	7.71	NE	35.00	NE	NE	
RW-C		0.0	NE	9.45	NE	35.00	NE	NE	
RW-A	12/30/08	1,500	NE	6.90	33.20	34.67	NE	1.47	
RW-B		0.0	NE	NR	NE	35.00	NE	NE	
RW-C		0.0	NE	NR	NE	35.00	NE	NE	
RW-A	1/5/09	NR	NE	7.28	33.29	34.67	NE	1.38	6th DNAPL removal event
RW-B		NR	NE	7.68	NE	35.00	NE	NE	
RW-C2		NR	NE	9.62	NE	31.00	NE	NE	
RW-C		NR	NE	9.38	NE	35.00	NE	NE	
RW-A	2/24/09	NR	NE	7.38	32.95	34.67	NE	1.72	7th DNAPL removal event
RW-B		NR	NE	7.71	NE	35.00	NE	NE	
RW-C2		NR	NE	9.82	NE	31.00	NE	NE	
RW-C		NR	NE	9.52	NE	35.00	NE	NE	

Monitorin□ □ ell	□□te	□l□ □e□din□ □ppm□	□epth □eet□				□hickness □eet□		Comments
			□□□□□	□ □ter	□□□□□	□ ell	□□□□	□□□□□	
RW-A	3/27/09	211	NE	7.28	33.30	34.70	NE	1.4	8th DNAPL removal event
RW-B		0.0	NE	7.05	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.09	NE	31.00	NE	NE	
RW-C		0.0	NE	9.21	NE	35.00	NE	NE	
RW-A	4/27/09	439	NE	7.31	33.34	34.70	NE	1.36	9th DNAPL removal event
RW-B		0.0	NE	7.25	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.04	NE	31.00	NE	NE	
RW-C		0.0	NE	9.16	NE	35.00	NE	NE	
RW-A	5/29/09	645	NE	7.22	34.00	34.70	NE	0.7	10th DNAPL removal event
RW-B		2.4	NE	6.90	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.00	NE	31.00	NE	NE	
RW-C		0.4	NE	9.06	NE	35.00	NE	NE	
RW-A	6/26/09	475	NE	6.85	33.30	34.70	NE	1.4	11th DNAPL removal event
RW-B		0.0	NE	6.40	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.05	NE	31.00	NE	NE	
RW-C		0.0	NE	8.20	NE	35.00	NE	NE	
RW-A	7/31/09	NR	NE	7.15	33.50	34.70	NE	1.2	12th DNAPL removal event
RW-B		0.0	NE	7.00	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.60	NE	31.00	NE	NE	
RW-C		0.0	NE	8.79	NE	35.00	NE	NE	
RW-A	8/28/09	270	NE	7.30	33.75	34.70	NE	0.95	13th DNAPL removal event
RW-B		0.0	NE	7.18	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.90	NE	31.00	NE	NE	
RW-C		0.0	NE	8.98	NE	35.00	NE	NE	
RW-A	9/30/09	307	NE	7.45	34.00	34.70	NE	0.7	14th DNAPL removal event
RW-B		0.0	NE	7.23	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.95	NE	31.00	NE	NE	
RW-C		0.0	NE	9.02	NE	35.00	NE	NE	
RW-A	10/29/09	275	NE	6.55	33.90	34.70	NE	0.8	15th DNAPL removal event
RW-B		0.0	NE	6.61	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.80	NE	31.00	NE	NE	
RW-C		0.0	NE	8.83	NE	35.00	NE	NE	
RW-A	11/20/09	325	NE	7.05	34.10	34.70	NE	0.6	16th DNAPL removal event
RW-B		0.0	NE	7.03	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.00	NE	31.00	NE	NE	
RW-C		0.0	NE	9.02	NE	35.00	NE	NE	
RW-A	12/22/09	315	NE	7.35	34.70	34.70	NE	0	17th DNAPL removal event
RW-B		0.0	NE	7.30	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.18	NE	31.00	NE	NE	
RW-C		0.0	NE	9.20	NE	35.00	NE	NE	
RW-A	1/22/10	410	NE	7.40	34.30	34.70	NE	0.4	18th DNAPL removal event
RW-B		0.0	NE	7.47	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.30	NE	31.00	NE	NE	
RW-C		0.0	NE	9.32	NE	35.00	NE	NE	

TABLE 1
DNAPL GAUGING MEASUREMENTS

OPERABLE UNIT 3
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

Monitoring Well	Date	Gelding (ppm)	Depth to Water		Depth to Product		Product Thickness		Comments
			Before	After	Before	After	Before	After	
RW-A	2/22/10	405	NE	6.65	34.10	34.70	NE	0.6	19th DNAPL removal event
RW-B		0.0	NE	6.70	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.75	NE	31.00	NE	NE	
RW-C		0.0	NE	8.78	NE	35.00	NE	NE	
RW-A	3/26/10	1,256	NE	6.77	34.70	34.70	NE	0	20th DNAPL removal event
RW-B		0.0	NE	6.65	NE	37.61	NE	NE	
RW-C2		0.0	NE	8.16	NE	31.81	NE	NE	
RW-C		2.6	NE	8.38	NE	37.57	NE	NE	
RW-A	4/23/10	94	NE	7.20	34.29	34.70	NE	0.41	21st DNAPL removal event
RW-B		0.0	NE	6.95	NE	37.59	NE	NE	
RW-C2		0.0	NE	8.91	NE	31.86	NE	NE	
RW-C		0.0	NE	9.08	NE	37.57	NE	NE	
RW-A	5/21/10	392	NE	9.94	34.70	34.70	NE	0	22nd DNAPL removal event
RW-B		0.0	NE	10.70	NE	37.59	NE	NE	
RW-C2		0.0	NE	11.46	NE	31.83	NE	NE	
RW-C		0.0	NE	12.22	NE	37.58	NE	NE	
RW-A	6/25/10	134	NE	7.86	34.20	34.70	NE	0.5	23rd DNAPL removal event
RW-B		0.0	NE	7.06	NE	37.62	NE	NE	
RW-C2		0.0	NE	8.98	NE	31.83	NE	NE	
RW-C		0.0	NE	9.16	NE	37.57	NE	NE	
RW-A	7/30/10	257	NE	7.43	33.25	34.70	NE	1.45	24th DNAPL removal event
RW-B		0.0	NE	7.31	NE	37.49	NE	NE	
RW-C2		0.0	NE	9.11	NE	31.77	NE	NE	
RW-C		0.0	NE	9.33	NE	37.47	NE	NE	
RW-A	8/27/10	165	NE	7.11	34.21	34.70	NE	0.49	25th DNAPL removal event
RW-B		0.0	NE	6.62	NE	34.54	NE	NE	
RW-C2		0.0	NE	8.15	NE	31.82	NE	NE	
RW-C		0.0	NE	8.44	NE	37.51	NE	NE	
RW-A	9/24/10	179	NE	7.50	34.70	34.70	NE	0	26th DNAPL removal event
RW-B		0.0	NE	7.20	NE	37.52	NE	NE	
RW-C2		0.0	NE	9.22	NE	31.80	NE	NE	
RW-C		0.0	NE	9.41	NE	37.50	NE	NE	
RW-A	10/29/10	0.0	NE	7.40	34.70	34.70	NE	0	27th DNAPL removal event
RW-B		0.0	NE	7.03	NE	37.52	NE	NE	
RW-C2		0.0	NE	9.10	NE	37.50	NE	NE	
RW-C		0.0	NE	9.31	NE	31.80	NE	NE	
RW-A	11/24/10	127.2	NE	7.42	34.67	34.70	NE	0.03	28th DNAPL removal event
RW-B		0.0	NE	7.04	NE	37.50	NE	NE	
RW-C2		0.0	NE	9.14	NE	37.50	NE	NE	
RW-C	10/29/10	0.0	NE	9.34	NE	31.75	NE	NE	
RW-A	12/23/10	110.3	NE	7.34	34.50	34.70	NE	0.2	29th DNAPL removal event
RW-B		0.0	NE	7.45	NE	37.50	NE	NE	
RW-C2		0.0	NE	9.00	NE	37.50	NE	NE	
RW-C		0.0	NE	9.16	NE	31.75	NE	NE	

TABLE 1
DNAPL GAUGING MEASUREMENTS

OPERABLE UNIT 3
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

Monitoring Well	Date	Fluid Reading (ppm)	Depth (feet)				Thickness (feet)		Comments
				Water		Well			
RW-A	1/31/11	749	NE	7.40	10.00*	34.70	NE	*	30th DNAPL removal event
RW-B		0.0	NE	7.11	NE	37.50	NE	NE	
RW-C2		0.0	NE	9.40	NE	37.50	NE	NE	
RW-C		0.0	NE	9.62	NE	31.75	NE	NE	
RW-A	4/29/11	51.5	NE	6.67	NE	34.70	NE	NE	31st DNAPL removal event
RW-B		0.0	NE	6.55	28.76*	37.50	NE	*	Grey sediment in bottom of bailer to confirm
RW-C2		1.4	NE	8.16	29.98*	37.50	NE	*	
RW-C		0.0	NE	8.43	31.13*	31.75	NE	*	
RW-A	7/29/11	3.2	NE	7.19	34.55	34.70	NE	0.15	32nd DNAPL removal event
RW-B		0.0	NE	6.87	NE	37.50	NE	NE	
RW-C2		0.0	NE	8.77	NE	37.50	NE	NE	
RW-C		0.0	NE	9.01	NE	31.75	NE	NE	
RW-A	10/28/11	147	NE	6.84	NE	34.70	NE	NE	33rd DNAPL removal event
RW-B		0.0	NE	6.60	NE	37.60	NE	NE	
RW-C2		0.0	NE	8.50	NE	31.80	NE	NE	
RW-C		0.0	NE	8.65	NE	37.50	NE	NE	
RW-A	1/27/12	432	NE	6.92	34.57	34.70	NE	0.13	34th DNAPL removal event
RW-B		0.0	NE	6.85	NE	37.62	NE	NE	
RW-C2		0.0	NE	8.91	NE	31.81	NE	NE	
RW-C		0.0	NE	8.92	NE	37.44	NE	NE	
RW-A	4/2/12	426	NE	7.11	34.61	34.64	NE	0.03	35th DNAPL removal event
RW-B		0.0	NE	6.88	NE	37.62	NE	NE	
RW-C2		0.0	NE	9.06	NE	31.88	NE	NE	
RW-C		0.0	NE	9.27	NE	37.62	NE	NE	
RW-A	7/25/12	501	NE	7.15	34.55	34.70	NE	0.15	36th DNAPL removal event
RW-B		0.0	NE	6.88	NE	37.68	NE	NE	
RW-C2		0.0	NE	8.69	NE	31.91	NE	NE	
RW-C		0.0	NE	8.92	NE	37.57	NE	NE	
RW-A	11/15/12	861.4	NE	7.01	34.65	34.70	NE	0.05	37th DNAPL removal event
RW-B		0.0	NE	6.92	NE	37.68	NE	NE	
RW-C2		0.0	NE	8.56	NE	31.91	NE	NE	
RW-C		0.0	NE	8.82	NE	37.57	NE	NE	
RW-D		1,731	NE	2.86	35.68	41.37	NE	5.69	
RW-A	2/28/13	1,033	NE	6.54	34.67	34.70	NE	0.03	38th DNAPL removal event
RW-B		0.0	NE	6.48	NE	37.67	NE	NE	
RW-C2		0.0	NE	8.32	NE	31.92	NE	NE	
RW-C		0.0	NE	8.50	NE	37.57	NE	NE	
RW-D		1,579	NE	2.42	37.69	41.42	NE	3.73	
RW-A	5/31/13	120.8	NE	8.16	34.68	34.70	NE	0.02	39th DNAPL removal event
RW-B		0.0	NE	6.94	NE	37.71	NE	NE	
RW-C2		0.0	NE	8.49	NE	31.91	NE	NE	
RW-C		0.0	NE	8.82	NE	37.58	NE	NE	
RW-D		1,247	NE	3.14	38.81	41.42	NE	2.61	

TABLE 1
DNAPL GAUGING MEASUREMENTS

OPERABLE UNIT 3
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

Monitoring Well	Date	Oil Reading (ppm)	Depth (feet)				Thickness (feet)		Comments
			[illegible]	Water	[illegible]	Well	[illegible]	[illegible]	
RW-A	8/30/13	Well Inaccessible							40th DNAPL removal event
RW-B		Well Inaccessible							
RW-C2		0.0	NE	8.91	NE	31.87	NE	NE	
RW-C		Well Inaccessible							
RW-D		1,242	NE	3.41	39.82	41.42	NE	1.60	
RW-A	11/26/13	118	NE	7.62	34.52	34.60	NE	0.08	41st DNAPL removal event
RW-B		0.0	NE	7.58	NE	37.49	NE	NE	
RW-C2		0.0	NE	9.82	NE	31.68	NE	NE	
RW-C		0.0	NE	9.98	NE	37.40	NE	NE	
RW-D		893	NE	3.76	39.45	41.42	NE	1.97	
RW-A	3/28/14	140	NE	7.76	34.70	35.32	NE	0.62	42nd DNAPL removal event
RW-B		0.0	NE	7.24	NE	36.67	NE	NE	
RW-C2		0.0	NE	9.35	NE	40.70	NE	NE	
RW-C		0.0	NE	9.08	NE	31.90	NE	NE	
RW-D		584	NE	3.33	39.96	41.49	NE	1.53	
RW-A	6/6/14	82.4	NE	7.21	34.72	35.12	NE	0.40	43rd DNAPL removal event
RW-B		0.0	NE	6.65	NE	37.82	NE	NE	
RW-C2		0.0	NE	8.91	NE	38.92	NE	NE	
RW-C		0.0	NE	8.67	NE	31.84	NE	NE	
RW-D		348	NE	3.12	39.61	41.77	NE	2.16	
RW-A	10/16/14	145	NE	6.89	Trace	34.71	NE	Trace	44th DNAPL removal event
RW-B		0.0	NE	6.88	NE	37.62	NE	NE	
RW-C2		0.0	NE	8.88	NE	31.53	NE	NE	
RW-C		0.0	NE	8.77	NE	31.84	NE	NE	
RW-D		1,145	NE	3.06	34.84	41.43	NE	6.59	
RW-A	12/18/14	78.5	NE	7.13	35.43	35.62	NE	0.19	45th DNAPL removal event
RW-B		0.0	NE	6.93	NE	37.85	NE	NE	
RW-C2		Well Inaccessible							
RW-C		0.0	NE	8.91	NE	31.85	NE	NE	
RW-D		141.0	NE	3.16	39.91	41.34	NE	1.43	
RW-A	3/19/15	65.7	NE	6.88	Trace	34.72	NE	Trace	46th DNAPL removal event
RW-B		0.0	NE	6.89	NE	37.57	NE	NE	
RW-C2		0.0	NE	8.85	NE	37.58	NE	NE	
RW-C		0.0	NE	8.67	NE	31.88	NE	NE	
RW-D		244.0	NE	2.93	40.81	41.52	NE	0.71	
RW-A	6/26/15	Well Inaccessible							47th DNAPL removal event
RW-B		Well Inaccessible							
RW-C2		Well Inaccessible							
RW-C		Well Inaccessible							
RW-D		437.1	NE	3.18	38.65	41.52	NE	2.87	
RW-A	9/24/15	504.3	NE	7.21	NE	35.21	NE	NE	48th DNAPL removal event
RW-B		Well Inaccessible							
RW-C2		0.0	NE	8.81	NE	37.70	NE	NE	
RW-C		0.0	NE	8.50	NE	31.96	NE	NE	
RW-D		789.3	NE	3.25	40.25	41.47	NE	1.22	

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			□□□□□	□ □ter	□□□□□	□ ell	□□□□□	□□□□□	
RW-A	12/1/15	266.5	NE	7.18	Trace	35.21	NE	Trace	49th DNAPL removal event
RW-B		0.0	NE	7.00	NE	33.05	NE	NE	
RW-C2		0.0	NE	9.00	NE	37.70	NE	NE	
RW-C		0.0	NE	9.06	NE	31.96	NE	NE	
RW-D		378.1	NE	3.23	40.85	41.47	NE	0.62	
RW-A	3/22/16	66.5	NE	7.03	Trace	35.69	NE	Trace	50th DNAPL removal event
RW-B		0.0	NE	6.83	NE	38.94	NE	NE	
RW-C2		47.5	NE	8.80	NE	38.27	NE	NE	
RW-C		0.0	NE	9.64	NE	31.88	NE	NE	
RW-D		298.6	NE	8.51	NE	42.21	NE	NE	
RW-A	6/30/16	2.4	NE	5.41	NE	34.41	NE	NE	51st DNAPL removal event
RW-B		0.2	NE	6.61	NE	38.91	NE	NE	
RW-C2		0.0	NE	8.96	NE	38.00	NE	NE	
RW-C		0.0	NE	7.03	NE	29.63	NE	NE	
RW-D		89.6	NE	22.36	41.23	41.80	NE	0.57	
RW-A	9/29/16	3.8	NE	5.22	Trace	32.25	NE	Trace	52nd DNAPL removal event
RW-B		0.3	NE	6.61	NE	32.41	NE	NE	
RW-C2		Well Inaccessible							
RW-C		0.4	NE	10.20	NE	29.91	NE	NE	
RW-D		386.0	NE	24.64	41.20	41.47	NE	0.27	
RW-A	3/29/17	0.0	NE	8.12	NE	29.55	NE	NE	53rd DNAPL removal event
RW-B		0.0	NE	10.83	NE	38.00	NE	NE	
RW-C2		0.0	NE	8.70	NE	38.00	NE	NE	
RW-C		Well Inaccessible							
RW-D		62.4	NE	4.32	41.28	41.86	NE	0.58	
RW-A	6/22/17	Well Inaccessible							54th DNAPL removal event
RW-B		1.5	NE	10.90	NE	36.61	NE	NE	
RW-C2		0.5	NE	9.68	NE	38.09	NE	NE	
RW-C		2.7	NE	6.86	NE	29.92	NE	NE	
RW-D		185.0	NE	6.33	NE	41.40	NE	NE	
RW-A	10/5/17	3.0	NE	5.51	NE	31.90	NE	NE	55th DNAPL removal event
RW-B		0.0	NE	10.85	NE	36.60	NE	NE	
RW-C2		0.0	NE	9.68	NE	38.09	NE	NE	
RW-C		0.0	NE	6.80	NE	29.92	NE	NE	
RW-D		121.1	NE	4.75	NE	41.40	NE	NE	

□otes:

1. Depths measured in feet below the top of the well casing.
2. PID = photoionization detector.
3. ppm = parts per million.
4. LNAPL = light non-aqueous phase liquid.
5. DNAPL = dense non-aqueous phase liquid.
6. NAPL = non-aqueous phase liquid.
7. * False positive reading. Could not confirm depth or thickness of DNAPL
8. NE = not encountered.
9. NM = not measured.
10. NR = not recorded.
11. Measuring points and/or surface completions were modified by Harbor Square construction activities as identified below.
    - MW-A was refinished as a flushmount well as observed during the 6/30/16 evacuation event.
    - MW-B groundsurface elevation raised and a protective PVC casing was observed during the 3/22/16 evacuation event.
    - MW-C was refinished as a flushmount well as observed during the 6/30/16 evacuation event.
    - MW-D groundsurface elevation was raised and a new surface completion was observed during the 6/30/16 evacuation event.

Recovery									
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Volume Removed Fluids	
								Total Liquid	Measured
1	a	7/25/2012	8:45	NM	0.17	0	1st well evacuation from 8:25 until 8:35		2.6
			8:50	41.45	0.25	0.05	2nd well evacuation from 9:00 until 9:15		
	b	7/25/2012	9:20	41.35	0.08	0.15	Well evacuation complete		0.1
			9:30	41.14	0.25	0.36			
			9:35	41.04	0.33	0.46	3rd well evacuation from 9:45 until 10:00		
	c	7/25/2012	10:00	41.30	0	0.2	Well evacuation complete		0.7
			10:15	41.02	0.25	0.48			
			10:30	39.87	0.5	1.63	4th well evacuation from 10:40 until 10:50		
	d	7/25/2012	10:55	40.85	0.08	0.65	Well evacuation complete		2.4
			11:05	40.44	0.25	1.06			
			11:15	40.28	0.42	1.22	5th well evacuation from 11:20 until 11:30		
	e	7/25/2012	11:35	40.48	0.08	1.02	Well evacuation complete		1.8
			11:45	40.45	0.25	1.05			
			11:50	40.43	0.33	1.07	6th well evacuation from 12:05 until 12:15		
	f	7/25/2012	12:20	40.48	0.25	1.02	Well evacuation complete	216	1.6
			12:30	40.04	0.42	1.46			
			12:40	39.85	0.58	1.65			
2	a	11/15/2012	9:24	NM	0	0	1st well evacuation completed from 9:13 until 9:24		8.5
			9:32	41.40	0.13	0.02			
			9:37	41.38	0.22	0.04			
			9:42	41.23	0.3	0.19	2nd well evacuation from 9:55 until 10:06		
	b	11/15/2012	10:08	41.42	0.03	0	Well evacuation complete		0.3
			10:19	41.08	0.22	0.34			
			10:25	40.78	0.32	0.64			
			10:48	40.34	0.7	1.08			
			11:05	40.26	0.98	1.16	3rd well evacuation from 11:22 until 11:36		
	c	11/15/2012	11:48	41.21	0.2	0.23	Well evacuation complete		1.7
			11:53	41.04	0.28	0.4			
			12:03	40.81	0.45	0.63			
			12:09	40.72	0.55	0.72			
			12:20	40.61	0.73	0.83			
			12:50	40.21	1.23	1.23	4th well evacuation from 12:52 until 13:08		
	d	11/15/2012	13:09	41.42	0.02	0.02	Well evacuation complete	232	1.8
			13:20	41.21	0.2	0.23			
			13:25	41.00	0.28	0.44			
			13:39	40.71	0.52	0.73			
			13:52	40.47	0.73	0.97			
3	a	2/28/2013	7:39	39.01	0	2.43	1st well evacuation completed from 7:24 until 7:39		1.9
			7:44	37.07	0.08	4.37			
			7:49	36.58	0.17	4.86			
			7:54	36.52	0.25	4.92			
			7:59	36.36	0.33	5.08			
			8:04	36.17	0.42	5.27			
			8:09	36.09	0.5	5.35	2nd well evacuation from 8:09 until 8:24		
	b	2/28/2013	8:24	NM	0	0	Well evacuation complete		7.9
			8:29	41.22	0.08	0.2			
			8:34	41.06	0.17	0.36			
			8:39	41.00	0.25	0.42			
			8:44	40.93	0.33	0.49			
			8:49	40.84	0.42	0.58			
			8:54	40.74	0.5	0.68	3rd well evacuation from 8:54 until 9:09		
	c	2/28/2013	9:09	NM	0	0	Well evacuation complete		1.0
			9:14	41.37	0.08	0.05			
			9:19	41.27	0.17	0.15			
			9:24	41.12	0.25	0.3			
			9:29	40.99	0.33	0.43			
			9:34	40.86	0.42	0.56			
			9:39	40.76	0.5	0.66	4th well evacuation from 9:39 until 9:54		

Recovery								Volume Removed Fluids	
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Fluid	Measured Product
3	d	2/28/2013	9:54	NM	0	0	Well evacuation complete		1.0
			9:59	41.36	0.08	0.06			
			10:04	41.28	0.17	0.14			
			10:09	41.08	0.25	0.34			
			10:14	40.91	0.33	0.51			
			10:19	40.75	0.42	0.67			
			10:24	40.71	0.5	0.71	5th well evacuation from 10:24 until 10:39		
	e	2/28/2013	10:39	NM	0	0	Well evacuation complete		1.0
			10:44	41.38	0.08	0.04			
			10:49	41.26	0.17	0.16			
			10:54	41.11	0.25	0.31			
			10:59	41.06	0.33	0.36			
			11:04	40.91	0.42	0.51			
			11:09	40.76	0.5	0.66	6th well evacuation from 11:09 until 11:24		
	f	2/28/2013	11:24	NM	0	0	Well evacuation complete		1.0
			11:29	41.35	0.08	0.07			
			11:34	41.25	0.17	0.17			
			11:39	41.10	0.25	0.32			
			11:44	40.95	0.33	0.47			
			11:49	40.79	0.42	0.63			
			11:54	40.74	0.5	0.68	7th well evacuation from 11:54 until 12:09		
	g	2/28/2013	12:09	NM	0	0	Well evacuation complete	508	1.0
			12:14	41.40	0.08	0.02			
			12:19	41.24	0.17	0.18			
			12:24	41.17	0.25	0.25			
			12:29	40.92	0.33	0.5			
			12:34	40.89	0.42	0.53			
			12:39	40.79	0.5	0.63			
4	a	5/31/2013	7:15	41.35	0	0.07	1st well evacuation completed from 7:00 until 7:15		3.7
			7:20	40.92	0.08	0.5			
			7:25	40.69	0.17	0.73			
			7:30	40.60	0.25	0.82			
			7:35	40.42	0.33	1			
			7:40	40.34	0.42	1.08			
			7:45	40.27	0.5	1.15	2nd well evacuation from 7:45 until 8:00		
	b	5/31/2013	8:00	NM	0	0	Well evacuation complete		1.7
			8:05	41.42	0.08	0			
			8:10	41.29	0.17	0.13			
			8:15	41.19	0.25	0.23			
			8:20	40.94	0.33	0.48			
			8:25	40.79	0.42	0.63			
			8:30	40.70	0.5	0.72	3rd well evacuation from 8:30 until 8:45		
	c	5/31/2013	8:45	NM	0	0	Well evacuation complete		1.1
			8:50	41.40	0.08	0.02			
			8:55	41.35	0.17	0.07			
			9:00	41.29	0.25	0.13			
			9:05	41.17	0.33	0.25			
			9:10	41.08	0.42	0.34			
			9:15	40.93	0.5	0.49	4th well evacuation from 9:15 until 9:30		
	d	5/31/2013	9:30	NM	0	0	Well evacuation complete		0.7
			9:35	41.41	0.08	0.01			
			9:40	41.36	0.17	0.06			
			9:45	41.15	0.25	0.27			
			9:50	41.09	0.33	0.33			
			9:55	40.99	0.42	0.43			
			10:00	40.88	0.5	0.54	5th well evacuation from 10:00 until 10:15		

Recovery									
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Time Removed Fluids	
								Total Liquid	Measured
4	e	5/31/2013	10:15	NM	0	0	Well evacuation complete		0.8
			10:20	41.40	0.08	0.02			
			10:25	41.33	0.17	0.09			
			10:30	41.29	0.25	0.13			
			10:35	41.15	0.33	0.27			
			10:40	40.93	0.42	0.49			
			10:45	40.89	0.5	0.53	6th well evacuation from 10:45 until 11:00		
	f	5/31/2013	11:00	NM	0	0	Well evacuation complete		0.8
			11:05	41.41	0.08	0.01			
			11:10	41.35	0.17	0.07			
			11:15	41.10	0.25	0.32			
			11:20	40.96	0.33	0.46			
			11:25	40.88	0.42	0.54			
			11:30	40.80	0.5	0.62	7th well evacuation from 11:30 until 11:45		
	g	5/31/2013	11:45	41.42	0	0	Well evacuation complete	382	0.9
			11:50	41.35	0.08	0.07			
			11:55	41.29	0.17	0.13			
			12:00	41.18	0.25	0.24			
			12:05	41.08	0.33	0.34			
			12:10	40.96	0.42	0.46			
			12:15	40.85	0.5	0.57			
5	a	8/30/2013	8:15	40.95	0	0.47	1st well evacuation completed from 8:00 to 8:15		1.7
			8:20	40.65	0.08	0.77			
			8:25	40.36	0.17	1.06			
			8:30	40.18	0.25	1.24			
			8:35	39.91	0.33	1.51			
			8:40	39.75	0.42	1.67			
			8:45	39.68	0.5	1.74	2nd well evacuation from 8:45 until 9:00		
	b	8/30/2013	9:00	41.12	0	0.3	Well evacuation complete		2.1
			9:05	40.89	0.08	0.53			
			9:10	40.70	0.17	0.72			
			9:15	40.56	0.25	0.86			
			9:20	40.52	0.33	0.9			
			9:25	40.45	0.42	0.97			
			9:30	40.31	0.5	1.11	3rd well evacuation from 9:30 until 9:45		
	c	8/30/2013	9:45	41.21	0	0.21	Well evacuation complete		1.3
			9:50	40.89	0.08	0.53			
			9:55	40.69	0.17	0.73			
			10:00	40.52	0.25	0.9			
			10:05	40.47	0.33	0.95			
			10:10	40.31	0.42	1.11			
			10:15	40.24	0.5	1.18	4th well evacuation from 10:15 until 10:30		
	d	8/30/2013	10:30	41.01	0	0.41	Well evacuation complete		1.1
			10:35	40.91	0.08	0.51			
			10:40	40.81	0.17	0.61			
			10:45	39.93	0.25	1.49			
			10:50	39.84	0.33	1.58			
			10:55	39.78	0.42	1.64			
			11:00	39.74	0.5	1.68	5th well evacuation from 11:00 until 11:15		
	e	8/30/2013	11:15	40.22	0	1.2	Well evacuation complete		0.7
			11:20	39.99	0.08	1.43			
			11:25	39.83	0.17	1.59			
			11:30	39.78	0.25	1.64			
			11:35	39.70	0.33	1.72			
			11:40	39.62	0.42	1.8			
			11:45	39.57	0.5	1.85	6th well evacuation from 11:45 until 12:00		
	f	8/30/2013	12:00	40.18	0	1.24	Well evacuation complete		0.9
			12:05	40.00	0.08	1.42			
			12:10	39.97	0.17	1.45			
			12:15	39.93	0.25	1.49			
			12:20	39.89	0.33	1.53			
			12:25	39.85	0.42	1.57			
			12:30	39.80	0.5	1.62	7th well evacuation from 12:30 until 12:45		

Recovery								Volume Removed Fluids	
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Fluid	Measured Product
5	g	8/30/2013	12:45	40.15	0	1.27	Well evacuation complete	170	0.5
			12:50	39.95	0.08	1.47			
			12:55	39.86	0.17	1.56			
			13:00	39.83	0.25	1.59			
			13:05	39.79	0.33	1.63			
			13:10	39.81	0.42	1.61			
			13:15	39.79	0.5	1.63			
6	a	11/26/2013	13:15	38.51	0	2.91	1st well evacuation completed from 13:00 to 13:15		0.0
			13:20	38.22	0.08	3.2			
			13:25	37.70	0.17	3.72			
			13:30	37.40	0.25	4.02			
			13:35	37.29	0.33	4.13			
			13:40	37.25	0.42	4.17			
			13:45	37.19	0.5	4.23	2nd well evacuation from 13:45 to 14:00		
	b	11/26/2013	14:00	37.86	0	3.56	Well evacuation complete		1.0
			14:05	37.73	0.08	3.69			
			14:10	37.61	0.17	3.81			
			14:15	37.53	0.25	3.89			
			14:20	37.44	0.33	3.98			
			14:25	37.37	0.42	4.05			
			14:30	37.31	0.5	4.11	3rd well evacuation from 14:30 to 14:45		
	c	11/26/2013	14:45	ND	0	0	Well evacuation complete		6.0
			14:50	41.40	0.08	0.02			
			14:55	41.38	0.17	0.04			
			15:00	41.22	0.25	0.2			
			15:05	41.09	0.33	0.33			
			15:10	39.98	0.42	1.44			
			15:15	39.87	0.5	1.55	4th well evacuation from 15:15 to 15:30		
	d	11/26/2013	15:30	ND	0	0	Well evacuation complete		2.3
			15:35	ND	0.08	0			
			15:40	41.38	0.17	0.04			
			15:45	41.29	0.25	0.13			
			15:50	41.25	0.33	0.17			
			15:55	41.16	0.42	0.26			
			16:00	41.03	0.5	0.39	5th well evacuation from 16:00 to 16:15		
	e	11/26/2013	16:15	ND	0	0	Well evacuation complete	190	0.6
			16:20	ND	0.08	0			
			16:25	41.40	0.17	0.02			
			16:30	41.35	0.25	0.07			
			16:35	41.30	0.33	0.12			
			16:40	41.21	0.42	0.21			
			16:45	41.15	0.5	0.27			
7	a	3/28/2014	8:30	39.97	0	1.45	1st well evacuation completed from 8:15 to 8:30		0.1
			8:35	37.88	0.08	3.54			
			8:40	35.87	0.17	5.55			
			8:45	37.20	0.25	4.22			
			8:50	37.05	0.33	4.37			
			8:55	37.16	0.42	4.26			
			9:00	37.11	0.5	4.31	2nd well evacuation from 9:00 to 9:15		
	b	3/28/2014	9:15	38.71	0	2.71	Well evacuation complete		2.3
			9:20	38.63	0.08	2.79			
			9:25	38.32	0.17	3.1			
			9:30	38.30	0.25	3.12			
			9:35	38.22	0.33	3.2			
			9:40	38.13	0.42	3.29			
			9:45	38.00	0.5	3.42	3rd well evacuation from 9:45 to 10:00		
	c	3/28/2014	10:00	38.71	0	2.71	Well evacuation complete		1.0
			10:05	38.62	0.08	2.8			
			10:10	38.31	0.17	3.11			
			10:15	38.28	0.25	3.14			
			10:20	38.18	0.33	3.24			
			10:25	38.10	0.42	3.32			
			10:30	38.08	0.5	3.34	4th well evacuation from 1615 to 1645		
	d	3/28/2014	10:45	38.72	0	2.7	Well evacuation complete		0.9
			10:50	38.63	0.08	2.79			
			10:55	38.48	0.17	2.94			
			11:00	38.67	0.25	2.75			
			11:05	38.57	0.33	2.85			
			11:10	38.46	0.42	2.96			
			11:15	38.43	0.5	2.99	5th well evacuation from 11:15 to 11:30		

Recovery								Volume Removed Fluids	
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Fluid	Measured Product
7	e	3/28/2014	11:30	39.05	0	2.37	Well evacuation complete		0.9
			11:35	39.05	0.08	2.37			
			11:40	39.04	0.17	2.38			
			11:45	38.90	0.25	2.52			
			11:50	38.83	0.33	2.59			
			11:55	38.77	0.42	2.65			
			12:00	38.70	0.5	2.72	6th well evacuation from 12:00 to 12:15		
	f	3/28/2014	12:15	38.95	0	2.47	Well evacuation complete		0.4
			12:20	39.12	0.08	2.3			
			12:25	39.00	0.17	2.42			
			12:30	39.00	0.25	2.42			
			12:35	38.73	0.33	2.69			
			12:40	38.71	0.42	2.71			
			12:45	38.70	0.5	2.72	7th well evacuation from 12:45 to 13:00		
	g	3/28/2014	13:00	39.21	0	2.21	Well evacuation complete	382	0.7
			13:05	39.20	0.08	2.22			
			13:10	39.18	0.17	2.24			
			13:15	39.13	0.25	2.29			
			13:20	38.73	0.33	2.69			
			13:25	38.71	0.42	2.71			
			13:30	38.70	0.5	2.72			
8	a	6/6/2014	8:15	36.78	0	4.64	1st well evacuation completed from 8:15 to 8:30		0*
			8:20	36.41	0.08	5.01			
			8:25	35.65	0.17	5.77			
			8:30	35.23	0.25	6.19			
			8:35	34.99	0.33	6.43			
			8:40	34.92	0.42	6.5			
			8:45	35.21	0.5	6.21	2nd well evacuation from 8:45 to 9:00		
	b	6/6/2014	9:00	37.22	0	4.2	Well evacuation complete		3.0
			9:05	37.01	0.08	4.41			
			9:10	36.98	0.17	4.44			
			9:15	36.91	0.25	4.51			
			9:20	36.81	0.33	4.61			
			9:25	36.72	0.42	4.7			
			9:30	36.70	0.5	4.72	3rd well evacuation from 9:30 to 9:45		
	c	6/6/2014	9:45	37.44	0	3.98	Well evacuation complete		1.1
			9:50	37.22	0.08	4.2			
			9:55	37.01	0.17	4.41			
			10:00	37.00	0.25	4.42			
			10:05	36.87	0.33	4.55			
			10:10	36.81	0.42	4.61			
			10:15	36.79	0.5	4.63	4th well evacuation from 10:15 to 10:30		
	d	6/6/2014	10:30	36.90	0	4.52	Well evacuation complete		0.2
			10:35	36.80	0.08	4.62			
			10:40	36.71	0.17	4.71			
			10:45	36.62	0.25	4.8			
			10:50	36.57	0.33	4.85			
			10:55	36.53	0.42	4.89			
			11:00	36.51	0.5	4.91	5th well evacuation from 11:00 to 11:15		
	e	6/6/2014	11:15	36.21	0	5.21	Well evacuation complete		0*
			11:20	36.11	0.08	5.31			
			11:25	36.02	0.17	5.4			
			11:30	35.98	0.25	5.44			
			11:35	35.96	0.33	5.46			
			11:40	35.96	0.42	5.46			
			11:45	35.93	0.5	5.49	6th well evacuation from 11:45 to 12:00		
	f	6/6/2014	12:00	35.93	0	5.49	Well evacuation complete		0.0
			12:05	35.81	0.08	5.61			
			12:10	35.79	0.17	5.63			
			12:15	35.68	0.25	5.74			
			12:20	35.52	0.33	5.9			
			12:25	35.42	0.42	6			
			12:30	35.38	0.5	6.04	7th well evacuation from 12:30 to 12:45		
	g	6/6/2014	12:45	35.74	0	5.68	Well evacuation complete	304	0.5
			12:50	35.65	0.08	5.77			
			12:55	35.89	0.17	5.53			
			13:00	35.81	0.25	5.61			
			13:05	35.78	0.33	5.64			
			13:10	35.63	0.42	5.79			
			13:15	35.53	0.5	5.89			

Recovery								Volume Removed Fluids	
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Fluid	Measured
9	a	10/16/2014	8:55	39.70	0	1.72	1st well evacuation completed from 8:40 to 8:55		7.1
			9:00	39.35	0.08	2.07			
			9:05	38.97	0.17	2.45			
			9:10	38.72	0.25	2.7			
			9:15	37.61	0.33	3.81			
			9:20	36.83	0.42	4.59			
			9:25	35.34	0.5	6.08	2nd well evacuation from 9:25 to 9:40		
	b	10/16/2014	9:40	39.86	0	1.56	Well evacuation complete		6.6
			9:45	38.06	0.08	3.36			
			9:50	38.29	0.17	3.13			
			9:55	37.64	0.25	3.78			
			10:00	37.48	0.33	3.94			
			10:05	37.31	0.42	4.11			
			10:10	37.14	0.5	4.28	3rd well evacuation from 10:10 to 10:25		
	c	10/16/2014	10:25	37.79	0	3.63	Well evacuation complete		1.0
			10:30	36.36	0.08	5.06			
			10:35	36.89	0.17	4.53			
			10:40	36.45	0.25	4.97			
			10:45	36.01	0.33	5.41			
			10:50	35.74	0.42	5.68			
			10:55	35.41	0.5	6.01	4th well evacuation from 10:55 to 11:10		
	d	10/16/2014	11:10	39.71	0	1.71	Well evacuation complete		6.3
			11:15	39.62	0.08	1.8			
			11:20	39.41	0.17	2.01			
			11:25	39.41	0.25	2.01			
			11:30	39.27	0.33	2.15			
			11:35	39.24	0.42	2.18			
			11:40	39.24	0.5	2.18	5th well evacuation from 11:40 to 11:55		
	e	10/16/2014	11:55	38.74	0	2.68	Well evacuation complete		0*
			12:00	36.74	0.08	4.68			
			12:05	36.69	0.17	4.73			
			12:10	36.55	0.25	4.87			
			12:15	36.40	0.33	5.02			
			12:20	36.25	0.42	5.17			
			12:25	36.11	0.5	5.31	6th well evacuation from 12:50 to 13:05		
	f	10/16/2014	13:05	41.41	0	0.01	Well evacuation complete	304	7.8
			13:10	41.41	0.08	0.01	Interface probe possibly malfunctioning (NAPL on probe, but probe was not sounding)		
			13:15	41.41	0.17	0.01			
			13:20	41.41	0.25	0.01			
			13:25	41.41	0.33	0.01			
			13:30	41.41	0.42	0.01			
			13:35	41.41	0.5	0.01			
10	a	12/18/2014	9:15	39.95	0	1.47	1st well evacuation completed from 9:00 to 9:15		0.1
			9:20	39.80	0.08	1.62			
			9:25	39.65	0.17	1.77			
			9:30	39.52	0.25	1.9			
			9:35	39.41	0.33	2.01			
			9:40	39.28	0.42	2.14			
			9:45	39.15	0.5	2.27	2nd well evacuation from 9:45 to 10:00		
	b	12/18/2014	10:00	39.64	0	1.78	Well evacuation complete		0.7
			10:05	39.50	0.08	1.92			
			10:10	39.36	0.17	2.06			
			10:15	39.25	0.25	2.17			
			10:20	39.19	0.33	2.23			
			10:25	39.13	0.42	2.29			
			10:30	39.08	0.5	2.34	3rd well evacuation from 10:30 to 10:45		

Recovery								Volume Removed Fluids	
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Thickness Feet	Comments	Total Fluid	Measured
10	c	12/18/2014	10:45	39.16	0	2.26	Well evacuation complete		0.1
			10:50	39.00	0.08	2.42			
			10:55	38.94	0.17	2.48			
			11:00	38.85	0.25	2.57			
			11:05	38.79	0.33	2.63			
			11:10	38.71	0.42	2.71			
			11:15	38.63	0.5	2.79	4th well evacuation from 11:15 to 11:30		
	d	12/18/2014	11:30	39.99	0	1.43	Well evacuation complete		2.0
			11:35	39.95	0.08	1.47			
			11:40	39.89	0.17	1.53			
			11:45	39.83	0.25	1.59			
			11:50	39.76	0.33	1.66			
			11:55	39.70	0.42	1.72			
			12:00	39.72	0.5	1.7	5th well evacuation from 12:00 to 12:15		
	e	12/18/2014	12:15	40.20	0	1.22	Well evacuation complete		0.7
			12:20	40.05	0.08	1.37			
			12:25	39.85	0.17	1.57			
			12:30	39.80	0.25	1.62			
			12:35	39.78	0.33	1.64			
			12:40	39.77	0.42	1.65			
			12:45	39.76	0.5	1.66	6th well evacuation from 12:50 to 13:05		
	f	12/18/2014	13:00	40.50	0	0.92	Well evacuation complete	95	1.1
			13:05	40.35	0.08	1.07			
			13:10	40.31	0.17	1.11			
			13:15	40.26	0.25	1.16			
			13:20	40.22	0.33	1.2			
			13:25	40.20	0.42	1.22			
			13:30	40.16	0.5	1.26			
11	a	3/19/2015	10:11	41.21	0	0.31	1st well evacuation completed from 9:56 to 10:11		0.4
			10:16	41.15	0.08	0.37			
			10:21	41.02	0.17	0.5			
			10:26	40.89	0.25	0.63			
			10:31	40.72	0.33	0.8			
			10:36	40.65	0.42	0.87			
			10:41	40.56	0.5	0.96	2nd well evacuation from 10:50 to 11:05		
	b	3/19/2015	11:06	40.20	0	1.32	Well evacuation complete		0*
			11:11	39.89	0.08	1.63			
			11:16	39.89	0.17	1.63			
			11:21	39.82	0.25	1.7			
			11:26	39.75	0.33	1.77			
			11:31	39.60	0.42	1.92			
			11:36	39.54	0.5	1.98	3rd well evacuation from 11:38 to 11:53		
	c	3/19/2015	11:54	40.05	0	1.47	Well evacuation complete		0.7
			11:59	40.05	0.08	1.47			
			12:04	39.98	0.17	1.54			
			12:09	39.87	0.25	1.65			
			12:14	39.75	0.33	1.77			
			12:19	- -	0.42	- -			
			12:24	39.60	0.5	1.92	4th well evacuation from 12:27 to 12:42		
	d	3/19/2015	12:43	40.01	0	1.51	Well evacuation complete		0.6
			12:48	39.93	0.08	1.59			
			12:53	39.82	0.17	1.7			
			12:58	39.66	0.25	1.86			
			13:03	39.75	0.33	1.77			
			13:08	39.60	0.42	1.92			
			13:13	39.81	0.5	1.71	5th well evacuation from 13:15 to 13:35		
	e	3/19/2015	13:36	40.20	0	1.32	Well evacuation complete		0.6
			13:41	- -	0.08	- -			
			13:46	39.90	0.17	1.62			
			13:51	39.90	0.25	1.62			
			13:56	39.98	0.33	1.54			
			14:01	40.03	0.42	1.49			
			14:06	40.05	0.5	1.47	6th well evacuation from 14:10 to 14:25		

Recovery								Volume Removed Fluids	
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Fluid	Measured
11	f	3/19/2015	14:29	39.40	0	2.12	Well evacuation complete	180	0*
			14:34	39.75	0.08	1.77			
			14:39	40.60	0.17	0.92			
			14:44	39.79	0.25	1.73			
			14:49	40.21	0.33	1.31			
			14:54	40.36	0.42	1.16			
			14:59	40.45	0.5	1.07			
12	a	6/26/2015	8:35	- -	0	- -	1st well evacuation completed from 8:27 to 8:32		3.1
			8:40	40.85	0.08	0.67			
			8:45	40.42	0.17	1.1			
			8:50	40.40	0.25	1.12			
			8:55	40.14	0.33	1.38			
			9:00	39.90	0.42	1.62			
			9:05	39.90	0.5	1.62	2nd well evacuation from 9:10 to 9:15		
	b	6/26/2015	9:20	41.45	0	0.07	Well evacuation complete		2.3
			9:25	41.18	0.08	0.34			
			9:30	41.09	0.17	0.43			
			9:35	40.72	0.25	0.8			
			9:40	40.54	0.33	0.98			
			9:45	40.42	0.42	1.1			
			9:50	40.28	0.5	1.24	3rd well evacuation from 9:55 to 10:00		
	c	6/26/2015	10:05	41.45	0	0.07	Well evacuation complete		1.7
			10:10	41.34	0.08	0.18			
			10:15	41.32	0.17	0.2			
			10:20	41.26	0.25	0.26			
			10:25	41.17	0.33	0.35			
			10:30	41.11	0.42	0.41			
			10:35	41.09	0.5	0.43	4th well evacuation from 10:40 to 10:45		
	d	6/26/2015	10:50	41.50	0	0.02	Well evacuation complete		0.6
			10:55	41.45	0.08	0.07			
			11:00	41.40	0.17	0.12			
			11:05	41.38	0.25	0.14			
			11:10	41.34	0.33	0.18			
			11:15	41.29	0.42	0.23	5th well evacuation from 11:22 to 11:27		
	e	6/26/2015	11:30	41.45	0	0.07	Well evacuation complete		0.2
			11:35	41.45	0.08	0.07			
			11:40	41.44	0.17	0.08			
			11:45	41.44	0.25	0.08			
			11:50	41.44	0.33	0.08			
			11:55	41.40	0.42	0.12	6th well evacuation from 12:00 to 12:05		
	f	6/26/2015	12:10	41.45	0	0.07	Well evacuation complete	140	0.1
			12:15	41.45	0.08	0.07			
			12:20	41.43	0.17	0.09			
			12:25	41.43	0.25	0.09			
			12:30	41.43	0.33	0.09			
			12:35	41.43	0.42	0.09			
13	a	9/24/2015	10:10	40.08	0	1.44	1st well evacuation completed from 9:55 to 10:10		0*
			10:15	40.22	0.08	1.3			
			10:20	40.34	0.17	1.18			
			10:25	40.35	0.25	1.17			
			10:30	40.34	0.33	1.18			
			10:35	40.33	0.42	1.19			
			10:40	40.32	0.5	1.2	2nd well evacuation from 10:45 to 10:55		
	b	9/24/2015	10:55	40.55	0	0.97	Well evacuation complete		0.3
			11:00	40.71	0.08	0.81			
			11:05	41.10	0.17	0.42			
			11:10	41.10	0.25	0.42			
			11:15	41.08	0.33	0.44			
			11:20	41.08	0.42	0.44			
			11:25	41.05	0.5	0.47	3rd well evacuation from 11:40 to 11:50		

Recovery								Volume Removed Fluids	
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Fluid	Measured
13	c	9/24/2015	11:55	41.30	0	0.22	Well evacuation complete		0.4
			12:00	41.27	0.08	0.25			
			12:05	41.27	0.17	0.25			
			12:10	41.25	0.25	0.27			
			12:15	41.25	0.33	0.27			
			12:20	41.25	0.42	0.27			
			12:25	41.25	0.5	0.27	4th well evacuation from 12:30 to 12:40		
	d	9/24/2015	12:45	41.35	0	0.17	Well evacuation complete		0.1
			12:50	41.25	0.08	0.27			
			12:55	41.25	0.17	0.27			
			13:00	41.25	0.25	0.27			
			13:05	41.25	0.33	0.27			
			13:10	41.24	0.42	0.28			
			13:15	41.24	0.5	0.28	5th well evacuation from 13:20 to 13:30		
	e	9/24/2015	13:35	41.35	0	0.17	Well evacuation complete		0.2
			13:40	41.37	0.08	0.15			
			13:45	41.33	0.17	0.19			
			13:50	41.33	0.25	0.19			
			13:55	41.33	0.33	0.19			
			14:00	41.32	0.42	0.2			
			14:05	41.32	0.5	0.2	6th well evacuation from 14:10 to 14:15		
	f	9/24/2015	14:20	41.35	0	0.17	Well evacuation complete	100	0.0
			14:25	41.35	0.08	0.17			
			14:30	41.33	0.17	0.19			
			14:35	41.32	0.25	0.2			
			14:40	41.32	0.33	0.2			
			14:45	41.32	0.42	0.2			
			14:50	41.32	0.5	0.2			
14	a	12/1/2015	9:00	40.85	0	0.67	1st well evacuation completed from 8:40 to 8:55		0.0
			9:05	40.87	0.08	0.65			
			9:10	40.89	0.17	0.63			
			9:15	40.91	0.25	0.61			
			9:20	40.92	0.33	0.6			
			9:25	40.92	0.42	0.6			
			9:30	40.92	0.5	0.6	2nd well evacuation from 9:35 to 9:50		
	b	12/1/2015	9:55	41.09	0	0.43	Well evacuation complete		0.2
			10:00	41.08	0.08	0.44			
			10:05	41.08	0.17	0.44			
			10:10	41.07	0.25	0.45			
			10:15	41.05	0.33	0.47			
			10:20	41.05	0.42	0.47			
			10:25	41.04	0.5	0.48	3rd well evacuation from 10:30 to 10:45		
	c	12/1/2015	10:50	41.47	0	0.05	Well evacuation complete		0.6
			10:55	41.47	0.08	0.05			
			11:00	41.47	0.17	0.05			
			11:05	41.47	0.25	0.05			
			11:10	41.47	0.33	0.05			
			11:15	41.47	0.42	0.05			
			11:20	41.47	0.5	0.05	4th well evacuation from 11:25 to 11:40		
	d	12/1/2015	11:45	ND	0	0	Well evacuation complete		0.1
			11:50	ND	0.08	0			
			11:55	ND	0.17	0			
			12:00	ND	0.25	0			
			12:05	ND	0.33	0			
			12:10	ND	0.42	0			
			12:15	ND	0.5	0	5th well evacuation from 12:20 to 12:35		

Recovery								Volume Removed Fluids	
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Fluid	Measured Product
14	e	12/1/2015	12:35	ND	0	0	Well evacuation complete		0.0
			12:40	ND	0.08	0			
			12:45	ND	0.17	0			
			12:50	41.47	0.25	0.05			
			12:55	41.47	0.33	0.05			
			13:00	41.47	0.42	0.05			
			13:05	41.47	0.5	0.05	6th well evacuation from 13:10 to 13:25		
	f	12/1/2015	13:25	ND	0	0	Well evacuation complete		0.1
			13:30	ND	0.08	0			
			13:35	ND	0.17	0			
			13:40	41.47	0.25	0.05			
			13:45	41.47	0.33	0.05			
			13:50	41.47	0.42	0.05			
			13:55	41.47	0.5	0.05	7th well evacuation from 14:00 to 14:15		
	g	12/1/2015	14:15	ND	0	0	Well evacuation complete	110	0.1
			14:20	ND	0.08	0			
			14:25	ND	0.17	0			
			14:30	ND	0.25	0			
			14:35	ND	0.33	0			
			14:40	41.47	0.42	0.05			
			14:45	41.47	0.5	0.05			
15	a	3/22/2016	10:55	ND	0	0	1st well evacuation completed from 10:40 to 10:55		0.0
			11:00	ND	0.08	0			
			11:05	ND	0.17	0			
			11:10	ND	0.25	0	* IP appeared to not be responding. Well had run dry following the 1st evacuation.		
			11:15	ND	0.33	0			
			11:20	ND	0.42	0			
			11:25	ND	0.5	0	2nd well evacuation from 13:10 until 13:25		
	b	3/22/2016	13:25	ND	0	0	Well evacuation complete	60	0.0
			13:30	ND	0.08	0			
			13:35	ND	0.17	0			
			13:40	ND	0.25	0	* IP appeared to not be responding. Well had run dry following the 1st evacuation.		
			13:45	ND	0.33	0			
			13:50	ND	0.42	0			
			13:55	ND	0.5	0			
16	a	6/30/2016	9:15	41.73**	0	0	1st well evacuation completed from 9:00 to 9:15		0.8
			9:20	ND	0.08	0			
			9:25	ND	0.17	0			
			9:30	ND	0.25	0			
			9:35	ND	0.33	0			
			9:40	ND	0.42	0			
			9:45	ND	0.5	0	2nd well evacuation from 9:45 until 10:00		
	b	6/30/2016	10:00	ND	0	0	Well evacuation complete	45	0.0
			10:05	ND	0.08	0			
			10:10	ND	0.17	0			
			10:15	ND	0.25	0			
			10:20	ND	0.33	0			
			10:25	ND	0.42	0			
			10:30	ND	0.5	0	minute gauging.		
	a	9/29/2016	9:45	41.25	0	0.22	1st well evacuation completed from 9:30 to 9:45		0.1
			9:50	41.25	0.08	0.22			
			9:55	41.20	0.17	0.27			
			10:00	41.20	0.25	0.27			
			10:05	41.20	0.33	0.27			
			10:10	41.20	0.42	0.27	2nd well evacuation from 10:20 until 10:35		
	b	9/29/2016	10:35	41.20	0	0.27	Well evacuation complete		0.0
			10:40	41.20	0.08	0.27			
			10:45	41.20	0.17	0.27			
			10:50	41.20	0.25	0.27			
			10:55	41.20	0.33	0.27			
			11:00	41.20	0.42	0.27			
			11:05	41.20	0.5	0.27	3rd well evacuation from 11:10 until 11:25		

Recovery								Volume Removed Fluids	
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Fluid	Measured Product
17	c	9/29/2016	11:25	41.23	0	0.24	Well evacuation complete		0.04
			11:30	41.23	0.08	0.24			
			11:35	41.23	0.17	0.24			
			11:40	41.23	0.25	0.24			
			11:50	41.23	0.42	0.24			
			11:55	41.23	0.5	0.24	4th well evacuation from 12:10 until 12:25		
	d	9/29/2016	12:25	41.23	0	0.24	Well evacuation complete		0.0
			12:30	41.23	0.08	0.24			
			12:35	41.23	0.17	0.24			
			12:40	41.23	0.25	0.24			
			12:45	41.23	0.33	0.24			
			12:50	41.23	0.42	0.24			
			12:55	41.23	0.5	0.24	4th well evacuation from 13:15 until 13:30		
	e	9/29/2016	13:30	41.23	0	0.24	Well evacuation complete	45	0.0
			13:35	41.23	0.08	0.24			
			13:40	41.23	0.17	0.24			
			13:45	41.23	0.25	0.24			
			13:50	41.23	0.33	0.24			
			13:55	41.23	0.42	0.24			
			14:00	41.23	0.5	0.24			
18	a	3/29/2017	9:30	ND	0	0.58	1st well evacuation completed from 9:20 to 9:30		0.9
			9:35	ND	0.08	0			
			9:40	ND	0.17	0			
			9:45	ND	0.25	0			
			9:50	41.51*	0.33	0			
			9:55	ND	0.42	0			
			10:00	ND	0.5	0	2nd well evacuation from 10:00 until 10:10		
	b	3/29/2017	10:10	ND	0	0	Well evacuation complete		0.0
			10:15	ND	0.08	0			
			10:20	ND	0.17	0			
			10:25	ND	0.25	0			
			10:30	ND	0.33	0			
			10:35	ND	0.42	0			
			10:40	ND	0.5	0	3rd well evacuation from 10:40 until 10:50		
	c	3/29/2017	10:50	ND	0	0	Well evacuation complete	84	0.00
			10:55	ND	0.08	0			
			11:00	ND	0.17	0			
			11:05	ND	0.25	0			
			11:10	ND	0.33	0			
			11:15	ND	0.42	0			
			11:20	ND	0.5	0			
			11:30	ND	0.67	0			
			11:40	ND	0.83	0			
			11:50	ND	1	0			
			12:00	ND	1.17	0			
19	a	6/22/2017	10:25	41.40	0	0	1st well evacuation completed from 10:10 to 10:25		0.0
			10:30	41.40	0.08	0			
			10:35	41.40	0.17	0			
			10:40	41.40	0.25	0			
			10:45	41.40	0.33	0			
			10:50	41.40	0.42	0			
			10:55	41.40	0.5	0	2nd well evacuation from 11:00 until 11:15		
	b	6/22/2017	11:15	41.40	0	0	Well evacuation complete		0.0
			11:20	41.40	0.08	0			
			11:25	41.40	0.17	0			
			11:30	41.40	0.25	0			
			11:35	41.40	0.33	0			
			11:40	41.40	0.42	0			
			11:45	41.40	0.5	0	3rd well evacuation from 11:50 until 12:05		

Recovery								Volume Removed Fluids	
Event	Cycle	Date	Time	Depth to Product Sheet	Elapsed Time hours	Product Thickness Sheet	Comments	Total Fluid	Measured Product
19	c	6/22/2017	12:05	41.40	0	0	Well evacuation complete		0.00
			12:10	41.40	0.08	0			
			12:15	41.40	0.17	0			
			12:20	41.40	0.25	0			
			12:25	41.40	0.33	0			
			12:30	41.40	0.42	0			
			12:35	41.40	0.5	0	4th well evacuation from 12:40 until 12:55		
	d	6/22/2017	12:55	41.40	0	0	Well evacuation complete	50	0.0
			13:00	41.40	0.08	0			
			13:05	41.40	0.17	0			
			13:10	41.40	0.25	0			
			13:15	41.40	0.33	0			
			13:20	41.40	0.42	0			
			13:25	41.40	0.5	0			
20	a	10/5/2017	9:45	ND	0	0	1st well evacuation completed from 9:30 to 9:45		0.0
			9:50	ND	0.08	0			
			9:55	ND	0.17	0			
			10:00	ND	0.25	0			
			10:05	ND	0.33	0			
			10:10	ND	0.42	0			
			10:15	ND	0.5	0	2nd well evacuation from 10:15 until 10:30		
	b	10/5/2017	10:30	41.40	0	0	Well evacuation complete		0.0
			10:35	41.40	0.08	0			
			10:40	41.40	0.17	0			
			10:45	41.40	0.25	0			
			10:50	41.40	0.33	0			
			10:55	41.40	0.42	0			
			11:00	41.40	0.5	0	3rd well evacuation from 11:00 until 11:15		
	c	10/5/2017	11:15	41.40	0	0	Well evacuation complete	202	0.00
			11:20	41.40	0.08	0			
			11:25	41.40	0.17	0			
			11:30	41.40	0.25	0			
			11:35	41.40	0.33	0			
			11:40	41.40	0.42	0			
			11:45	41.40	0.5	0			
			11:55	41.40	0.67	0			
			12:05	41.40	0.83	0			
			12:15	41.40	1	0			
							Total Recovered to Date	99	12.0

Notes:
1. DNAPL = dense non-aqueous phase liquid.
2. gals = gallons.
3. * = indicates volume of DNAPL removed could not be calculated for the time interval based on field measurements.
4. ** = anomalous interface probe reading. The reading was assumed to be a from DNAPL adhered to the sidewall.

TABLE 3
RW-D DNAPL RECOVERY DATA

DRAFT

OPERABLE UNIT 3
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

□□te	□ot□l Fl□id □eco□er□ □□□l□	Me□s□red □□□□□ □eco□ered □□□l□	□ime □ince □□st E□ent □d□□s□	□□er□□e □□il□ □eco□er□ □□□l per d□□□	□□□□□ □ercent□□e o□ □ot□l Fl□id □eco□ered
7/25/2012	216	9.2	- -	- -	4.259%
11/15/2012	232	12.3	113	0.109	5.302%
2/28/2013	508	14.8	105	0.141	2.913%
5/31/2013	382	9.7	92	0.105	2.539%
8/30/2013	170	8.3	91	0.091	4.882%
11/26/2013	190	9.9	88	0.113	5.211%
3/28/2014	382	6.3	122	0.052	1.649%
6/6/2014	304	4.8	70	0.069	1.579%
10/16/2014	304	28.8	132	0.218	9.474%
12/18/2014	95	4.7	63	0.075	4.947%
3/19/2015	180	2.3	91	0.025	1.278%
6/26/2015	140	8	99	0.081	5.714%
9/24/2015	309	1	90	0.011	0.324%
12/1/2015	110	1.1	68	0.016	1.000%
3/22/2016	60	0*	112	0*	0%*
6/30/2016	45	0.8	100	0.008	1.778%
9/29/2016	45	0.1	91	0.000	0.089%
3/29/2017	84	0.9	181	0.005	1.071%
6/22/2017	50	0	85	0	0%
10/5/2017	202	0	105	0	0%
□ot□l	**□□00□**	**12□□0□**	**- -**	**- -**	**□□0□0□**

□otes:
1. DNAPL = dense non-aqueous phase liquid.
2. gal = gallons.
3. * = indicates volume of DNAPL removed could not be calculated for the time interval based on field measurements.

4/26/2018
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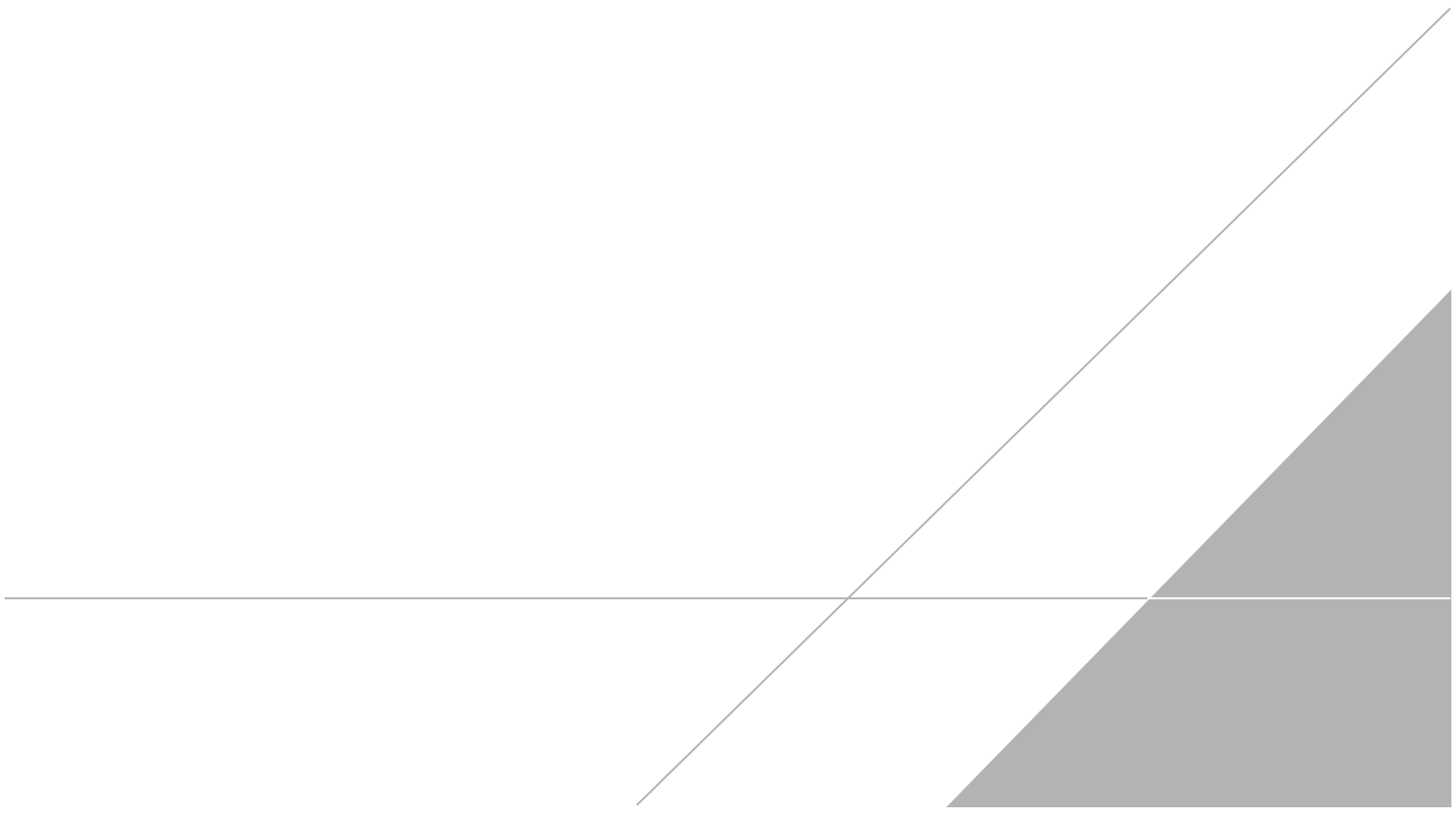
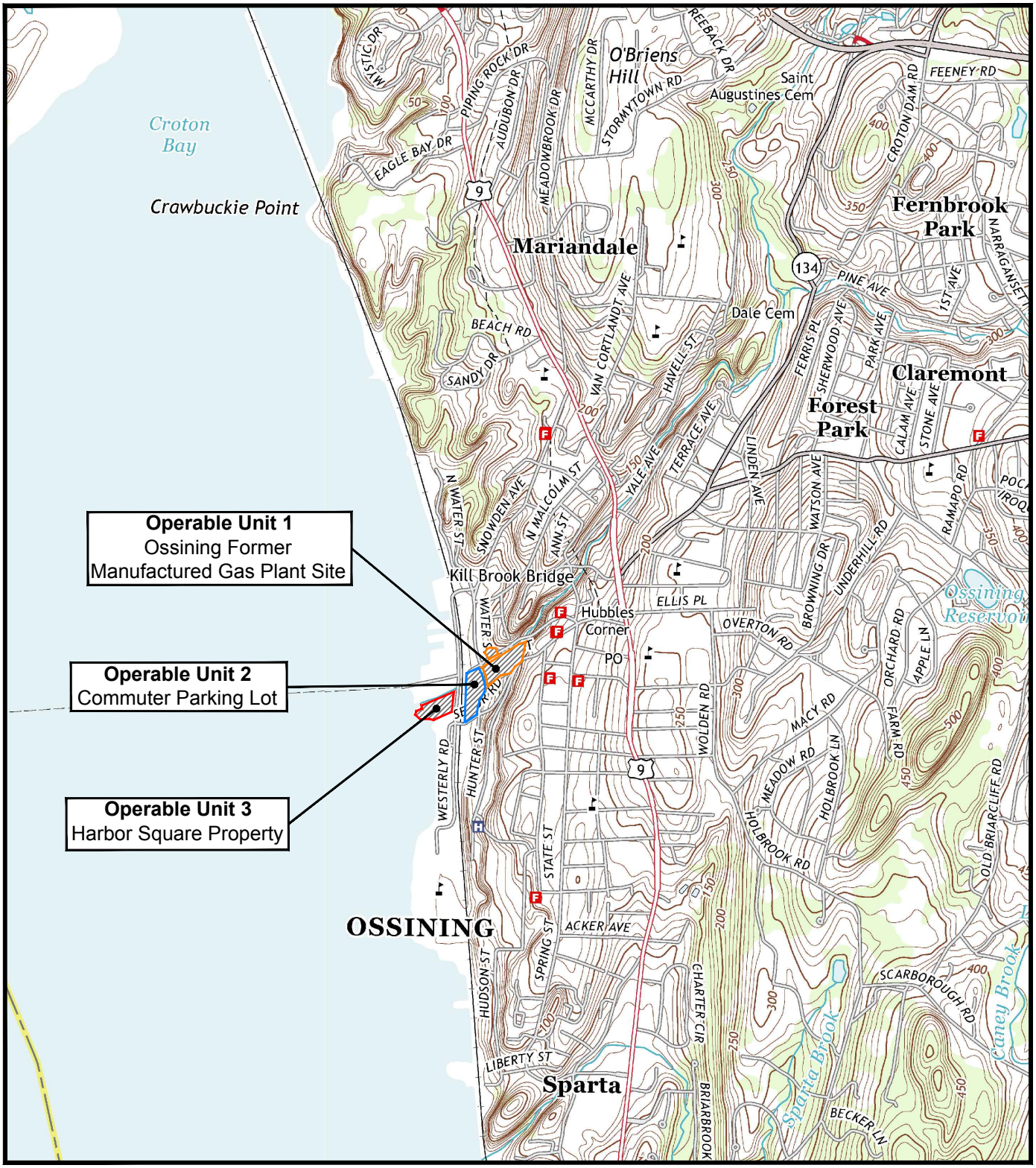
FI□ □□E□

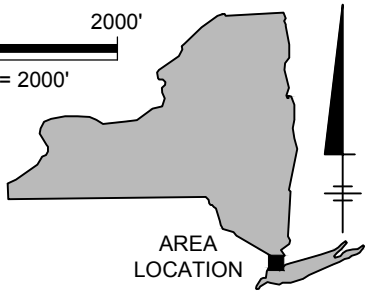




REFERENCE: BASE MAP USGS 7.5 MIN. QUAD., OSSINING, NY & HAVERSTRAW, NY, 2013.

2000' 0 2000'

Approximate Scale: 1" = 2000'



CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER OSSINING WORKS MANUFACTURED GAS PLANT SITE
OSSINING, NEW YORK
HARBOR SQUARE DNAPL RECOVERY

2017 ANNUAL MONITORING REPORT

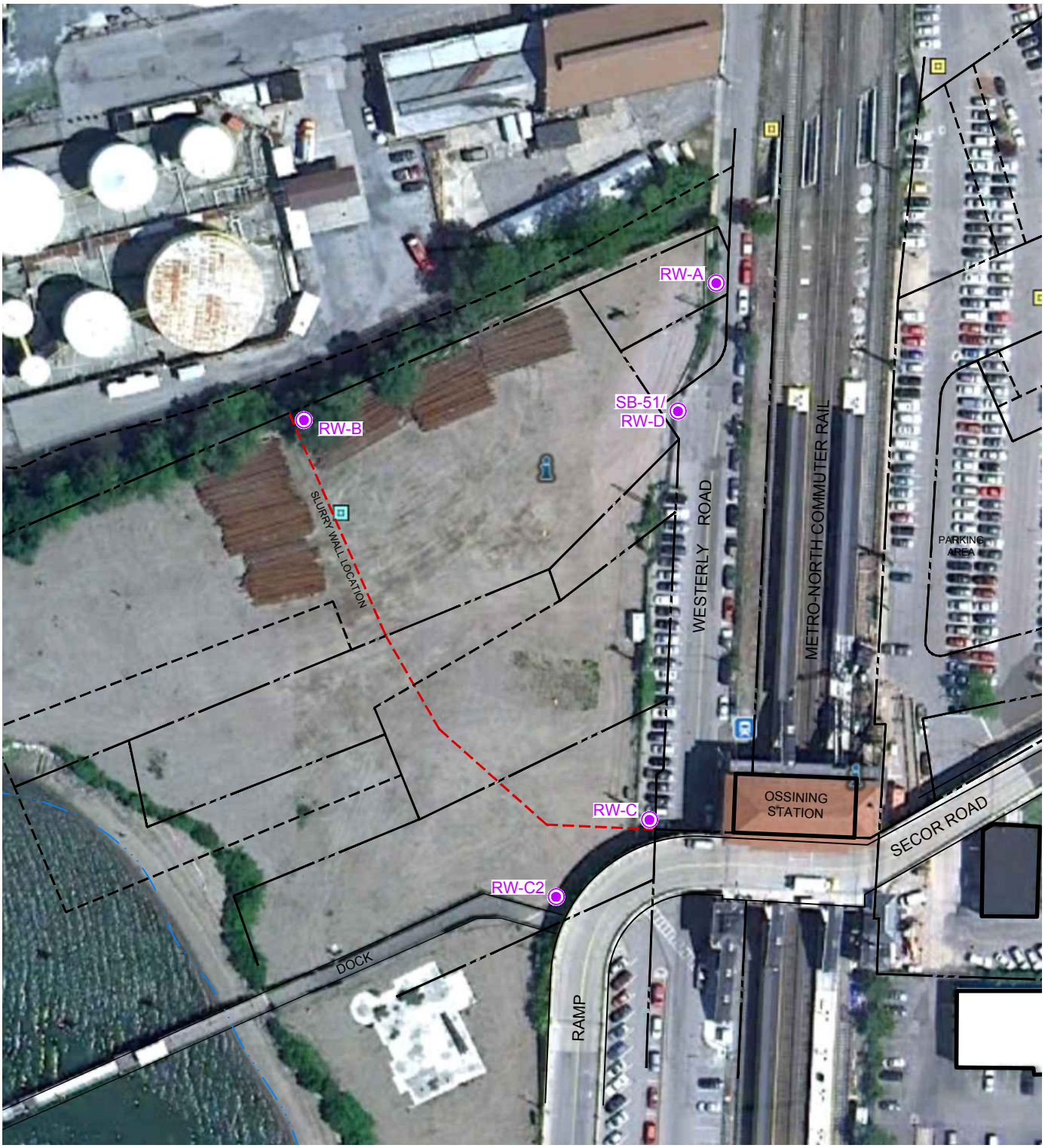
SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1

C:\Users\bdeclerco\OneDrive - ARCADIS\BIM 360 Docs\CON EDISON\Ossining DNAPL Recovery\2018\B0043024.0030\01-DWG\2017 AMR-Fig 1-Site Location Map.dwg LAYOUT: 1 SAVED: 3/21/2018 1:08 PM ACADVER: 21.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/21/2018 1:09 PM BY: DECLERCQ, BRIAN

XREFS: IMAGES: PROJECTNAME: ---
NY_Haverstraw_20130315_TM_geo.tiff
NY_Ossining_20130319_TM_geo.tiff



0 100' 200'

GRAPHIC SCALE

LEGEND:

RW-C2 ◉ RECOVERY WELL

NOTE:

IMAGE FROM GOOGLE EARTH.

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER OSSINING WORKS MANUFACTURED GAS PLANT SITE
OSSINING, NEW YORK
HARBOR SQUARE DNAPL RECOVERY

2017 ANNUAL MONITORING REPORT

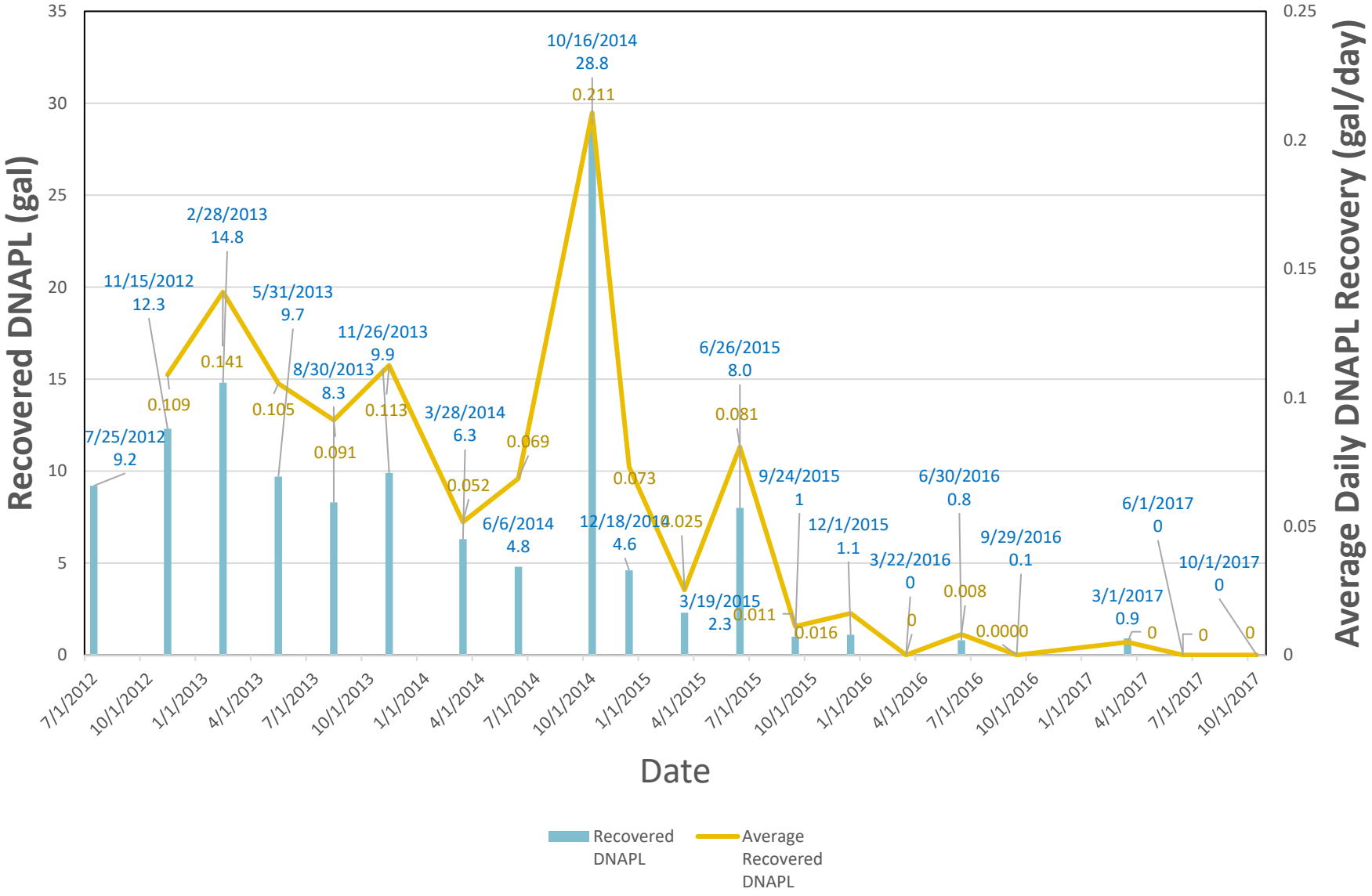
EXISTING RECOVERY WELL MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2

C:\Users\bdeclerco\OneDrive - ARCADIS\BIM 360 Docs\CON EDISON\Ossining DNAPL Recovery\2018\B0043024.0030\01-DWG\2017 AMR-Fig 2-Existing Recovery Well Map.dwg LAYOUT: 2 SAVED: 3/21/2018 1:09 PM ACADVER: 21.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB
PLOTTED: 3/21/2018 1:09 PM BY: DECLERCQ, BRIAN
XREFS: IMAGES: PROJECTNAME: ----
aerial.bmp
Fig 2 Well Location Map Reverse.tif
Ossining Block 4 to 8 and RR.TIF

Figure 3
Measured DNAPL Recovery by Date for RW-D



□□□□C□ME□□ □

□□□□rdo□s □ □ste M□ni□ests

CleanVenture/CycleChem

CVCC 270055

The Environmental Services Source

NON-HAZARDOUS SOLID WASTE

BILL OF LADING

Generator's Name and Mailing Address

Generator's Phone ( )

Transporter 1 Company Name

Transporter 2 Company Name

Designated Facility Name and Site Address

10. US EPA ID Number

BOL

State Trans. ID-NJDEPE

Decal No.-

Transporter's Phone ( )

State Trans. ID-NJDEPE

Decal No.-

Transporter's Phone ( )

Facility's Phone ( )

GENERATOR

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.		1			G	
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. c.

b. d.

CCI Generator #.and Product Codes: 02-

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO- FURNISHED BY CARRIER

Printed/Typed Name | Signature | Month Day Year

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.

Printed/Typed Name: Bernice Mills | Signature: Bernice Mills | Month Day Year: 5/29/07

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR COPY 2 - PINK - TRANSPORTER COPY 3 - BLUE - CycleChem COPY 4 - CANARY - FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
			016832182 JJK

GENERATOR

5. Generator's Name and Mailing Address / Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

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

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Facility's Phone:

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1.		T	84		
	2.					
	3.					
	4.				T	

14. Special Handling Instructions and Additional Information

AN-8774 Vac169 Permit 408574

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: CHARLES LEARY — Signature: Charles Leary — Month: 03 — Day: 29 — Year: 17

INT'L

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gerald Lindsey Brown — Signature: — Month: 03 — Day: 29 — Year: 17

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

DESIGNATED FACILITY

18. Discrepancy

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

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Bernice Mills — Signature: Bernice Mills — Month: 3 — Day: 31 — Year: 17

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
			017419059 JJK

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

Clean Venture Inc

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

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Clean Earth of New Jersey

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.			50		
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

AN3077

VAC169

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: CHARLES LEARY — Signature — Month: 6 — Day: 22 — Year: 17

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Andrew Jones — Signature — Month: 6 — Day: 22 — Year: 17

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

DESIGNATED FACILITY

18. Discrepancy

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

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

Facility's Phone.

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

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

CleanVenture/CycleChem

CVCC 290613

NON-HAZARDOUS SOLID WASTE

The Environmental Services Source

BILL OF LADING

Generator's Name and Mailing Address: CONEDISON OSSINING MGP, 131 02 20TH AVE

Generator's Phone ( )

BOL 0 2 7 0 6 1 3

Transporter 1 Company Name: Clean Venture Inc NJD000027192

CENTRAL AVE @ WATER ST OSSINING NY

State Trans. ID-NJDEPE

Decal No.-06804

Transporter 2 Company Name

Transporter's Phone (908) 354-0210

State Trans. ID-NJDEPE

Designated Facility Name and Site Address: CLEAN EARTH OF NO. JERSEY, 100 JACOBUS AVE KEARNY NJ

10. US EPA ID Number: 07053 NJD991391708

Decal No.-

Facility's Phone (973) 344-0004

GENERATOR

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	NON HAZARDOUS WASTE SOLID, NOS	001	DM	20	P	ID27
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. | c.

b. | d.

CCI Generator # and Product Codes: CCI GNE# PC01

CVI JOB # NJ54838-01-05

contact: G. LAYFIELD

EMERGENCY PHONE: 908 354-0210

TRK# CV-133

Plate# YV 604M

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED: N/A

PLACARDS SUPPLIED: ☐ YES ☐ NO- FURNISHED BY CARRIER

Printed/Typed Name: X CHARLES LEARY | Signature: Charles Leary | Month Day Year: 6-22-17

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: ULISES GUZMAN | Signature: Ulises Guzman | Month Day Year: 6-22-17

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.

Printed/Typed Name: Bernice Mills | Signature: Bernice Mills | Month Day Year: 6/23/17

COPY 1 - WHITE - GENERATOR COPY 2 - PINK - TRANSPORTER COPY 3 - BLUE - CycleChem COPY 4 - CANARY - FACILITY

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

199837

CVCC 234657

CleanVenture/CycleChem

The Environmental Services Source

NON-HAZARDOUS SOLID WASTE

BILL OF LADING

GENERATOR

Generator's Name and Mailing Address: 31-44 20th Avenue Bldg 13, Long Island City, NY 11105 — Consolidated Edison of New York, Inc. Richard Rivera 718 204 1458

Generator's Phone ( )

BOL 1 2 3 4 5 6 7

Central Ave and Water St, Ossining, NY

Transporter 1 Company Name: Clean Venture Inc — NJ0000077493

State Trans. ID-NJDEPE 16765

Transporter 2 Company Name

Decal No.-

Transporter's Phone (0615)

Designated Facility Name and Site Address: Clean Earth of North Jersey, 105 Jacobus Ave., Kearny NJ 07032 — 10. US EPA ID Number: NJD991291196

State Trans. ID-NJDEPE

Decal No.-

Transporter's Phone ( )

Facility's Phone ( ) 973 344 4004

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	Non Hazardous Waste Solid, N.O.S. Non DOT/Non RCRA	1	DM	55	P	[illegible]
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. S. 100% PPE, DEBRIS

b.

c.

d.

CCI Generator # and Product Codes:

x) 173081961

CVI Job # NJ64833-01-05

Contact: G. Layfield

ER Phone (908) 354-0210

TRK# CV-133

Plate # VU60117

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED: NA — PLACARDS SUPPLIED: ☐ YES ☐ NO- FURNISHED BY CARRIER

Printed/Typed Name	Signature	Month Day Year
ELTON HANSON	[signature]	10.5.17

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Daniel Gonzalez	[signature]	10.5.17

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
Bernice Mills	[signature]	10/5/17

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR COPY 2 - PINK - TRANSPORTER COPY 3 - BLUE - CycleChem COPY 4 - CANARY - FACILITY

199839

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	908-354-0210	017377898 JJK

GENERATOR

5. Generator's Name and Mailing Address

Con Edison Ossining MGP
31-02 20th Avenue
Long Island City, NY 11105 718-204-4347

Generator's Site Address (if different than mailing address)

1 Harbor Square
Ossining, NY 10562

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

Clean Venture Inc. — NJ0880027193

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

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Clean Earth of North Jersey
105 Jacobus Ave.
Kearny NJ 07032

Facility's Phone: 973-344-4004 — NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NA3082, Hazardous Waste, Liquid, N.O.S. (benzene) Class 9, PG III ERG 128	1	TT	202	G	D018
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

CVI Job # NJ54838-01-05 — Plate# VAL 169 AN8777 — PO# BPA186422
CENJ APPROVAL # 163081697 — Truck # Decal #011536 — ER # 908-354-0210
CVI Contact: Gordon Layfield

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: EATON HANSON — Signature — Month 10 Day 5 Year 17

INT'L

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month 10 Day 5 Year 17

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

DESIGNATED FACILITY

18. Discrepancy

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

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H141	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Bernice Mills — Signature — Month 10 Day 5 Year 17

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CLEANEARTH
Faster, smarter, greener solutions...

GENERATOR Con Ed

MAN. NO. 0173778988 JK

TRANSPORTER CVCC

VEHICLE ID. VOC-169

DRIVER ON OFF

REMARKS:

IN

20930 LB

02:41 PM 10/05/17

OUT

20540 LB

04:20 PM 10/05/17

380

WEIGHER

WEIGH-TRONIX®

Consolidated Edison Company
of New York, Inc.
31-01 20th Avenue
Long Island City NY 11105-2048
www.conEd.com

May 29, 2019

Mr. Matthew S. Hubicki
Project Manager
New York State Department of Environmental
Conservation Section B - Remedial Bureau C
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7017

Re: Consolidated Edison Company of New York, Inc.
Former Ossining Works Site – Site # 360172

Dear Mr. Hubicki:

This letter presents the results of dense non-aqueous phase liquid (DNAPL) monitoring and recovery activities performed from January through December 2018 at the Consolidated Edison Company of New York, Inc. (Con Edison) former Ossining Works site (the "site") located in Ossining, New York (Figure 1). The DNAPL monitoring and recovery activities described in this letter were completed pursuant to the Order on Consent dated July 13, 2018 between Con Edison and the New York State Department of Environmental Conservation (NYSDEC).

The DNAPL monitoring and recovery activities were performed in accordance with the NYSDEC-approved *DNAPL Recovery Work Plan* (Work Plan) prepared by CMX, Inc. (dated September 4, 2008) and consisted of monitoring fluid levels for the OU-3 recovery wells RW-A, RW-B, RW-C, RW-C2, and RW-D (shown on Figure 2) followed by recovery of any accumulated DNAPL on a quarterly basis during 2018.

As proposed in the February 19, 2018 e-mail correspondence from Con Edison to NYSDEC and subsequently approved in an April 10, 2018 e-mail from NYSDEC to Con Edison, evacuation of recoverable DNAPL at RW-D during 2018 was performed using peristaltic pumping instead of the vacuum enhanced recovery approach presented in the Work Plan.

The objectives of the 2018 DNAPL monitoring and recovery activities were to:

- Measure fluid-level elevations at RW-A, RW-B, RW-C, RW-C2, and RW-D to evaluate the presence of DNAPL;

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of New York, Inc.
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- Recover DNAPL encountered at the recovery well RW-D; and
- Evaluate the volume and recharge rate of any DNAPL encountered in the recovery wells.

A summary of the DNAPL monitoring and recovery activities is presented below, followed by a discussion of the DNAPL recovery results.

DNAPL Monitoring and Recovery Activities

Arcadis, Con Edison's environmental consultant for the site, performed fluid level gauging at recovery wells RW-A, RW-B, RW-C, RW-C2, and RW-D and DNAPL recovery at RW-D during the months of April, July, October and November 2018. A description of the DNAPL monitoring and recovery activities is presented below.

Community Air Monitoring Program

Air monitoring was performed during each of the DNAPL monitoring and recovery events for volatile organic compounds (VOCs) using photoionization detectors (PIDs) equipped with continuous data loggers. Air monitoring was performed in the work zone, and upwind and downwind of the work zone during DNAPL recovery activities. PID readings did not exceed the action levels specified in the site-specific Health and Safety Plan (10 parts per million [ppm] above background levels for more than 5 minutes) during the DNAPL monitoring and recovery activities.

Fluid-Level Measurements

Static fluid-levels were measured at each recovery well using an electronic oil-water interface probe to measure the depth from a surveyed mark on the top of the inner well casing to light non-aqueous phase liquid (LNAPL), groundwater, and/or DNAPL surfaces to the nearest 0.01 feet. The fluid-level measurements obtained at each recovery well are presented in Table 1. Table 1 also includes static fluid-level measurements obtained during each previous DNAPL monitoring event (for years prior to 2018). LNAPL was not identified at any of the recovery wells. DNAPL has not been observed at RW-B, RW-C, or RW-C2 at any point since the inception of the monitoring program in 2008.

Trace DNAPL was detected at recovery wells RW-A and RW-D during the October 2018 and November 2018 monitoring events. Prior to that, Trace DNAPL was last observed at

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RW-A during the September 2016 monitoring event. DNAPL was not observed at RW-D during initial gauging for the April and July 2018 monitoring events, but was identified at the bottom of the sump during the October and November 2018 monitoring events (no measurable thickness).

Fluid and DNAPL Recovery

No DNAPL was recovered during 2018 since measurable DNAPL was not identified in ant of the recovery wells during the 2018 monitoring events. DNAPL recovery results for previous recovery events that were conducted prior to 2018 are summarized in Table 2.

Transportation and Disposal

No liquid waste or hazardous waste were generated by the 2018 DNAPL monitoring events. Non-hazardous solid waste (PPE and debris) generated during the April and July 2018 monitoring events was transported offsite for treatment and disposal at a Con Edison-approved facility, Clean Earth of New Jersey (CENJ). Waste shipping documentation is presented in Attachment A. Non-hazardous solid waste from the October and November monitoring events was transferred to a temporary waste storage area at the Con Edison substation located on Central Avenue in the Village of Ossining. Disposal of the non-hazardous solid waste staged in the temporary storage area is pending.

DNAPL Gauging and Recovery Results

DNAPL has not been identified at RW-B, RW-C, and RW-C2 since the start of the monitoring program in 2008. No DNAPL was identified in RW-A or RW-D in April and July 2018. Only trace (non-measurable) DNAPL was identified at RW-A and RW-D during the October and November 2018 monitoring events.

DNAPL recovery at well RW-D began in July 2012 and continued on a quarterly basis through November 2018. A summary of total fluid recovered and DNAPL removed from RW-D is presented in Table 3. A chart presenting the total volume of DNAPL recovered for each recovery event and the average daily DNAPL recovery rate (gallons per day) for each recovery event for RW-D are included as Figure 3.

No additional liquid or DNAPL was removed from RW-D during the 2018 quarterly monitoring events. The greatest amount of DNAPL recovered during a single event since

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initiating recovery at RW-D was removed during the October 2014 event (approximately 28.8 gallons). A total of approximately 123 gallons of DNAPL has been removed since recovery activities began in the well in November 2012. No DNAPL was recovered at RW-D in 2018.

Conclusions and Recommendations

Results of the 2018 DNAPL monitoring and recovery activities described in this letter indicate that only trace, non-recoverable quantities of DNAPL continue to be observed occasionally in recovery wells RW-A and RW-D. DNAPL has not been not identified in the remaining OU-3 recovery wells since inception of the DNAPL monitoring program in 2008. Con Edison conducted one additional round of DNAPL monitoring at OU-3 on March 21, 2019. No measurable DNAPL was detected in any of the recovery wells during this monitoring event. Accordingly, Con Edison recommends that DNAPL monitoring and recovery activities at OU-3 be discontinued. Con Edison will prepare a Construction Completion Report (CCR) for the OU-3 DNAPL monitoring and recovery activities for the NYSDEC's review and approval.

Please do not hesitate to contact me if you have any questions or require additional information.

Very truly yours

Yelena Skorobogatov
Technical Specialist
EH&S, Remediation
Con Edison

cc: Kenneth Kaiser, Con Edison
Anthony Peretta, NYSDOH
Dolores Touhy, Esq., NYSDEC
Michael Jones, Arcadis

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of New York, Inc.
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Long Island City NY 11105-2048
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Enc. **Tables**

1 DNAPL Gauging Measurements
2 RW-D DNAPL Accumulation Data
3 RW-D DNAPL Recovery Data

Figures

1 Site Location Map
2 Existing Recovery Well Map
3 Measured DNAPL Recovery by Date for RW-D

Attachment

A Waste shipping Documents

□□□□E□

TABLE 1
DNAPL GAUGING MEASUREMENTS

OPERABLE UNIT 3
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

Monitoring Well	Date	Field Reading (ppm)	Depth to (feet)				Thickness (feet)		Comments
			[illegible]	Water	[illegible]	Well	[illegible]	[illegible]	
RW-A	10/7/08	567	NE	7.30	28.70	34.67	NE	5.97	Initial development, DNAPL removal and gauging
RW-B		26.2	NE	7.68	NE	35.00	NE	NE	
RW-C		0.0	NE	9.50	NE	35.00	NE	NE	
RW-A	10/8/08	1,078	NE	7.28	33.60	34.67	NE	1.07	
RW-B		0.0	NE	27.19	NE	35.00	NE	NE	
RW-C		0.0	NE	11.18	NE	35.00	NE	NE	
RW-A	10/9/08	1,082	NE	7.35	33.45	34.67	NE	1.22	
RW-B		0.0	NE	22.58	NE	35.00	NE	NE	
RW-C		0.0	NE	10.18	NE	35.00	NE	NE	
RW-A	10/13/08	1,144	NE	7.35	33.70	34.67	NE	0.97	
RW-B		1.2	NE	11.41	NE	35.00	NE	NE	
RW-C		0.0	NE	10.65	NE	35.00	NE	NE	
RW-A	10/20/08	1,443	NE	7.38	33.60	34.67	NE	1.07	
RW-B		5.0	NE	7.82	NE	35.00	NE	NE	
RW-C		0.0	NE	9.82	NE	35.00	NE	NE	
RW-A	11/3/08	1,244	NE	7.42	33.81	34.67	NE	0.86	2nd DNAPL removal event
RW-B		5.1	NE	7.40	NE	35.00	NE	NE	
RW-C		0.0	NE	9.35	NE	35.00	NE	NE	
RW-A	11/10/08	1,578	NE	7.33	19.63*	34.67	NE	*	No NAPL on probe. Reading is false positive due to turbulence in well apparently caused by heavy rainfall.
RW-B		0.2	NE	10.94	NE	35.00	NE	NE	
RW-C		0.0	NE	9.53	NE	35.00	NE	NE	
RW-A	11/17/08	2,128	NE	7.11	33.85	34.67	NE	0.82	
RW-B		0.0	NE	8.02	NE	35.00	NE	NE	
RW-C		0.0	NE	8.78	NE	35.00	NE	NE	
RW-A	12/3/08	1,556	NE	7.29	33.35	34.67	NE	1.32	3rd DNAPL removal event
RW-B		1.8	NE	7.24	NE	35.00	NE	NE	
RW-C		0.0	NE	9.31	NE	35.00	NE	NE	
RW-A	12/10/08	842	NE	6.93	33.49	34.67	NE	1.18	
RW-B		0.0	NE	7.49	NE	35.00	NE	NE	
RW-C		0.0	NE	9.65	NE	35.00	NE	NE	
RW-A	12/15/08	922	NE	6.96	33.48	34.67	NE	1.19	4th DNAPL removal event
RW-B		0.0	NE	7.51	NE	35.00	NE	NE	
RW-C		0.0	NE	9.60	NE	35.00	NE	NE	
RW-A	12/29/08	1,290	NE	6.96	33.35	34.67	NE	1.32	5th DNAPL removal event
RW-B		0.0	NE	7.71	NE	35.00	NE	NE	
RW-C		0.0	NE	9.45	NE	35.00	NE	NE	
RW-A	12/30/08	1,500	NE	6.90	33.20	34.67	NE	1.47	
RW-B		0.0	NE	NR	NE	35.00	NE	NE	
RW-C		0.0	NE	NR	NE	35.00	NE	NE	
RW-A	1/5/09	NR	NE	7.28	33.29	34.67	NE	1.38	6th DNAPL removal event
RW-B		NR	NE	7.68	NE	35.00	NE	NE	
RW-C2		NR	NE	9.62	NE	31.00	NE	NE	
RW-C		NR	NE	9.38	NE	35.00	NE	NE	
RW-A	2/24/09	NR	NE	7.38	32.95	34.67	NE	1.72	7th DNAPL removal event
RW-B		NR	NE	7.71	NE	35.00	NE	NE	
RW-C2		NR	NE	9.82	NE	31.00	NE	NE	
RW-C		NR	NE	9.52	NE	35.00	NE	NE	

TABLE 1
DNAPL GAUGING MEASUREMENTS

OPERABLE UNIT 3
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

Monitoring Well	Date	Bailing Product (ppm)	Depth to Product (feet)				Thickness of Product (feet)		Comments
			Top	Water	Bottom	Well	Top	Bottom	
RW-A	3/27/09	211	NE	7.28	33.30	34.70	NE	1.4	8th DNAPL removal event
RW-B		0.0	NE	7.05	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.09	NE	31.00	NE	NE	
RW-C		0.0	NE	9.21	NE	35.00	NE	NE	
RW-A	4/27/09	439	NE	7.31	33.34	34.70	NE	1.36	9th DNAPL removal event
RW-B		0.0	NE	7.25	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.04	NE	31.00	NE	NE	
RW-C		0.0	NE	9.16	NE	35.00	NE	NE	
RW-A	5/29/09	645	NE	7.22	34.00	34.70	NE	0.7	10th DNAPL removal event
RW-B		2.4	NE	6.90	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.00	NE	31.00	NE	NE	
RW-C		0.4	NE	9.06	NE	35.00	NE	NE	
RW-A	6/26/09	475	NE	6.85	33.30	34.70	NE	1.4	11th DNAPL removal event
RW-B		0.0	NE	6.40	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.05	NE	31.00	NE	NE	
RW-C		0.0	NE	8.20	NE	35.00	NE	NE	
RW-A	7/31/09	NR	NE	7.15	33.50	34.70	NE	1.2	12th DNAPL removal event
RW-B		0.0	NE	7.00	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.60	NE	31.00	NE	NE	
RW-C		0.0	NE	8.79	NE	35.00	NE	NE	
RW-A	8/28/09	270	NE	7.30	33.75	34.70	NE	0.95	13th DNAPL removal event
RW-B		0.0	NE	7.18	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.90	NE	31.00	NE	NE	
RW-C		0.0	NE	8.98	NE	35.00	NE	NE	
RW-A	9/30/09	307	NE	7.45	34.00	34.70	NE	0.7	14th DNAPL removal event
RW-B		0.0	NE	7.23	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.95	NE	31.00	NE	NE	
RW-C		0.0	NE	9.02	NE	35.00	NE	NE	
RW-A	10/29/09	275	NE	6.55	33.90	34.70	NE	0.8	15th DNAPL removal event
RW-B		0.0	NE	6.61	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.80	NE	31.00	NE	NE	
RW-C		0.0	NE	8.83	NE	35.00	NE	NE	
RW-A	11/20/09	325	NE	7.05	34.10	34.70	NE	0.6	16th DNAPL removal event
RW-B		0.0	NE	7.03	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.00	NE	31.00	NE	NE	
RW-C		0.0	NE	9.02	NE	35.00	NE	NE	
RW-A	12/22/09	315	NE	7.35	34.70	34.70	NE	0	17th DNAPL removal event
RW-B		0.0	NE	7.30	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.18	NE	31.00	NE	NE	
RW-C		0.0	NE	9.20	NE	35.00	NE	NE	
RW-A	1/22/10	410	NE	7.40	34.30	34.70	NE	0.4	18th DNAPL removal event
RW-B		0.0	NE	7.47	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.30	NE	31.00	NE	NE	
RW-C		0.0	NE	9.32	NE	35.00	NE	NE	

TABLE 1
DNAPL GAUGING MEASUREMENTS

OPERABLE UNIT 3
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

Monitoring Well	Date	Bailing Product (ppm)	Depth to (feet)				Thickness (feet)		Comments
			Product	Water	Product	Well	Product	Product	
RW-A	2/22/10	405	NE	6.65	34.10	34.70	NE	0.6	19th DNAPL removal event
RW-B		0.0	NE	6.70	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.75	NE	31.00	NE	NE	
RW-C		0.0	NE	8.78	NE	35.00	NE	NE	
RW-A	3/26/10	1,256	NE	6.77	34.70	34.70	NE	0	20th DNAPL removal event
RW-B		0.0	NE	6.65	NE	37.61	NE	NE	
RW-C2		0.0	NE	8.16	NE	31.81	NE	NE	
RW-C		2.6	NE	8.38	NE	37.57	NE	NE	
RW-A	4/23/10	94	NE	7.20	34.29	34.70	NE	0.41	21st DNAPL removal event
RW-B		0.0	NE	6.95	NE	37.59	NE	NE	
RW-C2		0.0	NE	8.91	NE	31.86	NE	NE	
RW-C		0.0	NE	9.08	NE	37.57	NE	NE	
RW-A	5/21/10	392	NE	9.94	34.70	34.70	NE	0	22nd DNAPL removal event
RW-B		0.0	NE	10.70	NE	37.59	NE	NE	
RW-C2		0.0	NE	11.46	NE	31.83	NE	NE	
RW-C		0.0	NE	12.22	NE	37.58	NE	NE	
RW-A	6/25/10	134	NE	7.86	34.20	34.70	NE	0.5	23rd DNAPL removal event
RW-B		0.0	NE	7.06	NE	37.62	NE	NE	
RW-C2		0.0	NE	8.98	NE	31.83	NE	NE	
RW-C		0.0	NE	9.16	NE	37.57	NE	NE	
RW-A	7/30/10	257	NE	7.43	33.25	34.70	NE	1.45	24th DNAPL removal event
RW-B		0.0	NE	7.31	NE	37.49	NE	NE	
RW-C2		0.0	NE	9.11	NE	31.77	NE	NE	
RW-C		0.0	NE	9.33	NE	37.47	NE	NE	
RW-A	8/27/10	165	NE	7.11	34.21	34.70	NE	0.49	25th DNAPL removal event
RW-B		0.0	NE	6.62	NE	34.54	NE	NE	
RW-C2		0.0	NE	8.15	NE	31.82	NE	NE	
RW-C		0.0	NE	8.44	NE	37.51	NE	NE	
RW-A	9/24/10	179	NE	7.50	34.70	34.70	NE	0	26th DNAPL removal event
RW-B		0.0	NE	7.20	NE	37.52	NE	NE	
RW-C2		0.0	NE	9.22	NE	31.80	NE	NE	
RW-C		0.0	NE	9.41	NE	37.50	NE	NE	
RW-A	10/29/10	0.0	NE	7.40	34.70	34.70	NE	0	27th DNAPL removal event
RW-B		0.0	NE	7.03	NE	37.52	NE	NE	
RW-C2		0.0	NE	9.10	NE	37.50	NE	NE	
RW-C		0.0	NE	9.31	NE	31.80	NE	NE	
RW-A	11/24/10	127.2	NE	7.42	34.67	34.70	NE	0.03	28th DNAPL removal event
RW-B		0.0	NE	7.04	NE	37.50	NE	NE	
RW-C2		0.0	NE	9.14	NE	37.50	NE	NE	
RW-C	10/29/10	0.0	NE	9.34	NE	31.75	NE	NE	
RW-A	12/23/10	110.3	NE	7.34	34.50	34.70	NE	0.2	29th DNAPL removal event
RW-B		0.0	NE	7.45	NE	37.50	NE	NE	
RW-C2		0.0	NE	9.00	NE	37.50	NE	NE	
RW-C		0.0	NE	9.16	NE	31.75	NE	NE	

TABLE 1
DNAPL GAUGING MEASUREMENTS

OPERABLE UNIT 3
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

Monitoring Well	Date	Oil Reading (ppm)	Depth (feet)				Thickness (feet)		Comments
			[illegible]	Water	[illegible]	Well	[illegible]	[illegible]	
RW-A	1/31/11	749	NE	7.40	10.00*	34.70	NE	*	30th DNAPL removal event
RW-B		0.0	NE	7.11	NE	37.50	NE	NE	
RW-C2		0.0	NE	9.40	NE	37.50	NE	NE	
RW-C		0.0	NE	9.62	NE	31.75	NE	NE	
RW-A	4/29/11	51.5	NE	6.67	NE	34.70	NE	NE	31st DNAPL removal event
RW-B		0.0	NE	6.55	28.76*	37.50	NE	*	Grey sediment in bottom of bailer to confirm
RW-C2		1.4	NE	8.16	29.98*	37.50	NE	*	
RW-C		0.0	NE	8.43	31.13*	31.75	NE	*	
RW-A	7/29/11	3.2	NE	7.19	34.55	34.70	NE	0.15	32nd DNAPL removal event
RW-B		0.0	NE	6.87	NE	37.50	NE	NE	
RW-C2		0.0	NE	8.77	NE	37.50	NE	NE	
RW-C		0.0	NE	9.01	NE	31.75	NE	NE	
RW-A	10/28/11	147	NE	6.84	NE	34.70	NE	NE	33rd DNAPL removal event
RW-B		0.0	NE	6.60	NE	37.60	NE	NE	
RW-C2		0.0	NE	8.50	NE	31.80	NE	NE	
RW-C		0.0	NE	8.65	NE	37.50	NE	NE	
RW-A	1/27/12	432	NE	6.92	34.57	34.70	NE	0.13	34th DNAPL removal event
RW-B		0.0	NE	6.85	NE	37.62	NE	NE	
RW-C2		0.0	NE	8.91	NE	31.81	NE	NE	
RW-C		0.0	NE	8.92	NE	37.44	NE	NE	
RW-A	4/2/12	426	NE	7.11	34.61	34.64	NE	0.03	35th DNAPL removal event
RW-B		0.0	NE	6.88	NE	37.62	NE	NE	
RW-C2		0.0	NE	9.06	NE	31.88	NE	NE	
RW-C		0.0	NE	9.27	NE	37.62	NE	NE	
RW-A	7/25/12	501	NE	7.15	34.55	34.70	NE	0.15	36th DNAPL removal event
RW-B		0.0	NE	6.88	NE	37.68	NE	NE	
RW-C2		0.0	NE	8.69	NE	31.91	NE	NE	
RW-C		0.0	NE	8.92	NE	37.57	NE	NE	
RW-A	11/15/12	861.4	NE	7.01	34.65	34.70	NE	0.05	37th DNAPL removal event
RW-B		0.0	NE	6.92	NE	37.68	NE	NE	
RW-C2		0.0	NE	8.56	NE	31.91	NE	NE	
RW-C		0.0	NE	8.82	NE	37.57	NE	NE	
RW-D		1,731	NE	2.86	35.68	41.37	NE	5.69	
RW-A	2/28/13	1,033	NE	6.54	34.67	34.70	NE	0.03	38th DNAPL removal event
RW-B		0.0	NE	6.48	NE	37.67	NE	NE	
RW-C2		0.0	NE	8.32	NE	31.92	NE	NE	
RW-C		0.0	NE	8.50	NE	37.57	NE	NE	
RW-D		1,579	NE	2.42	37.69	41.42	NE	3.73	
RW-A	5/31/13	120.8	NE	8.16	34.68	34.70	NE	0.02	39th DNAPL removal event
RW-B		0.0	NE	6.94	NE	37.71	NE	NE	
RW-C2		0.0	NE	8.49	NE	31.91	NE	NE	
RW-C		0.0	NE	8.82	NE	37.58	NE	NE	
RW-D		1,247	NE	3.14	38.81	41.42	NE	2.61	

TABLE 1
DNAPL GAUGING MEASUREMENTS

OPERABLE UNIT 3
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

Monitoring Well	Date	Oil Reading (ppm)	Depth to (feet)				Thickness (feet)		Comments
			[illegible]	Water	[illegible]	Well	[illegible]	[illegible]	
RW-A	8/30/13	Well Inaccessible							40th DNAPL removal event
RW-B		Well Inaccessible							
RW-C2		0.0	NE	8.91	NE	31.87	NE	NE	
RW-C		Well Inaccessible							
RW-D		1,242	NE	3.41	39.82	41.42	NE	1.60	
RW-A	11/26/13	118	NE	7.62	34.52	34.60	NE	0.08	41st DNAPL removal event
RW-B		0.0	NE	7.58	NE	37.49	NE	NE	
RW-C2		0.0	NE	9.82	NE	31.68	NE	NE	
RW-C		0.0	NE	9.98	NE	37.40	NE	NE	
RW-D		893	NE	3.76	39.45	41.42	NE	1.97	
RW-A	3/28/14	140	NE	7.76	34.70	35.32	NE	0.62	42nd DNAPL removal event
RW-B		0.0	NE	7.24	NE	36.67	NE	NE	
RW-C2		0.0	NE	9.35	NE	40.70	NE	NE	
RW-C		0.0	NE	9.08	NE	31.90	NE	NE	
RW-D		584	NE	3.33	39.96	41.49	NE	1.53	
RW-A	6/6/14	82.4	NE	7.21	34.72	35.12	NE	0.40	43rd DNAPL removal event
RW-B		0.0	NE	6.65	NE	37.82	NE	NE	
RW-C2		0.0	NE	8.91	NE	38.92	NE	NE	
RW-C		0.0	NE	8.67	NE	31.84	NE	NE	
RW-D		348	NE	3.12	39.61	41.77	NE	2.16	
RW-A	10/16/14	145	NE	6.89	Trace	34.71	NE	Trace	44th DNAPL removal event
RW-B		0.0	NE	6.88	NE	37.62	NE	NE	
RW-C2		0.0	NE	8.88	NE	31.53	NE	NE	
RW-C		0.0	NE	8.77	NE	31.84	NE	NE	
RW-D		1,145	NE	3.06	34.84	41.43	NE	6.59	
RW-A	12/18/14	78.5	NE	7.13	35.43	35.62	NE	0.19	45th DNAPL removal event
RW-B		0.0	NE	6.93	NE	37.85	NE	NE	
RW-C2		Well Inaccessible							
RW-C		0.0	NE	8.91	NE	31.85	NE	NE	
RW-D		141.0	NE	3.16	39.91	41.34	NE	1.43	
RW-A	3/19/15	65.7	NE	6.88	Trace	34.72	NE	Trace	46th DNAPL removal event
RW-B		0.0	NE	6.89	NE	37.57	NE	NE	
RW-C2		0.0	NE	8.85	NE	37.58	NE	NE	
RW-C		0.0	NE	8.67	NE	31.88	NE	NE	
RW-D		244.0	NE	2.93	40.81	41.52	NE	0.71	
RW-A	6/26/15	Well Inaccessible							47th DNAPL removal event
RW-B		Well Inaccessible							
RW-C2		Well Inaccessible							
RW-C		Well Inaccessible							
RW-D		437.1	NE	3.18	38.65	41.52	NE	2.87	
RW-A	9/24/15	504.3	NE	7.21	NE	35.21	NE	NE	48th DNAPL removal event
RW-B		Well Inaccessible							
RW-C2		0.0	NE	8.81	NE	37.70	NE	NE	
RW-C		0.0	NE	8.50	NE	31.96	NE	NE	
RW-D		789.3	NE	3.25	40.25	41.47	NE	1.22	

TABLE 1
DNAPL GAUGING MEASUREMENTS

OPERABLE UNIT 3
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

Monitoring Well	Date	Oil Reading (ppm)	Depth (feet)				Thickness (feet)		Comments
			[illegible]	Water	[illegible]	Well	[illegible]	[illegible]	
RW-A	12/1/15	266.5	NE	7.18	Trace	35.21	NE	Trace	49th DNAPL removal event
RW-B		0.0	NE	7.00	NE	33.05	NE	NE	
RW-C2		0.0	NE	9.00	NE	37.70	NE	NE	
RW-C		0.0	NE	9.06	NE	31.96	NE	NE	
RW-D		378.1	NE	3.23	40.85	41.47	NE	0.62	
RW-A	3/22/16	66.5	NE	7.03	Trace	35.69	NE	Trace	50th DNAPL removal event
RW-B		0.0	NE	6.83	NE	38.94	NE	NE	
RW-C2		47.5	NE	8.80	NE	38.27	NE	NE	
RW-C		0.0	NE	9.64	NE	31.88	NE	NE	
RW-D		298.6	NE	8.51	NE	42.21	NE	NE	
RW-A	6/30/16	2.4	NE	5.41	NE	34.41	NE	NE	51st DNAPL removal event
RW-B		0.2	NE	6.61	NE	38.91	NE	NE	
RW-C2		0.0	NE	8.96	NE	38.00	NE	NE	
RW-C		0.0	NE	7.03	NE	29.63	NE	NE	
RW-D		89.6	NE	22.36	41.23	41.80	NE	0.57	
RW-A	9/29/16	3.8	NE	5.22	Trace	32.25	NE	Trace	52nd DNAPL removal event
RW-B		0.3	NE	6.61	NE	32.41	NE	NE	
RW-C2		Well Inaccessible							
RW-C		0.4	NE	10.20	NE	29.91	NE	NE	
RW-D		386.0	NE	24.64	41.20	41.47	NE	0.27	
RW-A	3/29/17	0.0	NE	8.12	NE	29.55	NE	NE	53rd DNAPL removal event
RW-B		0.0	NE	10.83	NE	38.00	NE	NE	
RW-C2		0.0	NE	8.70	NE	38.00	NE	NE	
RW-C		Well Inaccessible							
RW-D		62.4	NE	4.32	41.28	41.86	NE	0.58	
RW-A	6/22/17	Well Inaccessible							54th DNAPL removal event
RW-B		1.5	NE	10.90	NE	36.61	NE	NE	
RW-C2		0.5	NE	9.68	NE	38.09	NE	NE	
RW-C		2.7	NE	6.86	NE	29.92	NE	NE	
RW-D		185.0	NE	6.33	NE	41.40	NE	NE	
RW-A	10/5/17	3.0	NE	5.51	NE	31.90	NE	NE	55th DNAPL removal event
RW-B		0.0	NE	10.85	NE	36.60	NE	NE	
RW-C2		0.0	NE	9.68	NE	38.09	NE	NE	
RW-C		0.0	NE	6.80	NE	29.92	NE	NE	
RW-D		121.1	NE	4.75	NE	41.40	NE	NE	
RW-A	4/12/18	32.3	NE	5.29	NE	33.10	NE	NE	56th DNAPL removal event
RW-B		0.0	NE	10.88	NE	38.45	NE	NE	
RW-C2		0.0	NE	8.77	NE	39.22	NE	NE	
RW-C		0.8	NE	6.79	NE	30.37	NE	NE	
RW-D		350.2	NE	2.71	NE	43.54	NE	NE	
RW-A	7/6/18	0.1	NE	5.21	NE	32.79	NE	NE	57th DNAPL removal event
RW-B		0.0	NE	10.88	NE	36.45	NE	NE	
RW-C2		3.8	NE	8.63	NE	37.17	NE	NE	
RW-C		13.6	NE	6.46	NE	29.91	NE	NE	
RW-D		380.3	NE	2.74	NE	41.60	NE	NE	
RW-A	10/5/18	3.7	NE	5.21	NE	32.79	NE	Trace	57th DNAPL removal event
RW-B		0.0	NE	10.34	NE	38.45	NE	NE	
RW-C2		0.0	NE	8.63	NE	38.09	NE	NE	
RW-C		0.0	NE	5.91	NE	30.09	NE	NE	
RW-D		14.7	NE	3.71	NE	41.48	NE	Trace	
RW-A		7.5	NE	4.71	NE	34.74	NE	Trace	

TABLE 1
DNAPL GAUGING MEASUREMENTS

OPERABLE UNIT 3
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

Monitoring Well	Date	PID Reading (ppm)	Depth to Feature (Feet)				Thickness (Feet)		Comments
			LNAPL	Water	DNAPL	Well	LNAPL	DNAPL	
RW-B	11/28/18	0.0	NE	10.41	NE	34.36	NE	NE	57th DNAPL removal event
RW-C2		0.0	NE	7.75	NE	41.00	NE	NE	
RW-C		0.0	NE	6.05	NE	30.41	NE	NE	
RW-D		815.6	NE	2.70	NE	43.26	NE	Trace	

Notes:
1. Depths measured in feet below the top of the well casing.
2. PID = photoionization detector.
3. ppm = parts per million.
4. LNAPL = light non-aqueous phase liquid.
5. DNAPL = dense non-aqueous phase liquid.
6. NAPL = non-aqueous phase liquid.
7. * False positive reading. Could not confirm depth or thickness of DNAPL
8. NE = not encountered.
9. NM = not measured.
10. NR = not recorded.
11. Measuring points and/or surface completions were modified by Harbor Square construction activities as identified below.
    - MW-A was refinished as a flushmount well as observed during the 6/30/16 evacuation event.
    - MW-B groundsurface elevation raised and a protective PVC casing was observed during the 3/22/16 evacuation event.
    - MW-C was refinished as a flushmount well as observed during the 6/30/16 evacuation event.
    - MW-D groundsurface elevation was raised and a new surface completion was observed during the 6/30/16 evacuation event.

TABLE 2
RW-D DNAPL ACCUMULATION DATA

OPERABLE UNIT 3
FORMER OSSINING WORKS MANUFACTURE GAS PLANT
OSSINING, NEW YORK

Recovery									
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Liquid Removed Gals	Measured Product
1	a	7/25/2012	8:45	NM	0.17	0	1st well evacuation from 8:25 until 8:35		2.6
			8:50	41.45	0.25	0.05	2nd well evacuation from 9:00 until 9:15		
	b	7/25/2012	9:20	41.35	0.08	0.15	Well evacuation complete		0.1
			9:30	41.14	0.25	0.36			
			9:35	41.04	0.33	0.46	3rd well evacuation from 9:45 until 10:00		
	c	7/25/2012	10:00	41.30	0	0.2	Well evacuation complete		0.7
			10:15	41.02	0.25	0.48			
			10:30	39.87	0.5	1.63	4th well evacuation from 10:40 until 10:50		
	d	7/25/2012	10:55	40.85	0.08	0.65	Well evacuation complete		2.4
			11:05	40.44	0.25	1.06			
			11:15	40.28	0.42	1.22	5th well evacuation from 11:20 until 11:30		
	e	7/25/2012	11:35	40.48	0.08	1.02	Well evacuation complete		1.8
			11:45	40.45	0.25	1.05			
			11:50	40.43	0.33	1.07	6th well evacuation from 12:05 until 12:15		
	f	7/25/2012	12:20	40.48	0.25	1.02	Well evacuation complete	216	1.6
			12:30	40.04	0.42	1.46			
			12:40	39.85	0.58	1.65			
2	a	11/15/2012	9:24	NM	0	0	1st well evacuation completed from 9:13 until 9:24		8.5
			9:32	41.40	0.13	0.02			
			9:37	41.38	0.22	0.04			
			9:42	41.23	0.3	0.19	2nd well evacuation from 9:55 until 10:06		
	b	11/15/2012	10:08	41.42	0.03	0	Well evacuation complete		0.3
			10:19	41.08	0.22	0.34			
			10:25	40.78	0.32	0.64			
			10:48	40.34	0.7	1.08			
			11:05	40.26	0.98	1.16	3rd well evacuation from 11:22 until 11:36		
	c	11/15/2012	11:48	41.21	0.2	0.23	Well evacuation complete		1.7
			11:53	41.04	0.28	0.4			
			12:03	40.81	0.45	0.63			
			12:09	40.72	0.55	0.72			
			12:20	40.61	0.73	0.83			
			12:50	40.21	1.23	1.23	4th well evacuation from 12:52 until 13:08		
	d	11/15/2012	13:09	41.42	0.02	0.02	Well evacuation complete	232	1.8
			13:20	41.21	0.2	0.23			
			13:25	41.00	0.28	0.44			
			13:39	40.71	0.52	0.73			
			13:52	40.47	0.73	0.97			
3	a	2/28/2013	7:39	39.01	0	2.43	1st well evacuation completed from 7:24 until 7:39		1.9
			7:44	37.07	0.08	4.37			
			7:49	36.58	0.17	4.86			
			7:54	36.52	0.25	4.92			
			7:59	36.36	0.33	5.08			
			8:04	36.17	0.42	5.27			
			8:09	36.09	0.5	5.35	2nd well evacuation from 8:09 until 8:24		
	b	2/28/2013	8:24	NM	0	0	Well evacuation complete		7.9
			8:29	41.22	0.08	0.2			
			8:34	41.06	0.17	0.36			
			8:39	41.00	0.25	0.42			
			8:44	40.93	0.33	0.49			
			8:49	40.84	0.42	0.58			
			8:54	40.74	0.5	0.68	3rd well evacuation from 8:54 until 9:09		
	c	2/28/2013	9:09	NM	0	0	Well evacuation complete		1.0
			9:14	41.37	0.08	0.05			
			9:19	41.27	0.17	0.15			
			9:24	41.12	0.25	0.3			
			9:29	40.99	0.33	0.43			
			9:34	40.86	0.42	0.56			
			9:39	40.76	0.5	0.66	4th well evacuation from 9:39 until 9:54		

Recovery									
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Liquid	Measured Product
3	d	2/28/2013	9:54	NM	0	0	Well evacuation complete		1.0
			9:59	41.36	0.08	0.06			
			10:04	41.28	0.17	0.14			
			10:09	41.08	0.25	0.34			
			10:14	40.91	0.33	0.51			
			10:19	40.75	0.42	0.67			
			10:24	40.71	0.5	0.71	5th well evacuation from 10:24 until 10:39		
	e	2/28/2013	10:39	NM	0	0	Well evacuation complete		1.0
			10:44	41.38	0.08	0.04			
			10:49	41.26	0.17	0.16			
			10:54	41.11	0.25	0.31			
			10:59	41.06	0.33	0.36			
			11:04	40.91	0.42	0.51			
			11:09	40.76	0.5	0.66	6th well evacuation from 11:09 until 11:24		
	f	2/28/2013	11:24	NM	0	0	Well evacuation complete		1.0
			11:29	41.35	0.08	0.07			
			11:34	41.25	0.17	0.17			
			11:39	41.10	0.25	0.32			
			11:44	40.95	0.33	0.47			
			11:49	40.79	0.42	0.63			
			11:54	40.74	0.5	0.68	7th well evacuation from 11:54 until 12:09		
	g	2/28/2013	12:09	NM	0	0	Well evacuation complete	508	1.0
			12:14	41.40	0.08	0.02			
			12:19	41.24	0.17	0.18			
			12:24	41.17	0.25	0.25			
			12:29	40.92	0.33	0.5			
			12:34	40.89	0.42	0.53			
			12:39	40.79	0.5	0.63			
4	a	5/31/2013	7:15	41.35	0	0.07	1st well evacuation completed from 7:00 until 7:15		3.7
			7:20	40.92	0.08	0.5			
			7:25	40.69	0.17	0.73			
			7:30	40.60	0.25	0.82			
			7:35	40.42	0.33	1			
			7:40	40.34	0.42	1.08			
			7:45	40.27	0.5	1.15	2nd well evacuation from 7:45 until 8:00		
	b	5/31/2013	8:00	NM	0	0	Well evacuation complete		1.7
			8:05	41.42	0.08	0			
			8:10	41.29	0.17	0.13			
			8:15	41.19	0.25	0.23			
			8:20	40.94	0.33	0.48			
			8:25	40.79	0.42	0.63			
			8:30	40.70	0.5	0.72	3rd well evacuation from 8:30 until 8:45		
	c	5/31/2013	8:45	NM	0	0	Well evacuation complete		1.1
			8:50	41.40	0.08	0.02			
			8:55	41.35	0.17	0.07			
			9:00	41.29	0.25	0.13			
			9:05	41.17	0.33	0.25			
			9:10	41.08	0.42	0.34			
			9:15	40.93	0.5	0.49	4th well evacuation from 9:15 until 9:30		
	d	5/31/2013	9:30	NM	0	0	Well evacuation complete		0.7
			9:35	41.41	0.08	0.01			
			9:40	41.36	0.17	0.06			
			9:45	41.15	0.25	0.27			
			9:50	41.09	0.33	0.33			
			9:55	40.99	0.42	0.43			
			10:00	40.88	0.5	0.54	5th well evacuation from 10:00 until 10:15		

Recovery									
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Liquid	Measured
4	e	5/31/2013	10:15	NM	0	0	Well evacuation complete		0.8
			10:20	41.40	0.08	0.02			
			10:25	41.33	0.17	0.09			
			10:30	41.29	0.25	0.13			
			10:35	41.15	0.33	0.27			
			10:40	40.93	0.42	0.49			
			10:45	40.89	0.5	0.53	6th well evacuation from 10:45 until 11:00		
	f	5/31/2013	11:00	NM	0	0	Well evacuation complete		0.8
			11:05	41.41	0.08	0.01			
			11:10	41.35	0.17	0.07			
			11:15	41.10	0.25	0.32			
			11:20	40.96	0.33	0.46			
			11:25	40.88	0.42	0.54			
			11:30	40.80	0.5	0.62	7th well evacuation from 11:30 until 11:45		
	g	5/31/2013	11:45	41.42	0	0	Well evacuation complete	382	0.9
			11:50	41.35	0.08	0.07			
			11:55	41.29	0.17	0.13			
			12:00	41.18	0.25	0.24			
			12:05	41.08	0.33	0.34			
			12:10	40.96	0.42	0.46			
			12:15	40.85	0.5	0.57			
5	a	8/30/2013	8:15	40.95	0	0.47	1st well evacuation completed from 8:00 to 8:15		1.7
			8:20	40.65	0.08	0.77			
			8:25	40.36	0.17	1.06			
			8:30	40.18	0.25	1.24			
			8:35	39.91	0.33	1.51			
			8:40	39.75	0.42	1.67			
			8:45	39.68	0.5	1.74	2nd well evacuation from 8:45 until 9:00		
	b	8/30/2013	9:00	41.12	0	0.3	Well evacuation complete		2.1
			9:05	40.89	0.08	0.53			
			9:10	40.70	0.17	0.72			
			9:15	40.56	0.25	0.86			
			9:20	40.52	0.33	0.9			
			9:25	40.45	0.42	0.97			
			9:30	40.31	0.5	1.11	3rd well evacuation from 9:30 until 9:45		
	c	8/30/2013	9:45	41.21	0	0.21	Well evacuation complete		1.3
			9:50	40.89	0.08	0.53			
			9:55	40.69	0.17	0.73			
			10:00	40.52	0.25	0.9			
			10:05	40.47	0.33	0.95			
			10:10	40.31	0.42	1.11			
			10:15	40.24	0.5	1.18	4th well evacuation from 10:15 until 10:30		
	d	8/30/2013	10:30	41.01	0	0.41	Well evacuation complete		1.1
			10:35	40.91	0.08	0.51			
			10:40	40.81	0.17	0.61			
			10:45	39.93	0.25	1.49			
			10:50	39.84	0.33	1.58			
			10:55	39.78	0.42	1.64			
			11:00	39.74	0.5	1.68	5th well evacuation from 11:00 until 11:15		
	e	8/30/2013	11:15	40.22	0	1.2	Well evacuation complete		0.7
			11:20	39.99	0.08	1.43			
			11:25	39.83	0.17	1.59			
			11:30	39.78	0.25	1.64			
			11:35	39.70	0.33	1.72			
			11:40	39.62	0.42	1.8			
			11:45	39.57	0.5	1.85	6th well evacuation from 11:45 until 12:00		
	f	8/30/2013	12:00	40.18	0	1.24	Well evacuation complete		0.9
			12:05	40.00	0.08	1.42			
			12:10	39.97	0.17	1.45			
			12:15	39.93	0.25	1.49			
			12:20	39.89	0.33	1.53			
			12:25	39.85	0.42	1.57			
			12:30	39.80	0.5	1.62	7th well evacuation from 12:30 until 12:45		

Recovery									
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Time Removed Fluids	Measured Volume
5	g	8/30/2013	12:45	40.15	0	1.27	Well evacuation complete	170	0.5
			12:50	39.95	0.08	1.47			
			12:55	39.86	0.17	1.56			
			13:00	39.83	0.25	1.59			
			13:05	39.79	0.33	1.63			
			13:10	39.81	0.42	1.61			
			13:15	39.79	0.5	1.63			
6	a	11/26/2013	13:15	38.51	0	2.91	1st well evacuation completed from 13:00 to 13:15		0.0
			13:20	38.22	0.08	3.2			
			13:25	37.70	0.17	3.72			
			13:30	37.40	0.25	4.02			
			13:35	37.29	0.33	4.13			
			13:40	37.25	0.42	4.17			
			13:45	37.19	0.5	4.23	2nd well evacuation from 13:45 to 14:00		
	b	11/26/2013	14:00	37.86	0	3.56	Well evacuation complete		1.0
			14:05	37.73	0.08	3.69			
			14:10	37.61	0.17	3.81			
			14:15	37.53	0.25	3.89			
			14:20	37.44	0.33	3.98			
			14:25	37.37	0.42	4.05			
			14:30	37.31	0.5	4.11	3rd well evacuation from 14:30 to 14:45		
	c	11/26/2013	14:45	ND	0	0	Well evacuation complete		6.0
			14:50	41.40	0.08	0.02			
			14:55	41.38	0.17	0.04			
			15:00	41.22	0.25	0.2			
			15:05	41.09	0.33	0.33			
			15:10	39.98	0.42	1.44			
			15:15	39.87	0.5	1.55	4th well evacuation from 15:15 to 15:30		
	d	11/26/2013	15:30	ND	0	0	Well evacuation complete		2.3
			15:35	ND	0.08	0			
			15:40	41.38	0.17	0.04			
			15:45	41.29	0.25	0.13			
			15:50	41.25	0.33	0.17			
			15:55	41.16	0.42	0.26			
			16:00	41.03	0.5	0.39	5th well evacuation from 16:00 to 16:15		
	e	11/26/2013	16:15	ND	0	0	Well evacuation complete	190	0.6
			16:20	ND	0.08	0			
			16:25	41.40	0.17	0.02			
			16:30	41.35	0.25	0.07			
			16:35	41.30	0.33	0.12			
			16:40	41.21	0.42	0.21			
			16:45	41.15	0.5	0.27			
7	a	3/28/2014	8:30	39.97	0	1.45	1st well evacuation completed from 8:15 to 8:30		0.1
			8:35	37.88	0.08	3.54			
			8:40	35.87	0.17	5.55			
			8:45	37.20	0.25	4.22			
			8:50	37.05	0.33	4.37			
			8:55	37.16	0.42	4.26			
			9:00	37.11	0.5	4.31	2nd well evacuation from 9:00 to 9:15		
	b	3/28/2014	9:15	38.71	0	2.71	Well evacuation complete		2.3
			9:20	38.63	0.08	2.79			
			9:25	38.32	0.17	3.1			
			9:30	38.30	0.25	3.12			
			9:35	38.22	0.33	3.2			
			9:40	38.13	0.42	3.29			
			9:45	38.00	0.5	3.42	3rd well evacuation from 9:45 to 10:00		
	c	3/28/2014	10:00	38.71	0	2.71	Well evacuation complete		1.0
			10:05	38.62	0.08	2.8			
			10:10	38.31	0.17	3.11			
			10:15	38.28	0.25	3.14			
			10:20	38.18	0.33	3.24			
			10:25	38.10	0.42	3.32			
			10:30	38.08	0.5	3.34	4th well evacuation from 1615 to 1645		
	d	3/28/2014	10:45	38.72	0	2.7	Well evacuation complete		0.9
			10:50	38.63	0.08	2.79			
			10:55	38.48	0.17	2.94			
			11:00	38.67	0.25	2.75			
			11:05	38.57	0.33	2.85			
			11:10	38.46	0.42	2.96			
			11:15	38.43	0.5	2.99	5th well evacuation from 11:15 to 11:30		

Recovery									
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Liquid	Measured
7	e	3/28/2014	11:30	39.05	0	2.37	Well evacuation complete		0.9
			11:35	39.05	0.08	2.37			
			11:40	39.04	0.17	2.38			
			11:45	38.90	0.25	2.52			
			11:50	38.83	0.33	2.59			
			11:55	38.77	0.42	2.65			
			12:00	38.70	0.5	2.72	6th well evacuation from 12:00 to 12:15		
	f	3/28/2014	12:15	38.95	0	2.47	Well evacuation complete		0.4
			12:20	39.12	0.08	2.3			
			12:25	39.00	0.17	2.42			
			12:30	39.00	0.25	2.42			
			12:35	38.73	0.33	2.69			
			12:40	38.71	0.42	2.71			
			12:45	38.70	0.5	2.72	7th well evacuation from 12:45 to 13:00		
	g	3/28/2014	13:00	39.21	0	2.21	Well evacuation complete	382	0.7
			13:05	39.20	0.08	2.22			
			13:10	39.18	0.17	2.24			
			13:15	39.13	0.25	2.29			
			13:20	38.73	0.33	2.69			
			13:25	38.71	0.42	2.71			
			13:30	38.70	0.5	2.72			
8	a	6/6/2014	8:15	36.78	0	4.64	1st well evacuation completed from 8:15 to 8:30		0*
			8:20	36.41	0.08	5.01			
			8:25	35.65	0.17	5.77			
			8:30	35.23	0.25	6.19			
			8:35	34.99	0.33	6.43			
			8:40	34.92	0.42	6.5			
			8:45	35.21	0.5	6.21	2nd well evacuation from 8:45 to 9:00		
	b	6/6/2014	9:00	37.22	0	4.2	Well evacuation complete		3.0
			9:05	37.01	0.08	4.41			
			9:10	36.98	0.17	4.44			
			9:15	36.91	0.25	4.51			
			9:20	36.81	0.33	4.61			
			9:25	36.72	0.42	4.7			
			9:30	36.70	0.5	4.72	3rd well evacuation from 9:30 to 9:45		
	c	6/6/2014	9:45	37.44	0	3.98	Well evacuation complete		1.1
			9:50	37.22	0.08	4.2			
			9:55	37.01	0.17	4.41			
			10:00	37.00	0.25	4.42			
			10:05	36.87	0.33	4.55			
			10:10	36.81	0.42	4.61			
			10:15	36.79	0.5	4.63	4th well evacuation from 10:15 to 10:30		
	d	6/6/2014	10:30	36.90	0	4.52	Well evacuation complete		0.2
			10:35	36.80	0.08	4.62			
			10:40	36.71	0.17	4.71			
			10:45	36.62	0.25	4.8			
			10:50	36.57	0.33	4.85			
			10:55	36.53	0.42	4.89			
			11:00	36.51	0.5	4.91	5th well evacuation from 11:00 to 11:15		
	e	6/6/2014	11:15	36.21	0	5.21	Well evacuation complete		0*
			11:20	36.11	0.08	5.31			
			11:25	36.02	0.17	5.4			
			11:30	35.98	0.25	5.44			
			11:35	35.96	0.33	5.46			
			11:40	35.96	0.42	5.46			
			11:45	35.93	0.5	5.49	6th well evacuation from 11:45 to 12:00		
	f	6/6/2014	12:00	35.93	0	5.49	Well evacuation complete		0.0
			12:05	35.81	0.08	5.61			
			12:10	35.79	0.17	5.63			
			12:15	35.68	0.25	5.74			
			12:20	35.52	0.33	5.9			
			12:25	35.42	0.42	6			
			12:30	35.38	0.5	6.04	7th well evacuation from 12:30 to 12:45		
	g	6/6/2014	12:45	35.74	0	5.68	Well evacuation complete	304	0.5
			12:50	35.65	0.08	5.77			
			12:55	35.89	0.17	5.53			
			13:00	35.81	0.25	5.61			
			13:05	35.78	0.33	5.64			
			13:10	35.63	0.42	5.79			
			13:15	35.53	0.5	5.89			

Recovery								Volume Removed Fluids	
Event	Cycle	Date	Time	Depth to Water Feet	Elapsed Time Hours	Thickness Feet	Comments	Total Fluid	Measured
9	a	10/16/2014	8:55	39.70	0	1.72	1st well evacuation completed from 8:40 to 8:55		7.1
			9:00	39.35	0.08	2.07			
			9:05	38.97	0.17	2.45			
			9:10	38.72	0.25	2.7			
			9:15	37.61	0.33	3.81			
			9:20	36.83	0.42	4.59			
			9:25	35.34	0.5	6.08	2nd well evacuation from 9:25 to 9:40		
	b	10/16/2014	9:40	39.86	0	1.56	Well evacuation complete		6.6
			9:45	38.06	0.08	3.36			
			9:50	38.29	0.17	3.13			
			9:55	37.64	0.25	3.78			
			10:00	37.48	0.33	3.94			
			10:05	37.31	0.42	4.11			
			10:10	37.14	0.5	4.28	3rd well evacuation from 10:10 to 10:25		
	c	10/16/2014	10:25	37.79	0	3.63	Well evacuation complete		1.0
			10:30	36.36	0.08	5.06			
			10:35	36.89	0.17	4.53			
			10:40	36.45	0.25	4.97			
			10:45	36.01	0.33	5.41			
			10:50	35.74	0.42	5.68			
			10:55	35.41	0.5	6.01	4th well evacuation from 10:55 to 11:10		
	d	10/16/2014	11:10	39.71	0	1.71	Well evacuation complete		6.3
			11:15	39.62	0.08	1.8			
			11:20	39.41	0.17	2.01			
			11:25	39.41	0.25	2.01			
			11:30	39.27	0.33	2.15			
			11:35	39.24	0.42	2.18			
			11:40	39.24	0.5	2.18	5th well evacuation from 11:40 to 11:55		
	e	10/16/2014	11:55	38.74	0	2.68	Well evacuation complete		0*
			12:00	36.74	0.08	4.68			
			12:05	36.69	0.17	4.73			
			12:10	36.55	0.25	4.87			
			12:15	36.40	0.33	5.02			
			12:20	36.25	0.42	5.17			
			12:25	36.11	0.5	5.31	6th well evacuation from 12:50 to 13:05		
	f	10/16/2014	13:05	41.41	0	0.01	Well evacuation complete	304	7.8
			13:10	41.41	0.08	0.01	Interface probe possibly malfunctioning (NAPL on probe, but probe was not sounding)		
			13:15	41.41	0.17	0.01			
			13:20	41.41	0.25	0.01			
			13:25	41.41	0.33	0.01			
			13:30	41.41	0.42	0.01			
			13:35	41.41	0.5	0.01			
10	a	12/18/2014	9:15	39.95	0	1.47	1st well evacuation completed from 9:00 to 9:15		0.1
			9:20	39.80	0.08	1.62			
			9:25	39.65	0.17	1.77			
			9:30	39.52	0.25	1.9			
			9:35	39.41	0.33	2.01			
			9:40	39.28	0.42	2.14			
			9:45	39.15	0.5	2.27	2nd well evacuation from 9:45 to 10:00		
	b	12/18/2014	10:00	39.64	0	1.78	Well evacuation complete		0.7
			10:05	39.50	0.08	1.92			
			10:10	39.36	0.17	2.06			
			10:15	39.25	0.25	2.17			
			10:20	39.19	0.33	2.23			
			10:25	39.13	0.42	2.29			
			10:30	39.08	0.5	2.34	3rd well evacuation from 10:30 to 10:45		

Recovery									
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Liquid	Measured
10	c	12/18/2014	10:45	39.16	0	2.26	Well evacuation complete		0.1
			10:50	39.00	0.08	2.42			
			10:55	38.94	0.17	2.48			
			11:00	38.85	0.25	2.57			
			11:05	38.79	0.33	2.63			
			11:10	38.71	0.42	2.71			
			11:15	38.63	0.5	2.79	4th well evacuation from 11:15 to 11:30		
	d	12/18/2014	11:30	39.99	0	1.43	Well evacuation complete		2.0
			11:35	39.95	0.08	1.47			
			11:40	39.89	0.17	1.53			
			11:45	39.83	0.25	1.59			
			11:50	39.76	0.33	1.66			
			11:55	39.70	0.42	1.72			
			12:00	39.72	0.5	1.7	5th well evacuation from 12:00 to 12:15		
	e	12/18/2014	12:15	40.20	0	1.22	Well evacuation complete		0.7
			12:20	40.05	0.08	1.37			
			12:25	39.85	0.17	1.57			
			12:30	39.80	0.25	1.62			
			12:35	39.78	0.33	1.64			
			12:40	39.77	0.42	1.65			
			12:45	39.76	0.5	1.66	6th well evacuation from 12:50 to 13:05		
	f	12/18/2014	13:00	40.50	0	0.92	Well evacuation complete	95	1.1
			13:05	40.35	0.08	1.07			
			13:10	40.31	0.17	1.11			
			13:15	40.26	0.25	1.16			
			13:20	40.22	0.33	1.2			
			13:25	40.20	0.42	1.22			
			13:30	40.16	0.5	1.26			
11	a	3/19/2015	10:11	41.21	0	0.31	1st well evacuation completed from 9:56 to 10:11		0.4
			10:16	41.15	0.08	0.37			
			10:21	41.02	0.17	0.5			
			10:26	40.89	0.25	0.63			
			10:31	40.72	0.33	0.8			
			10:36	40.65	0.42	0.87			
			10:41	40.56	0.5	0.96	2nd well evacuation from 10:50 to 11:05		
	b	3/19/2015	11:06	40.20	0	1.32	Well evacuation complete		0*
			11:11	39.89	0.08	1.63			
			11:16	39.89	0.17	1.63			
			11:21	39.82	0.25	1.7			
			11:26	39.75	0.33	1.77			
			11:31	39.60	0.42	1.92			
			11:36	39.54	0.5	1.98	3rd well evacuation from 11:38 to 11:53		
	c	3/19/2015	11:54	40.05	0	1.47	Well evacuation complete		0.7
			11:59	40.05	0.08	1.47			
			12:04	39.98	0.17	1.54			
			12:09	39.87	0.25	1.65			
			12:14	39.75	0.33	1.77			
			12:19	- -	0.42	- -			
			12:24	39.60	0.5	1.92	4th well evacuation from 12:27 to 12:42		
	d	3/19/2015	12:43	40.01	0	1.51	Well evacuation complete		0.6
			12:48	39.93	0.08	1.59			
			12:53	39.82	0.17	1.7			
			12:58	39.66	0.25	1.86			
			13:03	39.75	0.33	1.77			
			13:08	39.60	0.42	1.92			
			13:13	39.81	0.5	1.71	5th well evacuation from 13:15 to 13:35		
	e	3/19/2015	13:36	40.20	0	1.32	Well evacuation complete		0.6
			13:41	- -	0.08	- -			
			13:46	39.90	0.17	1.62			
			13:51	39.90	0.25	1.62			
			13:56	39.98	0.33	1.54			
			14:01	40.03	0.42	1.49			
			14:06	40.05	0.5	1.47	6th well evacuation from 14:10 to 14:25		

Recovery									
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Liquid Volume Removed Gals	Measured Product Volume
11	f	3/19/2015	14:29	39.40	0	2.12	Well evacuation complete	180	0*
			14:34	39.75	0.08	1.77			
			14:39	40.60	0.17	0.92			
			14:44	39.79	0.25	1.73			
			14:49	40.21	0.33	1.31			
			14:54	40.36	0.42	1.16			
			14:59	40.45	0.5	1.07			
12	a	6/26/2015	8:35	- -	0	- -	1st well evacuation completed from 8:27 to 8:32		3.1
			8:40	40.85	0.08	0.67			
			8:45	40.42	0.17	1.1			
			8:50	40.40	0.25	1.12			
			8:55	40.14	0.33	1.38			
			9:00	39.90	0.42	1.62			
			9:05	39.90	0.5	1.62	2nd well evacuation from 9:10 to 9:15		
	b	6/26/2015	9:20	41.45	0	0.07	Well evacuation complete		2.3
			9:25	41.18	0.08	0.34			
			9:30	41.09	0.17	0.43			
			9:35	40.72	0.25	0.8			
			9:40	40.54	0.33	0.98			
			9:45	40.42	0.42	1.1			
			9:50	40.28	0.5	1.24	3rd well evacuation from 9:55 to 10:00		
	c	6/26/2015	10:05	41.45	0	0.07	Well evacuation complete		1.7
			10:10	41.34	0.08	0.18			
			10:15	41.32	0.17	0.2			
			10:20	41.26	0.25	0.26			
			10:25	41.17	0.33	0.35			
			10:30	41.11	0.42	0.41			
			10:35	41.09	0.5	0.43	4th well evacuation from 10:40 to 10:45		
	d	6/26/2015	10:50	41.50	0	0.02	Well evacuation complete		0.6
			10:55	41.45	0.08	0.07			
			11:00	41.40	0.17	0.12			
			11:05	41.38	0.25	0.14			
			11:10	41.34	0.33	0.18			
			11:15	41.29	0.42	0.23	5th well evacuation from 11:22 to 11:27		
	e	6/26/2015	11:30	41.45	0	0.07	Well evacuation complete		0.2
			11:35	41.45	0.08	0.07			
			11:40	41.44	0.17	0.08			
			11:45	41.44	0.25	0.08			
			11:50	41.44	0.33	0.08			
			11:55	41.40	0.42	0.12	6th well evacuation from 12:00 to 12:05		
	f	6/26/2015	12:10	41.45	0	0.07	Well evacuation complete	140	0.1
			12:15	41.45	0.08	0.07			
			12:20	41.43	0.17	0.09			
			12:25	41.43	0.25	0.09			
			12:30	41.43	0.33	0.09			
			12:35	41.43	0.42	0.09			
13	a	9/24/2015	10:10	40.08	0	1.44	1st well evacuation completed from 9:55 to 10:10		0*
			10:15	40.22	0.08	1.3			
			10:20	40.34	0.17	1.18			
			10:25	40.35	0.25	1.17			
			10:30	40.34	0.33	1.18			
			10:35	40.33	0.42	1.19			
			10:40	40.32	0.5	1.2	2nd well evacuation from 10:45 to 10:55		
	b	9/24/2015	10:55	40.55	0	0.97	Well evacuation complete		0.3
			11:00	40.71	0.08	0.81			
			11:05	41.10	0.17	0.42			
			11:10	41.10	0.25	0.42			
			11:15	41.08	0.33	0.44			
			11:20	41.08	0.42	0.44			
			11:25	41.05	0.5	0.47	3rd well evacuation from 11:40 to 11:50		

Recovery								Volume Removed Fluids	
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Fluid	Measured
13	c	9/24/2015	11:55	41.30	0	0.22	Well evacuation complete		0.4
			12:00	41.27	0.08	0.25			
			12:05	41.27	0.17	0.25			
			12:10	41.25	0.25	0.27			
			12:15	41.25	0.33	0.27			
			12:20	41.25	0.42	0.27			
			12:25	41.25	0.5	0.27	4th well evacuation from 12:30 to 12:40		
	d	9/24/2015	12:45	41.35	0	0.17	Well evacuation complete		0.1
			12:50	41.25	0.08	0.27			
			12:55	41.25	0.17	0.27			
			13:00	41.25	0.25	0.27			
			13:05	41.25	0.33	0.27			
			13:10	41.24	0.42	0.28			
			13:15	41.24	0.5	0.28	5th well evacuation from 13:20 to 13:30		
	e	9/24/2015	13:35	41.35	0	0.17	Well evacuation complete		0.2
			13:40	41.37	0.08	0.15			
			13:45	41.33	0.17	0.19			
			13:50	41.33	0.25	0.19			
			13:55	41.33	0.33	0.19			
			14:00	41.32	0.42	0.2			
			14:05	41.32	0.5	0.2	6th well evacuation from 14:10 to 14:15		
	f	9/24/2015	14:20	41.35	0	0.17	Well evacuation complete	100	0.0
			14:25	41.35	0.08	0.17			
			14:30	41.33	0.17	0.19			
			14:35	41.32	0.25	0.2			
			14:40	41.32	0.33	0.2			
			14:45	41.32	0.42	0.2			
			14:50	41.32	0.5	0.2			
14	a	12/1/2015	9:00	40.85	0	0.67	1st well evacuation completed from 8:40 to 8:55		0.0
			9:05	40.87	0.08	0.65			
			9:10	40.89	0.17	0.63			
			9:15	40.91	0.25	0.61			
			9:20	40.92	0.33	0.6			
			9:25	40.92	0.42	0.6			
			9:30	40.92	0.5	0.6	2nd well evacuation from 9:35 to 9:50		
	b	12/1/2015	9:55	41.09	0	0.43	Well evacuation complete		0.2
			10:00	41.08	0.08	0.44			
			10:05	41.08	0.17	0.44			
			10:10	41.07	0.25	0.45			
			10:15	41.05	0.33	0.47			
			10:20	41.05	0.42	0.47			
			10:25	41.04	0.5	0.48	3rd well evacuation from 10:30 to 10:45		
	c	12/1/2015	10:50	41.47	0	0.05	Well evacuation complete		0.6
			10:55	41.47	0.08	0.05			
			11:00	41.47	0.17	0.05			
			11:05	41.47	0.25	0.05			
			11:10	41.47	0.33	0.05			
			11:15	41.47	0.42	0.05			
			11:20	41.47	0.5	0.05	4th well evacuation from 11:25 to 11:40		
	d	12/1/2015	11:45	ND	0	0	Well evacuation complete		0.1
			11:50	ND	0.08	0			
			11:55	ND	0.17	0			
			12:00	ND	0.25	0			
			12:05	ND	0.33	0			
			12:10	ND	0.42	0			
			12:15	ND	0.5	0	5th well evacuation from 12:20 to 12:35		

TABLE 2
RW-D DNAPL ACCUMULATION DATA

OPERABLE UNIT 3
FORMER OSSINING WORKS MANUFACTURE GAS PLANT
OSSINING, NEW YORK

Recovery									Volume Removed Fluids	
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments		Total Fluid	Measured Product
14	e	12/1/2015	12:35	ND	0	0	Well evacuation complete			0.0
			12:40	ND	0.08	0				
			12:45	ND	0.17	0				
			12:50	41.47	0.25	0.05				
			12:55	41.47	0.33	0.05				
			13:00	41.47	0.42	0.05				
			13:05	41.47	0.5	0.05	6th well evacuation from 13:10 to 13:25			
	f	12/1/2015	13:25	ND	0	0	Well evacuation complete			0.1
			13:30	ND	0.08	0				
			13:35	ND	0.17	0				
			13:40	41.47	0.25	0.05				
			13:45	41.47	0.33	0.05				
			13:50	41.47	0.42	0.05				
			13:55	41.47	0.5	0.05	7th well evacuation from 14:00 to 14:15			
	g	12/1/2015	14:15	ND	0	0	Well evacuation complete		110	0.1
			14:20	ND	0.08	0				
			14:25	ND	0.17	0				
			14:30	ND	0.25	0				
			14:35	ND	0.33	0				
			14:40	41.47	0.42	0.05				
			14:45	41.47	0.5	0.05				
15	a	3/22/2016	10:55	ND	0	0	1st well evacuation completed from 10:40 to 10:55			0.0
			11:00	ND	0.08	0				
			11:05	ND	0.17	0				
			11:10	ND	0.25	0	* IP appeared to not be responding. Well had run dry following the 1st evacuation.			
			11:15	ND	0.33	0				
			11:20	ND	0.42	0				
			11:25	ND	0.5	0	2nd well evacuation from 13:10 until 13:25			
	b	3/22/2016	13:25	ND	0	0	Well evacuation complete		60	0.0
			13:30	ND	0.08	0				
			13:35	ND	0.17	0				
			13:40	ND	0.25	0	* IP appeared to not be responding. Well had run dry following the 1st evacuation.			
			13:45	ND	0.33	0				
			13:50	ND	0.42	0				
			13:55	ND	0.5	0				
16	a	6/30/2016	9:15	41.73**	0	0	1st well evacuation completed from 9:00 to 9:15			0.8
			9:20	ND	0.08	0				
			9:25	ND	0.17	0				
			9:30	ND	0.25	0				
			9:35	ND	0.33	0				
			9:40	ND	0.42	0				
			9:45	ND	0.5	0	2nd well evacuation from 9:45 until 10:00			
	b	6/30/2016	10:00	ND	0	0	Well evacuation complete		45	0.0
			10:05	ND	0.08	0				
			10:10	ND	0.17	0				
			10:15	ND	0.25	0				
			10:20	ND	0.33	0				
			10:25	ND	0.42	0				
			10:30	ND	0.5	0	minute gauging.			
	a	9/29/2016	9:45	41.25	0	0.22	1st well evacuation completed from 9:30 to 9:45			0.1
			9:50	41.25	0.08	0.22				
			9:55	41.20	0.17	0.27				
			10:00	41.20	0.25	0.27				
			10:05	41.20	0.33	0.27				
			10:10	41.20	0.42	0.27	2nd well evacuation from 10:20 until 10:35			
	b	9/29/2016	10:35	41.20	0	0.27	Well evacuation complete			0.0
			10:40	41.20	0.08	0.27				
			10:45	41.20	0.17	0.27				
			10:50	41.20	0.25	0.27				
			10:55	41.20	0.33	0.27				
			11:00	41.20	0.42	0.27				
			11:05	41.20	0.5	0.27	3rd well evacuation from 11:10 until 11:25			

Recovery									
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Liquid	Measured Product
17	c	9/29/2016	11:25	41.23	0	0.24	Well evacuation complete		0.04
			11:30	41.23	0.08	0.24			
			11:35	41.23	0.17	0.24			
			11:40	41.23	0.25	0.24			
			11:50	41.23	0.42	0.24			
			11:55	41.23	0.5	0.24	4th well evacuation from 12:10 until 12:25		
	d	9/29/2016	12:25	41.23	0	0.24	Well evacuation complete		0.0
			12:30	41.23	0.08	0.24			
			12:35	41.23	0.17	0.24			
			12:40	41.23	0.25	0.24			
			12:45	41.23	0.33	0.24			
			12:50	41.23	0.42	0.24			
			12:55	41.23	0.5	0.24	4th well evacuation from 13:15 until 13:30		
	e	9/29/2016	13:30	41.23	0	0.24	Well evacuation complete	45	0.0
			13:35	41.23	0.08	0.24			
			13:40	41.23	0.17	0.24			
			13:45	41.23	0.25	0.24			
			13:50	41.23	0.33	0.24			
			13:55	41.23	0.42	0.24			
			14:00	41.23	0.5	0.24			
18	a	3/29/2017	9:30	ND	0	0.58	1st well evacuation completed from 9:20 to 9:30		0.9
			9:35	ND	0.08	0			
			9:40	ND	0.17	0			
			9:45	ND	0.25	0			
			9:50	41.51*	0.33	0			
			9:55	ND	0.42	0			
			10:00	ND	0.5	0	2nd well evacuation from 10:00 until 10:10		
	b	3/29/2017	10:10	ND	0	0	Well evacuation complete		0.0
			10:15	ND	0.08	0			
			10:20	ND	0.17	0			
			10:25	ND	0.25	0			
			10:30	ND	0.33	0			
			10:35	ND	0.42	0			
			10:40	ND	0.5	0	3rd well evacuation from 10:40 until 10:50		
	c	3/29/2017	10:50	ND	0	0	Well evacuation complete	84	0.00
			10:55	ND	0.08	0			
			11:00	ND	0.17	0			
			11:05	ND	0.25	0			
			11:10	ND	0.33	0			
			11:15	ND	0.42	0			
			11:20	ND	0.5	0			
			11:30	ND	0.67	0			
			11:40	ND	0.83	0			
			11:50	ND	1	0			
			12:00	ND	1.17	0			
	a	6/22/2017	10:25	41.40	0	0	1st well evacuation completed from 10:10 to 10:25		0.0
			10:30	41.40	0.08	0			
			10:35	41.40	0.17	0			
			10:40	41.40	0.25	0			
			10:45	41.40	0.33	0			
			10:50	41.40	0.42	0			
			10:55	41.40	0.5	0	2nd well evacuation from 11:00 until 11:15		

TABLE 2
RW-D DNAPL ACCUMULATION DATA

OPERABLE UNIT 3
FORMER OSSINING WORKS MANUFACTURE GAS PLANT
OSSINING, NEW YORK

Recovery								Volume Removed Fluids	
Event	Cycle	Date	Time	Depth to Product Feet	Elapsed Time Hours	Product Thickness Feet	Comments	Total Fluid	Measured Product
19	b	6/22/2017	11:15	41.40	0	0	Well evacuation complete		0.0
			11:20	41.40	0.08	0			
			11:25	41.40	0.17	0			
			11:30	41.40	0.25	0			
			11:35	41.40	0.33	0			
			11:40	41.40	0.42	0			
			11:45	41.40	0.5	0	3rd well evacuation from 11:50 until 12:05		
	c	6/22/2017	12:05	41.40	0	0	Well evacuation complete		0.00
			12:10	41.40	0.08	0			
			12:15	41.40	0.17	0			
			12:20	41.40	0.25	0			
			12:25	41.40	0.33	0			
			12:30	41.40	0.42	0			
			12:35	41.40	0.5	0	4th well evacuation from 12:40 until 12:55		
	d	6/22/2017	12:55	41.40	0	0	Well evacuation complete	50	0.0
			13:00	41.40	0.08	0			
			13:05	41.40	0.17	0			
			13:10	41.40	0.25	0			
			13:15	41.40	0.33	0			
			13:20	41.40	0.42	0			
			13:25	41.40	0.5	0			
20	a	10/5/2017	9:45	ND	0	0	1st well evacuation completed from 9:30 to 9:45		0.0
			9:50	ND	0.08	0			
			9:55	ND	0.17	0			
			10:00	ND	0.25	0			
			10:05	ND	0.33	0			
			10:10	ND	0.42	0			
			10:15	ND	0.5	0	2nd well evacuation from 10:15 until 10:30		
	b	10/5/2017	10:30	41.40	0	0	Well evacuation complete		0.0
			10:35	41.40	0.08	0			
			10:40	41.40	0.17	0			
			10:45	41.40	0.25	0			
			10:50	41.40	0.33	0			
			10:55	41.40	0.42	0			
			11:00	41.40	0.5	0	3rd well evacuation from 11:00 until 11:15		
	c	10/5/2017	11:15	41.40	0	0	Well evacuation complete	202	0.00
			11:20	41.40	0.08	0			
			11:25	41.40	0.17	0			
			11:30	41.40	0.25	0			
			11:35	41.40	0.33	0			
			11:40	41.40	0.42	0			
			11:45	41.40	0.5	0			
			11:55	41.40	0.67	0			
			12:05	41.40	0.83	0			
			12:15	41.40	1	0			
							Total Recovered to Date	299	12.0

Notes:
1. DNAPL = dense non-aqueous phase liquid.
2. gals = gallons.
3. * = indicates volume of DNAPL removed could not be calculated for the time interval based on field measurements.
4. ** = anomalous interface probe reading. The reading was assumed to be a from DNAPL adhered to the sidewall.

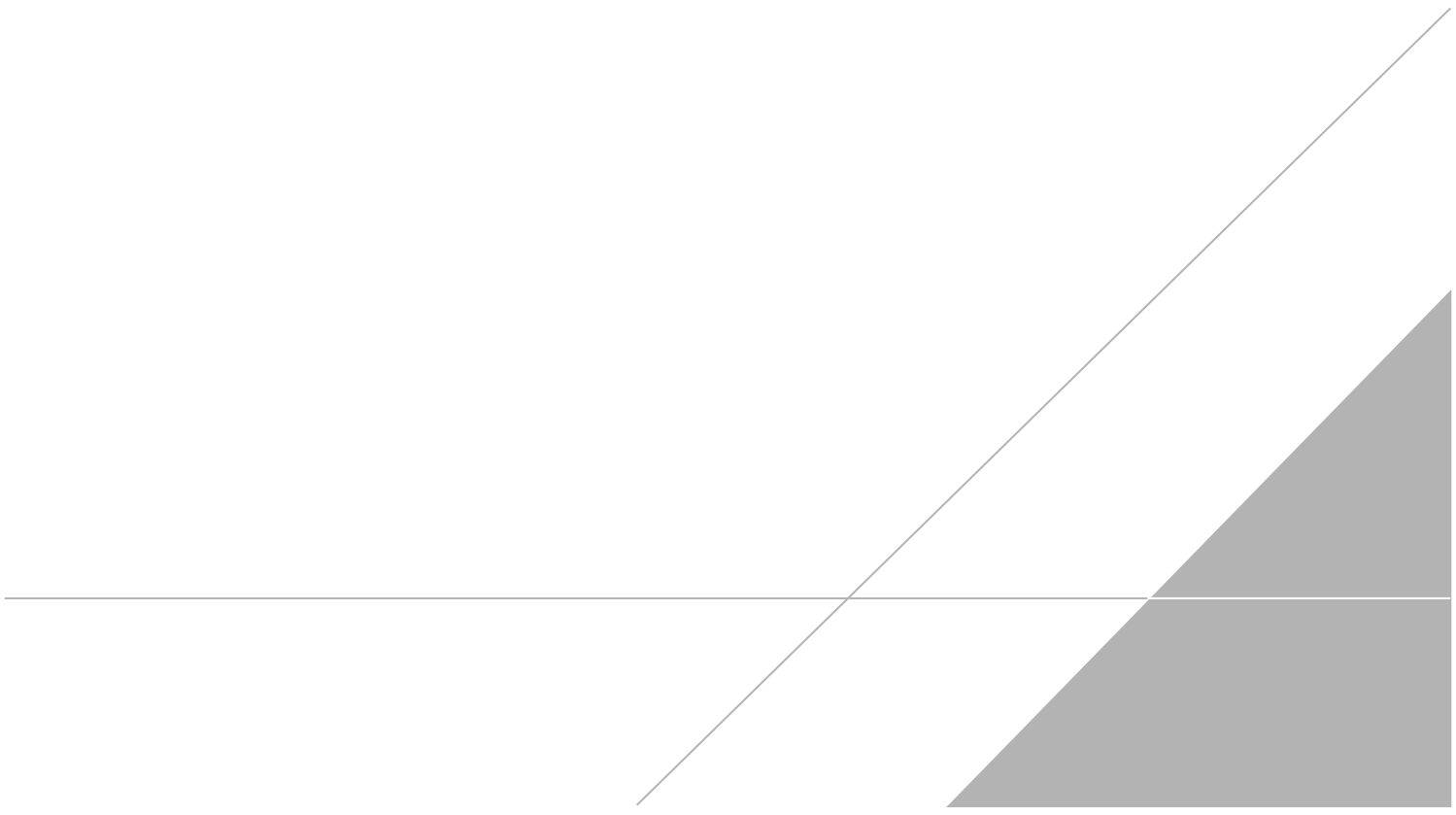
TABLE 3
RW-D DNAPL RECOVERY DATA

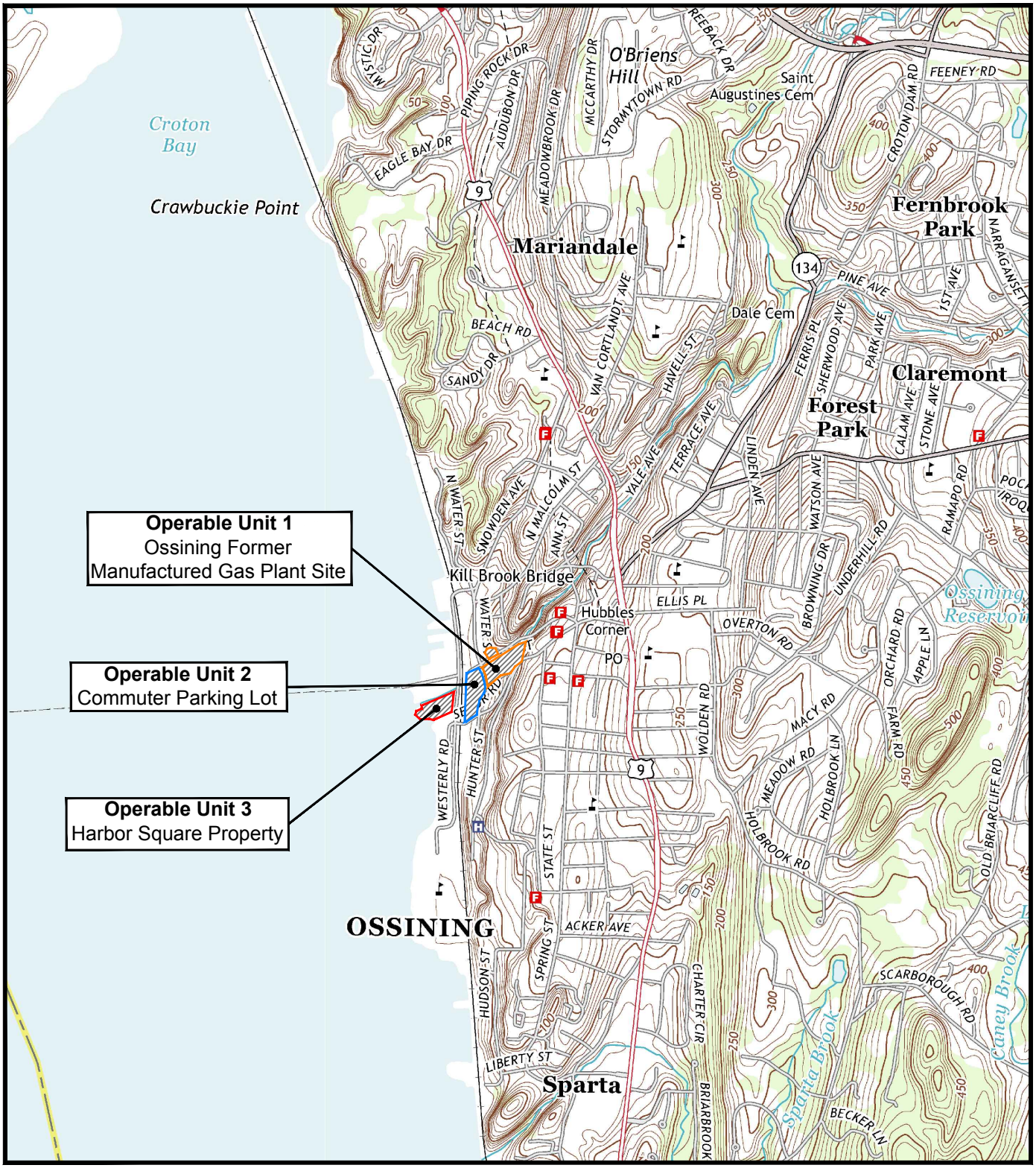
OPERABLE UNIT 3
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

□□te	□ot□l Fl□id □eco□er□ □□□l□	Me□s□red □□□□□ □eco□ered □□□l□	□ime □ince □□st E□ent □d□□s□	□□er□□e □□il□ □eco□er□ □□□l per d□□□	□□□□□ □ercent□□e o□ □ot□l Fl□id □eco□ered
7/25/2012	216	9.2	- -	- -	4.259%
11/15/2012	232	12.3	113	0.109	5.302%
2/28/2013	508	14.8	105	0.141	2.913%
5/31/2013	382	9.7	92	0.105	2.539%
8/30/2013	170	8.3	91	0.091	4.882%
11/26/2013	190	9.9	88	0.113	5.211%
3/28/2014	382	6.3	122	0.052	1.649%
6/6/2014	304	4.8	70	0.069	1.579%
10/16/2014	304	28.8	132	0.218	9.474%
12/18/2014	95	4.7	63	0.075	4.947%
3/19/2015	180	2.3	91	0.025	1.278%
6/26/2015	140	8	99	0.081	5.714%
9/24/2015	309	1	90	0.011	0.324%
12/1/2015	110	1.1	68	0.016	1.000%
3/22/2016	60	0*	112	0*	0%*
6/30/2016	45	0.8	100	0.008	1.778%
9/29/2016	45	0.1	91	0.000	0.089%
3/29/2017	84	0.9	181	0.005	1.071%
6/22/2017	50	0	85	0	0%
10/5/2017	202	0	105	0	0%
□ot□l	**□□00□**	**12□□0□**	**- -**	**- -**	**□□0□0□**

□otes:
1. DNAPL = dense non-aqueous phase liquid.
2. gal = gallons.
3. * = indicates volume of DNAPL removed could not be calculated for the time interval based on field measurements.

FI□ □□E□





REFERENCE: BASE MAP USGS 7.5 MIN. QUAD., OSSINING, NY & HAVERSTRAW, NY, 2013.

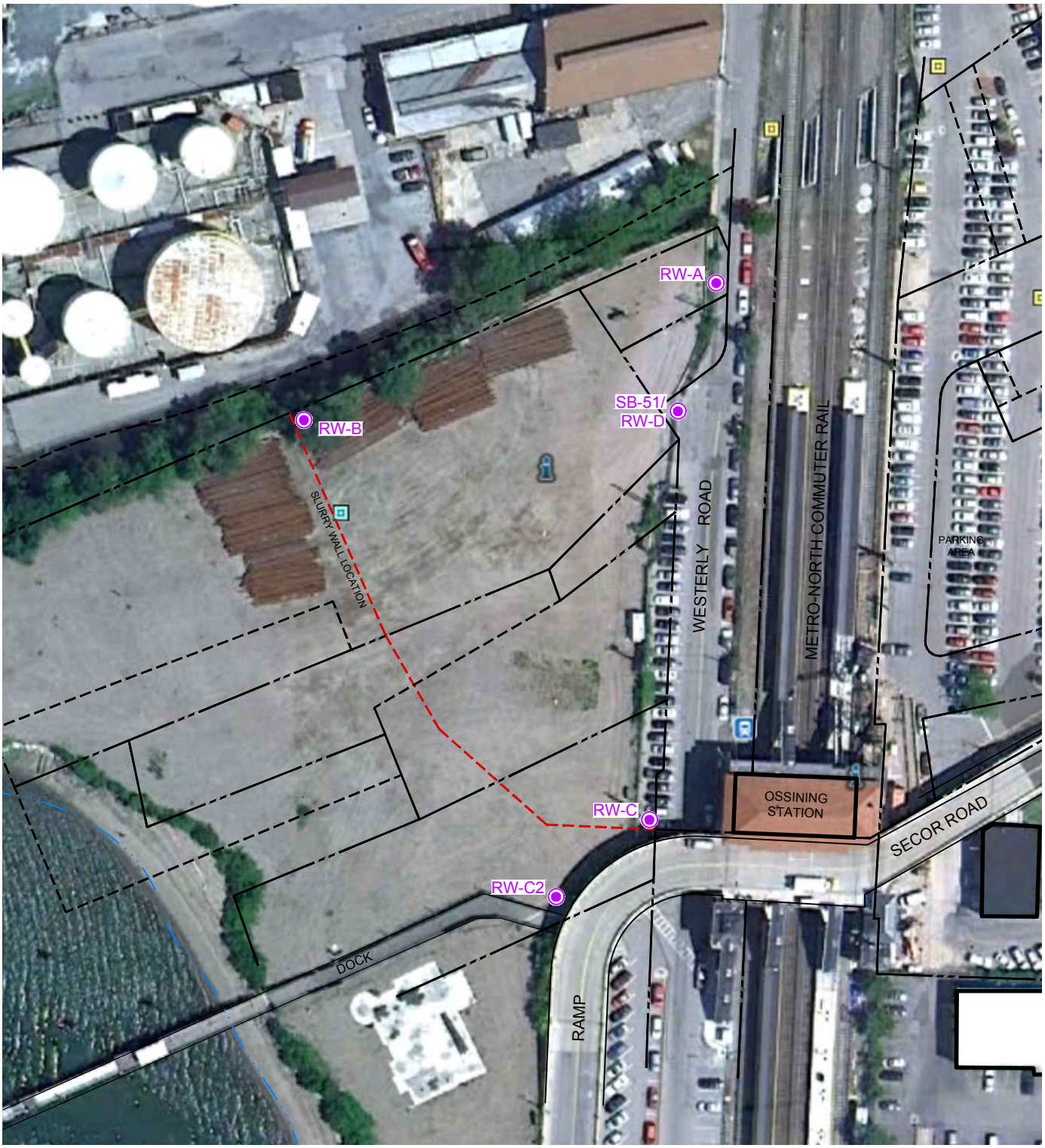
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER OSSINING WORKS MANUFACTURED GAS PLANT SITE
OSSINING, NEW YORK
HARBOR SQUARE DNAPL RECOVERY

2018 ANNUAL MONITORING REPORT

SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1



0 100' 200'

GRAPHIC SCALE

LEGEND:

RW-C2 ◉ RECOVERY WELL

NOTE:

IMAGE FROM GOOGLE EARTH.

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER OSSINING WORKS MANUFACTURED GAS PLANT SITE
OSSINING, NEW YORK
HARBOR SQUARE DNAPL RECOVERY

2018 ANNUAL MONITORING REPORT

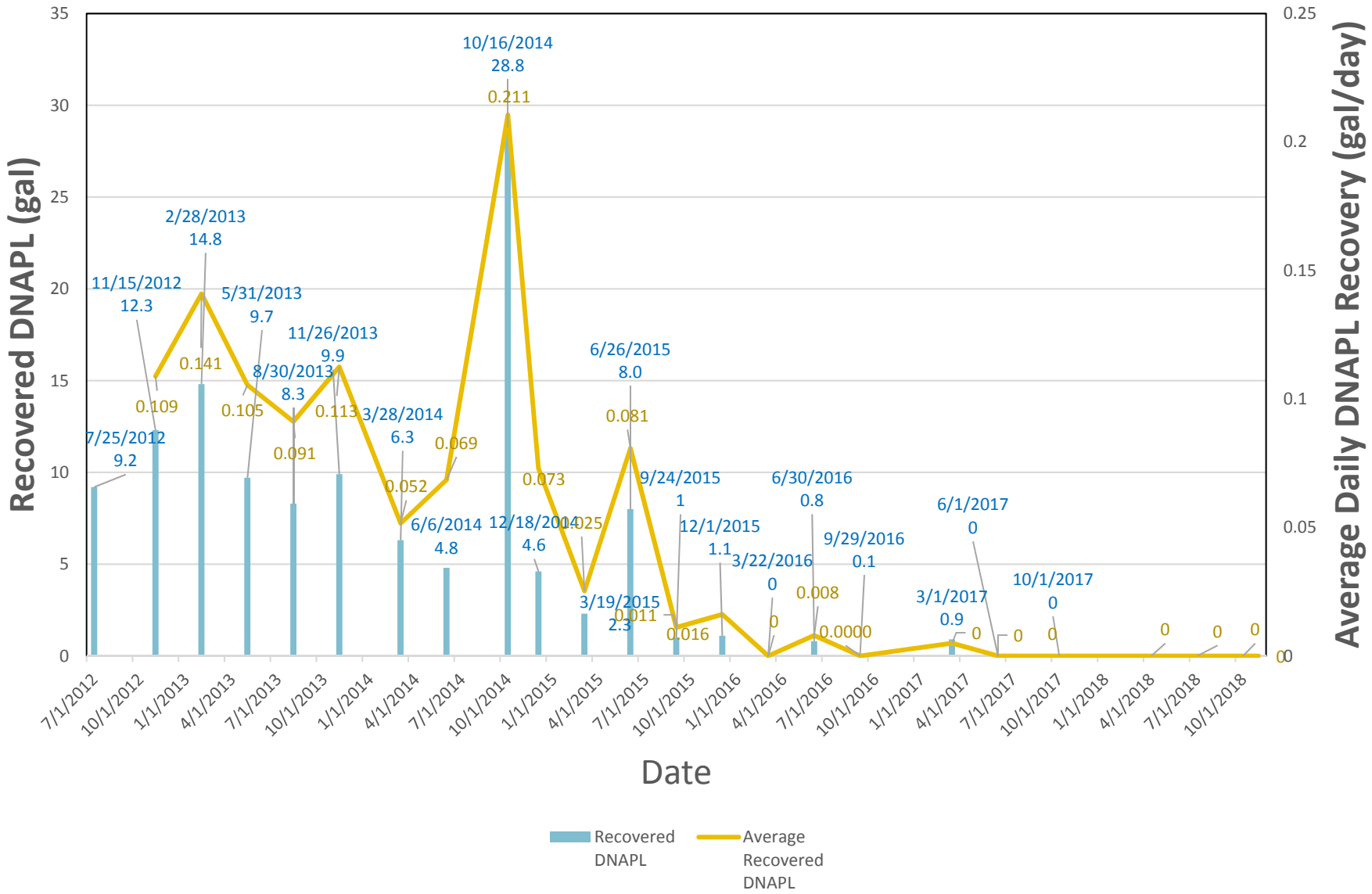
EXISTING RECOVERY WELL MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2

C:\Users\bdeclerco\OneDrive - ARCADIS\BIM 360 Docs\CON EDISON\Ossining DNAPL Recovery\2018\B0043024.0030\01-DWG\2017 AMR-Fig 2-Existing Recovery Well Map.dwg LAYOUT: 2 SAVED: 3/21/2018 1:09 PM ACADVER: 21.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB
PLOTTED: 3/21/2018 1:09 PM BY: DECLERCQ, BRIAN
XREFS: IMAGES: PROJECTNAME: ----
aerial.bmp
Fig 2 Well Location Map Reverse.tif
Ossining Block 4 to 8 and RR.TIF

Figure 3
Measured DNAPL Recovery by Date for RW-D



□□□□C□ME□□ □

Waste Shipping Documents

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000158535
2. Page 1 of: 1
3. Emergency Response Phone: 212-580-8583
4. Manifest Tracking Number: 018864780 JJK

GENERATOR

5. Generator's Name and Mailing Address: Consolidated Edison of New York Inc
31-01 20th Ave
Building 136 2nd fl
Astoria, NY 11105
Generator's Phone: 718-204-4205

Generator's Site Address (if different than mailing address): Consolidated Edison of New York Inc
3 Westerly Road
Ossining, NY 10562

6. Transporter 1 Company Name: IWT Transport Inc
U.S. EPA ID Number: NJR000628162

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

8. Designated Facility Name and Site Address: Clean Earth of North Jersey
105 Jacobus Ave.
Kearny NJ 07032
Facility's Phone: 9733444004
U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. ~~RQ, NA3082, Hazardous waste, liquid, n.o.s. (Benzene), 9, PG III~~ JJM VS 4/12/18	1	DM	0	P	D018		
	2. Non-RCRA solids, D.O.T. Non-regulated	1	DM	30	P	ID27		
	3.							
	4.							

14. Special Handling Instructions and Additional Information
~~(1) 183080824 - MGP NAPL Impacted water - Haz (2) 183060700 - MGP-Impacted~~ VS 4/12/18 JJM
PPE/Sampling equipment- NH
Truck # 106 NJ AR2761 Order#: 220155 - Note:

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Yelena Yacubovich
Signature:
Month: 4 Day: 12 Year: 18

INT'L

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Justin Hendrix
Signature:
Month: 4 Day: 12 Year: 18

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

DESIGNATED FACILITY

18. Discrepancy

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

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040	H132		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

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

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

230106

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	212-580-8383	018865971 JJK

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of New York Inc
31-01 20th Ave
Building 136 2nd fl
Astoria, NY 11105
Generator's Phone: 718-204-4205

Generator's Site Address (if different than mailing address)
Harbor Square
Consolidated Edison of New York Inc
3 Westerly Road
Ossining, NY 10562

6. Transporter 1 Company Name
IWT Transport Inc
U.S. EPA ID Number
NJR986628162

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

8. Designated Facility Name and Site Address
Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032
Facility's Phone: 9739444004
U.S. EPA ID Number
NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3082, Hazardous waste, liquid, n.o.s. (Benzene), 9, PG-III Void &	1	DM		P	D018
	2. Non-RCRA solids, D.O.T. Non-regulated	1 2 4	DM	10	P	ID27
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) 183080624 - MGP NAPL impacted water - Haz (2) 183080700 - MGP-impacted PPE/Sampling equipment- NH
Order#: 230106 - Note:

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Yelena Skorobogatov
Signature:
Month: 7 Day: 6 Year: 18

INT'L

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Chris Cfll.
Signature:
Month: 7 Day: 6 Year: 18

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

DESIGNATED FACILITY

18. Discrepancy

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

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040	H132		

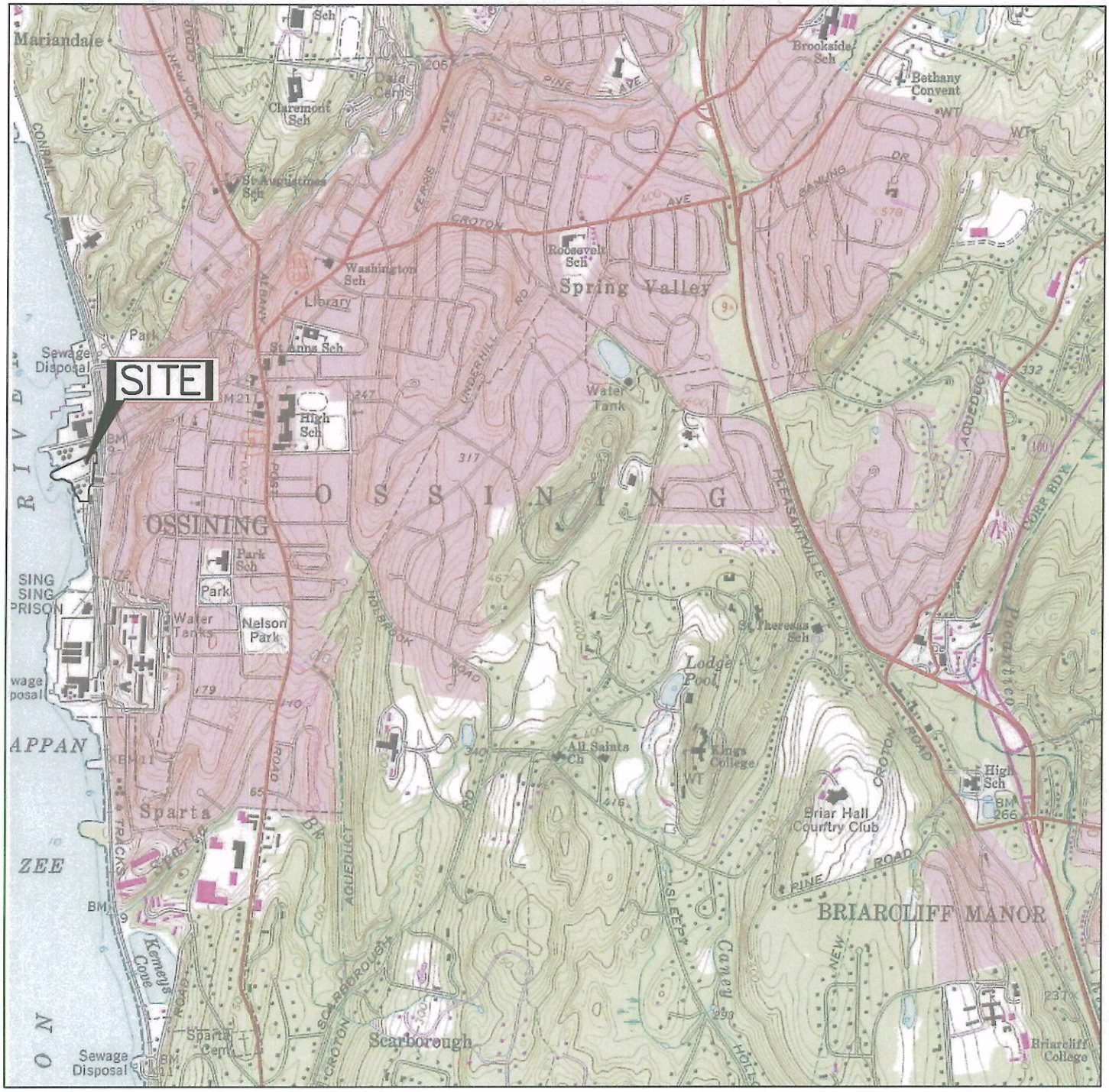
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Bernice Mills
Signature: Bernice Mills
Month: 7 Day: 6 Year: 18

DESIGNATED FACILITY TO GENERATOR

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

Attachment H
Harbor Square Site Engineering Control Figures



REFERENCE:

INFORMATION TAKEN FROM OSSINING, N.Y. QUADRANGLE, 1967
PHOTOREVISED 1979

FIGURE 1

ONE HARBOR SQUARE
VILLAGE OF OSSINING
WESTCHESTER COUNTY, NY

SITE LOCATION MAP

SESI CONSULTING ENGINEERS, PC
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

DRAWN BY:	YY
CHECKED BY:	RH
SCALE:	1"=2000'±
DATE:	06/2010
JOB NO.:	7173

N:\ACAD\7173\REPORT DWGS\2011-PERIODIC REVIEW\7173 FIG 1 USGS MAP.dwg, Layout1, 6/17/2011 12:08:12 PM, Jenny, 1:1

FORMER MGP HOLDER AREA

FORMER MGP PLANT AREA

HARBOR SQUARE

DANZEISEN PARCEL
SECTION 97.05
BLOCK 1
LOT 10

FLAVOR SCIENCE PARCEL
SECTION 97.06
BLOCK 1
LOT 14

MAUE PARCEL
SECTION 97.05
BLOCK 1
LOT 13

MW-1
MW-2
MW-2A
MW-3
MW-4
MW-4 (SHALLOW)
MW-4A (DEEP)
MW-5
MW-6
MW-6A (SHALLOW)
MW-6B (DEEP)
MW-7
MW-7 (SHALLOW)
MW-7A (DEEP)
MW-8
MW-9
MW-10
MW-12
MW-13
MW-14
MW-A
MW-B
MW-C1
MW-C2

LEGEND

- EXIST. MONITORING WELLS

REV TAX MAP INFO 07/2010

HARBOR SQUARE
SECTION 97.06, BLOCK 1, LOTS 9, 10, 11, 14, & 15
TOWN & VILLAGE OF OSSINING,
COUNTY OF WESTCHESTER, NEW YORK

SITE PLAN

SESI CONSULTING ENGINEERS, PC
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

DESIGNED BY	DATE PREPARED
SP	06/2010
DRAWN BY	SCALE
YY	1" = 120'
CHECKED BY	PROJECT NO.
RF	7173
	FIGURE NUMBER 2
	SHEET

FORMER MGP HOLDER AREA

FORMER MGP PLANT AREA

HARBOR SQUARE

DANZEISEN PARCEL
SECTION 97.06
BLOCK 1
LOT 10

FLAVOR SCIENCE PARCEL
SECTION 97.06
BLOCK 1
LOT 14

MAUE PARCEL
SECTION 97.06
BLOCK 1
LOT 13

MW-1 (SHALLOW)
MW-1A (DEEP)
MW-2 (SHALLOW)
MW-2A (DEEP)
MW-3
MW-4 (SHALLOW)
MW-4A (DEEP)
MW-5
MW-6
MW-6A (SHALLOW)
MW-6B (DEEP)
MW-7 (SHALLOW)
MW-7A (DEEP)
MW-8
MW-9
MW-10
MW-12
MW-13
MW-14
MW-A
MW-B
MW-C1
MW-C2

LEGEND

- EXIST. MONITORING WELLS

REV TAX MAP INFO 07/2010

HARBOR SQUARE
SECTION 97.06, BLOCK 1, LOTS 9, 10, 11, 14, & 15
TOWN & VILLAGE OF OSSINING,
COUNTY OF WESTCHESTER, NEW YORK

GROUNDWATER FLOW CONTOURS
ON 06/22/10

SESI CONSULTING ENGINEERS, PC
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9060

DESIGNED BY: RF	DATE PREPARED: 06/2010
DRAWN BY: YY	SCALE: 1" = 120'
CHECKED BY: RF	PROJECT NO.: 7173
	FIGURE NUMBER: 3
	SHEET

MW-B

MW-7 (SHALLOW)

SECTION 97.06
BLOCK 1
LOT 11

MW-7A (DEEP)

SECTION 97.06
BLOCK 1
LOT 10

SECTION 97.06
BLOCK 1
LOT 9

MW-A

MW-2 (SHALLOW)

MW-2A (DEEP)

SECTION 97.06
BLOCK 1
LOT 14

MW-6B (DEEP)

MW-6A (SHALLOW)

SECTION 97.06
BLOCK 1
LOT 15

MW-4A (DEEP)

MW-4 (SHALLOW)

MW-C1

MW-C2

SALES
CENTER

WESTERLY ROAD

ECOR ROAD

LEGEND

- EXIST MONITORING WELLS
- EXIST DNAPL RECOVERY WELLS
- EXIST SLURRY WALL
- APPROXIMATE DNAPL PLUME

REV TAX MAP INFO 07/2010

HARBOR SQUARE
SECTION 97.06, BLOCK 1, LOTS 9, 10, 11, 14, & 15
TOWN & VILLAGE OF OSSINING,
COUNTY OF WESTCHESTER, NEW YORK

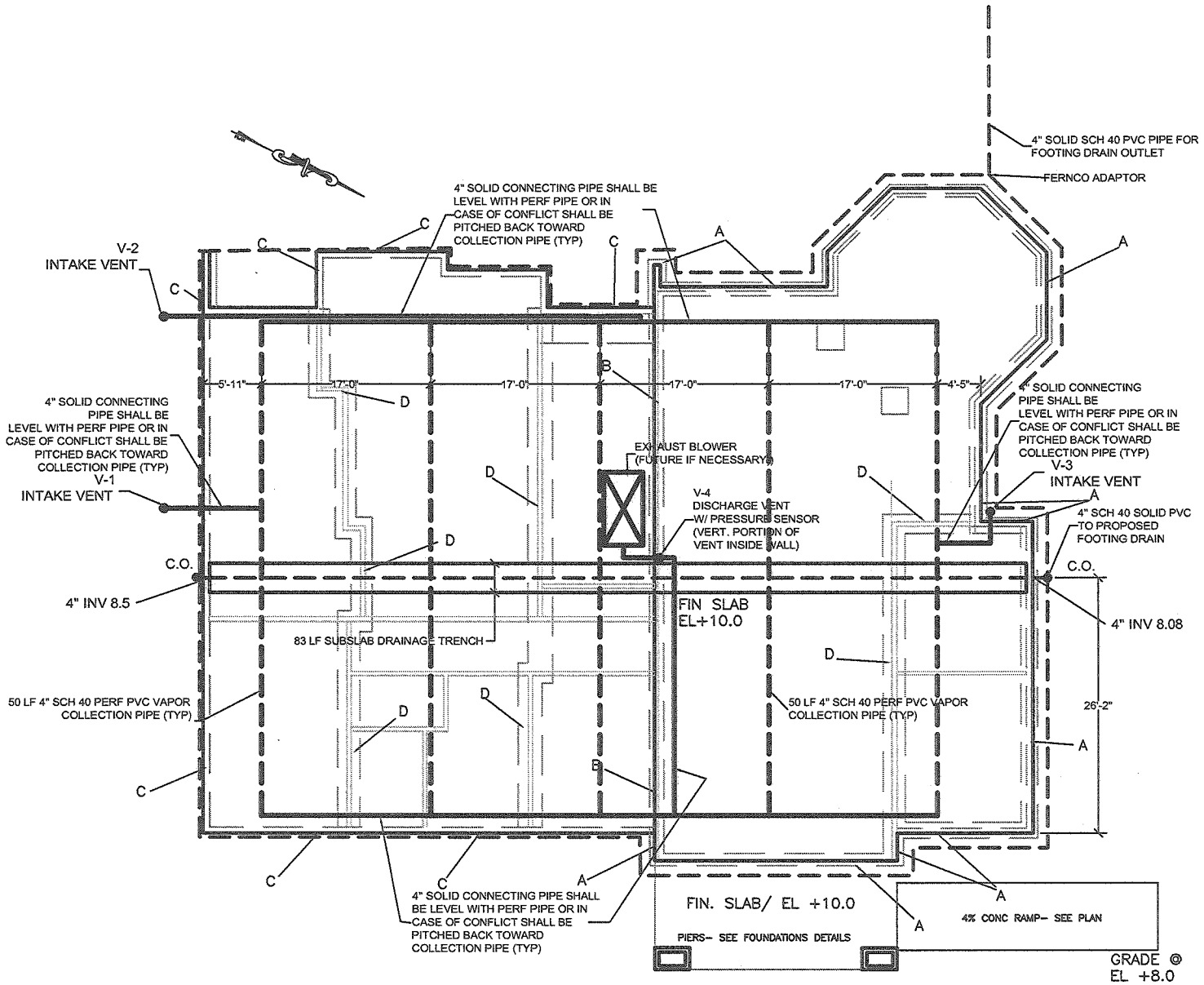
MAP OF ENGINEERING CONTROL TREATMENT SYSTEM (SLURRY WALL AND DNAPL RECOVERY SYSTEM)

SESI CONSULTING ENGINEERS, PC
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

DESIGNED BY	DATE PREPARED
DG	06/2010
DRAWN BY	SCALE
YY	1" = 60'
CHECKED BY	PROJECT NO.
DG	7173

FIGURE NUMBER 4A

SHEET

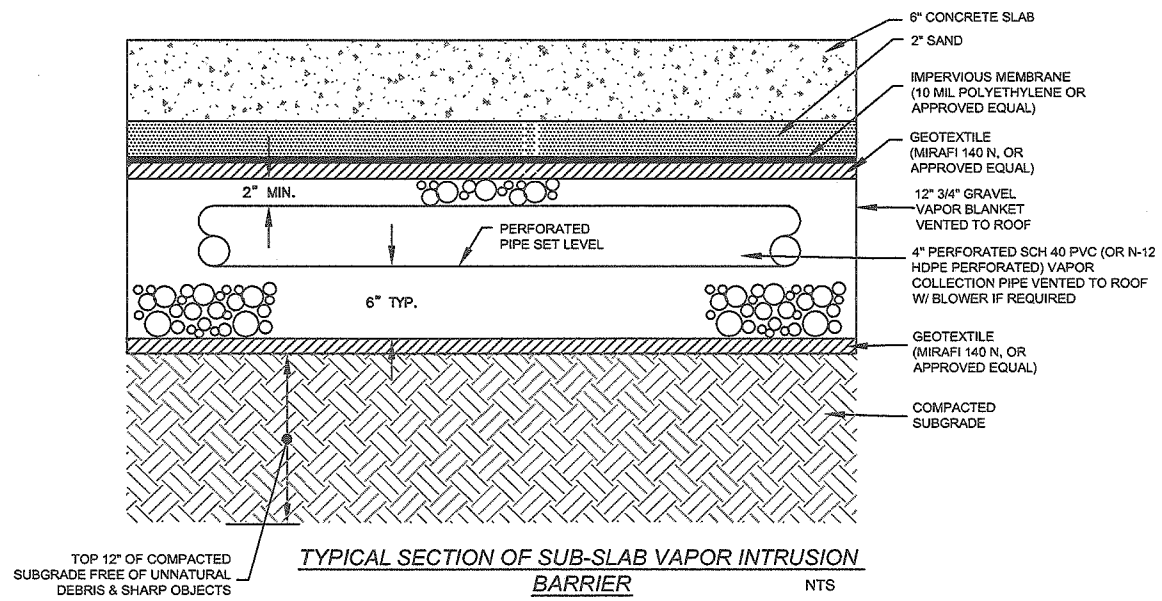


SALES CENTER FOUNDATION PLAN

SCALE: 1" = 16'

LEGEND

- SUBSLAB DRAINAGE TRENCH WITH 4" PERF DRAIN PIPE
- C — CROSS SECTION LOCATIONS
- V-1 — 6"Ø RISER LOCATION & LABEL
- 6" SOLID PVC PIPE
- 4" PERF HDPE VAPOR COLLECTION PIPE



TYPICAL SECTION OF SUB-SLAB VAPOR INTRUSION BARRIER

NTS

SYSTEM DESIGN BASIS AND NOTES

Depending upon the types and concentration of vapors measured below the slab, the sub-slab vapor extraction system is designed to operate (after minor modifications and/or adjustments) in one of the following modes:

1. Passive Operation, with the sub-slab piping and gravel system vented only to the atmosphere above the roofline;
2. Continuous Active Draft Operation, induced draft operation using a blower(s) at one (or more) vent pipes, with the discharged gas directed to the atmosphere with no treatment; and,
3. Timed Active Operation (i.e., a number of sub-slab air purges per day, to be determined based on field measurements) controlled by the timed operation of blowers.

At minimum, the sub-slab vapor extraction system shall maintain a minimum pressure (negative) under the concrete floor slab of – 0.2" of water column for options 1, 2 and 3 above. Option 1 has to be determined in the field if passive operation is feasible.

The exhaust fan (if necessary) shall be suitable for exterior installation and of non-explosive construction for handling gas mixtures containing vapors originating from gas lines and fuel oil. The fan shall be capable of providing a minimum exhaust rate of 50 cfm with 3-inches water column. The fan shall be provided with a damper to allow adjustment of the flow rate of air.

A sub-slab pressure detector system shall be provided to continuously detect the sub-slab pressure. The detector system shall be set to provide a visual and audible alarm upon the sub-slab pressure falling below 0.2 inches of water column. The detector system shall be hard-wired with battery operated power backup to provide a minimum of 24-hours of continued operation. The alarm panel shall be placed in a visible location (such as the mechanical room) that is frequently visited by maintenance personnel.

NOTE:
AS OF MAY 2010 ONLY THE CONCRETE SLAB ASSOCIATED WITH ALL SALES CENTER HAS BEEN CONSTRUCTED (SUPER STRUCTURE NOT COMPLETED).

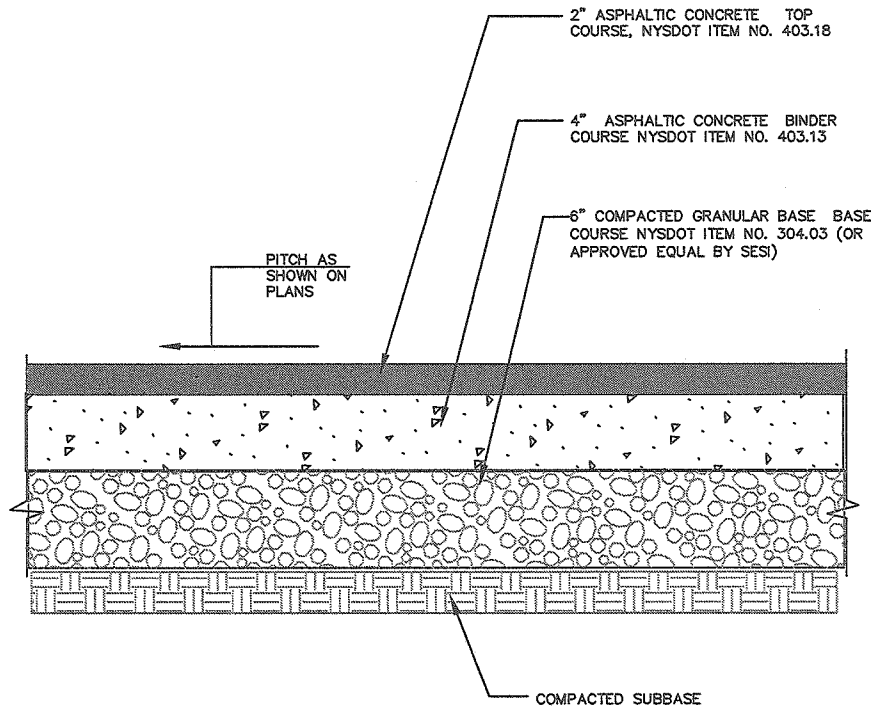
REV TAX MAP INFO 07/2010

HARBOR SQUARE
SECTION 97.06, BLOCK 1, LOTS 9, 10, 11, 14, & 15
TOWN & VILLAGE OF OSSINING,
COUNTY OF WESTCHESTER, NEW YORK

MAP OF ENGINEERING CONTROL TREATMENT SYSTEM - SUBSLAB VENTING/DEPRESSURIZATION SYSTEM

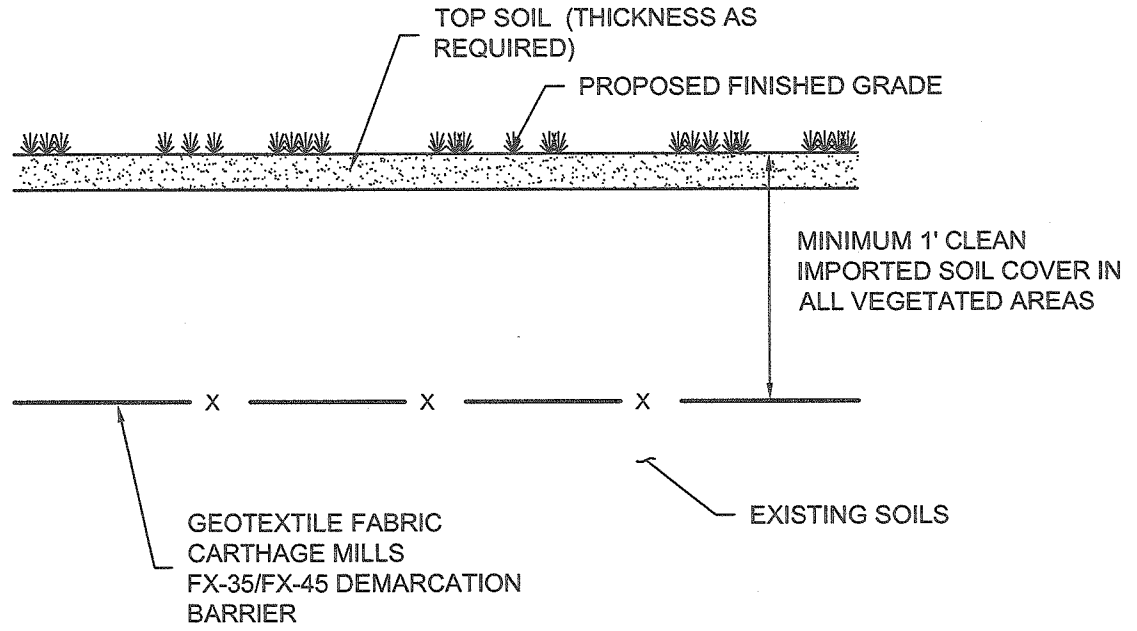
SESI CONSULTING ENGINEERS, PC
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE, PINE BROOK, N.J. 07058 PH: 973-808-9050

DESIGNED BY MBA	DATE PREPARED 06/2010
DRAWN BY YY	SCALE AS NOTED
CHECKED BY MBA	PROJECT NO. 7173
	FIGURE NUMBER 4B
	SHEET



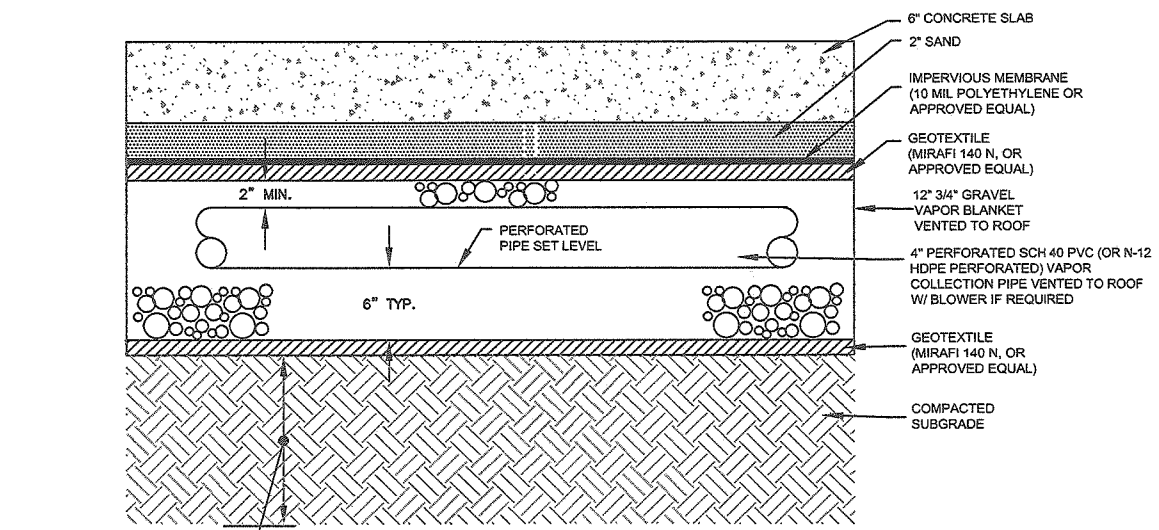
ONSITE ASPHALT PAVEMENT SECTION

NOT TO SCALE



VEGETATED AREA SECTION

SCALE: N.T.S



TYPICAL SECTION OF SUB-SLAB VAPOR INTRUSION BARRIER NTS

SLAB SECTION - SALES CENTER

SCALE: N.T.S

REV TAX MAP INFO 07/2010

HARBOR SQUARE
SECTION 97.06, BLOCK 1, LOTS 9, 10, 11, 14, & 15
TOWN & VILLAGE OF OSSINING,
COUNTY OF WESTCHESTER, NEW YORK

TYPICAL COVER DETAIL FOR ALL COVER TYPES

SESI CONSULTING ENGINEERS, PC
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

DESIGNED BY	DATE PREPARED
RF	06/2010
DRAWN BY	SCALE
YY	N.T.S.
CHECKED BY	PROJECT NO.
RF	7173
	FIGURE NUMBER 5
	SHEET

HARBOR SQUARE

SECTION 97.06
BLOCK 1
LOT 11

DANZEISEN PARCEL
SECTION 97.06
BLOCK 1
LOT 10

SECTION 97.06
BLOCK 1
LOT 9

CONCRETE PAD
(FOR TRAILER)

ASPHALT

FLAVOR SCIENCE PARCEL
SECTION 97.06
BLOCK 1
LOT 14

APPROX.
LOCATION OF
EXIST. WALKWAY

MAUE PARCEL
SECTION 97.06
BLOCK 1
LOT 15

ASPHALT WALK

CONCRETE

APPROX.
LOCATION OF
ASPHALT
PAVEMENT

ASPHALT
PAVEMENT

SECOR ROAD

PERRY STREET

MW-C

LEGEND

- 6" ASPHALT WALKWAY (FERRY WALKWAY)
- 6" CONCRETE SLAB ON GRADE
- CLEAN SOIL COVER

REV TAX MAP INFO 07/2010

HARBOR SQUARE
SECTION 97.06, BLOCK 1, LOTS 9, 10, 11, 14, & 15
TOWN & VILLAGE OF OSSINING,
COUNTY OF WESTCHESTER, NEW YORK

SITE WIDE COVER SYSTEM PLAN
(LOCATION OF DIFFERENT COVER TYPES)

SESI CONSULTING ENGINEERS, PC
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE, PINE BROOK, N.J. 07058 PH: 973-808-9050

DESIGNED BY	DATE PREPARED
RF	06/2010
DRAWN BY	SCALE
YY	1" = 60'
CHECKED BY	PROJECT NO.
RF	7173
	FIGURE NUMBER
	6
	SHEET

Attachment I
Environmental Easement Documents

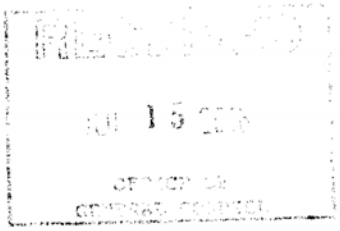
Harbor Square
C360091
M. Hubicki
R3

Knauf Shaw LLP
ATTORNEYS AT LAW

July 13, 2016

VIA FED EX

Brad Burns, Esq.
New York State Department of Environmental Conservation
Office of General Counsel
625 Broadway, 14th floor
Albany, NY 12233



Re: Notices to Municipalities
The Harbor Square Site
Site No. C360091
Harbor Square Crossings, LLC
3 Westerly Road, Ossining, New York

Dear Brad,

Enclosed please find the recorded Environmental Easement and Termination for the aforementioned Site. Also included are the Notices which have been sent to the municipalities, and my Affirmation of Mailing.

Thank you and do not hesitate to contact me if you have any questions.

Sincerely,

KNAUF SHAW LLP

Linda Rshaw

LINDA R. SHAW

The Office of the Westchester County Clerk. This page is part of the instrument; the County Clerk will rely on the information provided on this page for purposes of indexing this instrument. To the best of submitter's knowledge, the information contained on this Recording and Endorsement Cover Page is consistent with the information contained in the attached document

561723037EAS001Y

Westchester County Recording & Endorsement Page

Submitter Information

Name:	benchmark title	Phone:	914-250-2400
Address 1:	222 Bloomindale Road	Fax:	
Address 2:		Email:	lkeane@benchmarkta.com
City/State/Zip:	White Plains NY 10605	Reference for Submitter:	BRS EASEMENT CORRECTION

Document Details

Control Number: **561723037** Document Type: **Easement (EAS)**

Package ID: 20160620000180001001 Document Page Count: **15** Total Page Count: **16**

Parties

☐ Additional Parties on Continuation page

1st PARTY		2nd PARTY	
1: HARBOR SQUARE CROSSINGS LLC	- Other	1: NEW YORK STATE DEPT OF ENVIRONMENTAL CONSERV	- Other
2:		2:	

Property

☐ Additional Properties on Continuation page

Street Address: **3 WESTERLY RD** Tax Designation: 97.06-1-9.1

City/Town: OSSINING TOWN Village:

Cross- References

☐ Additional Cross-Refs on Continuation page

1: 2: 3: 4:

Supporting Documents

1: TP-584

Recording Fees

Statutory Recording Fee:	$40.00
Page Fee:	$80.00
Cross-Reference Fee:	$0.00
Mortgage Affidavit Filing Fee:	$0.00
RP-5217 Filing Fee:	$0.00
TP-584 Filing Fee:	$5.00
Total Recording Fees Paid:	**$125.00**

Transfer Taxes

Consideration:	$0.00
Transfer Tax:	$0.00
Mansion Tax:	$0.00
Transfer Tax Number:	14315

Mortgage Taxes

Document Date:

Mortgage Amount:

Basic:	$0.00
Westchester:	$0.00
Additional:	$0.00
MTA:	$0.00
Special:	$0.00
Yonkers:	$0.00
Total Mortgage Tax:	**$0.00**

Dwelling Type: Exempt: ☐

Serial #:

RECORDED IN THE OFFICE OF THE WESTCHESTER COUNTY CLERK

Recorded: 06/20/2016 at 01:26 PM

Control Number: **561723037**

Witness my hand and official seal

Timothy C.Idoni
Westchester County Clerk

Record and Return To

☐ Pick-up at County Clerk's office

BENCHMARK TITLE AGENCY
222 BLOOMINGDALE RD
SUITE 102
WHITE PLAINS, NY 10605

BKS 12035575

County: Westchester Site No: C360091 Order on Consent Index : A3-0566-1006

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 25th day of May, 2016, between Owner(s) Harbor Square Crossings, LLC, having an office at 100 Summit Lake Drive, Suite 235, Valhalla, New York 10595, County of Westchester, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 3 Westerly Road in the Village and Town of Ossining, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel number: Section 97.06 Block 1 Lot 9.1, being the same as the property conveyed to Grantor by deed dated April 10, 2014 and recorded in the Westchester County Clerk's Office at Control No. 540993596. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 3.8662 +/- acres, and is hereinafter more fully described in the Land Title Survey dated August 24, 2015 and last revised January 28, 2016 prepared by Contractors' Line & Grade South, LLC, which will be attached to the Site Management Plan. The Controlled Property descriptions are set forth in and attached hereto as Schedules A through C; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is

extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Order on Consent Index Number: A3-0566-1006, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv) except that portion of the Controlled Property described in Schedule C as the "Commercial Use Parcel", which may be used for Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Westchester County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

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

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

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

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property described in Schedule A and B shall not be used for Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i), except that portion of the controlled property identified in Schedule C herein, which shall not be used for Residential or Restricted Residential purposes as defined in 6 NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved b the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her 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

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: C360091
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC

625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Harbor Square Crossings, LLC:

By: _____

Print Name: Martin Ginsburg

Title: Owner Date: 5/4/16

Grantor's Acknowledgment

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

On the 4TH day of May, in the year 2016, before me, the undersigned, personally appeared Martin Ginsburg, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

DOUGLAS A. RAMSAY
Notary Public, State of New York
No. 01RA5066680
Qualified in Westchester County
Commission Expires Sept. 30, 2018

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Robert W. Schick, Director
Division of Environmental Remediation

Grantee's Acknowledgment

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

On the 25 day of May, in the year 2016 before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2016

CONTRACTORS' LINE & GRADE SOUTH, LLC

SINCE 1973

23 NEPPERHAN AVENUE
ELMSFORD, NEW YORK 10523-2506
914.347.3141 • FAX: 914.347.3120
OFFICE@LINEANDGRADE.NET

JOHN DeMARIO, PARTNER
GARY ENNIS, PARTNER

NOT AFFILIATED WITH ANY OTHER
LINE AND GRADE COMPANY

Schedule A

LEGAL DESCRIPTION OF

DEC-BCP Easement A

Section 97.06, Block 1, Lot 9.1 (as shown on the official Tax maps of the Town of Ossining)
Village of Ossining
County of Westchester
State of New York

RUNNING THENCE from a point formed along the westerly side of Secor Road, said point marking the northeasterly corner of lands now or formerly of the Town of Ossining being known as Lot 7E, Block 4. Section 3 as shown on the official Tax Maps of the Town of Ossining;

THENCE North 02 degrees 34 minutes 18 seconds East, a distance of 15.74 feet to the place and point of BEGINNING;

RUNNING THENCE North 87 degrees 23 minutes 33 seconds West, a distance of 61.03 feet;

THENCE North 47 degrees 48 minutes 13 seconds West, a distance of 6.19' feet;

THENCE North 42 degrees 11 minutes 47 seconds East, a distance of 12.86 feet;

THENCE along a curve to the left having a radius of 25.00 feet, an arc length of 13.10 feet, and an included angle of 317 degrees 48 minutes 13 seconds to a point of reverse curve;

THENCE along a curve to the right having a radius of 38.32 feet, an arc length of 41.04 feet, and an included angle of 106 degrees 28 minutes 43 seconds to a point of compound curve;

THENCE along a curve to the right having a radius of 82.54 feet, an arc length of 27.53 feet, and an included angle of 88 degrees 35 minutes 35 seconds to a point;

THENCE South 02 degrees 34 minutes 18 seconds West, a distance of 60.61 feet to the place and point of BEGINNING.

Contains within said bounds 2,914.07 square feet or 0.0668 acres of land.

CONTRACTORS' LINE & GRADE SOUTH, LLC

SINCE 1973

23 NEPPERHAN AVENUE
ELMSFORD, NEW YORK 10523-2506
914.347.3141 • FAX: 914.347.3120
OFFICE@LINEANDGRADE.NET

JOHN DeMARIO, PARTNER
GARY ENNIS, PARTNER

NOT AFFILIATED WITH ANY OTHER
LINE AND GRADE COMPANY

Schedule B

LEGAL DESCRIPTION OF

DEC-BCP Easement B

Section 97.06, Block 1, Lot 9.1 (as shown on the official Tax maps of the Town of Ossining)
Village of Ossining
County of Westchester
State of New York

RUNNING THENCE from a point formed along the westerly side of Secor Road, said point marking the northeasterly corner of lands now or formerly of the Town of Ossining being known as Lot 7E, Block 4. Section 3 as shown on the official Tax Maps of the Town of Ossining;

THENCE North 02 degrees 34 minutes 18 seconds East, a distance of 153.68 feet;

THENCE along a curve to the right having a radius of 102.00 feet, an arc length of 108.08 feet, and an included angle of 116 degrees 43 minutes 2 seconds to a non-tangent point;

THENCE North 00 degrees 26 minutes 02 seconds East, a distance of 53.80 feet;

THENCE North 66 degrees 33 minutes 01 seconds East, a distance of 6.24 feet;

THENCE North 02 degrees 34 minutes 47 seconds East, a distance of 217.50 feet to the DEC/BCP Easement B Tie Line;

THENCE South 08 degrees 45 minutes 24 seconds West, a distance of 54.87' feet to the place and point of BEGINNING;

RUNNING THENCE North 23 degrees 26 minutes 04 seconds West, a distance of 141.19 feet;

THENCE South 66 degrees 34 minutes 00 seconds West, a distance of 396.56' feet;

THENCE South 23 degrees 23 minutes 21 seconds East, a distance of 141.27 feet;

THENCE North 66 degrees 33 minutes 18 seconds East, a distance of 167.58 feet;

THENCE South 24 degrees 13 minutes 50 seconds East, a distance of 1.75 feet;

THENCE South 68 degrees 45 minutes 02 seconds East, a distance of 4.27 feet;

THENCE North 66 degrees 33 minutes 18 seconds East, a distance of 8.86 feet;

THENCE North 21 degrees 14 minutes 58 seconds East, a distance of 4.22 feet;

THENCE North 24 degrees 13 minutes 50 seconds West, a distance of 1.75 feet;

THENCE North 66 degrees 33 minutes 18 seconds East, a distance of 214.23 feet to the place and point of BEGINNING.

Contains within said bounds 56,074.89 square feet or 1.2873 acres of land.

CONTRACTORS' LINE & GRADE SOUTH, LLC

SINCE 1973

23 NEPPERHAN AVENUE
ELMSFORD, NEW YORK 10523-2506
914.347.3141 • FAX: 914.347.3120
OFFICE@LINEANDGRADE.NET

JOHN DeMARIO, PARTNER
GARY ENNIS, PARTNER

NOT AFFILIATED WITH ANY OTHER
LINE AND GRADE COMPANY

Schedule C

LEGAL DESCRIPTION OF

DEC-BCP Easement C

Section 97.06, Block 1, Lot 9.1 (as shown on the official Tax maps of the Town of Ossining)
Village of Ossining
County of Westchester
State of New York

RUNNING THENCE from a point formed along the westerly side of Secor Road, said point marking the northeasterly corner of lands now or formerly of the Town of Ossining being known as Lot 7E, Block 4. Section 3 as shown on the official Tax Maps of the Town of Ossining;

THENCE North 88 degrees 46 minutes 20 seconds West a distance of 73.10 feet;

THENCE North 01 degrees 50 minutes 47 seconds East a distance of 32.78 feet;

THENCE North 88 degrees 32 minutes 52 seconds West a distance of 30.90 feet;

THENCE North 21 degrees 55 minutes 55 seconds West a distance of 44.76 feet;

THENCE North 58 degrees 26 minutes 11 seconds West a distance of 39.93 feet to a point of curvature;

THENCE along a curve to the right having a radius of 80.00 feet, an arc length of 94.20 feet, and an included angle of 67 degrees 28 minutes 05 seconds feet to a point of tangency;

THENCE North 09 degrees 01 minutes 55 seconds East a distance of 45.04 feet;

THENCE North 24 degrees 42 minutes 08 seconds West a distance of 30.13 feet;

THENCE North 67 degrees 33 minutes 07 seconds West a distance of 109.02 feet;

THENCE North 53 degrees 23 minutes 15 seconds West a distance of 7.05 feet;

THENCE North 24 degrees 42 minutes 08 seconds West a distance of 169.19 feet;

THENCE North 66 degrees 23 minutes 30 seconds East a distance of 417.83 feet;

THENCE North 34 degrees 48 minutes 50 seconds West a distance of 2.54 feet;

THENCE North 67 degrees 06 minutes 02 seconds East a distance of 105.20 feet;

THENCE South 34 degrees 15 minutes 30 seconds East a distance of 17.30 feet;

THENCE South 02 degrees 34 minutes 47 seconds West a distance of 38.00 feet;

THENCE South 01 degrees 40 minutes 12 seconds West a distance of 93.68 feet;

THENCE North 88 degrees 19 minutes 48 seconds West a distance of 29.83 feet;

THENCE South 47 degrees 33 minutes 27 seconds West a distance of 2.03 feet;

THENCE South 08 degrees 45 minutes 24 seconds West, a distance of 54.87' feet;

THENCE North 23 degrees 26 minutes 04 seconds West, a distance of 141.19 feet;

THENCE South 66 degrees 34 minutes 00 seconds West, a distance of 396.56' feet;

THENCE South 23 degrees 23 minutes 21 seconds East, a distance of 141.27 feet;

THENCE North 66 degrees 33 minutes 18 seconds East, a distance of 167.58 feet;

THENCE South 24 degrees 13 minutes 50 seconds East, a distance of 1.75 feet;

THENCE South 68 degrees 45 minutes 02 seconds East, a distance of 4.27 feet;

THENCE North 66 degrees 33 minutes 18 seconds East, a distance of 8.86 feet;

THENCE North 21 degrees 14 minutes 58 seconds East, a distance of 4.22 feet;

THENCE North 24 degrees 13 minutes 50 seconds West, a distance of 1.75 feet;

THENCE North 66 degrees 33 minutes 18 seconds East, a distance of 214.23 feet;

THENCE North 08 degrees 45 minutes 24 seconds East, a distance of 54.87' feet;

THENCE South 02 degrees 34 minutes 47 seconds West, a distance of 217.50 feet;

THENCE South 66 degrees 33 minutes 01 seconds West a distance of 6.24 feet;

THENCE South 00 degrees 26 minutes 02 seconds West a distance of 53.80 feet to a point of curvature;

THENCE along a non-tangent curve to the left, having a radial bearing South 26 degrees 43 minutes 02 seconds East, having a radius of 102.00 feet, an arc length of 108.08 feet, and an included angle of 60 degrees 42 minutes 40 seconds to a point of tangency;

THENCE South 02 degrees 34 minutes 18 seconds West, a distance of 77.33 feet to a point of curvature;

THENCE along a non-tangent curve to the left, having a radial bearing of South 01 degrees 24 minutes 25 seconds West, having a radius of 82.54 feet, an arc length of 27.53 feet, and an included angle of 88 degrees 35 minutes 35 seconds to a point of compound curve;

THENCE along a curve to the left having a radius of 38.32 feet, an arc length of 41.04 feet, and an included angle of 106 degrees 28 minutes 43 seconds to a point of reverse curve;

THENCE along a curve to the right having a radius of 25.00 feet, an arc length of 13.10 feet, and an included angle of 317 degrees 48 minutes 13 seconds to a point of tangency;

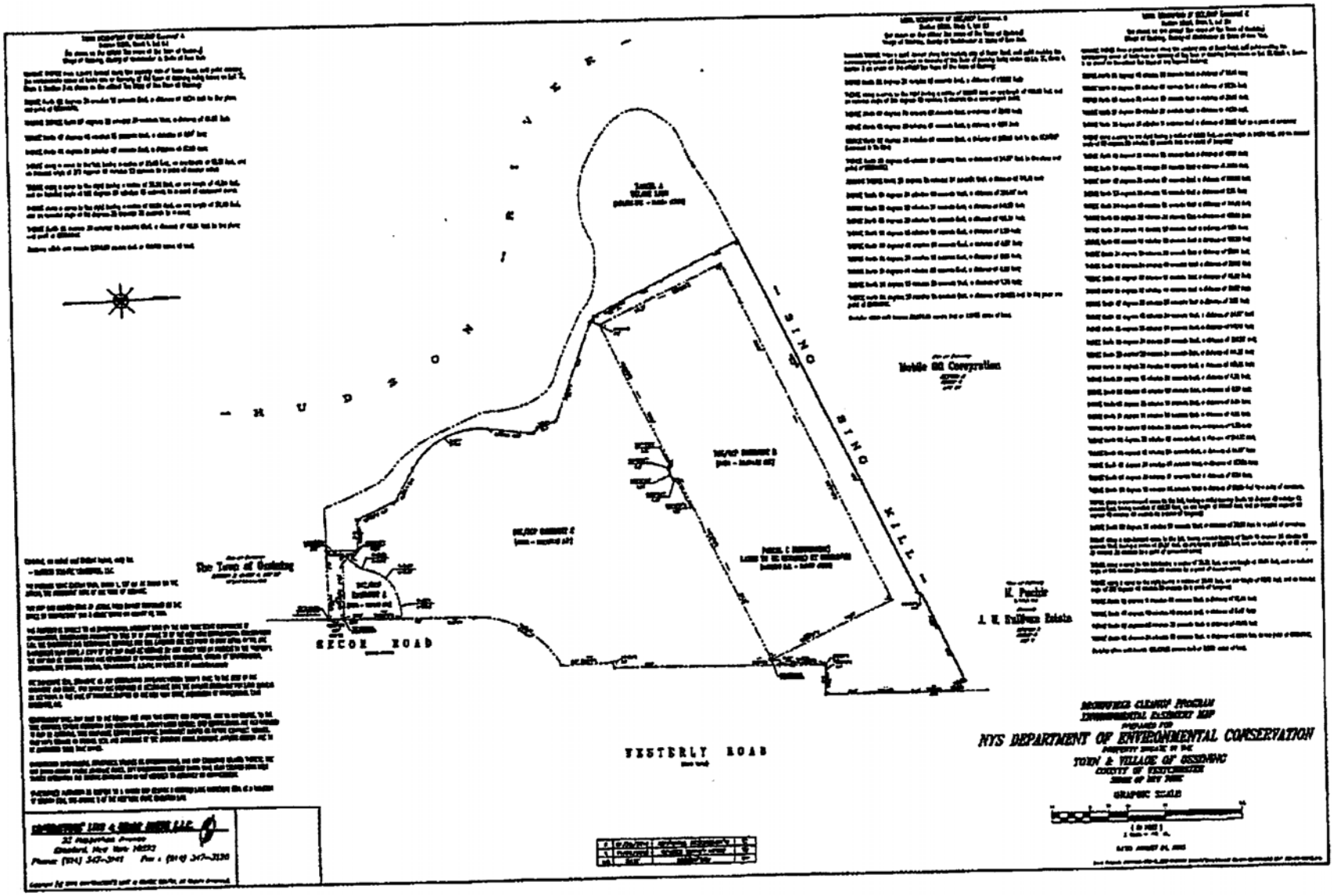
THENCE South 42 degrees 11 minutes 47 seconds West, a distance of 12.86 feet;

THENCE South 47 degrees 48 minutes 13 seconds East, a distance of 6.19' feet;

THENCE South 87 degrees 23 minutes 33 seconds East, a distance of 61.03 feet;

THENCE South 02 degrees 34 minutes 18 seconds West, a distance of 15.74 feet to the point of BEGINNING;

Contains within said bounds 109,430.16 square feet or 2.5121 acres of land.


HUDSON
SING SING KILL
SECOR ROAD
WESTERLY ROAD
Mobile Oil Corporation
The Town of Ossining
J. H. Fullman Estate
NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TOWN & VILLAGE OF OSSINING
COUNTY OF WESTCHESTER

The Office of the Westchester County Clerk: This page is part of the instrument; the County Clerk will rely on the information provided on this page for purposes of indexing this instrument. To the best of submitter's knowledge, the information contained on this Recording and Endorsement Cover Page is consistent with the information contained in the attached document.

561613567EAS0014

Westchester County Recording & Endorsement Page

Submitter Information

Name:	benchmark title	Phone:	914-250-2400
Address 1:	222 Bloomindale Road	Fax:	
Address 2:		Email:	ikeane@benchmarkta.com
City/State/Zip:	White Plains NY 10605	Reference for Submitter:	BRA1203875-GINSBURG ESMNT

Document Details

Control Number: **561613567** Document Type: **Easement (EAS)**

Package ID: 2016060900240001001 Document Page Count: **7** Total Page Count: **9**

Parties

☑ Additional Parties on Continuation page

	1st PARTY		2nd PARTY	
1:	HARBOR SQUARE CROSSINGS LLC	- Other	PEOPLE OF THE STATE OF NEW YORK	- Other
2:			NYSDEC	- Other

Property

☐ Additional Properties on Continuation page

Street Address: 3 WESTERLY RD Tax Designation: 97.06-1-9.1

City/Town: OSSINING TOWN Village:

Cross- References

☐ Additional Cross-Refs on Continuation page

1: 483640269 2: 3: 4:

Supporting Documents

Recording Fees

Statutory Recording Fee:	$40.00
Page Fee:	$40.00
Cross-Reference Fee:	$0.50
Mortgage Affidavit Filing Fee:	$0.00
RP-5217 Filing Fee:	$0.00
TP-584 Filing Fee:	$5.00
Total Recording Fees Paid:	**$85.50**

Transfer Taxes

Consideration:	$0.00
Transfer Tax:	$0.00
Mansion Tax:	$0.00
Transfer Tax Number:	

Mortgage Taxes

Document Date:

Mortgage Amount:

Basic:	$0.00
Westchester:	$0.00
Additional:	$0.00
MTA:	$0.00
Special:	$0.00
Yonkers:	$0.00
Total Mortgage Tax:	**$0.00**

Dwelling Type: Exempt: ☐

Serial #:

RECORDED IN THE OFFICE OF THE WESTCHESTER COUNTY CLERK

Recorded: 06/14/2016 at 01:57 PM

Control Number: **561613567**

Witness my hand and official seal

Timothy C Idoni
Westchester County Clerk

Record and Return To

☐ Pick-up at County Clerk's office

BENCHMARK TITLE AGENCY
222 BLOOMINGDALE RD
SUITE 102
WHITE PLAINS, NY 10605

TERMINATION AND RELEASE OF ENVIRONMENTAL EASEMENT

This Termination and Release of Environmental Easement is made as of this 25th day of May 2016, by and between The People of the State of New York, acting through their Commissioner of the Department of Environmental Conservation ("NYSDEC" or the "Department") with its headquarters located at 625 Broadway, Albany, New York 12233, and Harbor Square, LLC and Harbor Square Crossings, LLC (collectively "Grantor") with their offices located at 100 Summit Lake, Valhalla, New York 10595.

RECITALS

1. The Department and Grantor entered into that certain Environmental Easement ("Easement Agreement") dated as of December 22, 2008 and recorded in the office of the Westchester County Clerk on December 30, 2008 at Control # 483640269. Capitalized terms used herein without definition have the meanings ascribed to them in the Environmental Easement Agreement.

2. Grantor, Harbor Square, LLC was the owner of certain land formally known and designated on the tax map of the Village and Town of Ossining as tax map parcel numbers: Section 97.06 Block 1 Lots 9, 10, 14 and 15 (all lots have since been combined and are now known as Section 97.06 Block 1 Lot 9.1), being the same as that property conveyed to Grantor by deeds dated September 19, 2006 and recorded in the Westchester County Clerk's Office at Control #'s 462850018, 462850031, 462850050 and 472400826. The property comprises approximately 3.866 +/- acres, and is hereinafter more fully described in Exhibit A.

3. Pursuant to Section 1, 2, 3, 4, and 5 of the Easement Agreement, Grantor granted the Department rights and interests that run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of the Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of maintenance, monitoring or operation requirements; and to ensure the potential restriction of future uses of the land that are inconsistent with the stated purpose.

4. Pursuant to Section 2 A of the Easement Agreement, the Controlled Property may only be used for Commercial and Industrial uses described in 6 NYCRR §375-1.8(g) and may only be used consistent with controls set out in that Section 2 A of the Easement Agreement.

5. On April 10, 2014 Harbor Square, LLC conveyed title to the Site to Harbor Square Crossings, LLC by deed recorded in the Westchester County Clerk's Office at Control # 540993596.

6. The Parties do hereby agree that a new Environmental Easement will be filed contemporaneously with this Termination in order to address the site management needs of the now remediated site.

7. Pursuant to Section 9 of the Easement Agreement, the Department agrees to terminate and release the Easement Agreement.

TERMINATION AND RELEASE OF ENVIRONMENTAL EASEMENT

A. The above recitals are hereby incorporated into this Termination and Release of Environmental Easement.

B. The Department confirms that the date hereof is the "Termination Date" and the Department accordingly hereby terminates and releases the property as described in Exhibit A.

C. This Termination and Release of Environmental Easement inures to and binds the parties hereto and their respective successors and assigns.

D. This Termination and Release of Environmental Easement shall be governed by and interpreted in accordance with the laws of the State of New York.

THIS TERMINATION AND RELEASE OF THE ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By:_____
Robert W. Schick, Director
Division of Environmental Remediation

Grantee's Acknowledgment

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

On the 25 day of May, in the year 2016, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2018

SCHEDULE "A" PROPERTY DESCRIPTION

SCHEDULE "A" PROPERTY DESCRIPTION

Legal Description
Disposition Parcel
Village & Town of Ossining, Westchester County, New York

All that plot, piece or parcel of land, situate, lying, and being in the Village of Ossining, County of Westchester and State of New York being more particularly described as follows:

BEGINNING at a point formed along the westerly side of Secor Road, said point marking the northeasterly corner of lands N/F the Town of Ossining being known as Lot 7E, Block 4, Section 3 as shown on the official Tax Maps of the Town of Ossining;

From said point of BEGINNING along the northerly boundary of the aforementioned lands of N/F the Town of Ossining (Lot 7E, Block 4, Section 3);

1) THENCE North 88-46-20 West a distance of 73.10 feet to a point;

Through the lands of the grantors along the westerly boundary of the herein described parcel, the following ten-(10) courses and distances;

2) THENCE North 01-50-47 East a distance of 32.78 feet to a point;

3) THENCE North 88-32-53 West a distance of 30.90 feet to a point;

4) THENCE North 21-55-55 West a distance of 44.76 feet to a point;

5) THENCE North 58-26-11 West a distance of 39.93 feet to a point of curvature;

6) THENCE along a curve to the right having a radius of 80.00 feet, an arc length of 94.20 feet, and an included angle of 67-28-05 feet to a point of tangency;

7) THENCE North 09-01-54 East a distance of 45.04 feet to a point;

Legal Description
Disposition Parcel
Village & Town of Ossining, Westchester County, New York

8) THENCE North 24-42-08 West a distance of 30.13 feet to a point;

9) THENCE North 67-33-07 West a distance of 109.02 feet to a point;

10) THENCE North 53-23-15 West a distance of 7.05 feet to a point;

11) THENCE North 24-42-08 West a distance of 169.19 feet to a point on the southerly boundary of lands N/F Mobil Oil Corporation;

Along the southerly boundary of lands N/F Mobil Oil Corporation, and also lands N/F M. Puchir, and lands N/F J.W. Sullivan Estates the following four (4) courses and distances;

12) THENCE North 66-23-30 East a distance of 417.83 feet to a point;

13) THENCE North 34-48-50 West a distance of 2.54 feet to a point;

14) THENCE North 67-06-02 East a distance of 105.20 feet to a point;

15) THENCE South 34-15-30 East a distance of 17.30 feet to a point on the westerly side of Westerly Road Way;

Along the westerly side of Westerly Road Way the following seven (7) courses and distances;

16) THENCE South 02-34-47 West a distance of 38.00 feet to a point;

17) THENCE South 01-40-12 West a distance of 93.68 feet to a point;

18) THENCE North 88-19-48 West a distance of 29.83 feet to a point;

19) THENCE South 47-33-27 West a distance of 2.03 feet to a point;

Legal Description
Disposition Parcel
Village & Town of Ossining, Westchester County, New York

20) THENCE South 02-34-47 West a distance of 217.50 feet to a point;

21) THENCE South 66-33-01 West a distance of 6.24 feet to a point;

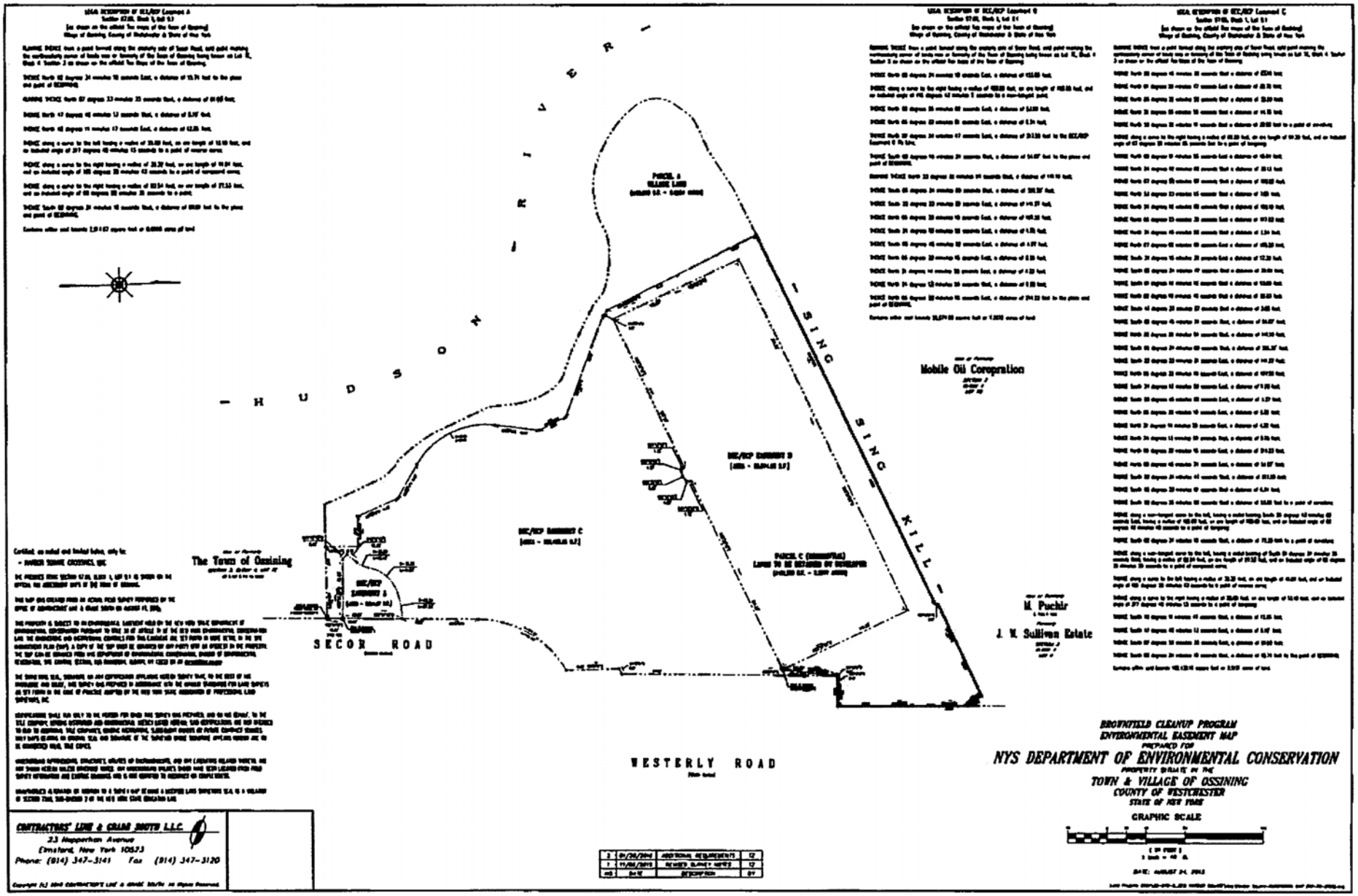
22) THENCE South 00-26-02 West a distance of 53.80 feet to a point;

Along the Westerly side of Secor Road the following two (2) courses and distances;

23) THENCE along a non-tangent curve to the left, having a radial bearing South 26-43-02 East, having a radius of 102.00 feet, an arc length of 108.08 feet, and an included angle of 60-42-40 feet to a point of tangency;

24) THENCE South 02-34-18 West a distance of 153.68 feet to the point and place of BEGINNING.

Containing within said bounds 168,419 square feet (3.866 Ac.) more or less.



BROWNFIELD CLEANUP PROGRAM
ENVIRONMENTAL EASEMENT MAP
PREPARED FOR
NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
PROPERTY SITUATE IN THE
TOWN & VILLAGE OF OSSINING
COUNTY OF WESTCHESTER
STATE OF NEW YORK

GRAPHIC SCALE

DATE: AUGUST 24, 2015

CONTRACTORS' LINE & CRANE SURVEY L.L.C.
23 Hopperton Avenue
Elmsford, New York 10523
Phone: (914) 347-3141 Fax (914) 347-3120

NEW YORK STATE DEPARTMENT ENVIRONMENTAL CONSERVATION
BROWNFIELD CLEANUP PROGRAM
ECL § 27-1401 *et seq.*

The Harbor Square Site
DEC Site No.: C360091
Located at: 3 Westerly Road
Village and Town of Ossining
Westchester County
New York, 10562

AFFIRMATION OF LINDA R. SHAW IN SUPPORT OF MAILING MUNICIPAL NOTICES

Certificate of Completion Holder:
Harbor Square Crossings, LLC
c/o Ginsburg Development Companies LLC
100 Summit Lake Drive
Valhalla, New York 10595

I, Linda R. Shaw, an attorney admitted to practice in the State of New York, affirms under penalty of perjury the following:

1. I am the attorney of record for Harbor Square Crossings, LLC, which is the Certificate of Completion Holder for the New York State Brownfield Cleanup Program Site ("BCP"), The Harbor Square Site, Site Number C360091.
2. On July 13, 2016, I mailed a true copy of a Notice to Municipality to Jeremiah Lynch, the Chair of the Westchester County Department of Planning, by depositing a true copy of the same enclosed in a first-class, postpaid addressed envelope in an official depository under the exclusive care and custody of the United States Postal Service within the State of New York.
3. On July 13, 2016, I mailed a true copy of a Notice to Municipality to Ingrid Richards, the Chair of the Town of Ossining Planning Board, by depositing a true copy of the same enclosed in a first-class, postpaid addressed envelope in an official depository under the exclusive care and custody of the United States Postal Service within the State of New York.
4. On July 13, 2016, I mailed a true copy of a Notice to Municipality to Lynn Brooks-Avni, the Director of the Village of Ossining Planning and Economic Development, by depositing a true copy of the same enclosed in a first-class, postpaid addressed envelope in an official depository under the exclusive care and custody of the United States Postal Service within the State of New York.

WHEREFORE, Linda Shaw respectfully requests that this affirmation is acceptable proof of mailing for the municipal notices required for the Brownfield Cleanup Program Site.

Dated: July 13, 2016

Sworn to before me this
13 day of July, 2016.

Notary Public

MELISSA MARIE SLAUGHTER
NOTARY PUBLIC, State of New York
Registration No. 02SL6335805
Qualified in Monroe County
My Commission Expires January 19, 20 20

LINDA R. SHAW

[illegible] MARIE SLAUGHTER
NOTARY PUBLIC, State of New York
Registration No. 01SL6[illegible]45
Qualified in Nassau County
My Commission Expires January 19, 20__

Notice to Village

Date 7/8/16

Lynn Brooks-Avni, Director
Village of Ossining Planning and Economic Development
16 Croton Avenue
Ossining, NY 10562

Re: Environmental Easement

Dear Lynn Brooks-Avni:

Attached please find a copy of an environmental easement granted to the New York State Department of Environmental Conservation ("Department")

on May 25, 2016, recorded on June 20, 2016
by Harbor Square Crossings, LLC
for property at 3 Westerly Road, Village and Town of Ossining, 10562
Tax Map No. Section 97.06, Block 1, Lot 9.1
DEC Site No: C360091

This Environmental Easement has three distinct easement areas; two of which allow restricted-residential, commercial, and industrial uses, and one which allows only commercial and industrial use. Any on-site activity must be done in accordance with the Environmental Easement and the Site Management Plan which is incorporated into the Environmental Easement. Department approval is also required prior to any groundwater use.)

Article 71, Section 71-3607 of the New York State Environmental Conservation Law requires that:

1. Whenever the department is granted an environmental easement, it shall provide each affected local government with a copy of such easement and shall also provide a copy of any documents modifying or terminating such environmental easement.

2. Whenever an affected local government receives an application for a building permit or any other application affecting land use or development of land that is subject to an environmental easement and that may relate to or impact such easement, the affected local government shall notify the department and refer such application to the department. The department shall evaluate whether the application is consistent with the environmental easement and shall notify the affected local government of its determination in a timely fashion, considering the time frame for the local government's review of the application. The affected local government shall not approve the application until it receives approval from the department.

An electronic version of every environmental easement that has been accepted by the Department is available to the public at: http://www.dec.ny.gov/chemical/36045.html. Please forward this notice to your building and/or planning departments, as applicable, to ensure your compliance with these provisions of New York State Environmental Conservation Law. If you have any questions or comments regarding this matter, please do not hesitate to contact me.

Very truly yours,

Martin Ginsburg
Harbor Square Crossings, LLC

Notice to County

Date 7/8/16

Jeremiah Lynch, Chair
Westchester County Department of Planning
148 Martine Ave. Room 432
White Plains, NY 10601

Re: Environmental Easement

Dear Jeremiah Lynch:

Attached please find a copy of an environmental easement granted to the New York State Department of Environmental Conservation ("Department")

on May 25, 2016, recorded on June 20, 2016
by Harbor Square Crossings, LLC
for property at 3 Westerly Road, Village and Town of Ossining, 10562
Tax Map No. Section 97.06, Block 1, Lot 9.1
DEC Site No: C360091

This Environmental Easement has three distinct easement areas; two of which allow restricted-residential, commercial, and industrial uses, and one which allows only commercial and industrial use. Any on-site activity must be done in accordance with the Environmental Easement and the Site Management Plan which is incorporated into the Environmental Easement. Department approval is also required prior to any groundwater use.)

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Very truly yours,

Martin Ginsburg
Harbor Square Crossings, LLC

Notice to Town

Date 7/8/16

Ingrid Richards, Chair
Town of Ossining Planning Board
Route 9A - P.O. Box 1166
Ossining, NY 10562

Re: Environmental Easement

Dear Ingrid Richards:

Attached please find a copy of an environmental easement granted to the New York State Department of Environmental Conservation ("Department")

on May 25, 2016, recorded on June 20, 2016
by Harbor Square Crossings, LLC
for property at 3 Westerly Road, Village and Town of Ossining, 10562
Tax Map No. Section 97.06, Block 1, Lot 9.1
DEC Site No: C360091

This Environmental Easement has three distinct easement areas; two of which allow restricted-residential, commercial, and industrial uses, and one which allows only commercial and industrial use. Any on-site activity must be done in accordance with the Environmental Easement and the Site Management Plan which is incorporated into the Environmental Easement. Department approval is also required prior to any groundwater use.)

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An electronic version of every environmental easement that has been accepted by the Department is available to the public at: http://www.dec.ny.gov/chemical/36045.html. Please forward this notice to your building and/or planning departments, as applicable, to ensure your compliance with these provisions of New York State Environmental Conservation Law. If you have any questions or comments regarding this matter, please do not hesitate to contact me.

Very truly yours,

Martin Ginsburg
Harbor Square Crossings, LLC

Attachment J
SMP Monitoring & Inspection Schedule and Cleanup Objectives List

TABLE 4 - MONITORING/INSPECTION SCHEDULE
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT # 7173

Monitoring Program	Frequency*	Matrix	Analysis
Composite Cover System	Annual	Solid	Visual Inspection Maintenance Records Review
Slurry Wall	Semi-annual	Solid	Visual Inspection Maintenance Records Review Gauge monitoring wells MW-4, MW-4A, MW-6A, MW-6B, MW-7, MW-7A, MW-B and MW-C for presence of DNAPL
DNAPL Recovery System	Quarterly	Liquid	Visual Inspection Maintenance Records Review Gauge MW-A to measure DNAPL thickness
Sub-Slab Venting/Depressurization System	Quarterly	Air	Visual Inspection Maintenance Records Review
Monitoring Well Sampling	Annual	Liquid	Sample monitoring wells for VOCs and SVOCs
Indoor Air Quality	Annual	Air	Volatile Organics using USEPA Method TO-15

* The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH

TABLE 3 - LIST OF CLEANUP OBJECTIVES - SOIL
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS # 7173

SOIL			
Group	Analyte	CAS #	More Stringent of Commercial/Protection of Groundwater Soil Cleanup Objective (mg/Kg)
METALS	Aluminum	7429-90-5	SB*
	Antimony	7440-36-0	SB*
	Arsenic	7440-38-2	16
	Barium	7440-39-3	400
	Beryllium	7440-41-7	47^
	Cadmium	7440-43-9	7.5^
	Calcium	7440-70-2	SB*
	trivalent Chromium	7440-47-3	1500
	hexavalent Chromium	18540-29-9	19^
	Cobalt	7440-48-4	30 or SB*
	Copper	7440-50-8	270
	Iron	7439-89-6	2000 or SB*
	Lead	7439-92-1	450^
	Magnesium	7439-95-4	SB*
	Manganese	7439-96-5	2000^
	Mercury	7439-97-6	0.73^
	Nickel	7440-02-0	130^
	Potassium	9/7/7440	SB*
	Selenium	7782-49-2	4^
	Silver	7440-22-4	8.3^
	Sodium	7440-23-5	SB*
	Thallium	7440-28-0	SB*
	Vanadium	7440-62-2	150 or SB*
	Zinc	7440-66-6	2480^
SVCOs	1-Chloropropane	540-54-5	-
	1,2,4-Trichlorobenzene	120-82-1	3.4*
	2,4,5-Trichlorophenol	95-95-4	0.1*
	2,4,6-Trichlorophenol	88-06-2	-
	2,4-Dichlorophenol	120-83-2	0.4*
	2,4-Dimethylphenol	105-67-9	-
	2,4-Dinitrophenol	51-28-5	0.200 (M)*
	2,4-Dinitrotoluene	121-14-2	-
	2,6-Dinitrotoluene	606-20-2	1*
	2-Chloronaphthalene	91-58-7	-
	2-Chlorophenol	95-57-8	0.8*
	2-Methylnaphthalene	91-57-6	36.4*
	2-Methylphenol	95-48-7	0.33^
	2-Nitroaniline	88-74-4	0.430 (M)*
	2-Nitrophenol	88-75-5	0.330 (M)*
	3&4-Methylphenol	106-44-5	0.33^
	3,3'-Dichlorobenzidine	91-94-1	-
	3-Nitroaniline	99-09-2	0.500 (M)*
	4,6-Dinitro-2-methylphenol	534-52-1	-
	4-Bromophenyl-phenylether	101-55-3	-

TABLE 3 - LIST OF CLEANUP OBJECTIVES - SOIL
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS # 7173

SOIL			
Group	Analyte	CAS #	More Stringent of Commercial/Protection of Groundwater Soil Cleanup Objective (mg/Kg)
SVCOs	4-Chloro-3-methylphenol	59-50-7	0.240 (M)*
	4-Chloroaniline	106-47-8	0.220 (M)*
	4-Chlorophenyl-phenylether	7005-72-3	-
	4-Nitroaniline	100-01-6	-
	4-Nitrophenol	100-02-7	0.100 (M)*
	Acenaphthene	83-32-9	98^
	Acenaphthylene	208-96-8	107^
	Aniline	62-53-3	0.1*
	Anthracene	120-12-7	500
	Benzo[a]Anthracene	56-55-3	1^
	Benzo[a]Pyrene	50-32-8	1
	Benzo[b]Fluoranthene	205-99-2	1.7^
	Benzo[g,h,i]Perylene	191-24-2	500
	Benzo[k]Fluoranthene	207-08-9	1.7^
	Benzoic acid	65-85-0	2.7*
	bis(2-Chloroethoxy)methane	111-91-1	-
	bis(2-Chloroethyl)ether	111-44-4	-
	bis(2-Ethylhexyl)phthalate	117-81-7	50*
	Butylbenzylphthalate	85-68-7	50*
	Carbazole	86-74-8	-
	Caprolactam	105-60-2	-
	Chrysene	218-01-9	1^
	Dibenzo[a,h]Anthracene	53-70-3	0.56
	Dibenzofuran	132-64-9	210^
	Diethylphthalate	84-66-2	7.1*
	Dimethylphthalate	131-11-3	2*
	Di-n-Butylphthalate	84-74-2	8.1*
	Di-n-octylphthalate	117-84-0	50*
	Fluoranthene	206-44-0	500
	Fluorene	86-73-7	386^
	Hexachlorobenzene	118-74-1	3.2^
	Hexachlorobutadiene	87-68-3	-
	Hexachlorocyclopentadiene	77-47-4	-
	Hexachloroethane	67-72-1	-
	Indeno[1,2,3-cd]Pyrene	193-39-5	5.6
	Isophorone	78-59-1	4.4*
	Naphthalene	91-20-3	12^
	Nitrobenzene	98-95-3	0.200 (M)*
	N-Nitroso-Di-n-propylamine	621-64-7	-
	N-Nitrosodiphenylamine	86-30-6	-
	Pentachlorophenol	87-86-5	0.8^
	Phenanthrene	85-01-8	500
	Phenol	108-95-2	0.33^
	Pyrene	129-00-0	500

TABLE 3 - LIST OF CLEANUP OBJECTIVES - SOIL
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS # 7173

SOIL			
Group	Analyte	CAS #	More Stringent of Commercial/Protection of Groundwater Soil Cleanup Objective (mg/Kg)
PCBSs	Aroclor-1016	12674-11-2	1
	Aroclor-1221	11104-28-2	1
	Aroclor-1232	11141-16-5	1
	Aroclor-1242	53469-21-9	1
	Aroclor-1248	12672-29-6	1
	Aroclor-1254	11097-69-1	1
	Aroclor-1260	11096-82-5	1
HERBICIDES & PESTICIDES	2,4-D		0.5*
	2,4,5-T		1.9*
	2,4,5-TP Acid (Silvex)	93-72-1	3.8^
	Aldrin	309-00-2	0.19^
	Alpha-BHC	319-84-6	0.02^
	Beta-BHC	319-85-7	0.09^
	Chlordane	57-74-9	2.9^
	Delta-BHC	319-86-8	0.25^
	Dieldrin	60-57-1	0.1^
	Endosulfan I	959-98-8	102^
	Endosulfan II	33213-65-9	102^
	Endosulfan Sulfate	1031-07-8	200
	Endrin	72-20-8	0.06^
	Endrin Aldehyde	7421-93-4	-
	Endrin Ketone	53494-70-5	-
	Gamma-BHC (Lindane)	58-89-9	0.1^
	Heptachlor	76-44-8	0.38^
	Heptachlor Epoxide	1024-57-3	0.02*
	Methoxychlor	72-43-5	10*
	P,P'-DDD	72-54-8	14
	P,P'-DDE	72-55-9	17^
	P,P'-DDT	50-29-3	47
	Parathion		1.2*
	Toxaphene	8001-35-2	-
VOCs	1,1,1-Trichloroethane	71-55-6	0.68^
	1,1,2,2-Tetrachloroethane	79-34-5	0.6*
	1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	6*
	1,1,2-Trichloroethane	79-00-5	-
	1,1-Dichloroethane	75-34-3	0.27^
	1,1-Dichloroethene	75-35-4	0.33^
	1,2,3-Trichloropropane	96-18-4	0.4*
	1,2,4-Trimethylbenzene	95-63-6	3.6^
	1,2-Dibromomethane	74-95-3	-
	1,2-Dibromo-3-chloropropane	96-12-8	-
	1,2-Dichlorobenzene	95-50-1	1.1^
	1,2-Dichloroethane	107-06-2	0.02^

TABLE 3 - LIST OF CLEANUP OBJECTIVES - SOIL
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS # 7173

SOIL			
Group	Analyte	CAS #	More Stringent of Commercial/Protection of Groundwater Soil Cleanup Objective (mg/Kg)
VOCs	1,2-Dichloropropane	78-87-5	-
	1,3,5-Trimethylbenzene	108-67-8	8.4^
	1,3-Dichlorobenzene	541-73-1	2.4^
	1,3-Dichloropropane	142-28-9	0.3*
	1,4-Dichlorobenzene	106-46-7	1.8^
	1,4-Dioxane	123-91-1	0.1^
	2-Butanone (Methyl ethyl ketone)	78-93-3	0.12^
	2-Hexanone	591-78-6	-
	4-Isopropyltoluene	99-87-6	11 (APA)*
	4-Methyl-2-Pentanone	108-10-1	1*
	Acetone	67-64-1	0.05^
	Benzene	71-43-2	0.06^
	Bromodichloromethane	75-27-4	-
	Bromoform	75-25-2	-
	Bromomethane	74-83-9	-
	Carbon disulfide	75-15-0	2.7*
	Carbon tetrachloride	56-23-5	0.76^
	Chlorobenzene	108-90-7	1.1^
	Chloroethane	75-00-3	1.9*
	Chloroform	67-66-3	0.37^
	Chloromethane	74-87-3	-
	Cis-1,2-Dichloroethene	156-59-2	0.25^
	Cis-1,3-Dichloropropene	10061-01-5	-
	Cyclohexane	110-82-7	
	Dibromochloromethane	124-48-1	-
	Dichlorodifluoromethane	75-71-8	-
	Ethylbenzene	100-41-4	1^
	Isopropylbenzene	98-82-8	-
	M&p-Xylenes	1330-20-7	1.6^
	Methylene chloride	75-09-2	0.05^
	Methylcyclohexane	108-87-2	-
	Methyl-t-butyl ether	1634-04-4	0.93^
	n-Butylbenzene	104-51-8	12^
	n-Propylbenzene	103-65-1	3.9^
	O-Xylene	95-47-6	1.6^
	sec-Butylbenzene	135-98-8	11^
	Styrene	100-42-5	-
	t-Butyl Alcohol	75-65-0	-
	t-Butylbenzene	98-06-6	5.9^
	Tetrachloroethene	127-18-4	1.3^
	Toluene	108-88-3	0.7^
	Trans-1,2-dichloroethene	156-60-5	0.19^
	Trans-1,3-dichloropropene	10061-02-6	-
	Trichloroethene	79-01-6	0.47^
	Trichlorofluoromethane	75-69-4	-

TABLE 3 - LIST OF CLEANUP OBJECTIVES - SOIL
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS # 7173

SOIL			
Group	Analyte	CAS #	More Stringent of Commercial/Protection of Groundwater Soil Cleanup Objective (mg/Kg)
VOCs	Vinyl chloride	75-01-4	0.02^
	Cyanide	57-12-5	27

* - TAGM 4046 Recommended Soil Cleanup Objectives
^ - Protection of Groundwater