



September 18, 2020

Justin Starr
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway, Albany, New York 12233-7014

Re: Little Britain Road (BCP # C336031)
Final Remedial Investigation Work Plan

Dear Mr. Starr:

Enclosed for your review and approval is the final *Remedial Investigation Work Plan* (RIWP) prepared for Central Hudson Gas & Electric Corporation (Central Hudson) for the Little Britain Road site located in New Windsor, New York (Site). The RIWP has been revised in response to comments received from the New York State Department of Environmental Conservation (NYSDEC), New York State Department of Health (NYSDOH), and the public as provided in a letter dated August 26, 2020. Each comment and response is summarized below.

1. **Section 2.2 Visual Inspection and Surficial Soil Sampling:** Due to the lack of historical data for the surface soil sampling area, a full suite of analysis would be more appropriate to fully characterization surface soils in that portion of the property. Please revise to include the full suite of analysis that includes metals, per-and-polyfluoroalkyl substances (PFAS), polychlorinated biphenyls (PCBs), and pesticides in addition to the volatile organic compounds (VOCs) and semi- volatile organic compounds (SVOCs) currently selected for analysis. Please note that the VOCs should be taken below the 2-inch interval and care should be taken to select an undisturbed in-situ sample via a method that minimizes loss of volatiles (e.g. EnCore, Terra Core, or equivalent).

Response: *The RIWP has been revised to include the expanded suite of analysis for surficial soil sampling and sample collection methodology.*

2. **Section 3.1 Groundwater Investigation Objectives:** Please install an additional nested set of monitoring wells about 100 feet west of MW-18-10C and MW-18-11C adjacent to the Lockwood Basin to delineate chlorinated VOCs and evaluate potential PFAS migration between Washington Lake and the Site.

Response: One additional monitoring well screened only in the deep bedrock will be installed to the west of MW-18-10C/MW-18-11C. Please note the installation of this monitoring well is contingent upon safety and obtaining required off-site access. The approximate location of this additional monitoring well is included in the RIWP.

3. **Section 3.1 Groundwater Investigation Objectives:** Please install additional wells in the vicinity of MW18-14C to further characterize the horizontal and vertical extent of a predictable presence of DNAPL in bedrock fractures.

Response: The goal of the RIWP groundwater investigation is to determine the furthest extent of potential impacts on the site. As such the majority of the proposed monitoring wells have been located proximal to the property boundaries where data gaps currently exist. Additionally, a deep bedrock well is proposed adjacent to MW18-14C to vertically delineate observed impacts in this area. No additional wells in the vicinity of MW18-14C are proposed at this time. The need for any additional wells will be based on the findings of this investigation.

4. **Section 3.5 Initial Groundwater Sampling:** Please sample all existing and new Site monitoring wells and analyze for PFAS to further characterize the extent of PFAS groundwater impacts on and off the Site.

Response: Once all new monitoring wells proposed in the RIWP are completed Central Hudson and the NYSDEC will select the appropriate monitoring wells to analyze for PFAS. This sampling will be included in the subsequent quarterly monitoring event. Section 3.8 has been revised to include this additional analysis.

5. **Section 3.5 Initial Groundwater Sampling:** Please sample all existing and new Site monitoring wells and analyze for 1,4-dioxane to verify that 1,4, Dioxane is not a compound of concern above the MCL of 1 ppb.

Response: Once all new monitoring wells proposed in the RIWP are completed Central Hudson and the NYSDEC will select the appropriate monitoring wells to analyze for 1,4-dioxane. This sampling will be included in the subsequent quarterly monitoring event. Section 3.8 has been revised to include this additional analysis.

6. **Section 3.5 Initial Groundwater Sampling:** Please clarify if multiple passive samplers will be used in each open borehole at multiple depth intervals. If so, how long will the borehole be left open before specific intervals are selected for well screen installation?

Response: Multiple passive samplers (Hydrasleeve™ or equivalent) will be used in each borehole, deployed at intervals described in response to comment number 7 below. Samples will be collected the same day as deployment, and submitted for rapid analytical result turnaround. It is anticipated that the borehole would be open less than 7 days before screened intervals can be designed and installed.

7. **Section 3.5 Initial Groundwater Sampling:** Please clarify on how “hydraulically active” intervals are defined and whether there are specific threshold values identified during the geophysical analysis that would indicate an interval is “active”.

***Response:** “Hydraulically active” intervals will be identified in the following manner. Heat pulse flowmeter reading will be acquired in the open borehole under static and pumping conditions. Using FLASH (Flow-Logging at Single Boreholes), and given vertical flow profiles collected under both ambient and stressed (pumping or injection) conditions, the user can estimate fracture (or layer) transmissivities and far-field hydraulic heads. “Hydraulically active” intervals will be those which exhibit flows under static or pumping conditions.*

8. **Section 3.5 Initial Groundwater Sampling:** Please provide the relevant packer testing sections of the MW05-8C Investigation Work Plan as an appendix, so that it may act as a reference to the reader.

***Response:** Requested sections have been included as an appendix to the RIWP.*

9. **Section 3.5 Initial Groundwater Sampling:** Please provide the metric by which packer testing would be considered “warranted”.

***Response:** In the event that no “hydraulically active” intervals are identified using HPFM and FLASH modeling, then packer testing will be considered warranted. In this event, initial groundwater samples would be collected in accordance with the packer testing protocol summarized in the MW05-8C Investigation Work Plan included as an appendix to the RIWP.*

10. **Section 3.8 Groundwater Sampling:** Please include a list of all wells selected for sampling during the quarterly monitoring event and note that sampling of the Lockwood Basin be included as part of the synoptic round of groundwater samples.

***Response:** Section 3.8 has been revised to include a list of wells/Lockwood Basin to be included in quarterly monitoring events.*

11. **Section 4.2 Soil Vapor Sampling Construction:** Given the investigation of potential soil staining and the proximity to neighbors, two additional vapor points should be added to the surface soil sampling area in the southwestern corner of the site property. Please revise.

***Response:** Based on the results of the visual inspection and review of laboratory results of collected surficial soil samples two additional vapor points may be added within the area between the proposed sample locations and the property line if warranted. It should be noted that if ground water is shallower than approximately 5 feet below grade, it may not be possible to install soil vapor points to a sufficient depth to minimize infiltration of atmospheric air into the sample points, as the surface is soil and vegetation, rather than asphalt or concrete. Section 4.2 has been revised to include this potential scenario.*

12. **Section 4.3 Soil Vapor Point Installation:** Please note that the flow rates for collection of soil vapor samples should not exceed 0.2 liters per minute.

Response: *Section 4.3 has been revised to include a statement that the flow rates for collection of soil vapor samples will be limited to no more than 0.2 liters per minute.*

13. **Section 5.6 Community Air Monitoring Program (CAMP):** The CAMP is required for all ground-intrusive activities, not just drilling. The last sentence of this section should be revised to reflect this.

Response: *Section 5.6 has been revised to include implementation of the CAMP during all ground-intrusive activities such as drilling, surficial soil sampling, and soil vapor point installation.*

14. **Section 6.0 Project Schedule and Reporting:** Please submit all validated laboratory data to the DEC Environmental Information Management System via a DEC-standard format electronic data deliverable.

Response: *Section 6.0 has been revised to include this requirement.*

15. **Section 6.0 Project Schedule and Reporting:** One of the primary objectives of the remedial investigation (RI) is the completion of a comprehensive Qualitative Human Health Exposure Assessment (QHHEA) as per DER-10. Please revise this section to include the completion of this assessment.

Response: *The completion of a QHHEA will be necessarily dependent on the delineation of the extent of soil, soil vapor, and groundwater impacts. If such impacts are fully delineated by the completion of the proposed scope of work in this RIWP, the QHHEA will be completed. If such impacts are not fully delineated, a preliminary QHHEA will be prepared for the exposure pathways delineated at the conclusion of this RIWP. Section 6.0 has been revised to include this statement.*

16. **Table 3:** This table lists MW18-14C twice, one being sampled on March 17th (page 113) and another on March 18th, 2020, with identical concentrations for those analytes with positive detections. Please reconcile these samples and other as necessary.

Response: *Table 3 has been revised.*

17. **General:** Please provide the Health and Safety Plan, the CAMP, and Quality Assurance Program Plan as appendices to this work plan.

Response: *The Health and Safety Plan, NYSDOH Generic CAMP, and Quality Assurance Program Plan utilized for previous investigations have been included as examples of the documents which will be produced by the contractor who will be performing the RIWP activities. Final documents will be submitted to the NYSDEC for review prior to commencement of work.*

Lastly, if off-site migration of site-related contamination is suspected during the RI, all downgradient / off-site receptors must be inventoried, and a supplemental work plan developed to delineate this contamination and ascertain any impact to those identified receptors.

Response: Noted.

Please contact me at (845) 486-5641 or jgallo@cenhud.com if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jesse Gallo', with a stylized, overlapping loop structure.

Jesse Gallo
MGP Project Manager

ec: Amen Omorogbe – NYSDEC
Maureen Schuck – NYSDOH
Kristin Kulow – NYSDOH
Wayne Mancroni – Central Hudson
Mark McLean – Central Hudson



REMEDIAL INVESTIGATION WORK PLAN

**Central Hudson Gas & Electric Corporation
Little Britain Road
610 Little Britain Road
New Windsor, New York**

Brownfield Cleanup Program No. C336031

Project Number 20210085

Prepared For:

**Central Hudson Gas & Electric Corporation
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Poughkeepsie, New York 12601**

Prepared By:

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September 2020

A Report Prepared for:

Central Hudson Gas & Electric Corporation
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REMEDIATION INVESTIGATION WORK PLAN

Little Britain Road
610 Little Britain Road
New Windsor, New York

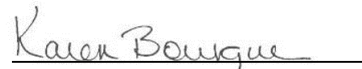
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1.0 INTRODUCTION

1.1 General

In 2019, the New York State Department of Environmental Conservation (NYSDEC) and Central Hudson Gas & Electric Corporation (CHGE) entered into a Brownfield Cleanup Agreement (BCA; Index Number C336031) for the Little Britain Road site located in New Windsor, New York (the Site, **Figure 1**). Prior to the BCA, the Site was registered under the NYSDEC Volunteer Cleanup Program (VCP) as Site V00312. As required by the 2019 BCA, CHGE will conduct a Remedial Investigation (RI) at the Little Britain Road site.

Kleinfelder, Inc. (Kleinfelder) was retained by CHGE to prepare this *Remedial Investigation Work Plan* (RIWP) for the Little Britain Road site. The Remedial Investigation will consist of the following three activities, discussed in the subsequent sections:

- Soil Investigation;
- Groundwater Investigation; and
- Soil Vapor Investigation.

Sections 2 through 4 of this RIWP, respectively, describe the activities to be performed under each investigation. Section 5 of this RIWP describes general field procedures for the RI activities. Section 6 provides the anticipated schedule for completing the RI field work and submitting the RI Report.

This RIWP presents the Site background and defines the field sampling program. The RIWP should be used in conjunction with the Quality Assurance Project Plan (QAPP) presented in Section 5.7 and a Health and Safety Plan (HASP). The QAPP presents the quality assurance/quality control (QA/QC) procedures to be used during implementation of the RIWP, as well as a description of the general field and laboratory procedures. The HASP shall provide a mechanism for establishing safe working conditions at the Site and shall be developed and implemented upon NYSDEC review and approval of this RIWP.

1.2 Data Quality Objectives

The overall objectives of the RI are to 1) evaluate and delineate impacts present in groundwater and soil vapor at the Site; 2) evaluate the potential for offsite migration which may cause significant threats to public health or the environment; and 3) refine the conceptual site model (CSM).

CHGE has developed the following specific objectives for the CSM:

- Inspect and investigate the surficial soil conditions at the property boundary adjacent to 634 Little Britain Road as a result of a comment supplied during the public comment period for the BCA.
- Evaluate groundwater conditions cross gradient and downgradient of the current groundwater monitoring well network to evaluate potential offsite migration of impacted groundwater.
- Investigate the data gap identified for soil vapor conditions on the southern portion of the Site and further delineate soil vapor conditions along the perimeter of the existing building.

The technical approach to address the above objectives is provided in Sections 2 through 4. The remainder of this section describes the Site and its history, the previous investigations performed at the Site, and the Site's geologic setting. Together these form the CSM. The CSM provides a standard means to summarize what is known about the Site and to identify what additional information must be known to characterize the nature and extent of any Site impacts, and, if necessary, the risks posed to receptors (if any).

1.3 Site Description and History

The Site is an approximately 9-acre facility, comprised of three parcels, located at 610 Little Britain Road in the Towns of New Windsor and Newburgh, Orange County, New York (**Figure 1**). The service center building, which houses offices and truck/service bays, is in the center of the facility. The facility also contains truck parking areas, visitor and employee parking areas, and material and equipment storage areas. The Lake Washington Stilling Basin (also referred to as the Lockwood Basin), owned by the City of Newburgh, is located approximately 150 feet west of the service center property/fence line. Further west is the Lake Washington reservoir, which is a potable water source for the City of Newburgh, currently unused. Parking areas at the facility are predominantly paved. Unpaved material storage areas are located around the perimeter of the truck parking area on the north and northwest side of the building. Lawns and landscaped areas exist on the south, east, and northeast sides of the facility. The facility is

served by public water and sanitary sewer, natural gas, and electricity. Water mains for the City of Newburgh from Lake Washington pass under the southern half of the Site.

A wooded area, located between the service center and Lockwood Basin and owned by the City of Newburgh, is included as part of the Site for purposes of this investigation.

Land use near the Site includes the Lockwood Basin to the west, undeveloped wooded areas to the north with residential areas beyond, residential areas to the east, commercial/industrial uses to the south, and commercial/residential areas to the southeast.

CHGE purchased the facility in 1977 and added the eastern employee parking lot in 1978. The previous occupant of the property was J&H Smith Manufacturing Company, which reportedly stored chemicals for manufacturing in the vicinity of the MW18-8E/F (former MW05-8C) monitoring well location. CHGE has and continues to use the property as a service center.

1.3.1 Investigative and Remedial Action Summary

Several investigative and remedial activities have occurred at the Site. The following sections summarize these efforts. Historical analytical data summary tables and figures presenting the location of historical samples are presented in **Appendix A** and **Appendix B**, respectively. Please note that these tables present analytical results of samples pertaining to current site conditions. Pre-excavation and waste classification information is available in the respective historical reports.

A 1996 Preliminary Site Assessment (PSA), prepared by Blasland, Bouck, and Lee (BBL), identified one potential impacted subsurface soil source area of approximately 7,400 square feet in the vicinity of the current monitoring wells MW18-8E and MW18-8F. Analytical results indicated that subsurface soil within this source area, ranging from approximately 4 to 8 feet below ground surface (ft. bgs) was impacted with select volatile organic compounds (VOCs) (trichloroethene [TCE], 1,2-dichloroethene [1,2-DCE], toluene, and xylenes) above NYSDEC soil cleanup objectives. A total of eight groundwater monitoring wells were installed as part of the PSA activities. Three overburden monitoring wells (MW94-2, MW94-3, and MW94-5) and three bedrock monitoring wells (MW94-1B, MW94-2B, and MW94-4B2) were installed between July and August 1995, and one overburden well (MW96-6) and one bedrock well (MW96-7B) were installed in July 1996. Elevated concentrations of select VOCs (cis-1,2-dichloroethene [cis-1,2-DCE] and TCE) and inorganics (calcium, magnesium, and sodium) were detected during the groundwater sampling activities conducted as part of the 1996 PSA.

In August 1999, CHGE entered into the NYSDEC's VCP as Site No. V00312 to address the source of contamination. In March and April 2001, CHGE conducted an excavation of impacted soils from the area identified during the 1996 PSA, as presented in a 2001 Final Engineering Report (FER) prepared by BBL. A total of 3,090 tons of impacted soil were excavated and disposed of offsite at an approved facility. The excavation generally reached depths of 8 ft. bgs, with a maximum depth of 15 ft. bgs. A total of approximately 186,000 gallons of wastewater was generated during dewatering of the excavation and was transported offsite for treatment at an approved facility. VOCs were not detected in any of the post-excavation soil samples at concentrations above NYSDEC Technical Administration Guidance Memorandum (TAGM) #4046 Recommended Soil Cleanup Objectives. The excavation was backfilled with clean fill. Two monitoring wells were installed adjacent to the excavation: one overburden well (MW01-8A) and one bedrock well (MW01-8B) in May 2001. Post excavation groundwater sampling activities were conducted in June 2001, which encompassed sampling four of the eight previously installed wells (MW94-1B, MW94-5, MW96-6, and MW96-7B) and the two newly installed wells (MW01-8A and MW01-8B). Select VOCs (1,2-dichloroethane [1,1-DCA], cis-1,2-DCE, trans-1,2-dichloroethene [trans-1,2-DCE], toluene, TCE, and vinyl chloride) were detected during the groundwater sampling event.

Subsequent groundwater monitoring events were conducted between 2001 and 2008 by BBL/ Arcadis BBL. Groundwater samples collected during these events exhibited elevated concentrations of contaminants of concern, including select VOCs such as 1,1-DCA, cis-1,2-DCE, TCE, and vinyl chloride, in excess of applicable standards. Higher concentrations of VOCs were generally detected in samples collected from the bedrock monitoring wells. In an effort to further evaluate these bedrock exceedances, an additional deep bedrock well (MW05-8C) was installed in 2005. Elevated concentrations of select VOCs were observed within the subsequent samples collected from well MW05-8C, including cis-1,2-DCE, toluene, TCE, and vinyl chloride, in excess of applicable standards. Three additional bedrock groundwater monitoring wells (MW06-2C, MW06-4C, and MW06-9C) were installed in 2006 to further evaluate groundwater conditions in bedrock. Subsequent groundwater monitoring events completed from 2006 to 2008 presented elevated concentrations of targeted VOCs (cis-1,2-DCE, toluene, and TCE) in samples collected from wells MW06-2C, MW06-4C, and MW06-9C.

A Preliminary Supplemental Soil Vapor Intrusion Study was performed by Precision Environmental Services, Inc. in 2008 to evaluate the sub-slab soil vapor conditions. Elevated concentrations of VOCs (1,1-DCE, 1,1-DCA, cis-1,2-DCE, 1,2-DCA, 1,1,1-TCA, TCE, and PCE) were detected within the sub-slab vapor samples collected in March and July of 2008, at levels warranting mitigation based upon the 2006 NYSDOH Soil Vapor/Indoor Air Matrices. In November 2008, CHGE installed a sub-slab depressurization system (SSDS) within the facility building which continues to operate.

In 2018, additional investigation activities were conducted in accordance with the approved MW05-8C Investigation Work Plan prepared by Arcadis. These activities, implemented by Kleinfelder between 2018 and 2019, were presented by Kleinfelder in the February 2019 Subsurface Investigation Report (SIR). Activities performed as part of the 2019 investigation included the installation of an additional 17 groundwater monitoring wells (13 bedrock monitoring wells and four overburden wells) and the deepening and conversion of bedrock well MW05-8C to a nested pair of monitoring wells, MW18-8E and MW18-8F.

CHGE continues to conduct quarterly groundwater sampling events of the current monitoring well network. The most recent sampling event, conducted in March 2020, identified elevated concentrations of 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), 1,1,1-Trichloroethane (1,1,1-TCA), acetone, benzene, chloroform, cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), TCE, and vinyl chloride above of applicable NYSDEC groundwater quality standards. Concentrations were highest in samples collected from the bedrock monitoring well MW18-14C, which was installed adjacent to the former contaminated soil source area. The current network of groundwater monitoring wells is presented in **Figure 3**.

With the discontinuance of NYSDEC's VCP, CHGE executed a BCA with the NYSDEC in 2019 to enter into the Brownfield Cleanup Program (BCP No. C336031). This RIWP has been prepared in accordance with the BCA to address potential issues of major public concern, as presented in the Citizen Participation Plan (CPP), prepared by Kleinfelder in 2020.

1.4 Geologic and Hydrogeologic Setting

Based on previous investigations, the Site overburden geology consists of glacial till material with sand and gravel/boulders in a silty clay matrix above the bedrock. Fill material was also present as overburden, as observed at the MW18-14A monitoring well location. These fill materials were primarily sand and silt with a high boulder content. Site bedrock consists of grey dolostone, mapped as dolostone of the Wappinger Group (Rickard *et al*, 1970). The top of bedrock surface ranges at the Site from 3 ft. bgs (as observed at MW96-7B) to 59 ft. bgs (as observed at former well location MW06-4C). Estimated top of bedrock elevation ranges from 241 feet above mean sea level (ft. amsl) (MW94-2B) to 293.5 ft. amsl (MW94-3). The top surface of the bedrock exhibited weathering during historical well installations.

Overall regional groundwater flow is east towards the Hudson River. At the Site, depth to groundwater in unconsolidated material is approximately 3 to 11 ft. bgs. Based on current and historical groundwater gauging data evaluated, groundwater flow direction in the overburden at the Site was determined to be to the east. Groundwater flow within competent bedrock is more complex and is controlled by the elevation, aperture, and hydraulic head in individual fractures. As a result of these factors, a groundwater flow direction in the bedrock aquifer beneath the Site could not be determined at this time.

A review of bedrock geologic maps of the area indicates that there are several north/south-trending thrust and normal faults in the nearby vicinity, and that the Site is located on a “block” of dolomite of the Wappinger Group that has been thrust up through the overlying Normanskill Formation (shale, argillite, siltstone) through movement on these thrust faults. One thrust fault runs along Little Britain Road adjacent to the Site; its sister fault on the opposite side of the “block” is located on the other side of Lake Washington. Another major north/south-trending thrust and normal fault couplet exists between the Site and the Hudson River. These faults define the orientation of structural features in the regional bedrock, and the bedrock likely has secondary fault-aligned structural features influencing the structure of the bedrock at the Site.

2.0 SURFICIAL SOIL INVESTIGATION

2.1 Surficial Soil Investigation Objectives

During the public comment period for the BCA, a comment was received by the NYSDEC from the property owner of the adjacent property located at 634 Little Britain Road. The comment stated that soil staining was observed on CHGE property adjacent to the neighboring parcel. To fully characterize Site conditions, the reported surficial soil staining will be investigated as part of this RIWP.

2.2 Visual Inspection and Surficial Soil Sampling

The investigation will consist of a visual inspection of the surficial soils at the property boundary between the Site and 634 Little Britain Road. Soil screening will be conducted with a calibrated photoionization detector (PID) and up to four surficial soil samples will be collected. Surficial soil samples will be collected from the 0 to 2-inch depth interval below the vegetative cover. Soil samples will be analyzed for the following: TAL metals, per-and-polyfluoroalkyl substances (PFAS), polychlorinated biphenyls (PCBs), pesticides, target compound list (TCL) VOCs, and TCL semi-volatile organic compounds (SVOCS). The area of the proposed surficial soil inspection is shown on **Figure 2**. Final sample locations will be based upon the visual inspection and soil screening activities, as soil sampling locations will be biased towards areas exhibiting the strongest evidence of impacts. If no evidence of impacts is observed during the inspection (visual presence of contamination and/ or elevated PID readings), the four samples will be obtained and analyzed along the associated property boundary. All samples collected for VOC analysis will be taken below the 2-inch interval from undisturbed in-situ soils using a method that minimizes loss of volatiles (e.g. EnCore, TerraCore, or equivalent).

The laboratory procedures will be in accordance with the latest NYSDEC Analytical Services Protocol (ASP) methods, QA/QC requirements, and Category B reporting deliverables. An Environmental Laboratory Approval Program (ELAP)-approved laboratory will be used to analyze the soil samples. All laboratory data will be validated using the most recent versions of the United States Environmental Protection Agency (USEPA) functional guidelines for data validation with NYSDEC ASP QA/QC and Category B reporting deliverable requirements as guidance, where appropriate. The validation will also include the preparation of a NYSDEC data usability report of the analytical data.

3.0 GROUNDWATER INVESTIGATION

3.1 Groundwater Investigation Objectives

To further delineate groundwater conditions observed at the Site, the installation of nine additional monitoring wells is proposed. One location is proposed in the area of the former excavation and is proposed to be screened between elevation 70 and 90 ft amsl (starting approximately 20 feet deeper than the bottom of the screened interval of monitoring well MW18-14C which is approximately 110 ft. amsl). Four additional locations are proposed to be screened between elevation 100 and 150 ft. amsl (dependent on the location of water-bearing fractures) in order to laterally delineate impacts detected at monitoring wells MW-18-11C, MW-18-12C, MW-18-13C, and MW-18-14C. Collocated locations screened between 200 and 270 ft. amsl are also proposed at three of the locations. One additional location is proposed approximately 100 feet west of MW-18-10C and MW-18-11C, adjacent to Lockwood Basin, to an elevation of approximately 108 ft amsl, to delineate chlorinated VOCs and evaluate potential migration of emerging contaminants between Washington Lake and the Site. The final location adjacent to the Lockwood Basin will be determined based upon acquisition of an access agreement with the City of Newburgh, as well as with the consideration of the geotechnical characteristics of the basin shoreline. No additional locations screened above 270 ft. amsl are proposed. Proposed locations are depicted on **Figure 3**, and the location, description, and rationale of each point is listed below. Groundwater monitoring well installation activities will be implemented consistent with prior similar activities as described below. Nomenclature of newly installed monitoring wells will follow the naming schematic of the current well network; wells installed as part of the RI activities will be identified as “MW20-“and numbered sequentially. The following table summarizes the proposed well details.

Table 1. Proposed Monitoring Well Specifications

Proposed Well	Location	Anticipated Top of Screen Elevation		Purpose
A	Approximately 260 feet north of MW-18-14B	200-250 ft. amsl	45-95 ft bgs	Delineation of intermediate bedrock impacts to north
B	Approximately 260 feet north of MW-18-14B	100-150 ft. amsl	145-195 ft bgs	Delineation of deep bedrock impacts to north
C	Adjacent to MW06-9C	100-150 ft. amsl	163-213 ft bgs	Delineation of deep bedrock impacts to east
D	Approximately 130 feet south of MW06-2C	200-250 ft. amsl	49-99 ft bgs	Delineation of intermediate bedrock impacts to southeast
E	Approximately 130 feet south of MW06-2C	100-150 ft. amsl	149-199 ft bgs	Delineation of deep bedrock impacts to southeast
F	Adjacent to MW-94-5	200-250 ft. amsl	48-98 ft bgs	Delineation of intermediate bedrock impacts to south
G	Adjacent to MW-94-5	100-150 ft. amsl	148-198 ft bgs	Delineation of deep bedrock impacts to south
H	Approximately 50 feet north of MW-18-8E	70-90 ft amsl	204-224 ft bgs	Vertical delineation of impacts beneath former excavation, below screened intervals of MW-18-8F, -12C, -13C, and -14C
I	Approximately 100 feet west of MW-18-10C	108-118 ft amsl	175-185 ft bgs	Delineation of chlorinated VOCs and evaluation of emerging contaminant migration between Washington Lake and the Site

Notes:

- ft bgs assumes surface elevation of nearest referenced well.

3.2 Overburden Drilling

Based on results from previous site assessment activities, sonic, fluid rotary, or dual rotary drilling may be appropriate for this site. If necessary, as with fluid rotary drilling, hollow-stem auger drilling will be used to drill through the overburden and three feet into apparent competent bedrock. Regardless of method, a bit or barrel of sufficient size to emplace 6-inch steel casing will be used to advance to the top of the planned screened interval in accordance with the table above (250 ft. amsl). The nominal 6-inch steel casing will be set and grouted. Advancement through the grout will be completed to the applicable terminal depth as presented in the table

above (100 ft. amsl or 70 ft. amsl for deep boring). Geophysical logging and monitoring well construction will be implemented as described below.

While impacts are not anticipated above bedrock, recovered soil encountered during the overburden drilling will be visually characterized for color, texture, moisture content, and obvious impacts and screened with a PID. The presence of visible staining, sheens, and odors encountered in the soil will be noted. Although this investigation does not anticipate collecting soil samples for laboratory analysis, soil samples will be collected for analysis of TCL VOCs via USEPA Method 8260 and TCL SVOCs via USEPA Method 8270 if impacts are observed. In the event that evidence of impact and groundwater are observed in the overburden, an overburden well will be installed, and an offset made to allow the installation of the proposed bedrock-screened intervals.

3.3 Bedrock Drilling

Bedrock borings will be advanced through the overburden and into competent bedrock using the HSA drilling methods described in Section 3.2. Once competent bedrock is encountered the augers will be advanced an additional 3 feet to create a rock socket. If auger refusal is encountered, then fluid rotary employing a 7 7/8-inch roller bit will be used to drill the socket. Once the rock socket is drilled, a 6-inch permanent black steel casing will be installed to the bottom of the 3-foot socket. Next, the 6-inch casing will be grouted in place from the bottom up using a cement-bentonite grout and tremie pipe as the augers are withdrawn from the borehole.

After the grout has cured a minimum of 24 hours, the bedrock borehole will be drilled using 5 7/8-inch air rotary to a depth as defined in the above table. Rock chips evacuated from the borehole during drilling will be described for lithology and visual impacts and screened for total VOCs using a PID. If a sheen or elevated PID readings (greater than 100 ppm) are observed in the return water/rock chips, then a sample of the recovered rock chips will be screened for the presence of NAPL using a hydrophobic dye. The rate of penetration and qualitative observations regarding water production will be recorded during bedrock drilling.

3.4 Geophysical Logging

Once bedrock has been drilled to the target screen depths as described above, down-hole geophysical logging will be performed at each of the eight new open bedrock borehole locations. The geophysical logging will include:

Table 2. Geophysical Logging Parameters

Tool	Description/ Use
Fluid temperature	Measures the temperature of water in the borehole with depth. Changes in temperature can indicate intervals where groundwater may be entering or exiting the borehole.
Fluid resistivity	Measures the electrical resistivity of water in the borehole with depth. Changes in resistivity can indicate intervals where groundwater may be entering or exiting the borehole.
Caliper	Records the borehole diameter. Changes in borehole diameter can be related to fracturing or caving along the borehole wall.
Natural gamma	Records the amount of natural gamma radiation emitted by the rocks surrounding the borehole. Can identify changes in lithology. For example, it may distinguish between Dolomite and shale beds.
Single-point resistance	Records the electrical resistance from points within the borehole to an electrical ground at land surface. Can determine lithology, water quality, and location of fracture zones.
Acoustic televiewer	Records a magnetically oriented image of the borehole wall based on acoustic reflectivity. Televiewer logs indicate the location and strike and dip of fractures and lithologic contacts.
Optical televiewer	Provides a color image of the borehole used to view lithology, fracture characteristics, degree of weathering, impacts (e.g., NAPL), and iron staining.
Pumping and static heat-pulse flowmeter	Records flow rates in the borehole and gives the direction of fluid flow vertically. Static and pumping tests will be completed. During pumping tests, flow rate and drawdown will be measured.

It is anticipated that the geophysical logging will commence no less than three business days after all boreholes have been drilled to their final anticipated depth. Geophysical logging will be useful for understanding the hydraulic and physical properties of the bedrock. Results from the geophysical logging will be used to identify intervals at each bedrock borehole location for initial groundwater sample collection and screening analysis. Heat-pulse flowmeter surveying will be conducted under pumping and static conditions. During the pumping phase, water will be withdrawn from the borehole at approximately 0.5-1.0 gallons per minute (gpm). The flow rate and drawdown will be measured. Identification of hydraulically active fractures will be performed using the FLASH (Flow-Log Analysis of Single Holes) model (Day-Lewis, F.D., *et al.* 2011, doi: 10.1111/j.1745-6584.2011.00798.x) in conjunction with the other survey results to determine the fraction of total borehole transmissivity contributed by each tested section of borehole. Sections with the greatest apparent transmissivity or indications of impacted detected during drilling will be sampled as described below.

3.5 Initial Groundwater Sampling

Hydraulically active intervals, or intervals identified during drilling as potentially impacted, and/or the bottom 10-foot section of the borehole will be sampled via no-purge methodology using Hydrasleeve® passive samplers (or equivalent technology). The sampler(s) will be deployed at all boreholes and samples will be collected the same day as deployment. Collected groundwater will be bottled and submitted to the certified laboratory for analysis of VOCs using USEPA Method 8260C on a three-day turnaround time.

Hydraulically active intervals will be identified in the following manner; heat pulse flowmeter (HPFM) reading will be acquired in the open borehole under static and pumping conditions, using Flow-Logging at Single Boreholes (FLASH), and given vertical flow profiles collected under both ambient and stressed (pumping or injection) conditions, the user can estimate fracture (or layer) transmissivities and far-field hydraulic heads. Hydraulically active intervals will be those which exhibit flows under static or pumping conditions.

Multiple passive samplers (Hydrasleeve™ or equivalent) will be used in each borehole, deployed at hydraulically active intervals as defined above. It is anticipated that the borehole would be open less than seven days before screened intervals can be designed and installed.

If no hydraulically active intervals are identified using HPFM and FLASH modeling, packer testing may be considered warranted as an alternative. Packer testing and sampling may be performed to both further clarify hydraulically active intervals and to collect additional groundwater analytical samples for the determination of vertical distribution of VOCs. If packer testing is determined to be warranted, associated activities will be performed in accordance with section 2.4 of the previously approved MW05-8C Investigation Work Plan (Arcadis, 2018) presented in **Appendix C**.

Groundwater and surface water sampling and analytical methodologies are discussed in Section 3.8 below.

3.6 Monitoring Well Construction

The results of the various tests (geophysical, analytical) and drilling observations will be evaluated to determine appropriate intervals to install permanent bedrock monitoring well screens. CHGE will notify the NYSDEC regarding permanent monitoring well construction details prior to installing wells.

As discussed in Section 3.3, the borehole at each new well location will be drilled using 5 7/8-inch air rotary tooling, which results in a nominal 6-inch diameter borehole. A borehole of this diameter allows the flexibility of installing up to two permanent PVC monitoring wells within the same borehole.

The clusters at the new locations will be constructed using two 2-inch diameter, Schedule 40 PVC monitoring wells and Morie #0 or equivalent sand packs. All bedrock monitoring wells will be constructed using 0.010-inch slot PVC screens with a maximum length of 10 to 20 feet; however, the final screen length will be determined based on review of the downhole geophysical and passive sampler data. The annulus between the well screens will be filled with 2 feet of sand above the lower screen followed by bentonite above the sand, and finally 2 feet of sand below the upper well screen. The sand above the bentonite will help to keep the bentonite from swelling into the upper screen once it is hydrated.

All monitoring wells will be completed at the surface with protective stickup or flush-mount well protectors.

3.7 Monitoring Well Development

Monitoring wells will be developed following installation to remove fine material that may have settled in the well, remove any drilling fluids that were used during well installation, and to enhance the hydraulic communication with the surrounding formation. Monitoring wells will be allowed to set for at least two days following installation to allow the grout to cure before developing the well. Wells will be developed by surging and purging the entire screened interval at each location. The monitoring wells will be considered properly developed when a minimum of three well volumes of water have been removed or until a monitoring well has been pumped dry after surging.

3.8 Groundwater Sampling

All wells currently onsite (as listed below), wells proposed to be installed under this field investigation program, and a surface sample collected from the Lockwood Basin will be sampled as part of the subsequent scheduled quarterly groundwater monitoring event via low flow or passive sampler methodology. Collected groundwater/surface water will be bottled and submitted to the certified laboratory for analysis of VOCs using USEPA Method 8260C.

Additionally, upon the completion of the monitoring well installations but prior to the quarterly groundwater monitoring event discussed above, CHGE and the NYSDEC will select appropriate monitoring well locations to undergo sample collection and analysis for local emerging contaminants (PFAS and 1,4-dioxane).

MW01-8B	MW18-12A	MW18-8E
MW06-2C	MW18-12B	MW18-8F
MW06-9C	MW18-12C	MW94-1B
MW18-10A	MW18-13B	MW94-2B
MW18-10B	MW18-13C	MW94-3
MW18-10C	MW18-14A	MW94-5
MW18-11A	MW18-14B	MW96-6
MW18-11B	MW18-14C	MW96-7B
MW18-11C	MW18-8D	

4.0 SOIL VAPOR INVESTIGATION

4.1 Soil Vapor Investigation Objectives

The objective of the soil vapor investigation is to close the current data gap which exists due to the lack of soil vapor data pertaining to the front of the property closest to Little Britain Road (the southern portion of the Site) and further delineate soil vapor conditions along the perimeter of the existing building.

4.2 Soil Vapor Sampling Point Construction

A total of ten soil vapor borings are proposed to be advanced across the extent of the facility, as presented in **Figure 4**. The exact location of the vapor points will be based on an evaluation of local utilities marked out during subsurface utility clearance activities. Vapor points in proximity of the current building will be advanced approximately seven (7) feet from the building's foundation.

The soil vapor borings will be installed as temporary sampling points. Each soil vapor boring will be advanced using a soft dig methodology (air knife with vacuum excavation or equivalent). Once the boring is advanced to a termination depth of approximately 5 ft. bgs, the vapor sampling implant (a 6-inch long stainless-steel mesh screen) and tubing will be installed. Clean well sand will be gravity fed to at least 4 to 6 inches above the top of the implant. Either fine bentonite chips that will be hydrated using tubing (to avoid wetting the inside of the sampling implant) or a grout slurry using a grout pump and tremie piping will be applied above the sand. Once grout has set, sampling activities will be completed as described in Section 4.2. Once sampling activities are complete, sampling implants will be removed, borings will be backfilled with clean fill or native soils, and surfaces will be completed to match the surrounding areas.

Each soil vapor point will be installed in its own borehole. The target vertical sampling depth is 6 ft. bgs.

Based on the results of the visual inspection and review of laboratory results of collected surficial soil samples described in Section 2.2, two additional soil vapor points may be added within the area between the proposed sample locations and the property line, if determined to be warranted. It should be noted that if ground water is shallower than approximately 5 feet below grade, it may not be possible to install soil vapor points to a sufficient depth to minimize

infiltration of atmospheric air into the sample points, as the surface is soil and vegetation, rather than asphalt or concrete.

4.3 Soil Vapor Point Installation

Up to 10 soil vapor samples will be collected at the Site to evaluate current soil vapor conditions and address the identified data gap. Based on the historical soil vapor investigations previously performed at the Site, potential soil vapor sampling locations include but are not limited to:

- Around the southern perimeter of the existing building;
- Beneath the visitors parking lot located between the southern boundary of the building and the southern property boundary; and
- Targeted points around the north, west, and eastern perimeter of the existing building to evaluate current conditions.

The subsurface soil vapor sampling points will be installed as temporary sampling points and each sample will be collected over an approximate 2-hour sample interval. Each sample will be collected using a 6-liter SUMMA canister with an attached pre-set flow regulator. The laboratory will provide batch certified-clean canisters with an initial vacuum of approximately 30 inches of mercury (in. of Hg) for sample collection. Flow regulators will be pre-set by the laboratory to provide uniform sample collection over an approximate 2-hour sampling period. The flow rates for collection of soil vapor samples will be limited to no more than 0.2 liters per minute. The valve on the SUMMA canister will be closed when approximately 2 to 7 inches of mercury (in of Hg) vacuum remains in the canister, leaving a vacuum in the canister as a means for the laboratory to verify the canister does not leak while in transit.

A tracer gas will be used to assess the potential for leakage of surface air along the sampling tools to the sampling point or into the sampling train during subsurface sampling. For this investigation, helium will be the tracer gas and a field instrument will be used to verify the vapor phase seal. The samples will be identified, handled, packaged, and shipped using standard chain- of-custody procedures. Samples will be analyzed in accordance with the USEPA Method TO-15 for VOCs.

The laboratory procedures will be in accordance with the latest NYSDEC ASP methods, QA/QC requirements, and Category B reporting deliverables. An ELAP- approved laboratory will be used for the soil vapor analyses. All laboratory data will be validated using the most recent versions of the USEPA functional guidelines for data validation with NYSDEC ASP QA/QC and Category B reporting deliverable requirements as guidance, where appropriate. The validation will also include the preparation of a NYSDEC data usability report of the analytical data.

In the event that elevated soil vapor concentrations, as determined by PID screening, are observed as part of this investigation, overburden wells may be proposed at the associated soil vapor sampling location in accordance with the installation protocol outlined above in Section 3.2 to evaluate groundwater conditions as a potential source for soil vapor impacts.

5.0 GENERAL FIELD PROCEDURES

5.1 Utility Clearance

Prior to intrusive activities, including the installation of monitoring wells and installation of soil vapor points, Dig Safely New York will be contacted to locate and mark out all subsurface utilities present within the work areas. All discussions with utility companies via telephone conversations or field meetings will be documented. All field personnel will be notified of the utilities that are present and the dangers associated with working near such utilities. A Site visit will also be conducted with other utility companies, if necessary. Additionally, areas related to proposed intrusive activities will be surveyed by a licensed New York State private geophysical utility locator prior to the implementation of activities. Coordination with the City of Newburgh may be necessary to facilitate the installation of sampling locations within the Newburgh pipeline right-of-way.

5.2 Decontamination

All equipment will be decontaminated. In general, all non-disposable equipment, drilling tools and groundwater-sampling equipment, will be decontaminated via a three-part rinse utilizing Alconox (or equivalent) prior to first use onsite, between each investigation location, and prior to demobilization.

5.3 Waste Handling

All investigation-derived waste (IDW) will be contained on-site in a secure area for appropriate characterization and disposal by CHGE. Soil cuttings, personal protective equipment, and spent disposable sampling materials will be segregated by waste type and placed in DOT-approved 55-gallon steel drums or covered roll-offs. All decontamination water, purged groundwater, and drilling water will be stored in 55-gallon drums, polyethylene tanks, or fractionation tanks as necessary. Field staff will maintain an inventory of all waste storage vessels. All storage vessels will be appropriately labeled with the contents, generator, location, and date.

5.4 Survey

While completing the field work, field personnel will mark all investigation locations. A licensed New York State surveyor will then survey the marked locations. For each soil boring and soil vapor point, the surveyor will determine its location and the ground surface elevation. For each monitoring well, the top of the inner casings and ground surface at each new and existing well

will be marked and surveyed to the nearest 0.01 foot, and the elevation will be determined relative to North American Vertical Datum of 1988 (NAVD 88) and North American Datum (NAD 83). The measuring point on all wells will be marked on the innermost well casing.

5.5 Health and Safety

Upon regulatory approval of this RIWP, a site-specific Health and Safety Plan (HASP) will be developed by the contractor awarded the implementation of the RI activities outlined above. The HASP shall present the health and safety procedures, methods, and requirements that will apply to field personnel during implementation of the field work. Field activities will be conducted using Modified Level C personal protective equipment (PPE). All onsite project personnel who work in areas where they may be exposed to site contaminants will be trained as required by Occupational Safety and Health Administration (OSHA) Regulation 29 CFR 1910.120 (HAZWOPER). An example of a Site-Specific HASP used during 2018 activities is provided in **Appendix D**.

5.6 Community Air Monitoring Program (CAMP)

Air monitoring will be conducted during all ground-intrusive activities, including drilling, surficial soil sampling, and soil vapor point installation activities, in accordance with the New York State Department of Health's (NYSDOH's) Generic Community Air Monitoring Plan (CAMP), provided in Appendix 1A of NYSDEC's DER-10 (provided in **Appendix D**). One upwind and one downwind air monitoring station will be required during drilling for fugitive dust and VOC monitoring.

5.7 Quality Assurance Program Plan (QAPP)

The goal of this investigation is to delineation dissolved phase impacts to the property boundaries, to evaluate potential surficial soil impacts in the southwest corner of the property, and to evaluate potential sitewide soil vapor impacts. A stand alone QAPP will be prepared by the selected environmental consultant and submitted for regulatory review upon award of the project by CHGE. It is assumed that the stand alone QAPP will include the following, at a minimum.

Based on this RIWP, the following scope of work is proposed:

- A minimum of 4 surficial soil samples to investigate a report of surficial staining in the area presented on **Figure 2**. Final sample locations will be based on visual, olfactory, or PID indications of impacts are observed. If no impacts are observed, the 4 samples will be collected along property boundary within investigation area.
- Installation of 9 groundwater monitoring wells to further delineate the bedrock aquifers cross gradient and downgradient as presented on **Figure 3**.
 - Newly installed groundwater monitoring wells will be sampled as part of the subsequent quarterly groundwater sampling event after installation. Groundwater sampling activities will be completed under the directive of that sampling event.
- 10 soil vapor samples throughout the parking areas to further evaluate the current soil vapor conditions presented on **Figure 4**.

Kleinfelder has established a project team for the implementation of the activities discussed in this RIWP. Names, contact information, and roles of the principal personnel (including specific responsibilities for the project organization for this RI) are presented in **Appendix E**. Upon award of the work by CHGE, resumes of the selected project team can be provided.

The data quality usability objectives are as follows;

- 1) Determine whether the area of dissolved phase impacts have been delineated to state standards in groundwater;
- 2) Establish the presence or absence of impacts at or above state standards in surficial soils located near the southwest property boundary
- 3) Establish the presence or absence of impacts at or above state standards within soil vapor present below the paved areas of the site

During field activities, field personnel will take appropriate measures such that contamination of clean, decontaminated equipment will not occur. Field personnel will wear clean, disposable gloves when handling any laboratory-certified clean sampling equipment, glassware, and/ or SUMMA canisters. All drilling equipment and non-disposable sampling tools will be decontaminated via a three-part rinse utilizing Alconox (or equivalent) between sample locations. Sampling equipment used for air sampling will be calibrated by the laboratory prior to use and checked according to the manufacturer's specifications and method requirements. Field screening equipment will be calibrated by the field personnel, and the calibrations documented in the field log and on appropriate field forms, if applicable.

Sampling methods, sample preservation requirements, sample holding times, frequency for field blanks (FBs), field duplicates, matrix spike/ matrix spike duplicates (MS/MSDs), and trip blanks (TBs) are presented in **Table 3**. Results from analysis of soils and sediments will be reported on a dry-weight basis, except for those results required by the method to be otherwise reported. Soil vapor/sub-slab vapor sampling activities will be conducted in accordance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006). Soil vapor field duplicates will be collected at a frequency of one per event.

Table 3. Analytical Methods/ Quality Assurance Summary Table

Matrix Type	No. of Samples	No. of FBs/ TBs	Analytical Parameters	Analytical Method	MS/MSD needed?	Duplicate Frequency	Sample Container & Preservation (Per Sample)	Hold Time
Groundwater	20*	1 per day	VOCs	8260C	1 per event	1 per 20	2 x VOA/ HCl	14-day
Surficial Soil	4*	N/A	VOCs	8260C	N/A	1 per event	2 x EnCore ⁺	14-day
Soil Vapor	10	N/A	VOCs	TO-15	N/A	1 per event	1 x SUMMA	14-day

* Final number of groundwater samples will be determined based on drilling/ downhole geophysics

* Final number of surficial soil samples will be determined based on field observations; 4 samples minimum

⁺: En Core Sampler or equivalent

TBD: To Be Determined

N/A: Not Applicable

VOCs: Volatile Organic Compounds

HCl: hydrochloric acid

Soil and groundwater samples will be placed into coolers containing ice immediately after sampling and kept at temperatures less than 6 degrees Celsius. All samples collected will be submitted to an ELAP- approved laboratory for analysis as discussed in Sections 2.2 and 4.3. Laboratory procedures will be in accordance with the latest NYSDEC ASP methods, QA/QC requirements specified in the applicable approved analytical methods, and Category B reporting deliverables. All analytical data generated during RI activities will undergo full Tier III data validation. Data Usability Summary Reports (DUSRs) will be prepared in accordance with requirements discussed in NYSDEC's DER-10 Technical Guidance for Site Investigation and Remediation, dated May 3, 2010. Analytical results will be submitted to the NYSDEC in the most recent version of the EQulS electronic data deliverable (EDD) format. Raw analytical data will also be provided to the NYSDEC in electronic format.

A glossary of QA/QC terms and definitions is presented in **Appendix F**.

An example of a Site-Specific QAPP used during 2020 Vapor Investigation activities is provided in **Appendix D**.

6.0 PROJECT SCHEDULE AND REPORTING

Weather and access permitting, field activities are anticipated to commence in third quarter of 2020 following receipt of written approval of this RIWP from the NYSDEC.

Once activities are complete, all validated laboratory data will be submitted to the NYSDEC Environmental Information Management System (EIMS) via a DEC-standard format electronic data deliverable (EDD). A data summary report will be prepared following completion of the field activities and preparation of the DUSR(s). It is anticipated that the report will discuss the following general topics:

- Site and project background;
- Physical characteristics of the Site;
- Field activities completed;
- Methodologies used to complete the field activities;
- Findings of the field activities;
- Understanding of the conceptual site model, including the geologic and hydrogeologic conditions at the Site;
- Understanding of the distribution of VOCs in groundwater; and
- Recommendations for further investigations, if warranted.

The text of the report will be supported by subsurface logs, down-hole geophysical logs, analytical data summary tables, and figures illustrating site-specific data. The data summary report will be submitted to the NYSDEC for review and approval after the field program is completed.

The completion of a comprehensive Qualitative Human Health Exposure Assessment (QHHEA) will be necessarily dependent on the delineation of the extent of soil, soil vapor, and groundwater impacts. If such impacts are fully delineated by the completion of the proposed scope of work in this RIWP, the QHHEA will be completed. If such impacts are not fully delineated, a preliminary QHHEA will be prepared for the exposure pathways delineated at the conclusion of this RIWP.

7.0 LIMITATIONS

Kleinfelder states that the services performed are consistent with professional standard of care defined as that level of services provided by similar professionals under like circumstances. This work plan is based on the regulatory standards in effect on the date of the report. It has been produced for the primary benefit of Central Hudson Gas and Electric Corporation and its affiliates.

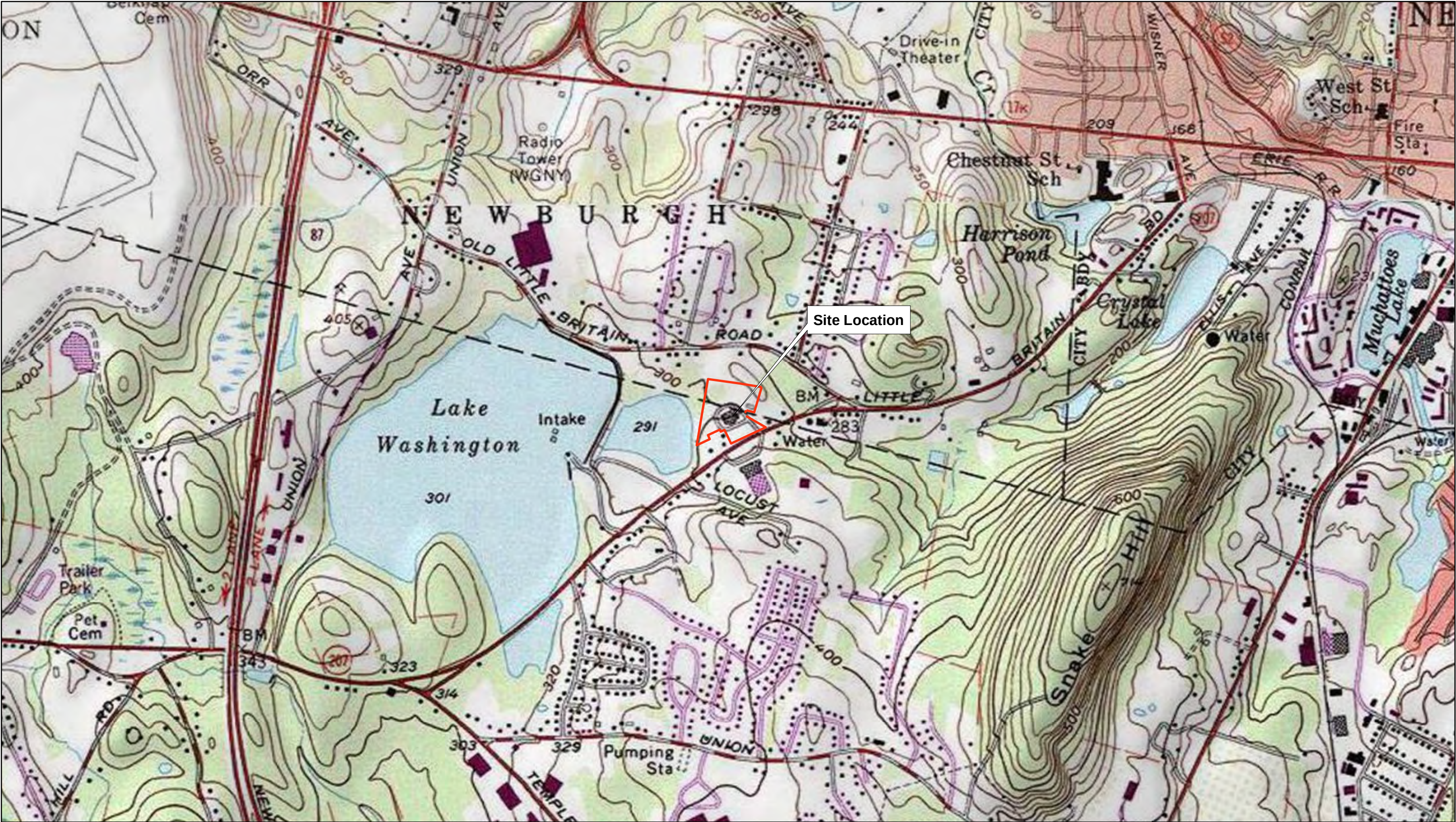
8.0 REFERENCES

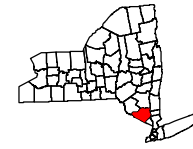
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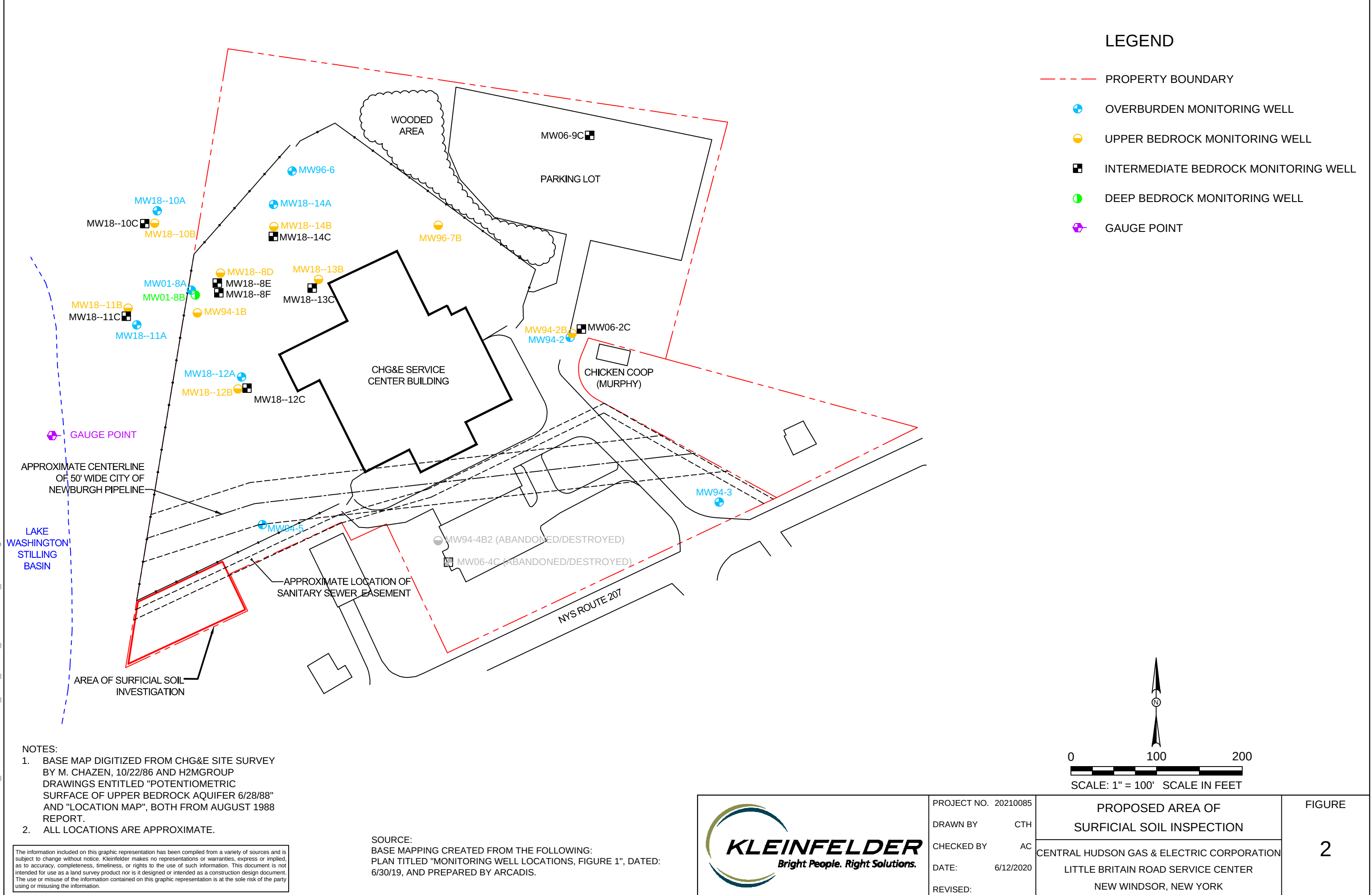
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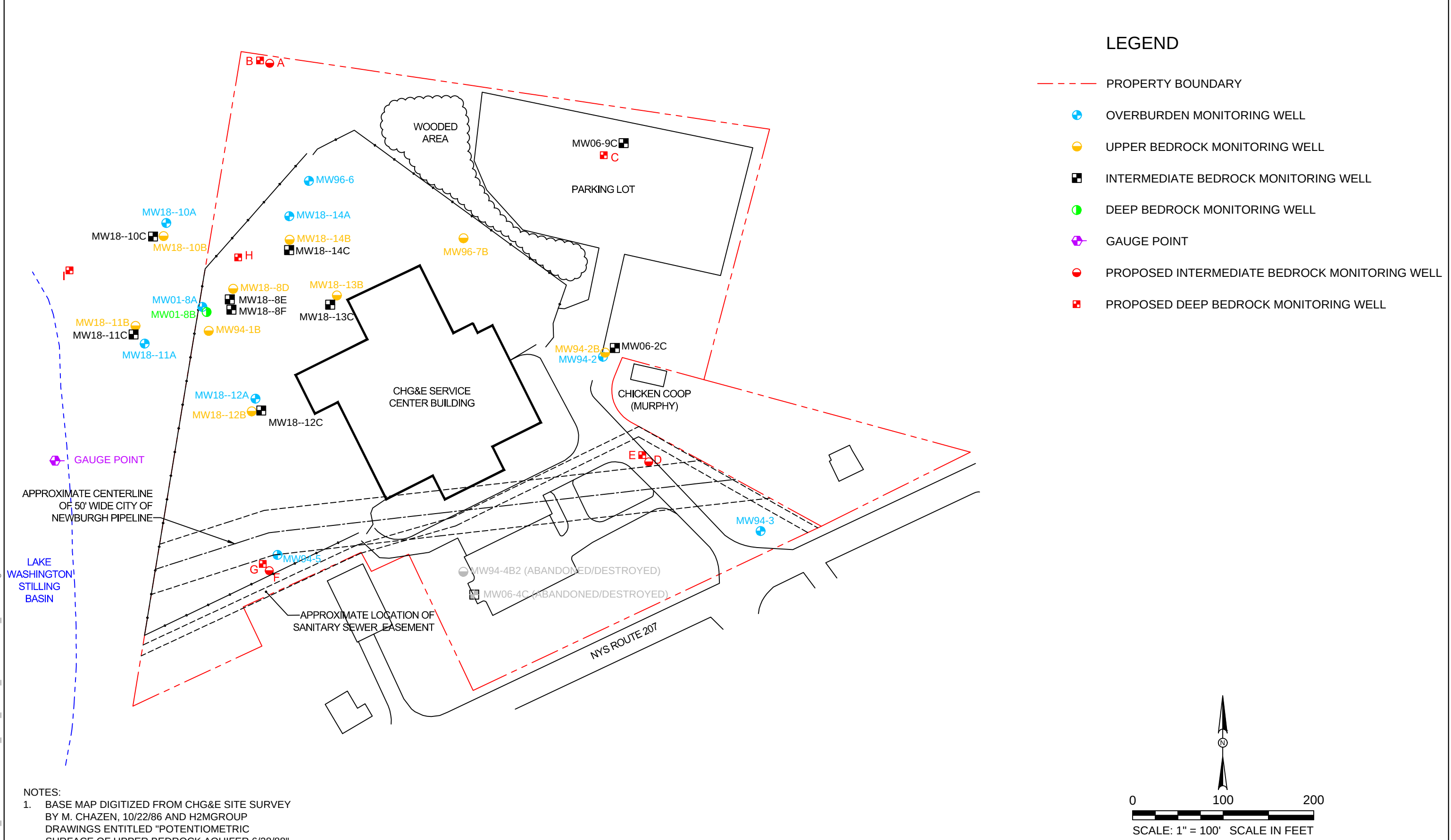
FIGURES



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	DRAWN BY:	SMW					Figure 1	
	CHECKED BY:	JC					Site Location Map	
	FILE NAME:	SiteLocationMap					610 Little Britain Road, New Windsor, New York	
							Date: 1/3/2019	Index Map



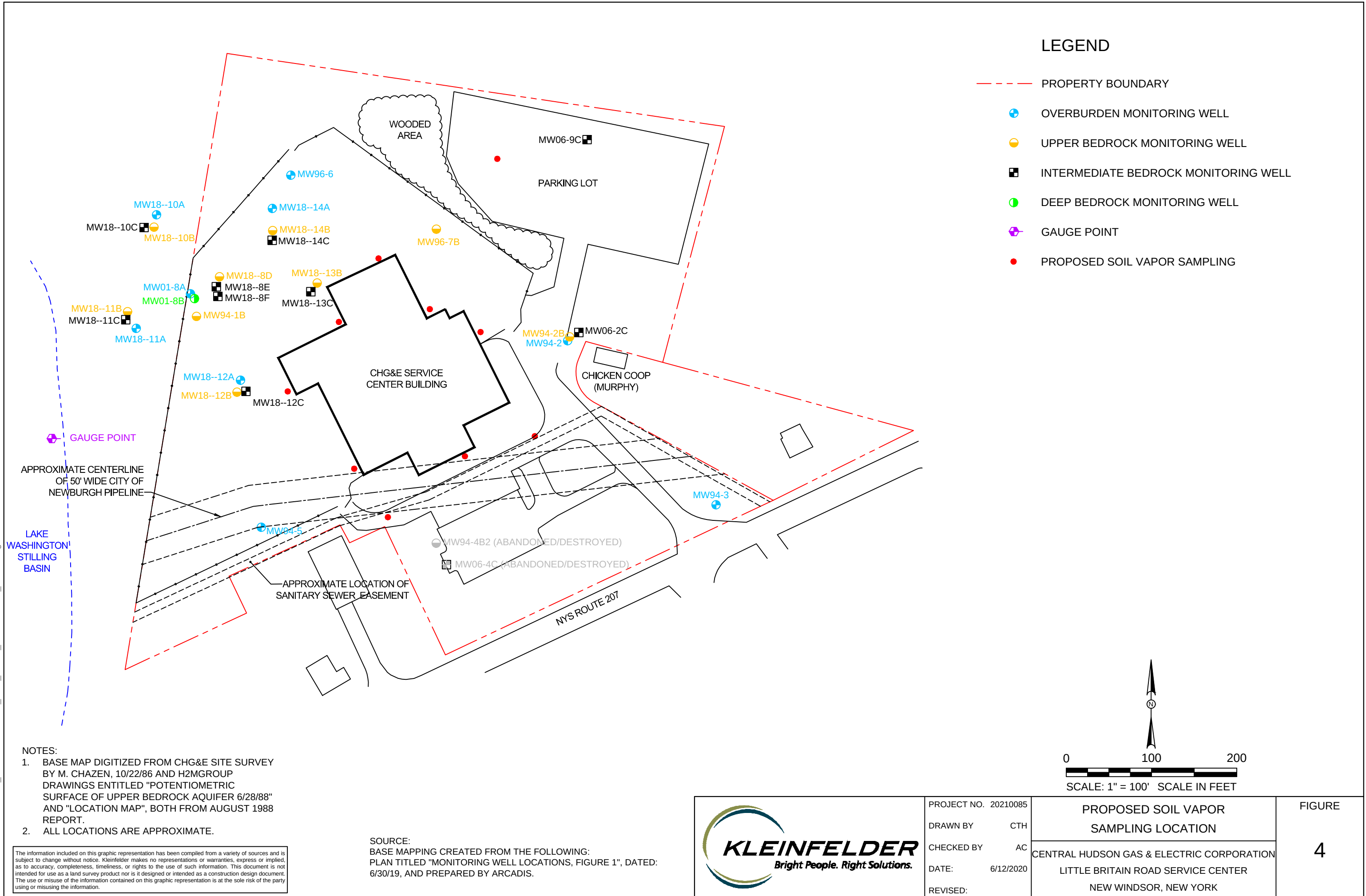
CAD FILE: Y:\Client\Central_Hudson\20190147_Little_Britain_Rd\20210085_RIWP.dwg PLOTTED: 9/10/2020 8:18 AM BY: chris hait LAYOUT: F3A



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PROJECT NO.	20210085	PROPOSED LOCATIONS OF ADDITIONAL GROUNDWATER MONITORING WELL CLUSTERS	FIGURE 3
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CHECKED BY	AC	CENTRAL HUDSON GAS & ELECTRIC CORPORATION LITTLE BRITAIN ROAD SERVICE CENTER NEW WINDSOR, NEW YORK	
DATE:	6/12/2020		
REVISED:			



Appendix A
Historical Analytical Tables

Table 1
Historical Soil Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date	01 Dec 2000	02 Apr 2001	02 Apr 2001	02 Apr 2001	02 Dec 2000	03 Apr 2001	03 Aug 1995	03 Aug 1995	03 Dec 2000	04 Dec 2000
Location ID	CHAR-5	LBR-POST 5	LBR-POST 6	LBR-SW 4	CHAR-5	LBR-POST 7	TB94-2	TB94-3	CHAR-5	CHAR-5
Sample Type	N	N	N	N	N	N	N	N	N	N
Start Depth	4	8	8	4	4	8	6	4	4	4
End Depth	7.7	8	8	4	7.7	8	8	6	7.7	7.7
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Volatile Organic Compounds										
1,1,1-Trichloroethane	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
1,1-Dichloroethane	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
1,1-Dichloroethene	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
1,2-Dichloroethane	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
1,2-Dichloroethylene, total	mg/kg	NA			< 0.005	0.005	0.21	0.21	< 0.050	0.050
1,2-Dichloropropane	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
2-Butanone	mg/kg	NA			NA			NA		
2-Chloroethyl vinyl ether	mg/kg	NA			< 0.010	0.010	< 0.010	0.010	< 0.100	0.100
2-Hexanone	mg/kg	NA			NA			NA		
4-Methyl-2-pentanone	mg/kg	NA			NA			NA		
Acetone	mg/kg	NA			NA			NA		
Benzene	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
Bromodichloromethane	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
Bromoform	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
Bromomethane	mg/kg	NA			< 0.010	0.010	< 0.010	0.010	< 0.100	0.100
Carbon disulfide	mg/kg	NA			NA			NA		
Carbon tetrachloride	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
Chlorobenzene	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
Chloroform	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
Chloromethane	mg/kg	NA			< 0.010	0.010	< 0.010	0.010	< 0.100	0.100
cis-1,2-Dichloroethylene	mg/kg	NA			NA			NA		
cis-1,3-Dichloropropene	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
Dibromochloromethane	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
Ethylbenzene	mg/kg	NA			< 0.005	0.005	0.007	0.005	< 0.050	0.050
m,p-Xylene	mg/kg	NA			NA			NA		
Methylene chloride	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
o-Xylene	mg/kg	NA			NA			NA		
Styrene	mg/kg	NA			NA			NA		
Tetrachloroethylene	mg/kg	< 0.0058	0.0058		< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
Toluene	mg/kg	NA			< 0.005	0.005	0.044	0.005	< 0.050	0.050
trans-1,2-Dichloroethylene	mg/kg	NA			NA			NA		
trans-1,3-Dichloropropene	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
Trichloroethylene	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
Trichlorofluoromethane	mg/kg	NA			< 0.005	0.005	< 0.005	0.005	< 0.050	0.050
Vinyl chloride	mg/kg	NA			< 0.010	0.010	0.023	0.010	< 0.100	0.100
Xylenes, total	mg/kg	NA			< 0.005	0.005	0.035	0.005	< 0.050	0.050
Semivolatile Organic Compounds										
2-Methylnaphthalene	mg/kg	NA			NA			NA		
Acenaphthene	mg/kg	NA			NA			NA		
Anthracene	mg/kg	NA			NA			NA		
Benzo[a]anthracene	mg/kg	NA			NA			NA		
Benzo[a]pyrene	mg/kg	NA			NA			NA		
Benzo[b]fluoranthene	mg/kg	NA			NA			NA		
Benzo[g,h,i]perylene	mg/kg	NA			NA			NA		
Benzo[k]fluoranthene	mg/kg	NA			NA			NA		
Bis(2-ethylhexyl) phthalate	mg/kg	NA			NA			NA		
Chrysene	mg/kg	NA			NA			NA		
Dibenz[a,h]anthracene	mg/kg	NA			NA			NA		
Dibenzofuran	mg/kg	NA			NA			NA		

Table 1
Historical Soil Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Start Depth End Depth	Unit	01 Dec 2000 CHAR-5			02 Apr 2001 LBR-POST 5			02 Apr 2001 LBR-POST 6			02 Apr 2001 LBR-SW 4			02 Dec 2000 CHAR-5			03 Apr 2001 LBR-POST 7			03 Aug 1995 TB94-2			03 Aug 1995 TB94-3			03 Dec 2000 CHAR-5			04 Dec 2000 CHAR-5		
		N			N			N			N			N			N			N			N			N			N		
		4			8			8			4			4			8			6			4			4			4		
		7.7			8			8			4			7.7			8			8			6			7.7			7.7		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Di-n-octyl phthalate	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluoranthene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Indeno[1,2,3-c,d]pyrene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Naphthalene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Phenanthrene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																															
Aroclor-1254	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroethane	mg/kg	NA			< 0.010		0.010	< 0.010		0.010	< 0.100		0.100	NA			< 0.010		0.010	NA			NA			NA			NA		
Metals																															
Aluminum	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:

N = normal sample

NA = not analyzed

mg/kg = milligram per kilogram

RL = reporting limit

Qual = interpreted qualifier

Table 1
Historical Soil Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Start Depth End Depth		05 Dec 2000 CHAR-5 N 4 7.7			06 Dec 2000 CHAR-5 N 4 7.7			07 Dec 2000 CHAR-5 N 4 7.7			08 Dec 2000 CHAR-5 N 4 7.7			09 Dec 2000 CHAR-5 N 4 7.7			10 Apr 2001 LBR-POST 8 N 15 15			10 Dec 2000 CHAR-5 N 4 7.7			11 Dec 2000 CHAR-5 N 4 7.7			12 Dec 2000 CHAR-5 N 4 7.7		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Volatile Organic Compounds																												
1,1,1-Trichloroethane	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	NA			NA			< 0.0058		0.0058	
1,1-Dichloroethane	mg/kg	NA			< 0.0058		0.0058	< 0.0058		0.0058	NA			NA			< 0.005	0.005	NA			NA			NA			
1,1-Dichloroethene	mg/kg	NA			NA			NA			< 0.0058		0.0058	NA			< 0.005	0.005	NA			NA			NA			
1,2-Dichloroethane	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	NA			NA			NA			
1,2-Dichloroethylene, total	mg/kg	NA			NA			NA			NA			NA			0.006	0.006	NA			NA			NA			
1,2-Dichloropropane	mg/kg	NA			NA			NA			NA			< 0.0058		0.0058	< 0.005	0.005	NA			NA			NA			
2-Butanone	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
2-Chloroethyl vinyl ether	mg/kg	NA			NA			NA			NA			NA			< 0.010	0.010	NA			NA			NA			
2-Hexanone	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
4-Methyl-2-pentanone	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Acetone	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Benzene	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	NA			NA			NA			
Bromodichloromethane	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	NA			NA			NA			
Bromoform	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	NA			NA			NA			
Bromomethane	mg/kg	NA			NA			NA			NA			NA			< 0.010	0.010	NA			NA			NA			
Carbon disulfide	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Carbon tetrachloride	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	NA			NA			NA			
Chlorobenzene	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	NA			NA			NA			
Chloroform	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	NA			NA			NA			
Chloromethane	mg/kg	NA			NA			NA			NA			NA			< 0.010	0.010	NA			NA			NA			
cis-1,2-Dichloroethylene	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
cis-1,3-Dichloropropene	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	< 0.0058		0.0058	NA			NA			
Dibromochloromethane	mg/kg	< 0.0058		0.0058	NA			NA			NA			NA			< 0.005	0.005	NA			NA			NA			
Ethylbenzene	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	NA			NA			NA			
m,p-Xylene	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Methylene chloride	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	NA			< 0.0058		0.0058	NA			
o-Xylene	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Styrene	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Tetrachloroethylene	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	NA			NA			NA			
Toluene	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	NA			NA			NA			
trans-1,2-Dichloroethylene	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
trans-1,3-Dichloropropene	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	NA			NA			NA			
Trichloroethylene	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	NA			NA			NA			
Trichlorofluoromethane	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	NA			NA			NA			
Vinyl chloride	mg/kg	NA			NA			NA			NA			NA			< 0.010	0.010	NA			NA			NA			
Xylenes, total	mg/kg	NA			NA			NA			NA			NA			< 0.005	0.005	NA			NA			NA			
Semivolatile Organic Compound																												
2-Methylnaphthalene	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Acenaphthene	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Anthracene	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Benzo[a]anthracene	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Benzo[a]pyrene	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Benzo[b]fluoranthene	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Benzo[g,h,i]perylene	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Benzo[k]fluoranthene	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Bis(2-ethylhexyl) phthalate	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Chrysene	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Dibenz[a,h]anthracene	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			
Dibenzofuran	mg/kg	NA			NA			NA			NA			NA			NA		NA			NA			NA			

Table 1
Historical Soil Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Start Depth End Depth		05 Dec 2000 CHAR-5 N 4 7.7			06 Dec 2000 CHAR-5 N 4 7.7			07 Dec 2000 CHAR-5 N 4 7.7			08 Dec 2000 CHAR-5 N 4 7.7			09 Dec 2000 CHAR-5 N 4 7.7			10 Apr 2001 LBR-POST 8 N 15 15			10 Dec 2000 CHAR-5 N 4 7.7			11 Dec 2000 CHAR-5 N 4 7.7			12 Dec 2000 CHAR-5 N 4 7.7		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Di-n-octyl phthalate	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluoranthene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Indeno[1,2,3-c,d]pyrene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Naphthalene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Phenanthrene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																												
Aroclor-1254	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroethane	mg/kg	NA			NA			NA			NA			NA			< 0.010	0.010	NA	NA			NA			NA		
Metals																												
Aluminum	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:

N = normal sample

NA = not analyzed

mg/kg = milligram per kilogram

RL = reporting limit

Qual = interpreted qualifier

Table 1
Historical Soil Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Start Depth End Depth		13 Dec 2000 CHAR-5 N 4 7.7			14 Dec 2000 CHAR-5 N 4 7.7			15 Dec 2000 CHAR-5 N 4 7.7			16 Dec 2000 CHAR-5 N 4 7.7			17 Dec 2000 CHAR-5 N 4 7.7			18 Dec 2000 CHAR-5 N 4 7.7			19 Dec 2000 CHAR-5 N 4 7.7			20 Dec 2000 CHAR-5 N 4 7.7			21 Dec 2000 CHAR-5 N 4 7.7			
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	
Volatile Organic Compounds																													
1,1,1-Trichloroethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,1-Dichloroethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,1-Dichloroethene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2-Dichloroethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2-Dichloroethylene, total	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2-Dichloropropane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
2-Butanone	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
2-Chloroethyl vinyl ether	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
2-Hexanone	mg/kg	NA			NA			NA			NA			NA		< 0.012	0.012	NA			NA			NA			NA		
4-Methyl-2-pentanone	mg/kg	NA			NA			NA			NA			NA			< 0.012		0.012	NA			NA			NA			
Acetone	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Benzene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Bromodichloromethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Bromoform	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Bromomethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Carbon disulfide	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Carbon tetrachloride	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chlorobenzene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chloroform	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chloromethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
cis-1,2-Dichloroethylene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
cis-1,3-Dichloropropene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Dibromochloromethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Ethylbenzene	mg/kg	NA			NA			< 0.0058		0.0058	NA			NA			NA			NA			NA			NA			
m,p-Xylene	mg/kg	NA			NA			< 0.0058		0.0058	NA			NA			NA			NA			NA			NA			
Methylene chloride	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
o-Xylene	mg/kg	NA			< 0.0058		0.0058	NA			NA			NA			NA			NA			NA			NA			
Styrene	mg/kg	NA			NA			NA			NA			< 0.0058		0.0058	NA			NA			NA			NA			
Tetrachloroethylene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Toluene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
trans-1,2-Dichloroethylene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			< 0.0058		0.0058	
trans-1,3-Dichloropropene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Trichloroethylene	mg/kg	< 0.0058		0.0058	NA			NA			NA			NA			NA			NA			NA			NA			
Trichlorofluoromethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Vinyl chloride	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Xylenes, total	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Semivolatile Organic Compound																													
2-Methylnaphthalene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Acenaphthene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Anthracene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Benzo[a]anthracene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Benzo[a]pyrene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Benzo[b]fluoranthene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Benzo[g,h,i]perylene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Benzo[k]fluoranthene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Bis(2-ethylhexyl) phthalate	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chrysene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Dibenz[a,h]anthracene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Dibenzofuran	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA			

Table 1
Historical Soil Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Start Depth End Depth		13 Dec 2000 CHAR-5 N 4 7.7			14 Dec 2000 CHAR-5 N 4 7.7			15 Dec 2000 CHAR-5 N 4 7.7			16 Dec 2000 CHAR-5 N 4 7.7			17 Dec 2000 CHAR-5 N 4 7.7			18 Dec 2000 CHAR-5 N 4 7.7			19 Dec 2000 CHAR-5 N 4 7.7			20 Dec 2000 CHAR-5 N 4 7.7			21 Dec 2000 CHAR-5 N 4 7.7		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Di-n-octyl phthalate	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluoranthene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Indeno[1,2,3-c,d]pyrene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Naphthalene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Phenanthrene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																												
Aroclor-1254	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			< 0.0058		0.0058	NA		
Metals																												
Aluminum	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:

N = normal sample

NA = not analyzed

mg/kg = milligram per kilogram

RL = reporting limit

Qual = interpreted qualifier

Table 1
Historical Soil Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date	21 Mar 2001	21 Mar 2001	22 Dec 2000	22 Mar 2001	23 Dec 2000	23 Mar 2001	25 Jul 1995	25 Jul 1995	25 Jul 1995														
Location ID	LBR-POST 1	LBR-SW 1	CHAR-5	LBR-SW 2	CHAR-5	LBR-POST 2	MW94-1B	MW94-5	MW96-6B														
Sample Type	N	N	N	N	N	N	N	N	N														
Start Depth	8	4	4	4	4	8	4	2	13														
End Depth	8	4	7.7	4	7.7	8	6	4	14														
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL				
Volatile Organic Compounds																							
1,1,1-Trichloroethane	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	NA			NA					
1,1-Dichloroethane	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	NA			NA					
1,1-Dichloroethene	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	NA			NA					
1,2-Dichloroethane	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	NA			NA					
1,2-Dichloroethylene, total	mg/kg	< 0.006			0.006	0.01		0.01	NA				< 0.005	0.005	< 0.011		0.011	< 0.011		0.011	< 0.012		0.012
1,2-Dichloropropane	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	NA			NA					
2-Butanone	mg/kg	NA			NA			NA					NA		< 0.011		0.011	< 0.011		0.011	< 0.012		0.012
2-Chloroethyl vinyl ether	mg/kg	< 0.010			0.010	< 0.010		0.010	NA				< 0.010	0.010	NA			NA					
2-Hexanone	mg/kg	NA			NA			NA					NA		NA			NA					
4-Methyl-2-pentanone	mg/kg	NA			NA			NA					NA		NA			NA					
Acetone	mg/kg	NA			NA			NA					NA		< 0.011		0.011	< 0.011		0.011	< 0.012		0.012
Benzene	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	NA			NA					
Bromodichloromethane	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	NA			NA					
Bromoform	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	NA			NA					
Bromomethane	mg/kg	< 0.010			0.010	< 0.010		0.010	NA				< 0.010	0.010	NA			NA					
Carbon disulfide	mg/kg	NA			NA			NA					NA		NA			NA					
Carbon tetrachloride	mg/kg	< 0.005			0.005	< 0.005		0.005	< 0.0058		0.0058		< 0.005	0.005	NA			NA					
Chlorobenzene	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	< 0.0058		0.0058	< 0.005	0.005	NA			
Chloroform	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	NA			NA					
Chloromethane	mg/kg	< 0.010			0.010	< 0.010		0.010	NA				< 0.010	0.010	NA			NA					
cis-1,2-Dichloroethylene	mg/kg	NA			NA			NA					NA		NA			NA					
cis-1,3-Dichloropropene	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	NA			NA					
Dibromochloromethane	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	NA			NA					
Ethylbenzene	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	< 0.011		0.011	< 0.011		0.011	< 0.012		0.012
m,p-Xylene	mg/kg	NA			NA			NA					NA		NA			NA					
Methylene chloride	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	0.005	J	0.005	0.004	J	0.004	< 0.012		0.012
o-Xylene	mg/kg	NA			NA			NA					NA		NA			NA					
Styrene	mg/kg	NA			NA			NA					NA		NA			NA					
Tetrachloroethylene	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	NA			NA					
Toluene	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	< 0.011		0.011	< 0.011		0.011	< 0.012		0.012
trans-1,2-Dichloroethylene	mg/kg	NA			NA			NA					NA		NA			NA					
trans-1,3-Dichloropropene	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	< 0.011		0.011	< 0.011		0.011	< 0.012		0.012
Trichloroethylene	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	< 0.011		0.011	< 0.011		0.011	< 0.012		0.012
Trichlorofluoromethane	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	NA			NA					
Vinyl chloride	mg/kg	< 0.010			0.010	0.013		0.010	NA				< 0.010	0.010	NA			NA					
Xylenes, total	mg/kg	< 0.005			0.005	< 0.005		0.005	NA				< 0.005	0.005	< 0.011		0.011	0.003	J	0.003	< 0.012		0.012
Semivolatile Organic Compound																							
2-Methylnaphthalene	mg/kg	NA			NA			NA					NA		< 0.35		0.35	0.38		0.38	NA		
Acenaphthene	mg/kg	NA			NA			NA					NA		< 0.35		0.35	0.98		0.98	NA		
Anthracene	mg/kg	NA			NA			NA					NA		< 0.35		0.35	1.2		1.2	NA		
Benzo[a]anthracene	mg/kg	NA			NA			NA					NA		< 0.35		0.35	2		2	NA		
Benzo[a]pyrene	mg/kg	NA			NA			NA					NA		< 0.35		0.35	2.9		2.9	NA		
Benzo[b]fluoranthene	mg/kg	NA			NA			NA					NA		< 0.35		0.35	3.6		3.6	NA		
Benzo[g,h,i]perylene	mg/kg	NA			NA			NA					NA		< 0.35		0.35	0.88		0.88	NA		
Benzo[k]fluoranthene	mg/kg	NA			NA			NA					NA		< 0.35		0.35	2.7		2.7	NA		
Bis(2-ethylhexyl) phthalate	mg/kg	NA			NA			NA					NA		< 0.35		0.35	0.39		0.39	NA		
Chrysene	mg/kg	NA			NA			NA					NA		< 0.35		0.35	2.1		2.1	NA		
Dibenz[a,h]anthracene	mg/kg	NA			NA			NA					NA		< 0.35		0.35	0.32	J	0.32	NA		
Dibenzofuran	mg/kg	NA			NA			NA					NA		< 0.35		0.35	0.7		0.7	NA		

Table 1
Historical Soil Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date	Location ID	21 Mar 2001 LBR-POST 1			21 Mar 2001 LBR-SW 1			22 Dec 2000 CHAR-5			22 Mar 2001 LBR-SW 2			23 Dec 2000 CHAR-5			23 Mar 2001 LBR-POST 2			25 Jul 1995 MW94-1B			25 Jul 1995 MW94-5			25 Jul 1995 MW96-6B		
Sample Type		N			N			N			N			N			N			N			N			N		
Start Depth		8			4			4			4			4			8			4			2			13		
End Depth		8			4			7.7			4			7.7			8			6			4			14		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Di-n-octyl phthalate	mg/kg	NA			NA			NA			NA			NA			< 0.35		0.35	< 0.37		0.37	NA			NA		
Fluoranthene	mg/kg				NA			NA			NA			NA			< 0.35		0.35	3.6	J	3.6	NA			NA		
Fluorene	mg/kg	NA			NA			NA			NA			NA			< 0.35		0.35	1.2		1.2	NA			NA		
Indeno[1,2,3-c,d]pyrene	mg/kg	NA			NA			NA			NA			NA			< 0.35		0.35	0.63		0.63	NA			NA		
Naphthalene	mg/kg	NA			NA			NA			NA			NA			< 0.35		0.35	0.79		0.79	NA			NA		
Phenanthrene	mg/kg	NA			NA			NA			NA			NA			< 0.35		0.35	3.6		3.6	NA			NA		
Pyrene	mg/kg	NA			NA			NA			NA			NA			< 0.35		0.35	3.1		3.1	NA			NA		
Polychlorinated Biphenyls																												
Aroclor-1254	mg/kg	NA			NA			NA			NA			NA			< 0.02144		0.02144	< 0.02212		0.02212	NA			NA		
Aroclor-1260	mg/kg				NA			NA			NA			NA			< 0.02144		0.02144	< 0.02212		0.02212	NA			NA		
Chloroethane	mg/kg	< 0.010		0.010	< 0.010		0.010	NA			< 0.010		0.010	NA			< 0.010		0.010	NA			NA			NA		
Metals																												
Aluminum	mg/kg	NA			NA			NA			NA			NA			13200		13200	7170		7170	NA			NA		
Arsenic	mg/kg	NA			NA			NA			NA			NA			1.1	B	1.1	3.4		3.4	NA			NA		
Barium	mg/kg	NA			NA			NA			NA			NA			31.9	B	31.9	20.7	B	20.7	NA			NA		
Beryllium	mg/kg	NA			NA			NA			NA			NA			1.2		1.2	1.1	B	1.1	NA			NA		
Cadmium	mg/kg	NA			NA			NA			NA			NA			1.4	J	1.4	1.5	J	1.5	NA			NA		
Calcium	mg/kg	NA			NA			NA			NA			NA			637	B	637	1540		1540	NA			NA		
Chromium	mg/kg	NA			NA			NA			NA			NA			18.1		18.1	11.3		11.3	NA			NA		
Cobalt	mg/kg	NA			NA			NA			NA			NA			10.2	B	10.2	5.4	B	5.4	NA			NA		
Copper	mg/kg	NA			NA			NA			NA			NA			14.7		14.7	16.8		16.8	NA			NA		
Iron	mg/kg	NA			NA			NA			NA			NA			22000		22000	185400		185400	NA			NA		
Lead	mg/kg	NA			NA			NA			NA			NA			8.1		8.1	6.4		6.4	NA			NA		
Magnesium	mg/kg	NA			NA			NA			NA			NA			4650		4650	3300		3300	NA			NA		
Manganese	mg/kg	NA			NA			NA			NA			NA			178		178	581		581	NA			NA		
Nickel	mg/kg	NA			NA			NA			NA			NA			20.4	J	20.4	16.2	J	16.2	NA			NA		
Potassium	mg/kg	NA			NA			NA			NA			NA			992	B	992	644	B	644	NA			NA		
Silver	mg/kg	NA			NA			NA			NA			NA			< 0.86		0.86	< 0.88		0.88	NA			NA		
Sodium	mg/kg	NA			NA			NA			NA			NA			< 0	R	0	126	B	126	NA			NA		
Vanadium	mg/kg	NA			NA			NA			NA			NA			20.3		20.3	14.2		14.2	NA			NA		
Zinc	mg/kg	NA			NA			NA			NA			NA			54.4		54.4	56.9		56.9	NA			NA		
Mercury	mg/kg	NA			NA			NA			NA			NA			0.13		0.13	0.11		0.11	NA			NA		

Notes and Abbreviations:

N = normal sample

NA = not analyzed

mg/kg = milligram per kilogram

RL = reporting limit

Qual = interpreted qualifier

Table 1
Historical Soil Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Start Depth End Depth	25 Jul 1995 TB94-DL				26 Jul 1995 MW94-2				26 Jul 1995 MW94-3				27 Jul 1995 SD-1				27 Jul 1995 SS-1				27 Jul 1995 SS-2				27 Jul 1995 SS-3				27 Jul 1995 SS-4			
	N				N				N				N				N				N				N							
	2				8				8				0				0				0				0							
	4				10				10				0.25				0.25				0.25				0.25							
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL				
Volatile Organic Compounds																																
1,1,1-Trichloroethane	mg/kg				NA			NA			NA			NA			NA			NA			NA			NA						
1,1-Dichloroethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
1,1-Dichloroethene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
1,2-Dichloroethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
1,2-Dichloroethylene, total	mg/kg	2	JD	2	< 0.011		0.011	< 0.011		0.011	< 0.014		0.014	< 0.011		0.011	0.036		0.036	< 0.011		0.011	0.043		0.043							
1,2-Dichloropropane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
2-Butanone	mg/kg	< 1.2		1.2	< 0.011		0.011	< 0.011		0.011	< 0.014		0.014	< 0.011		0.011	< 0.011		0.011	0.004	J	0.004	< 0.011		0.011							
2-Chloroethyl vinyl ether	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
2-Hexanone	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
4-Methyl-2-pentanone	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Acetone	mg/kg	< 1.2	J	1.2	< 0.011		0.011	< 0.011		0.011	< 0.014		0.014	< 0.011		0.011	0.006	J	0.006	< 0.011		0.011	< 0.011		0.011							
Benzene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Bromodichloromethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Bromoform	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Bromomethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Carbon disulfide	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Carbon tetrachloride	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Chlorobenzene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Chloroform	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Chloromethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
cis-1,2-Dichloroethylene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
cis-1,3-Dichloropropene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Dibromochloromethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Ethylbenzene	mg/kg	2.1	JD	2.1	< 0.011		0.011	< 0.011		0.011	< 0.014		0.014	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011				
m,p-Xylene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Methylene chloride	mg/kg	< 1.2		1.2	< 0.011		0.011	< 0.011		0.011	0.004	J	0.004	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011				
o-Xylene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Styrene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Tetrachloroethylene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Toluene	mg/kg	< 12	JD	12	< 0.011		0.011	< 0.011		0.011	< 0.014		0.014	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011				
trans-1,2-Dichloroethylene	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
trans-1,3-Dichloropropene	mg/kg	< 1.2		1.2	< 0.011		0.011	< 0.011		0.011	< 0.014		0.014	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011				
Trichloroethylene	mg/kg	< 1.2		1.2	< 0.011		0.011	< 0.011		0.011	< 0.014		0.014	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011				
Trichlorofluoromethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Vinyl chloride	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA			NA						
Xylenes, total	mg/kg	11	JD	11	< 0.011		0.011	< 0.011		0.011	< 0.014		0.014	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011	< 0.011		0.011				
Semivolatile Organic Compound																																
2-Methylnaphthalene	mg/kg	< 0.38		0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37		0.37	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Acenaphthene	mg/kg	< 0.38		0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37		0.37	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Anthracene	mg/kg	< 0.38		0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	0.19	J	0.19	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Benzo[a]anthracene	mg/kg	< 0.38		0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37		0.37	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Benzo[a]pyrene	mg/kg	< 0.38	J	0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37	J	0.37	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Benzo[b]fluoranthene	mg/kg	< 0.38	J	0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37	J	0.37	< 0.38		0.38	0.068	J	0.068	< 0.37		0.37	< 0.37		0.37				
Benzo[g,h,i]perylene	mg/kg	< 0.38	J	0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37	J	0.37	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Benzo[k]fluoranthene	mg/kg	< 0.38	J	0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37	J	0.37	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Bis(2-ethylhexyl) phthalate	mg/kg	< 0.38		0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37	J	0.37	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Chrysene	mg/kg	< 0.38		0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37		0.37	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Dibenz[a,h]anthracene	mg/kg	< 0.38	J	0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37	J	0.37	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Dibenzofuran	mg/kg	< 0.38		0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37		0.37	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				

Table 1
Historical Soil Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Start Depth End Depth	25 Jul 1995 TB94-DL				26 Jul 1995 MW94-2				26 Jul 1995 MW94-3				27 Jul 1995 SD-1				27 Jul 1995 SS-1				27 Jul 1995 SS-2				27 Jul 1995 SS-3				27 Jul 1995 SS-4			
	N				N				N				N				N				N				N							
	2				8				8				0				0				0				0							
	4				10				10				0.25				0.25				0.25				0.25							
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL				
Di-n-octyl phthalate	mg/kg	< 0.38	J	0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37	J	0.37	0.32	J	0.32	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Fluoranthene	mg/kg	< 0.38		0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	0.22	J	0.22	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Fluorene	mg/kg	< 0.38		0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37		0.37	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Indeno[1,2,3-c,d]pyrene	mg/kg	< 0.38	J	0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37	J	0.37	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Naphthalene	mg/kg	< 0.38		0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37		0.37	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Phenanthrene	mg/kg	< 0.38		0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37		0.37	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Pyrene	mg/kg	< 0.38		0.38	< 0.35		0.35	< 0.35		0.35	< 0.45		0.45	< 0.37		0.37	< 0.38		0.38	< 0.37		0.37	< 0.37		0.37	< 0.37		0.37				
Polychlorinated Biphenyls																																
Aroclor-1254	mg/kg	< 0.02331		0.02331	< 0.02099		0.02099	< 0.02128		0.02128	0.02740		0.02740	< 0.02212		0.02212	< 0.02291		0.02291	0.06588		0.06588	0.01459	J	0.01459							
Aroclor-1260	mg/kg	< 0.02331		0.02331	< 0.02099		0.02099	< 0.02128		0.02128	0.0143	JN	0.0143	0.01777	JN	0.01777	0.01006	JN	0.01006	< 0.02268		0.02268	< 0.0222		0.0222							
Chloroethane	mg/kg	NA			NA			NA			NA			NA			NA			NA			NA									
Metals																																
Aluminum	mg/kg	12500		12500	7820		7820	9210		9210	13300		13300	5690		5690	9900		9900	12200		12200	10900		10900							
Arsenic	mg/kg	3.8		3.8	3.5		3.5	3.8		3.8	4.3		4.3	3.6		3.6	4.7		4.7	6.3		6.3	11		11							
Barium	mg/kg	47.2		47.2	23.5	B	23.5	26.1	B	26.1	52.9	B	52.9	30.3	B	30.3	34.6	B	34.6	57.4		57.4	32.4	B	32.4							
Beryllium	mg/kg	1.4		1.4	1	B	1	1.0		1.0	1.4		1.4	0.75	B	0.75	1.4		1.4	1.3		1.3	1.1		1.1							
Cadmium	mg/kg	1.4	J	1.4	< 0.42	J	0.42	< 0.41	J	0.41	2.4		2.4	1.1	BJ	1.1	1	BJ	1	2.6		2.6	1.1		1.1							
Calcium	mg/kg	25700		25700	< 0	R	0	< 0	R	0	< 0	R	0	82100		82100	< 0	R	0	< 0	R	0	< 0	R	0							
Chromium	mg/kg	21.9		21.9	10.9	J	10.9	12.8	J	12.8	34.2	J	34.2	13.1	J	13.1	15.7	J	15.7	67.7	J	67.7	22.4	J	22.4							
Cobalt	mg/kg	10.6	B	10.6	7.1	B	7.1	8.8	B	8.8	10.3	B	10.3	5.8	B	5.8	15.9		15.9	12		12	10.1	B	10.1							
Copper	mg/kg	27.2		27.2	15.3		15.3	18.3		18.3	73.7		73.7	20.4		20.4	22.7		22.7	157		157	58.6		58.6							
Iron	mg/kg	23700		23700	17400		17400	19600		19600	< 0	R	0	< 0	R	0	< 0	R	0	< 0	R	0	< 0	R	0							
Lead	mg/kg	27.4		27.4	6.2		6.2	6.9		6.9	52.8		52.8	54.4		54.4	30.5		30.5	116		116	31.7		31.7							
Magnesium	mg/kg	17600		17600	< 0	R	0	< 0	R	0	< 0	R	0	51700		51700	< 0	R	0	< 0	R	0	8980		8980							
Manganese	mg/kg	466		466	441		441	646		646	419		419	322		322	1050		1050	1030		1030	462		462							
Nickel	mg/kg	19.7	J	19.7	12.1		12.1	14.7		14.7	23.3		23.3	14.7		14.7	23.7		23.7	25.3		25.3	19.1		19.1							
Potassium	mg/kg	1010	B	1010	543	B	543	836	B	836	1450		1450	867	B	867	986	B	986	947	B	947	881	B	881							
Silver	mg/kg	< 0.93		0.93	< 0.84		0.84	< 0.83		0.83	< 1.1		1.1	1	B	1	< 0.9		0.9	< 0.88		0.88	< 0.87		0.87							
Sodium	mg/kg	169	B	169	< 0	R	0	< 0	R	0	< 0	R	0	< 0	R	0	< 0	R	0	< 0	R	0	< 0	R	0							
Vanadium	mg/kg	22.8		22.8	5.9	B	5.9	9.2	B	9.2	35.6		35.6	22.7		22.7	19.1		19.1	22.2		22.2	23.3		23.3							
Zinc	mg/kg	78.6		78.6	55.8		55.8	54.6		54.6	182		182	62.3		62.3	81.3		81.3	201		201	112		112							
Mercury	mg/kg	0.19		0.19	0.13	J	0.13	0.13	J	0.13	0.23	J	0.23	0.14	J	0.14	0.14	J	0.14	0.23	J	0.23	0.17	J	0.17							

Notes and Abbreviations:

N = normal sample

NA = not analyzed

mg/kg = milligram per kilogram

RL = reporting limit

Qual = interpreted qualifier

Table 1
Historical Soil Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date	27 Jul 1995	27 Mar 2001	28 Jul 1995	29 Mar 2001	29 Mar 2001	29 Nov 2000	29 Nov 2000	29 Nov 2000	29 Nov 2000													
Location ID	SS-4D	LBR-SW 3	MW94-4B	LBR-POST 3	LBR-POST 4	VER-1	VER-10	VER-2	VER-3													
Sample Type	N	N	N	N	N	N	N	N	N													
Start Depth	0	4	10	8	8	4	4	0	0													
End Depth	0.25	4	12	8	8	7	5	2.5	3.3													
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL			
Volatile Organic Compounds																						
1,1,1-Trichloroethane	mg/kg	NA			< 0.005	0.005	NA			< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
1,1-Dichloroethane	mg/kg	NA			< 0.005	0.005	NA			< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
1,1-Dichloroethene	mg/kg	NA			< 0.005	0.005	NA			< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
1,2-Dichloroethane	mg/kg	NA			< 0.005	0.005	NA			< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
1,2-Dichloroethylene, total	mg/kg	0.026		0.026	< 0.005	0.005	< 0.011	0.011		0.036	0.036	< 0.005	0.005	NA	NA		NA		NA		NA	
1,2-Dichloropropane	mg/kg	NA			< 0.005	0.005	NA			< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
2-Butanone	mg/kg	< 0.011		0.011	NA		< 0.011	0.011		NA			NA		< 0.012	0.012	< 0.011	0.011	< 0.023	0.023	0.011	0.011
2-Chloroethyl vinyl ether	mg/kg	NA			< 0.010	0.010	NA			< 0.010	0.010	< 0.010	0.010	NA	NA		NA		NA		NA	
2-Hexanone	mg/kg	NA			NA		NA			NA			NA		< 0.012	0.012	< 0.011	0.011	< 0.023	0.023	< 0.011	0.011
4-Methyl-2-pentanone	mg/kg	NA			NA		NA			NA			NA		< 0.012	0.012	< 0.011	0.011	< 0.023	0.023	< 0.011	0.011
Acetone	mg/kg	< 0.011		0.011	NA		< 0.011	0.011		NA			NA		< 0.023	0.023	< 0.023	0.023	< 0.046	0.046	NA	
Benzene	mg/kg	NA			< 0.005	0.005	NA			< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
Bromodichloromethane	mg/kg	NA			< 0.005	0.005	NA			< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
Bromoform	mg/kg	NA			< 0.005	0.005	NA			< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
Bromomethane	mg/kg	NA			< 0.010	0.010	NA			< 0.010	0.010	< 0.010	0.010	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
Carbon disulfide	mg/kg	NA			NA		NA			NA			NA		< 0.012	0.012	< 0.011	0.011	< 0.023	0.023	< 0.011	0.011
Carbon tetrachloride	mg/kg	NA			< 0.005	0.005	NA			< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
Chlorobenzene	mg/kg	NA			< 0.005	0.005	NA			< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
Chloroform	mg/kg	NA			< 0.005	0.005	NA			< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
Chloromethane	mg/kg	NA			< 0.010	0.010	NA			< 0.010	0.010	< 0.010	0.010	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
cis-1,2-Dichloroethylene	mg/kg	NA			NA		NA			NA			NA		< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057
cis-1,3-Dichloropropene	mg/kg	NA			< 0.005	0.005	NA			< 0.005	0.005	< 0.005	0.005	NA		< 0.0057	0.0057	NA		NA		
Dibromochloromethane	mg/kg	NA			< 0.005	0.005	NA			< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
Ethylbenzene	mg/kg	< 0.011		0.011	< 0.005	0.005	< 0.011	0.011		< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
m,p-Xylene	mg/kg	NA			NA		NA			NA			NA		< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057
Methylene chloride	mg/kg	< 0.011		0.011	< 0.005	0.005	< 0.011	0.011		< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
o-Xylene	mg/kg	NA			NA		NA			NA			NA		< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057
Styrene	mg/kg	NA			NA		NA			NA			NA		< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057
Tetrachloroethylene	mg/kg	NA			< 0.005	0.005	NA			< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
Toluene	mg/kg	< 0.011		0.011	< 0.005	0.005	< 0.011	0.011		< 0.005	0.005	< 0.005	0.005	0.0058	0.0058	0.0057	0.0057	0.012	0.012	0.0068	0.0068	
trans-1,2-Dichloroethylene	mg/kg	NA			NA		NA			NA			NA		< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057
trans-1,3-Dichloropropene	mg/kg	< 0.011		0.011	< 0.005	0.005	< 0.011	0.011		< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
Trichloroethylene	mg/kg	< 0.011		0.011	< 0.005	0.005	< 0.011	0.011		< 0.005	0.005	< 0.005	0.005	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
Trichlorofluoromethane	mg/kg	NA			< 0.005	0.005	NA			< 0.005	0.005	< 0.005	0.005	NA	NA		NA		NA		NA	
Vinyl chloride	mg/kg	NA			< 0.010	0.010	NA			0.056	0.010	0.026	0.010	< 0.0058	0.0058	< 0.0057	0.0057	< 0.012	0.012	< 0.0057	0.0057	
Xylenes, total	mg/kg	< 0.011		0.011	< 0.005	0.005	< 0.011	0.011		< 0.005	0.005	< 0.005	0.005	NA	NA		NA		NA		NA	
Semivolatile Organic Compound																						
2-Methylnaphthalene	mg/kg	< 0.35		0.35	NA		< 0.37	0.37		NA			NA			NA		NA		NA		
Acenaphthene	mg/kg	< 0.35		0.35	NA		< 0.37	0.37		NA			NA			NA		NA		NA		
Anthracene	mg/kg	< 0.35		0.35	NA		< 0.37	0.37		NA			NA			NA		NA		NA		
Benzo[a]anthracene	mg/kg	< 0.35		0.35	NA		< 0.37	0.37		NA			NA			NA		NA		NA		
Benzo[a]pyrene	mg/kg	< 0.35	J	0.35	NA		< 0.37	0.37		NA			NA			NA		NA		NA		
Benzo[b]fluoranthene	mg/kg	< 0.35	J	0.35	NA		< 0.37	0.37		NA			NA			NA		NA		NA		
Benzo[g,h,i]perylene	mg/kg	< 0.35	J	0.35	NA		< 0.37	0.37		NA			NA			NA		NA		NA		
Benzo[k]fluoranthene	mg/kg	< 0.35	J	0.35	NA		< 0.37	0.37		NA			NA			NA		NA		NA		
Bis(2-ethylhexyl) phthalate	mg/kg	< 0.35		0.35	NA		< 0.37	0.37		NA			NA			NA		NA		NA		
Chrysene	mg/kg	< 0.35		0.35	NA		< 0.37	0.37		NA			NA			NA		NA		NA		
Dibenz[a,h]anthracene	mg/kg	< 0.35	J	0.35	NA		< 0.37	0.37		NA			NA			NA		NA		NA		
Dibenzofuran	mg/kg	< 0.35		0.35	NA		< 0.37	0.37		NA			NA			NA		NA		NA		

Table 1
Historical Soil Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date	27 Jul 1995	27 Mar 2001	28 Jul 1995	29 Mar 2001	29 Mar 2001	29 Nov 2000	29 Nov 2000	29 Nov 2000	29 Nov 2000																			
Location ID	SS-4D	LBR-SW 3	MW94-4B	LBR-POST 3	LBR-POST 4	VER-1	VER-10	VER-2	VER-3																			
Sample Type	N	N	N	N	N	N	N	N	N																			
Start Depth	0	4	10	8	8	4	4	0	0																			
End Depth	0.25	4	12	8	8	7	5	2.5	3.3																			
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL									
Di-n-octyl phthalate	mg/kg	< 0.35	J	0.35	NA			< 0.37		0.37	NA			NA			NA			NA								
Fluoranthene	mg/kg	< 0.35		0.35	NA			< 0.37		0.37	NA			NA			NA			NA								
Fluorene	mg/kg	< 0.35		0.35	NA			< 0.37		0.37	NA			NA			NA			NA								
Indeno[1,2,3-c,d]pyrene	mg/kg	< 0.35	J	0.35	NA			< 0.37		0.37	NA			NA			NA			NA								
Naphthalene	mg/kg	< 0.35		0.35	NA			< 0.37		0.37	NA			NA			NA			NA								
Phenanthrene	mg/kg	< 0.35		0.35	NA			< 0.37		0.37	NA			NA			NA			NA								
Pyrene	mg/kg	< 0.35		0.35	NA			< 0.37		0.37	NA			NA			NA			NA								
Polychlorinated Biphenyls																												
Aroclor-1254	mg/kg	0.002847		0.002847	NA			< 0.02281		0.02281	NA			NA			NA			NA								
Aroclor-1260	mg/kg	< 0.0216		0.0216	NA			< 0.02281		0.02281	NA			NA			NA			NA								
Chloroethane	mg/kg	NA			< 0.010		0.010	NA			< 0.010		0.010	< 0.010		0.010	< 0.0058		0.0058	< 0.0057		0.0057	< 0.012		0.012	< 0.0057		0.0057
Metals																												
Aluminum	mg/kg	11500		11500	NA			6980		6980	NA			NA			NA			NA								
Arsenic	mg/kg	10		10	NA			4.3		4.3	NA			NA			NA			NA								
Barium	mg/kg	34.6	B	34.6	NA			25.3	B	25.3	NA			NA			NA			NA								
Beryllium	mg/kg	1	B	1	NA			1.1		1.1	NA			NA			NA			NA								
Cadmium	mg/kg	2.1		2.1	NA			1.1	BJ	1.1	NA			NA			NA			NA								
Calcium	mg/kg	< 0	R	0	NA			< 0	R	0	NA			NA			NA			NA								
Chromium	mg/kg	24.5	J	24.5	NA			10.3	J	10.3	NA			NA			NA			NA								
Cobalt	mg/kg	10	B	10	NA			8.6	B	8.6	NA			NA			NA			NA								
Copper	mg/kg	66.0		66.0	NA			16.8		16.8	NA			NA			NA			NA								
Iron	mg/kg	< 0	R	0	NA			< 0	R	0	NA			NA			NA			NA								
Lead	mg/kg	34		34	NA			8.4		8.4	NA			NA			NA			NA								
Magnesium	mg/kg	8440		8440	NA			< 0	R	0	NA			NA			NA			NA								
Manganese	mg/kg	448		448	NA			974		974	NA			NA			NA			NA								
Nickel	mg/kg	20.1		20.1	NA			12.9		12.9	NA			NA			NA			NA								
Potassium	mg/kg	933	B	933	NA			775	B	775	NA			NA			NA			NA								
Silver	mg/kg	< 0.86		0.86	NA			< 0.91		0.91	NA			NA			NA			NA								
Sodium	mg/kg	< 0	R	0	NA			< 0	R	0	NA			NA			NA			NA								
Vanadium	mg/kg	24.3		24.3	NA			16.7		16.7	NA			NA			NA			NA								
Zinc	mg/kg	198		198	NA			57.9		57.9	NA			NA			NA			NA								
Mercury	mg/kg	0.16	J	0.16	NA			0.17	J	0.17	NA			NA			NA			NA								

Notes and Abbreviations:

N = normal sample

NA = not analyzed

mg/kg = milligram per kilogram

RL = reporting limit

Qual = interpreted qualifier

Table 1
Historical Soil Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date	29 Nov 2000	29 Nov 2000	29 Nov 2000	29 Nov 2000	29 Nov 2000	30 Jul 1996	30 Jul 1996	30 Jul 1996	30 Jul 1996	30 Nov 2000																						
Location ID	VER-5	VER-6	VER-7	VER-8	VER-9	TB-96-4	TB-96-4D	TB-96-5	TB-96-6	CHAR-5																						
Sample Type	N	N	N	N	N	N	N	N	N	N																						
Start Depth	4	4	0	4	4	4	4	4	2	4																						
End Depth	7.2	7.3	4	6	6	6	6	6	4	7.7																						
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL													
Volatile Organic Compounds																																
1,1,1-Trichloroethane	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.029		0.029	< 0.0058		0.0058	NA		NA		NA											
1,1-Dichloroethane	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.028		0.028	< 0.0058		0.0058	NA		NA		NA											
1,1-Dichloroethene	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.029		0.029	< 0.0058		0.0058	NA		NA		NA											
1,2-Dichloroethane	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.028		0.028	< 0.0058		0.0058	NA		NA		NA											
1,2-Dichloroethylene, total	mg/kg	NA			NA			NA			NA			NA		< 0.011	0.011	< 0.012		0.012	< 0.110		0.110	< 0.014		0.014	NA					
1,2-Dichloropropane	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.029		0.029	< 0.0058		0.0058	NA		NA		NA											
2-Butanone	mg/kg	< 0.012		0.012	< 0.012		0.012	< 0.012		0.012	< 0.059		0.059	< 0.012		0.012	< 0.011		0.011	< 0.012		0.012	< 0.011		0.011	0.01	J	0.01	< 0.012		0.012	
2-Chloroethyl vinyl ether	mg/kg	NA			NA			NA			NA			NA			NA		NA		NA											
2-Hexanone	mg/kg	< 0.012		0.012	< 0.012		0.012	< 0.012		0.012	< 0.059		0.059	< 0.012		0.012	NA		NA		NA											
4-Methyl-2-pentanone	mg/kg	< 0.012		0.012	< 0.012		0.012	< 0.012		0.012	< 0.059		0.059	< 0.012		0.012	NA		NA		NA											
Acetone	mg/kg	< 0.024		0.024	< 0.024		0.024	< 0.023		0.023	< 0.12		0.12	< 0.024		0.024	< 0.012		0.012	< 0.014		0.014	< 0.011		0.011	0.042		0.042	< 0.023		0.023	
Benzene	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.026		0.026	< 0.0058		0.0058	NA		NA		NA								< 0.0058		0.0058	
Bromodichloromethane	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.026		0.026	< 0.0058		0.0058	NA		NA		NA								< 0.0058		0.0058	
Bromoform	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.026		0.026	< 0.0058		0.0058	NA		NA		NA								< 0.0058		0.0058	
Bromomethane	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.026		0.026	< 0.0058		0.0058	NA		NA		NA								< 0.0058		0.0058	
Carbon disulfide	mg/kg	< 0.012		0.012	< 0.012		0.012	< 0.012		0.012	< 0.059		0.059	< 0.012		0.012	NA		NA		NA								< 0.012		0.012	
Carbon tetrachloride	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.028		0.028	< 0.0058		0.0058	NA		NA		NA								NA			
Chlorobenzene	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.026		0.026	< 0.0058		0.0058	NA		NA		NA								NA			
Chloroform	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.029		0.029	< 0.0058		0.0058	NA		NA		NA								NA			
Chloromethane	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.029		0.029	< 0.0058		0.0058	NA		NA		NA								NA			
cis-1,2-Dichloroethylene	mg/kg	0.0059		0.0058	0.006		0.028	0.0058		0.0058	0.028		0.0065	0.0058		0.025	NA			NA		NA							0.025		0.012	
cis-1,3-Dichloropropene	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.028		0.028	< 0.0058		0.0058	NA		NA		NA								NA			
Dibromochloromethane	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.028		0.028	< 0.0058		0.0058	NA		NA		NA								NA			
Ethylbenzene	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.028		0.028	< 0.0058		0.0058	< 0.011		0.011	< 0.012		0.012	< 0.011		0.011	< 0.014		0.014	NA			
m,p-Xylene	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.028		0.028	< 0.0058		0.0058	NA			NA		NA							NA			
Methylene chloride	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.020		0.020	< 0.0058		0.0058	< 0.011		0.011	< 0.012		0.012	< 0.011		0.011	< 0.014		0.014	NA			
o-Xylene	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.029		0.029	< 0.0058		0.0058	NA			NA		NA							NA			
Styrene	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.029		0.029	< 0.0058		0.0058	NA			NA		NA							NA			
Tetrachloroethylene	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.020		0.020	< 0.0058		0.0058	NA			NA		NA							< 0.0058		0.0058	
Toluene	mg/kg	0.0059		0.0059	0.006		0.006	0.0058		0.0058	0.029		0.029	0.0058		0.0058	< 0.011		0.011	< 0.012		0.012	< 0.011		0.011	< 0.014		0.014	< 0.0058		0.0058	
trans-1,2-Dichloroethylene	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.028		0.028	< 0.0058		0.0058	NA			NA		NA							NA			
trans-1,3-Dichloropropene	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.029		0.029	< 0.0058		0.0058	< 0.011		0.011	< 0.012		0.012	< 0.011		0.011	< 0.014		0.014	< 0.0058		0.0058	
Trichloroethylene	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.029		0.029	< 0.0058		0.0058	< 0.011		0.011	< 0.012		0.012	0.006	J	0.006	< 0.014		0.014	< 0.0058		0.0058	
Trichlorofluoromethane	mg/kg	NA			NA			NA			NA			NA			NA			NA		NA							NA			
Vinyl chloride	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.029		0.029	< 0.0058		0.0058	NA			NA		NA							NA			
Xylenes, total	mg/kg	NA			NA			NA			NA			NA			< 0.011		0.011	< 0.012		0.012	< 0.011		0.011	< 0.014		0.014	NA			
Semivolatile Organic Compound																																
2-Methylnaphthalene	mg/kg	NA			NA			NA			NA			NA			NA			NA		NA							NA			
Acenaphthene	mg/kg	NA			NA			NA			NA			NA			NA			NA		NA							NA			
Anthracene	mg/kg	NA			NA			NA			NA			NA			NA			NA		NA							NA			
Benzo[a]anthracene	mg/kg	NA			NA			NA			NA			NA			NA			NA		NA							NA			
Benzo[a]pyrene	mg/kg	NA			NA			NA			NA			NA			NA			NA		NA							NA			
Benzo[b]fluoranthene	mg/kg	NA			NA			NA			NA			NA			NA			NA		NA							NA			
Benzo[g,h,i]perylene	mg/kg	NA			NA			NA			NA			NA			NA			NA		NA							NA			
Benzo[k]fluoranthene	mg/kg	NA			NA			NA			NA			NA			NA			NA		NA							NA			
Bis(2-ethylhexyl) phthalate	mg/kg	NA			NA			NA			NA			NA			NA			NA		NA							NA			
Chrysene	mg/kg	NA			NA			NA			NA			NA			NA			NA		NA							NA			
Dibenz[a,h]anthracene	mg/kg	NA			NA			NA			NA			NA			NA			NA		NA							NA			
Dibenzofuran	mg/kg	NA			NA			NA			NA			NA			NA			NA		NA							NA			

Table 1
Historical Soil Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date	29 Nov 2000	29 Nov 2000	29 Nov 2000	29 Nov 2000	29 Nov 2000	30 Jul 1996	30 Jul 1996	30 Jul 1996	30 Jul 1996	30 Nov 2000									
Location ID	VER-5	VER-6	VER-7	VER-8	VER-9	TB-96-4	TB-96-4D	TB-96-5	TB-96-6	CHAR-5									
Sample Type	N	N	N	N	N	N	N	N	N	N									
Start Depth	4	4	0	4	4	4	4	4	2	4									
End Depth	7.2	7.3	4	6	6	6	6	6	4	7.7									
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Di-n-octyl phthalate	mg/kg	NA			NA			NA			NA			NA			NA		
Fluoranthene	mg/kg	NA			NA			NA			NA			NA			NA		
Fluorene	mg/kg	NA			NA			NA			NA			NA			NA		
Indeno[1,2,3-c,d]pyrene	mg/kg	NA			NA			NA			NA			NA			NA		
Naphthalene	mg/kg	NA			NA			NA			NA			NA			NA		
Phenanthrene	mg/kg	NA			NA			NA			NA			NA			NA		
Pyrene	mg/kg	NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																			
Aroclor-1254	mg/kg	NA			NA			NA			NA			NA			NA		
Aroclor-1260	mg/kg	NA			NA			NA			NA			NA			NA		
Chloroethane	mg/kg	< 0.0059		0.0059	< 0.006		0.006	< 0.0058		0.0058	< 0.029		0.029	< 0.0058		0.0058	NA		
Metals																			
Aluminum	mg/kg	NA			NA			NA			NA			NA			NA		
Arsenic	mg/kg	NA			NA			NA			NA			NA			NA		
Barium	mg/kg	NA			NA			NA			NA			NA			NA		
Beryllium	mg/kg	NA			NA			NA			NA			NA			NA		
Cadmium	mg/kg	NA			NA			NA			NA			NA			NA		
Calcium	mg/kg	NA			NA			NA			NA			NA			NA		
Chromium	mg/kg	NA			NA			NA			NA			NA			NA		
Cobalt	mg/kg	NA			NA			NA			NA			NA			NA		
Copper	mg/kg	NA			NA			NA			NA			NA			NA		
Iron	mg/kg	NA			NA			NA			NA			NA			NA		
Lead	mg/kg	NA			NA			NA			NA			NA			NA		
Magnesium	mg/kg	NA			NA			NA			NA			NA			NA		
Manganese	mg/kg	NA			NA			NA			NA			NA			NA		
Nickel	mg/kg	NA			NA			NA			NA			NA			NA		
Potassium	mg/kg	NA			NA			NA			NA			NA			NA		
Silver	mg/kg	NA			NA			NA			NA			NA			NA		
Sodium	mg/kg	NA			NA			NA			NA			NA			NA		
Vanadium	mg/kg	NA			NA			NA			NA			NA			NA		
Zinc	mg/kg	NA			NA			NA			NA			NA			NA		
Mercury	mg/kg	NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:

N = normal sample

NA = not analyzed

mg/kg = milligram per kilogram

RL = reporting limit

Qual = interpreted qualifier

Table 1
Historical Soil Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Start Depth End Depth		30 Nov 2000 VER-11 N 0 4		30 Nov 2000 VER-12 N 4 5		30 Nov 2000 VER-4 N 4 6	
Analyte	Unit	Result	Qual	RL	Result	Qual	RL
Volatile Organic Compounds							
1,1,1-Trichloroethane	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
1,1-Dichloroethane	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
1,1-Dichloroethene	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
1,2-Dichloroethane	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
1,2-Dichloroethylene, total	mg/kg	NA		NA		NA	
1,2-Dichloropropane	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
2-Butanone	mg/kg	0.022		0.012	< 0.011	0.011	< 0.011
2-Chloroethyl vinyl ether	mg/kg	NA		NA		NA	
2-Hexanone	mg/kg	< 0.012		0.012	< 0.0056	0.0056	< 0.0056
4-Methyl-2-pentanone	mg/kg	< 0.012		0.012	< 0.0056	0.0056	< 0.011
Acetone	mg/kg	NA		< 0.023		0.023	NA
Benzene	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
Bromodichloromethane	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
Bromoform	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
Bromomethane	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
Carbon disulfide	mg/kg	< 0.012		0.012	< 0.011	0.011	< 0.011
Carbon tetrachloride	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0058
Chlorobenzene	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
Chloroform	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
Chloromethane	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
cis-1,2-Dichloroethylene	mg/kg	0.025		0.0056		0.0056	0.021
cis-1,3-Dichloropropene	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
Dibromochloromethane	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
Ethylbenzene	mg/kg	< 0.006		0.006	< 0.011	0.011	< 0.0056
m,p-Xylene	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
Methylene chloride	mg/kg	< 0.006		0.006	< 0.011	0.011	< 0.0056
o-Xylene	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
Styrene	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
Tetrachloroethylene	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
Toluene	mg/kg	0.15		0.15	0.0056	0.0056	0.031
trans-1,2-Dichloroethylene	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
trans-1,3-Dichloropropene	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.012
Trichloroethylene	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
Trichlorofluoromethane	mg/kg	NA		NA		NA	
Vinyl chloride	mg/kg	< 0.006		0.006	< 0.0056	0.0056	< 0.0056
Xylenes, total	mg/kg	NA		NA		NA	
Semivolatile Organic Compound							
2-Methylnaphthalene	mg/kg	NA		NA		NA	
Acenaphthene	mg/kg	NA		NA		NA	
Anthracene	mg/kg	NA		NA		NA	
Benzo[a]anthracene	mg/kg	NA		NA		NA	
Benzo[a]pyrene	mg/kg	NA		NA		NA	
Benzo[b]fluoranthene	mg/kg	NA		NA		NA	
Benzo[g,h,i]perylene	mg/kg	NA		NA		NA	
Benzo[k]fluoranthene	mg/kg	NA		NA		NA	
Bis(2-ethylhexyl) phthalate	mg/kg	NA		NA		NA	
Chrysene	mg/kg	NA		NA		NA	
Dibenz[a,h]anthracene	mg/kg	NA		NA		NA	
Dibenzofuran	mg/kg	NA		NA		NA	

Table 1
Historical Soil Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Start Depth End Depth		30 Nov 2000 VER-11 N 0 4			30 Nov 2000 VER-12 N 4 5			30 Nov 2000 VER-4 N 4 6		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Di-n-octyl phthalate	mg/kg	NA			NA			NA		
Fluoranthene	mg/kg	NA			NA			NA		
Fluorene	mg/kg	NA			NA			NA		
Indeno[1,2,3-c,d]pyrene	mg/kg	NA			NA			NA		
Naphthalene	mg/kg	NA			NA			NA		
Phenanthrene	mg/kg	NA			NA			NA		
Pyrene	mg/kg	NA			NA			NA		
Polychlorinated Biphenyls										
Aroclor-1254	mg/kg	NA			NA			NA		
Aroclor-1260	mg/kg	NA			NA			NA		
Chloroethane	mg/kg	< 0.006		0.006	< 0.0056		0.0056	< 0.011		0.011
Metals										
Aluminum	mg/kg	NA			NA			NA		
Arsenic	mg/kg	NA			NA			NA		
Barium	mg/kg	NA			NA			NA		
Beryllium	mg/kg	NA			NA			NA		
Cadmium	mg/kg	NA			NA			NA		
Calcium	mg/kg	NA			NA			NA		
Chromium	mg/kg	NA			NA			NA		
Cobalt	mg/kg	NA			NA			NA		
Copper	mg/kg	NA			NA			NA		
Iron	mg/kg	NA			NA			NA		
Lead	mg/kg	NA			NA			NA		
Magnesium	mg/kg	NA			NA			NA		
Manganese	mg/kg	NA			NA			NA		
Nickel	mg/kg	NA			NA			NA		
Potassium	mg/kg	NA			NA			NA		
Silver	mg/kg	NA			NA			NA		
Sodium	mg/kg	NA			NA			NA		
Vanadium	mg/kg	NA			NA			NA		
Zinc	mg/kg	NA			NA			NA		
Mercury	mg/kg	NA			NA			NA		

Notes and Abbreviations:

N = normal sample

NA = not analyzed

mg/kg = milligram per kilogram

RL = reporting limit

Qual = interpreted qualifier

Table 2
Historical Groundwater Gauging
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample ID	Date	Gauging Data			Comments
		Top of Casing Elevation	Depth to Water (feet)	Corrected GW Elevation (feet)	
LAKE WASHINGTON	09/26/2001	301.83	5.7	296.13	
	12/06/2001	301.83	1.33	300.5	
	12/18/2001	301.83	6.55	295.28	
	03/19/2002	301.83	10.15	291.68	
	06/19/2002	301.83	1.68	300.15	
	09/26/2002	301.83	6.71	295.12	
	12/16/2002	301.83	0.09	301.74	
	06/18/2003	301.83	0.7	301.13	
	08/06/2004	301.83	0.96	300.87	
	12/16/2004	301.83	0.3	301.53	
	06/22/2005	301.83	1.26	300.57	
	12/13/2005	301.83	2	299.83	
	08/28/2006	301.83	2.12	299.71	
	12/18/2006	301.83	2.44	299.39	
	03/27/2007	301.83	0.2	301.63	
	11/06/2007	301.83	3.18	298.65	
	03/03/2012	301.83	1.95	299.88	
	05/22/2017	301.83	NM	NM	Could not locate
	12/10/2019	301.83	NM	NM	Measurements could not be obtained due to the presence of ice.
LAKE WASHINGTON SB	09/26/2001	290.02	0.25	289.77	
	12/06/2001	290.02	-0.25	290.27	
	12/17/2001	290.02	0.42	289.6	
	03/19/2002	290.02	-0.13	290.15	
	06/19/2002	290.02	-0.5	290.52	
	09/26/2002	290.02	0.08	289.94	
	12/16/2002	290.02	NM	NM	Measurements could not be obtained due to the presence of ice.
	06/18/2003	290.02	-0.58	290.6	
	08/06/2004	290.02	-0.33	290.35	
	12/16/2004	290.02	NM	NM	Measurements could not be obtained due to the presence of ice.
	06/22/2005	290.02	0.26	289.76	
	12/13/2005	290.02	NM	NM	Measurements could not be obtained due to the presence of ice.
	08/28/2006	290.02	NM	NM	Unable to locate Lake Washington Stilling Basin gauge.
	12/18/2006	290.02	-0.4	290.42	
	03/27/2007	290.02	NM	NM	Unable to locate Lake Washington Stilling Basin gauge.
	11/06/2007	290.02	-0.4	290.42	
	03/03/2012	290.02	-0.5	290.52	
	05/22/2017	290.02	NM	NM	Measuring point under water
	12/10/2019	290.02	NM	NM	Measurements could not be obtained due to the presence of ice.

Table 2
Historical Groundwater Gauging
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample ID	Date	Gauging Data			Comments
		Top of Casing Elevation	Depth to Water (feet)	Corrected GW Elevation (feet)	
MW01-8A	09/26/2001	297.39	NM	NM	Dry
	12/06/2001	297.39	7.92	289.47	
	12/17/2001	297.39	NM	NM	Dry
	03/19/2002	297.39	NM	NM	Dry
	06/19/2002	297.39	9.57	287.82	
	09/26/2002	297.39	NM	NM	Dry
	12/16/2002	297.39	6.13	291.26	
	06/18/2003	297.39	7.3	290.09	
	08/06/2004	297.39	9.51	287.88	
	12/16/2004	297.39	7.27	290.12	
	06/22/2005	297.39	9.11	288.28	
	12/13/2005	297.39	7	290.39	
	08/28/2006	297.39	10.73	286.66	
	12/18/2006	297.39	8.84	288.55	
	03/27/2007	297.39	6.44	290.95	
	11/06/2007	297.39	9.62	287.77	
	03/03/2012	297.39	6.06	291.33	
	05/22/2017	297.39	NM	NM	Dry
	10/29/2018	296.76	10.76	286	
	12/10/2019	296.76	10.72	286.04	
	03/17/2020	296.76	10.82	285.94	
MW01-8B	09/26/2001	297.35	14.14	283.21	
	12/06/2001	297.35	9.08	288.27	
	12/17/2001	297.35	17.12	280.23	
	03/19/2002	297.35	15.73	281.62	
	06/19/2002	297.35	10.41	286.94	
	09/26/2002	297.35	17.5	279.85	
	12/16/2002	297.35	7.02	290.33	
	06/18/2003	297.35	8.04	289.31	
	08/06/2004	297.35	10.51	286.84	
	12/16/2004	297.35	10.05	287.3	
	06/22/2005	297.35	9.95	287.4	
	12/13/2005	297.35	8.4	288.95	
	08/28/2006	297.35	12.03	285.32	
	12/18/2006	297.35	10.23	287.12	
	03/27/2007	297.35	7.8	289.55	
	11/06/2007	297.35	10.99	286.36	
	03/03/2012	297.35	6.93	290.42	
	05/22/2017	296.7	11.38	285.32	
	10/29/2018	296.82	11.48	285.34	
	12/10/2019	296.82	13.34	283.48	
	03/17/2020	296.82	15.24	281.58	

Table 2
Historical Groundwater Gauging
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample ID	Date	Gauging Data			Comments
		Top of Casing Elevation	Depth to Water (feet)	Corrected GW Elevation (feet)	
MW05-8C	12/13/2005	296.89	18.76	278.13	
	08/28/2006	296.89	20.58	276.31	
	12/18/2006	296.89	18.87	278.02	
	03/27/2007	296.89	14.61	282.28	
	11/06/2007	296.89	18.86	278.03	
	05/22/2017	295.95	20.92	275.03	
	10/29/2018	N/A	N/A	N/A	Well Converted to MW18-8E/8F
MW06-2C	08/28/2006	298.7	32.52	266.18	
	12/18/2006	298.7	31.7	267	
	03/27/2007	298.7	24.57	274.13	
	11/06/2007	298.7	33.09	265.61	
	05/22/2017	298.01	30.4	267.61	
	10/29/2018	298.01	31.38	266.63	
	12/10/2019	298.01	34.91	263.1	
MW06-4C	08/28/2006	299.92	44.05	255.87	
	12/18/2006	299.92	26.54	273.38	
	03/27/2007	299.92	23.62	276.3	
	11/06/2007	299.92	24.42	275.5	
	05/22/2017	N/A	N/A	N/A	Well Previously Abandoned/Destroyed
MW06-9C	08/28/2006	315.27	51.5	263.77	
	12/18/2006	315.27	49.11	266.16	
	03/27/2007	315.27	36.88	278.39	
	11/06/2007	315.27	53.71	261.56	
	05/22/2017	314.53	47.02	267.51	
	10/29/2018	314.5	45.1	269.4	
	12/10/2019	314.5	52.7	261.8	
MW18-10A	03/17/2020	314.5	54.5	260	
	10/29/2018	295.42	3.75	291.67	
	12/10/2019	295.42	3	292.42	
MW18-10B	03/17/2020	295.42	4.1	291.32	
	10/29/2018	295.82	24.99	270.83	
	12/10/2019	295.82	26.85	268.97	
MW18-10C	03/17/2020	295.82	27.48	268.34	
	10/29/2018	295.82	141.9	153.92	
	12/10/2019	295.82	28.77	267.05	
MW18-11A	03/17/2020	295.82	27.16	268.66	
	10/29/2018	295.39	4.84	290.55	
	12/10/2019	295.39	3.62	291.77	
MW18-11B	03/17/2020	295.39	5.64	289.75	
	10/29/2018	295.54	28.05	267.49	
	12/10/2019	295.54	26.31	269.23	
	03/17/2020	295.54	26.91	268.63	

Table 2
Historical Groundwater Gauging
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample ID	Date	Gauging Data			Comments
		Top of Casing Elevation	Depth to Water (feet)	Corrected GW Elevation (feet)	
MW18-11C	10/29/2018	295.51	24.68	270.83	
	12/10/2019	295.51	29.83	265.68	
	03/17/2020	295.51	30.31	265.2	
MW18-12A	10/29/2018	294.66	7.81	286.85	
	12/10/2019	294.66	9.92	284.74	
	03/17/2020	294.66	10.22	284.44	
MW18-12B	10/29/2018	294.87	31.21	263.66	
	12/10/2019	294.87	29.17	265.7	
	03/17/2020	294.87	31.3	263.57	
MW18-12C	10/29/2018	294.88	73.5	221.38	
	12/10/2019	294.88	31.29	263.59	
	03/17/2020	294.88	30.83	264.05	
MW18-13B	10/29/2018	293.97	27.02	266.95	
	12/10/2019	293.97	21.55	272.42	
	03/17/2020	293.97	29.74	264.23	
MW18-13C	10/29/2018	293.97	28.89	265.08	
	12/10/2019	293.97	28.79	265.18	
	03/17/2020	293.97	30.77	263.2	
MW18-14A	10/29/2018	297.55	7.05	290.5	
	12/10/2019	297.55	6.81	290.74	
	03/17/2020	297.55	7.53	290.02	
MW18-14B	10/29/2018	297.63	13.06	284.57	
	12/10/2019	297.63	16.62	281.01	
	03/17/2020	297.63	19.98	277.65	
MW18-14C	10/29/2018	297.65	91.66	205.99	
	12/10/2019	297.65	33	264.65	
	03/17/2020	297.65	31.35	266.3	
MW18-8D	10/29/2018	296.44	40.35	256.09	
	12/10/2019	296.44	15.26	281.18	
	03/17/2020	296.44	14.77	281.67	
MW18-8E	10/29/2018	295.97	18.8	277.17	
	12/10/2019	295.97	28.9	267.07	
	03/17/2020	295.97	28.93	267.04	
MW18-8F	10/29/2018	296.02	21.11	274.91	
	12/10/2019	296.02	28.5	267.52	
	03/17/2020	296.02	29.07	266.95	

Table 2
Historical Groundwater Gauging
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample ID	Date	Gauging Data			Comments
		Top of Casing Elevation	Depth to Water (feet)	Corrected GW Elevation (feet)	
MW94-1B	09/26/2001	295.24	10.52	284.72	
	12/06/2001	295.24	5.4	289.84	
	12/17/2001	295.24	12.79	282.45	
	03/19/2002	295.24	12.2	283.04	
	06/19/2002	295.24	7.25	287.99	
	09/26/2002	295.24	12.72	282.52	
	12/16/2002	295.24	3.81	291.43	
	06/18/2003	297.54	7.23	290.31	
	08/06/2004	297.54	9.35	288.19	
	12/16/2004	297.54	7.22	290.32	
	06/22/2005	297.54	8.98	288.56	
	08/28/2006	297.54	10.91	286.63	
	12/18/2006	297.54	8.69	288.85	
	03/27/2007	297.54	6.47	291.07	
	11/06/2007	297.54	9.43	288.11	
	03/03/2012	297.54	6.06	291.48	
	12/05/2012	297.54	7.02	290.52	
	05/22/2017	296.67	10.21	286.46	
	10/29/2018	296.78	10.16	286.62	
	12/10/2019	296.78	12.05	284.73	
	03/17/2020	296.78	12.46	284.32	
MW94-2	12/17/2001	297.87	NM	NM	Dry
	03/19/2002	297.87	NM	NM	Dry
	06/19/2002	297.87	10.71	287.16	
	09/26/2002	297.87	NM	NM	Dry
	12/16/2002	297.87	7.43	290.44	
	06/18/2003	297.87	8.14	289.73	
	08/06/2004	297.87	10.12	287.75	
	12/16/2004	297.87	8.07	289.8	
	06/22/2005	297.87	10.04	287.83	
	12/13/2005	297.87	7.97	289.9	
	08/28/2006	297.87	11.47	286.4	
	12/18/2006	297.87	9.14	288.73	
	03/27/2007	297.87	6.7	291.17	
	11/06/2007	297.87	10.12	287.75	
	03/03/2012	297.87	7.36	290.51	
	05/22/2017	297.23	9.53	287.7	
	10/29/2018	297.24	10.06	287.18	
	12/10/2019	297.24	12.5	284.74	
	03/17/2020	297.24	12.49	284.75	

Table 2
Historical Groundwater Gauging
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample ID	Date	Gauging Data			Comments
		Top of Casing Elevation	Depth to Water (feet)	Corrected GW Elevation (feet)	
MW94-2B	12/17/2001	298.61	19.17	279.44	
	03/19/2002	298.61	17.11	281.5	
	06/19/2002	298.61	11.44	287.17	
	09/26/2002	298.61	18.85	279.76	
	12/16/2002	298.61	8.21	290.4	
	06/18/2003	298.61	8.9	289.71	
	08/06/2004	298.61	10.86	287.75	
	12/16/2004	298.61	8.5	290.11	
	06/22/2005	298.61	10.82	287.79	
	12/13/2005	298.61	8.72	289.89	
	08/28/2006	298.61	12.21	286.4	
	12/18/2006	298.61	9.87	288.74	
	03/27/2007	298.61	7.45	291.16	
	11/06/2007	298.61	10.88	287.73	
	03/03/2012	298.61	8.13	290.48	
	05/22/2017	297.87	10.3	287.57	
	10/29/2018	298	10.83	287.17	
	12/10/2019	298	13.06	284.94	
	03/17/2020	298	13.25	284.75	
MW94-3	12/17/2001	303.89	18.11	285.78	
	03/19/2002	303.89	18.25	285.64	
	06/19/2002	303.89	12.34	291.55	
	09/26/2002	303.89	15.88	288.01	
	12/16/2002	303.89	7.2	296.69	
	06/18/2003	303.89	10.11	293.78	
	08/06/2004	303.89	12.1	291.79	
	12/16/2004	303.89	9.67	294.22	
	06/22/2005	303.89	9.67	294.22	
	12/13/2005	303.89	8.24	295.65	
	08/28/2006	303.89	12.95	290.94	
	12/18/2006	303.89	10.32	293.57	
	03/27/2007	303.89	6.67	297.22	
	11/06/2007	303.89	11.54	292.35	
	03/03/2012	303.89	7.9	295.99	
	05/22/2017	303.27	9.86	293.41	
	10/29/2018	303.3	9.8	293.5	
	12/10/2019	303.3	11.5	291.8	
	03/17/2020	303.3	10.85	292.45	

Table 2
Historical Groundwater Gauging
 Central Hudson Gas Electric Corp.
 610 Little Britain Road, New Windsor, New York

Sample ID	Date	Gauging Data			Comments
		Top of Casing Elevation	Depth to Water (feet)	Corrected GW Elevation (feet)	
MW94-4B2	12/17/2001	299.42	15.89	283.53	
	03/19/2002	299.42	15.7	283.72	
	06/19/2002	299.42	9.44	289.98	
	09/26/2002	299.42	13.92	285.5	
	12/16/2002	299.42	5.93	293.49	
	06/18/2003	299.42	8.59	290.83	
	08/06/2004	299.42	11.21	288.21	
	12/16/2004	299.42	8.77	290.65	
	06/22/2005	299.42	11.53	287.89	
	12/13/2005	299.42	8.85	290.57	
	08/28/2006	299.42	12.35	287.07	
	12/18/2006	299.42	10.86	288.56	
	03/27/2007	299.42	7.35	292.07	
	11/06/2007	299.42	11.2	288.22	
	03/03/2012	299.42	6.85	292.57	
	05/22/2017	299.42	N/A	N/A	Well Previously Abandoned/Destroyed
MW96-5	09/26/2001	297.62	10.75	286.87	
	12/06/2001	297.62	5.74	291.88	
	12/17/2001	297.62	11.44	286.18	
	03/19/2002	297.62	10.31	287.31	
	06/19/2002	297.62	5.44	292.18	
	09/26/2002	297.62	9.81	287.81	
	12/16/2002	297.62	2.61	295.01	
	06/18/2003	300.86	8.05	292.81	
	08/06/2004	300.86	9.6	291.26	
	12/16/2004	300.86	7.85	293.01	
	06/22/2005	300.86	9.68	291.18	
	12/13/2005	300.86	6.78	294.08	
	08/28/2006	300.86	9.6	291.26	
	12/18/2006	300.86	8.42	292.44	
	03/27/2007	300.86	5.44	295.42	
	11/06/2007	300.86	9.19	291.67	
	03/03/2012	300.86	6.55	294.31	
	05/22/2017	300.41	7.98	292.43	
	10/29/2018	300.39	7.88	292.51	
	12/10/2019	300.39	7.66	292.73	
	03/17/2020	300.39	9.1	291.29	

Table 2
Historical Groundwater Gauging
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample ID	Date	Gauging Data			Comments
		Top of Casing Elevation	Depth to Water (feet)	Corrected GW Elevation (feet)	
MW96-6	09/26/2001	301.02	13.35	287.67	
	12/06/2001	301.02	9.93	291.09	
	12/17/2001	301.02	15.62	285.4	
	03/19/2002	301.02	14.15	286.87	
	06/19/2002	301.02	9.09	291.93	
	09/26/2002	301.02	14.29	286.73	
	12/16/2002	301.02	7.15	293.87	
	06/18/2003	303.95	11.35	292.6	
	08/06/2004	303.95	13.28	290.67	
	12/16/2004	303.95	9.05	294.9	
	06/22/2005	303.95	12.81	291.14	
	12/13/2005	303.95	10.92	293.03	
	08/28/2006	303.95	13.4	290.55	
	12/18/2006	303.95	11.84	292.11	
	03/27/2007	303.95	9.31	294.64	
	11/06/2007	303.95	13.33	290.62	
	03/03/2012	303.95	9.88	294.07	
	05/22/2017	303.5	11.14	292.36	
	10/29/2018	303.13	11	292.13	
	12/10/2019	303.13	11.11	292.02	
	03/17/2020	303.13	12.42	290.71	
MW96-7B	09/26/2001	295.23	12.6	282.63	
	12/06/2001	295.23	8	287.23	
	12/17/2001	295.23	14.91	280.32	
	03/19/2002	295.23	15.22	280.01	
	06/19/2002	295.23	9.96	285.27	
	09/26/2002	295.23	15.03	280.2	
	12/16/2002	295.23	4.8	290.43	
	06/18/2003	295.23	7.17	288.06	
	08/06/2004	295.23	9.37	285.86	
	12/16/2004	295.23	6.89	288.34	
	06/22/2005	295.23	9.12	286.11	
	12/13/2005	295.23	6.78	288.45	
	08/28/2006	295.23	9.71	285.52	
	12/18/2006	295.23	9.63	285.6	
	03/27/2007	295.23	5.68	289.55	
	11/06/2007	295.23	10.02	285.21	
	03/03/2012	295.23	4.86	290.37	
	05/22/2017	294.52	10.77	283.75	
	10/29/2018	294.62	9.72	284.9	
	12/10/2019	294.62	12.99	281.63	
	03/17/2020	294.62	14.67	279.95	
SG-1	10/29/2018	293.93	NM	NM	Dry
	12/10/2019	293.93	NM	NM	Measurements could not be obtained due to the presence of ice.

Table 2
Historical Groundwater Gauging
 Central Hudson Gas Electric Corp.
 610 Little Britain Road, New Windsor, New York

		Gauging Data			Comments
Sample ID	Date	Top of Casing Elevation	Depth to Water (feet)	Corrected GW Elevation (feet)	

Notes:

Depth to Water - measured in feet below land surface from top of casing

GW - Groundwater

N/A - Not applicable

NM - Not measured

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		9/1/1995 MW94-5 N			9/18/1995 MW94-1B N			8/1/1996 MW94-1B N			8/1/1996 MW96-6 N			8/1/1996 MW96-7B N			11/1/2000 MW94-1B N			11/1/2000 MW94-5 N			11/1/2000 MW96-6 N			11/1/2000 MW96-7B N			6/11/2001 MW01-8A N				
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL		
Volatile Organic Compounds																																	
1,1,1-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
1,1,2-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
1,1-Dichloroethane	ug/L	0.5	J		< 1	U	1	< 0.5	U	0.5	< 0.5	U	0.5	8.5	J		< 5	U	5	1.1	J		< 5	U	5	12			< 5	U	5		
1,1-Dichloroethene	ug/L	< 1	U	1	< 1	U	1	< 0.5	U	0.5	< 0.5	U	0.5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5		
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
1,2-Dichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
1,2-Dichloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
2-Butanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
2-Hexanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
4-Methyl-2-pentanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Acetone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Benzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Bromodichloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Bromoform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Bromomethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Carbon disulfide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Carbon tetrachloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Chlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Chloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Chloroform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Chloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
cis-1,2-Dichloroethylene	ug/L	1.6	J		114	JD		280			< 0.84	U	0.84	120			190			< 5	U	5	< 5	U	5	58			21				
cis-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Dibromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Ethylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Isopropylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
m/p-Xylene	ug/L	< 1	U	1	< 1	U	1	< 0.8	U	0.8	< 0.8	U	0.8	< 8	U	8	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5		
Methyl acetate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Methyl cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Methyl tert-butyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Methylene chloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
o-Xylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Styrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Tetrachloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Toluene	ug/L	< 1	U	1	< 1	U	1	< 0.5	U	0.5	< 0.5	U	0.5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5		
trans-1,2-Dichloroethylene	ug/L	< 1	U	1	< 1	U	1	< 0.5	U	0.5	< 0.5	U	0.5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	1.9	J	< 5	U	5
trans-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Trichloroethylene	ug/L	< 1	U	1	130	JD		21	J		< 0.5	U	0.5	14	J		59			< 5	U	5	< 5	U	5	15			28				
Trichlorofluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Vinyl chloride	ug/L	< 1	U	1	11	J		< 0.74	U	0.74	< 0.74	U	0.74	< 7.4	U	7.4	1.4	J		< 5	U	5	< 5	U	5	38			< 5	U	5		
Xylenes, total	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		9/1/1995 MW94-5 N			9/18/1995 MW94-1B N			8/1/1996 MW94-1B N			8/1/1996 MW96-6 N			8/1/1996 MW96-7B N			11/1/2000 MW94-1B N			11/1/2000 MW94-5 N			11/1/2000 MW96-6 N			11/1/2000 MW96-7B N			6/11/2001 MW01-8A N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Semivolatile Organic Compounds																															
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Atrazine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbazole	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chrysene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Diethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dimethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobutadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorocyclopentadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachloroethane	ug/L	NA			NA&gt																										

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		9/1/1995 MW94-5 N			9/18/1995 MW94-1B N			8/1/1996 MW94-1B N			8/1/1996 MW96-6 N			8/1/1996 MW96-7B N			11/1/2000 MW94-1B N			11/1/2000 MW94-5 N			11/1/2000 MW96-6 N			11/1/2000 MW96-7B N			6/11/2001 MW01-8A N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Pesticides																															
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																															
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroalkyl and Polyfluoroalkyl Substances																															
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
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Sample Date Location ID Sample Type		9/1/1995 MW94-5 N			9/18/1995 MW94-1B N			8/1/1996 MW94-1B N			8/1/1996 MW96-6 N			8/1/1996 MW96-7B N			11/1/2000 MW94-1B N			11/1/2000 MW94-5 N			11/1/2000 MW96-6 N			11/1/2000 MW96-7B N			6/11/2001 MW01-8A N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																															
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
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Sample Date Location ID Sample Type		6/11/2001 MW01-8B N			6/12/2001 MW01-8A N			6/12/2001 MW94-1B N			6/12/2001 MW94-5 N			6/12/2001 MW96-6 N			6/12/2001 MW96-7B N			9/26/2001 MW01-8B N			9/26/2001 MW94-1B N			9/26/2001 MW94-5 N			9/26/2001 MW96-6 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Volatile Organic Compounds																															
1,1,1-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	14			< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
1,1-Dichloroethene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromodichloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromoform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromomethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon disulfide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon tetrachloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
cis-1,2-Dichloroethylene	ug/L	740			12			78			< 5	U	5	< 5	U	5	62			590			160			< 5	U	5	< 5	U	5
cis-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Isopropylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
m/p-Xylene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
Methyl acetate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-butyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methylene chloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
o-Xylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Styrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Tetrachloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toluene	ug/L	11			< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	6			< 5	U	5	< 5	U	5	< 5	U	5
trans-1,2-Dichloroethylene	ug/L	5.4			< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
trans-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Trichloroethylene	ug/L	640			23			13			< 5	U	5	< 5	U	5	21			300			86			< 5	U	5	< 5	U	5
Trichlorofluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vinyl chloride	ug/L	80			< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	35			37			9.0			< 5	U	5	< 5	U	5
Xylenes, total	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

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	Sample Date Location ID Sample Type	6/11/2001 MW01-8B N			6/12/2001 MW01-8A N			6/12/2001 MW94-1B N			6/12/2001 MW94-5 N			6/12/2001 MW96-6 N			6/12/2001 MW96-7B N			9/26/2001 MW01-8B N			9/26/2001 MW94-1B N			9/26/2001 MW94-5 N			9/26/2001 MW96-6 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL			
Semivolatile Organic Compounds																															
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Atrazine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Carbazole	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Chrysene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Diethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dimethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Fluorene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Hexachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Hexachlorobutadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Hexachlorocyclopentadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Hexachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Indeno[1,2,3-c,d]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Isophorone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Naphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Nitrobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
n-Nitrosodi-n-propylamine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
n-Nitrosodiphenylamine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Pentachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Phenanthrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					
Phenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					

Table 3
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Sample Date Location ID Sample Type		6/11/2001 MW01-8B N			6/12/2001 MW01-8A N			6/12/2001 MW94-1B N			6/12/2001 MW94-5 N			6/12/2001 MW96-6 N			6/12/2001 MW96-7B N			9/26/2001 MW01-8B N			9/26/2001 MW94-1B N			9/26/2001 MW94-5 N			9/26/2001 MW96-6 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Pesticides																															
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																															
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroalkyl and Polyfluoroalkyl Substances																															
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NETFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

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Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																															
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

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Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL			
Volatile Organic Compounds																																		
1,1,1-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,1,2-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,1-Dichloroethane	ug/L	14			< 10	U	10	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5			
1,1-Dichloroethene	ug/L	< 5	U		< 10	U	10	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5			
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2-Dichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2-Dichloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Butanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Hexanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Methyl-2-pentanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acetone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bromodichloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bromoform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bromomethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Carbon disulfide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Carbon tetrachloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Chlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Chloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Chloroform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Chloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
cis-1,2-Dichloroethylene	ug/L	120			200			340			< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	96			59			< 5	U	5	< 5	U	5
cis-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dibromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Ethylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Isopropylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
m/p-Xylene	ug/L	< 5	U		< 10	U	10	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5			
Methyl acetate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Methyl cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Methyl tert-butyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Methylene chloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
o-Xylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Styrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Tetrachloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Toluene	ug/L	< 5	U		< 10	U	10	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5			
trans-1,2-Dichloroethylene	ug/L	< 5	U		< 10	U	10	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5			
trans-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Trichloroethylene	ug/L	34			80			180			< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	12			33			< 5	U	5	< 5	U	5
Trichlorofluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Vinyl chloride	ug/L	86			12			240			< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5			
Xylenes, total	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					

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Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Semivolatile Organic Compounds																															
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Atrazine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbazole	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chrysene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Diethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dimethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobutadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorocyclopentadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA	</	

Table 3
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Sample Date Location ID Sample Type		9/26/2001 MW96-7B N			12/17/2001 MW01-8B N			12/17/2001 MW94-1B N			12/17/2001 MW94-5 N			12/17/2001 MW96-6 N			12/17/2001 MW96-7B N			3/19/2002 MW01-8B N			3/19/2002 MW94-1B N			3/19/2002 MW94-5 N			3/19/2002 MW96-6 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Pesticides																															
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																															
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroalkyl and Polyfluoroalkyl Substances																															
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

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Sample Date Location ID Sample Type		9/26/2001 MW96-7B N			12/17/2001 MW01-8B N			12/17/2001 MW94-1B N			12/17/2001 MW94-5 N			12/17/2001 MW96-6 N			12/17/2001 MW96-7B N			3/19/2002 MW01-8B N			3/19/2002 MW94-1B N			3/19/2002 MW94-5 N			3/19/2002 MW96-6 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																															
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
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Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Volatile Organic Compounds																															
1,1,1-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	7.2			< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
1,1-Dichloroethene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromodichloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromoform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromomethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon disulfide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon tetrachloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
cis-1,2-Dichloroethylene	ug/L	8.9			120			48			< 5	U	5	< 5	U	5	130			110			65			< 5	U	5	< 5	U	5
cis-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Isopropylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
m/p-Xylene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
Methyl acetate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-butyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methylene chloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
o-Xylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Styrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Tetrachloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toluene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
trans-1,2-Dichloroethylene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
trans-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Trichloroethylene	ug/L	5.0			22			22			< 5	U	5	< 5	U	5	8.6			< 5	U	5	31			8.2			8.0		
Trichlorofluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vinyl chloride	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	45			< 5	U	5	< 5	U	5	< 5	U	5	< 2	U	2
Xylenes, total	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
Historical Groundwater Analytical Summary
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Sample Date Location ID Sample Type		3/19/2002 MW96-7B N			6/19/2002 MW01-8B N			6/19/2002 MW94-1B N			6/19/2002 MW94-5 N			6/19/2002 MW96-6 N			6/19/2002 MW96-7B N			9/26/2002 MW01-8B N			9/26/2002 MW94-1B N			9/26/2002 MW96-7B N			12/16/2002 MW01-8A N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL			
Semivolatile Organic Compounds																															
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Atrazine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbazole	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chrysene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Diethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dimethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobutadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorocyclopentadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachloroethane	ug/L	NA			NA																										

Table 3
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Sample Date Location ID Sample Type		3/19/2002 MW96-7B N			6/19/2002 MW01-8B N			6/19/2002 MW94-1B N			6/19/2002 MW94-5 N			6/19/2002 MW96-6 N			6/19/2002 MW96-7B N			9/26/2002 MW01-8B N			9/26/2002 MW94-1B N			9/26/2002 MW96-7B N			12/16/2002 MW01-8A N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Pesticides																															
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																															
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroalkyl and Polyfluoroalkyl Substances																															
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

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Sample Date Location ID Sample Type		3/19/2002 MW96-7B N			6/19/2002 MW01-8B N			6/19/2002 MW94-1B N			6/19/2002 MW94-5 N			6/19/2002 MW96-6 N			6/19/2002 MW96-7B N			9/26/2002 MW01-8B N			9/26/2002 MW94-1B N			9/26/2002 MW96-7B N			12/16/2002 MW01-8A N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																															
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
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Sample Date Location ID Sample Type		12/16/2002 MW01-8B N			12/16/2002 MW94-1B N			12/16/2002 MW96-7B N			6/18/2003 MW01-8A N			6/18/2003 MW01-8B FD			6/18/2003 MW01-8B N			6/18/2003 MW94-1B N			6/18/2003 MW96-7B N			12/4/2003 MW01-8A N			12/4/2003 MW01-8B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Volatile Organic Compounds																															
1,1,1-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 25	U	25	< 5	U	5	< 5	U	5	8.3			< 5	U	5	< 5	U	5
1,1-Dichloroethene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 25	U	25	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromodichloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromoform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromomethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon disulfide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon tetrachloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
cis-1,2-Dichloroethylene	ug/L	71			7.8			75			< 5	U	5	990	D		140			9.6			27			< 5	U	5	500	D	
cis-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Isopropylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
m/p-Xylene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	5.3			< 25	U	25	6.9			6.0			< 5	U	5	< 5	U	5	< 5	U	5
Methyl acetate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-butyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methylene chloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
o-Xylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Styrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Tetrachloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toluene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 25	U	25	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
trans-1,2-Dichloroethylene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 25	U	25	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
trans-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Trichloroethylene	ug/L	28			9.0			< 5	U	5	< 5	U	5	480.00			12			5.2			9.2			< 5	U	5	300	D	
Trichlorofluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vinyl chloride	ug/L	< 2	U	2	< 2	U	2	35			< 2	U	2	130.00			5.7			< 2	U	2	11			< 2	U	2	37		
Xylenes, total	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
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Sample Date Location ID Sample Type		12/16/2002 MW01-8B N			12/16/2002 MW94-1B N			12/16/2002 MW96-7B N			6/18/2003 MW01-8A N			6/18/2003 MW01-8B FD			6/18/2003 MW01-8B N			6/18/2003 MW94-1B N			6/18/2003 MW96-7B N			12/4/2003 MW01-8A N			12/4/2003 MW01-8B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Semivolatile Organic Compounds																															
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Atrazine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbazole	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chrysene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Diethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dimethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobutadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorocyclopentadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachloroethane	ug/L																														

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Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Pesticides																															
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																															
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroalkyl and Polyfluoroalkyl Substances																															
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

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Sample Date Location ID Sample Type		12/16/2002 MW01-8B N			12/16/2002 MW94-1B N			12/16/2002 MW96-7B N			6/18/2003 MW01-8A N			6/18/2003 MW01-8B FD			6/18/2003 MW01-8B N			6/18/2003 MW94-1B N			6/18/2003 MW96-7B N			12/4/2003 MW01-8A N			12/4/2003 MW01-8B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																															
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		12/4/2003 MW94-1B N			12/4/2003 MW96-7B N			6/8/2004 MW01-8A N			6/8/2004 MW01-8B N			6/8/2004 MW94-1B N			6/8/2004 MW96-7B N			12/16/2004 MW01-8A N			12/16/2004 MW01-8B N			12/16/2004 MW01-8B-25-37.5 N			12/16/2004 MW01-8B-37.5-50 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Volatile Organic Compounds																															
1,1,1-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/L	< 5	U	5	12			< 5	U	5	< 5	U	5	< 5	U	5	8.7			< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
1,1-Dichloroethene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromodichloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromoform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromomethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon disulfide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon tetrachloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
cis-1,2-Dichloroethylene	ug/L	24			85			11			140			35			46			< 5	U	5	150			41			65		
cis-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Isopropylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
m/p-Xylene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
Methyl acetate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-butyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methylene chloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
o-Xylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Styrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Tetrachloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toluene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	37			26			< 5	U	5
trans-1,2-Dichloroethylene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
trans-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Trichloroethylene	ug/L	< 5	U	5	6			7.4			12			6.3			8.1			< 5	U	5	23.00			21.00			37.00		
Trichlorofluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vinyl chloride	ug/L	< 2	U	2	42			< 2	U	2	3.9			< 2	U	2	18			< 2	U	2	18.00			< 2	U	2	3.10		
Xylenes, total	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

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Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Semivolatile Organic Compounds																															
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Atrazine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbazole	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chrysene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Diethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dimethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobutadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorocyclopentadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

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Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Pesticides																															
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																															
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroalkyl and Polyfluoroalkyl Substances																															
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		12/4/2003 MW94-1B N			12/4/2003 MW96-7B N			6/8/2004 MW01-8A N			6/8/2004 MW01-8B N			6/8/2004 MW94-1B N			6/8/2004 MW96-7B N			12/16/2004 MW01-8A N			12/16/2004 MW01-8B N			12/16/2004 MW01-8B-25-37.5 N			12/16/2004 MW01-8B-37.5-50 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																															
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
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Sample Date Location ID Sample Type		12/16/2004 MW01-8B-45-50-1 N			12/16/2004 MW01-8B-45-50-2 N			12/16/2004 MW01-8B-45-50-3 N			12/16/2004 MW94-1B N			12/16/2004 MW94-4B2 N			12/16/2004 MW96-7B N			6/22/2005 MW01-8A N			6/22/2005 MW01-8B N			6/22/2005 MW94-1B N			6/22/2005 MW96-7B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Volatile Organic Compounds																															
1,1,1-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/L	< 5	U	5	< 5	U	5	< 10	U	10	< 5	U	5	< 5	U	5	7.4			< 5	U	5	< 5	U	5	< 5	U	5	11		
1,1-Dichloroethene	ug/L	< 5	U	5	< 5	U	5	< 10	U	10	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromodichloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromoform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromomethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon disulfide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon tetrachloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
cis-1,2-Dichloroethylene	ug/L	69			120			180			16			< 5	U	5	39			12			120			18			47		
cis-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Isopropylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
m/p-Xylene	ug/L	< 5	U	5	< 5	U	5	< 10	U	10	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
Methyl acetate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-butyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methylene chloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
o-Xylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Styrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Tetrachloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toluene	ug/L	21			59			59			< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
trans-1,2-Dichloroethylene	ug/L	< 5	U	5	< 5	U	5	< 10	U	10	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
trans-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Trichloroethylene	ug/L	37.00			32.00			26.00			< 5	U	5	< 5	U	5	6.7			8.4			6.40			< 5	U	5	15		
Trichlorofluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vinyl chloride	ug/L	3.50			13.00			24.00			< 2	U	2	< 2	U	2	17			< 2	U	2	9.20			< 2	U	2	18		
Xylenes, total	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
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Sample Date Location ID Sample Type		12/16/2004 MW01-8B-45-50-1 N			12/16/2004 MW01-8B-45-50-2 N			12/16/2004 MW01-8B-45-50-3 N			12/16/2004 MW94-1B N			12/16/2004 MW94-4B2 N			12/16/2004 MW96-7B N			6/22/2005 MW01-8A N			6/22/2005 MW01-8B N			6/22/2005 MW94-1B N			6/22/2005 MW96-7B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Semivolatile Organic Compounds																															
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Atrazine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbazole	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chrysene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Diethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dimethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobutadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorocyclopentadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Indeno[1,2,3-c,d]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Isophorone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Naphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nitrobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
n-Nitrosodi-n-propylamine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
n-Nitrosodiphenylamine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pentachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Phenanthrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Phenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
Historical Groundwater Analytical Summary
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Sample Date Location ID Sample Type		12/16/2004 MW01-8B-45-50-1 N			12/16/2004 MW01-8B-45-50-2 N			12/16/2004 MW01-8B-45-50-3 N			12/16/2004 MW94-1B N			12/16/2004 MW94-4B2 N			12/16/2004 MW96-7B N			6/22/2005 MW01-8A N			6/22/2005 MW01-8B N			6/22/2005 MW94-1B N			6/22/2005 MW96-7B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Pesticides																															
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																															
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroalkyl and Polyfluoroalkyl Substances																															
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
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Sample Date Location ID Sample Type		12/16/2004 MW01-8B-45-50-1 N			12/16/2004 MW01-8B-45-50-2 N			12/16/2004 MW01-8B-45-50-3 N			12/16/2004 MW94-1B N			12/16/2004 MW94-4B2 N			12/16/2004 MW96-7B N			6/22/2005 MW01-8A N			6/22/2005 MW01-8B N			6/22/2005 MW94-1B N			6/22/2005 MW96-7B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																															
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
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Sample Date Location ID Sample Type		8/10/2005 MW05-8C-50-75 N			8/11/2005 MW05-8C-75-100 N			8/15/2005 MW05-8C-100-125 N			12/13/2005 MW01-8A N			12/13/2005 MW01-8B N			12/13/2005 MW05-8C N			12/13/2005 MW96-7B N			12/15/2005 MW94-1B N			8/28/2006 MW01-8B N			8/28/2006 MW05-8C N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Volatile Organic Compounds																															
1,1,1-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/L	< 5	U	5	< 130	U	130	< 50	U	50	< 5	U	5	< 5	U	5	< 25	U	25	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
1,1-Dichloroethene	ug/L	< 5	U	5	< 130	U	130	< 50	U	50	< 5	U	5	< 5	U	5	11	J		< 5	U	5	< 5	U	5	< 5	U	5	7		
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromodichloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromoform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromomethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon disulfide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon tetrachloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
cis-1,2-Dichloroethylene	ug/L	< 5	U	5	4,100	D		1,500			9.0			180			6,100			< 5	U	5	19			30			2,700		
cis-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Isopropylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
m/p-Xylene	ug/L	< 5	U	5	< 130	U	130	< 50	U	50	< 5	U	5	< 5	U	5	< 25	U	25	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
Methyl acetate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-butyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methylene chloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
o-Xylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Styrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Tetrachloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toluene	ug/L	< 5	U	5	17	J		6.4	J		< 5	U	5	< 5	U	5	9	J		< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
trans-1,2-Dichloroethylene	ug/L	< 5	U	5	53	J		17	J		< 5	U	5	< 5	U	5	24	J		< 5	U	5	< 5	U	5	< 5	U	5	7.2		
trans-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Trichloroethylene	ug/L	< 5	U	5	260			57			7.0			21.00			13	J		< 5	U	5	5.5			14			< 5	U	5
Trichlorofluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vinyl chloride	ug/L	< 2	U	2	210			82			< 2	U	2	18.00			490			3.1			< 2	U	2	< 2	U	2	190		
Xylenes, total	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
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Sample Date Location ID Sample Type		8/10/2005 MW05-8C-50-75 N			8/11/2005 MW05-8C-75-100 N			8/15/2005 MW05-8C-100-125 N			12/13/2005 MW01-8A N			12/13/2005 MW01-8B N			12/13/2005 MW05-8C N			12/13/2005 MW96-7B N			12/15/2005 MW94-1B N			8/28/2006 MW01-8B N			8/28/2006 MW05-8C N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Semivolatile Organic Compounds																															
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Atrazine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbazole	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chrysene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Diethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dimethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobutadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorocyclopentadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Indeno[1,2,3-c,d]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Isophorone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Naphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nitrobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
n-Nitrosodi-n-propylamine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
n-Nitrosodiphenylamine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pentachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Phenanthrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Phenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
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Sample Date Location ID Sample Type		8/10/2005 MW05-8C-50-75 N			8/11/2005 MW05-8C-75-100 N			8/15/2005 MW05-8C-100-125 N			12/13/2005 MW01-8A N			12/13/2005 MW01-8B N			12/13/2005 MW05-8C N			12/13/2005 MW96-7B N			12/15/2005 MW94-1B N			8/28/2006 MW01-8B N			8/28/2006 MW05-8C N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Pesticides																															
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																															
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroalkyl and Polyfluoroalkyl Substances																															
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

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Sample Date Location ID Sample Type		8/10/2005 MW05-8C-50-75 N			8/11/2005 MW05-8C-75-100 N			8/15/2005 MW05-8C-100-125 N			12/13/2005 MW01-8A N			12/13/2005 MW01-8B N			12/13/2005 MW05-8C N			12/13/2005 MW96-7B N			12/15/2005 MW94-1B N			8/28/2006 MW01-8B N			8/28/2006 MW05-8C N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																															
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

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Sample Date Location ID Sample Type		8/28/2006 MW06-2C FD			8/28/2006 MW06-2C N			8/28/2006 MW06-4C FD			8/28/2006 MW06-4C N			8/28/2006 MW06-9C FD			8/28/2006 MW06-9C N			8/28/2006 MW94-1B N			8/28/2006 MW96-7B N			12/18/2006 MW01-8A N			12/18/2006 MW01-8B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Volatile Organic Compounds																															
1,1,1-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
1,1-Dichloroethene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromodichloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromoform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromomethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon disulfide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon tetrachloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
cis-1,2-Dichloroethylene	ug/L	6.2			< 5	U	5	< 5	U	5	< 5	U	5	95			130			9.2			< 5	U	5	< 5	U	5	33		
cis-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Isopropylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
m/p-Xylene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
Methyl acetate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-butyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methylene chloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
o-Xylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Styrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Tetrachloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toluene	ug/L	7.6			32			< 5	U	5	10			< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
trans-1,2-Dichloroethylene	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
trans-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Trichloroethylene	ug/L	9.8			6.6			< 5	U	5	< 5	U	5	8.6			7.1			7.8			< 5	U	5	8.2			28		
Trichlorofluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vinyl chloride	ug/L	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2
Xylenes, total	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

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Sample Date Location ID Sample Type		8/28/2006 MW06-2C FD			8/28/2006 MW06-2C N			8/28/2006 MW06-4C FD			8/28/2006 MW06-4C N			8/28/2006 MW06-9C FD			8/28/2006 MW06-9C N			8/28/2006 MW94-1B N			8/28/2006 MW96-7B N			12/18/2006 MW01-8A N			12/18/2006 MW01-8B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Semivolatile Organic Compounds																															
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Atrazine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbazole	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chrysene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Diethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dimethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobutadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorocyclopentadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachloroethane	ug/L</																														

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
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Sample Date Location ID Sample Type		8/28/2006 MW06-2C FD			8/28/2006 MW06-2C N			8/28/2006 MW06-4C FD			8/28/2006 MW06-4C N			8/28/2006 MW06-9C FD			8/28/2006 MW06-9C N			8/28/2006 MW94-1B N			8/28/2006 MW96-7B N			12/18/2006 MW01-8A N			12/18/2006 MW01-8B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Pesticides																															
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																															
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroalkyl and Polyfluoroalkyl Substances																															
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
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Sample Date Location ID Sample Type		8/28/2006 MW06-2C FD			8/28/2006 MW06-2C N			8/28/2006 MW06-4C FD			8/28/2006 MW06-4C N			8/28/2006 MW06-9C FD			8/28/2006 MW94-1B N			8/28/2006 MW96-7B N			12/18/2006 MW01-8A N			12/18/2006 MW01-8B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																												
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
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Sample Date Location ID Sample Type		12/18/2006 MW05-8C N			12/18/2006 MW06-2C N			12/18/2006 MW06-4C-100-125 N			12/18/2006 MW06-9C N			12/18/2006 MW94-1B N			12/18/2006 MW96-7B N			3/27/2007 MW06-4C N			6/11/2007 MW01-8A N			6/11/2007 MW01-8B N			6/11/2007 MW94-1B N			6/11/2007 MW96-7B N			
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	
Volatile Organic Compounds																																			
1,1,1-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,1,2-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,1-Dichloroethane	ug/L	< 100	U	100	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	
1,1-Dichloroethene	ug/L	< 100	U	100	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2-Dichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2-Dichloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2-Butanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2-Hexanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
4-Methyl-2-pentanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Acetone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Benzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Bromodichloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Bromoform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Bromomethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Carbon disulfide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Carbon tetrachloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chloroform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
cis-1,2-Dichloroethylene	ug/L	2,300			8.8			< 5	U	5	92			< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	39			< 5	U	5	9
cis-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Dibromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Ethylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Isopropylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
m/p-Xylene	ug/L	< 100	U	100	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	
Methyl acetate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Methyl cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Methyl tert-butyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Methylene chloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
o-Xylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Styrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Tetrachloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Toluene	ug/L	< 100	U	100	< 5	U	5	< 5	U	5	9.5			< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	
trans-1,2-Dichloroethylene	ug/L	< 100	U	100	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	
trans-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Trichloroethylene	ug/L	< 100	U	100	11			< 5	U	5	5.3			< 5	U	5	< 5	U	5	< 5	U	5	6.5			6.5			< 5	U	5	< 5	U	5	
Trichlorofluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Vinyl chloride	ug/L	210			< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	2.3			< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		12/18/2006 MW05-8C N			12/18/2006 MW06-2C N			12/18/2006 MW06-4C-100-125 N			12/18/2006 MW06-9C N			12/18/2006 MW94-1B N			12/18/2006 MW96-7B N			3/27/2007 MW06-4C N			6/11/2007 MW01-8A N			6/11/2007 MW01-8B N			6/11/2007 MW94-1B N			6/11/2007 MW96-7B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Semivolatile Organic Compounds																																		
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Atrazine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbazole	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chrysene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Diethyl phthalate	ug/L</																																	

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		12/18/2006 MW05-8C N			12/18/2006 MW06-2C N			12/18/2006 MW06-4C-100-125 N			12/18/2006 MW06-9C N			12/18/2006 MW94-1B N			12/18/2006 MW96-7B N			3/27/2007 MW06-4C N			6/11/2007 MW01-8A N			6/11/2007 MW01-8B N			6/11/2007 MW94-1B N			6/11/2007 MW96-7B N		
Analyte		Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL		
Pesticides																																		
4,4-DDD	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
4,4-DDE	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
4,4-DDT	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Aldrin	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
alpha-BHC	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
beta-BHC	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Chlordane, technical	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
delta-BHC	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Dieldrin	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Endosulfan I	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Endosulfan II	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Endosulfan sulfate	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Endrin	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Endrin aldehyde	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Endrin ketone	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
gamma-BHC	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Heptachlor	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Heptachlor epoxide	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Methoxychlor	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Pyrene	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Toxaphene	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Polychlorinated Biphenyls																																		
Aroclor-1016	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Aroclor-1221	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Aroclor-1232	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Aroclor-1242	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Aroclor-1248	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Aroclor-1254	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Aroclor-1260	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Aroclor-1262	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Aroclor-1268	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Total PCBs	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluoroalkyl and Polyfluoroalkyl Substances																																		
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
N-Ethy perfluorooctanesulfonamidoacetic acid (NETFOSAA)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluorononanoic acid (PFNA;C9)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluorotridecanoic acid (PFTTrDA; C13)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

		Sample Date Location ID Sample Type			12/18/2006 MW05-8C N			12/18/2006 MW06-2C N			12/18/2006 MW06-4C-100-125 N			12/18/2006 MW06-9C N			12/18/2006 MW94-1B N			12/18/2006 MW96-7B N			3/27/2007 MW06-4C N			6/11/2007 MW01-8A N			6/11/2007 MW01-8B N			6/11/2007 MW94-1B N			6/11/2007 MW96-7B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																																					
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

	Sample Date	Location ID	6/12/2007		6/12/2007			6/12/2007			5/22/2017			5/22/2017			5/22/2017			5/22/2017		
			MW05-8C		MW06-2C			MW06-9C			MW01-8B			MW05-8C			MW06-2C			MW06-9C		
			N		N			N			N			N			N			N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Volatile Organic Compounds																						
1,1,1-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA		
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/L	< 25	U	25	< 5	U	5	< 5	U	5	< 1	U	1	< 100	U	100	< 1	U	1	0.33	J	
1,1-Dichloroethene	ug/L	< 25	U	25	< 5	U	5	< 5	U	5	0.62	J		120			< 1	U	1	< 1	U	1
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA		
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloroethane	ug/L	NA			NA			NA			0.26	J		< 100	U	100	< 1	U	1	< 1	U	1
1,2-Dichloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA		
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA		
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA		
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/L	NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/L	NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/L	NA			NA			NA			NA			NA			NA			NA		
Acetone	ug/L	NA			NA			NA			6.6			< 500	U	500	5.7			8.6		
Benzene	ug/L	NA			NA			NA			NA			NA			NA			NA		
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA		
Bromodichloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA		
Bromoform	ug/L	NA			NA			NA			NA			NA			NA			NA		
Bromomethane	ug/L	NA			NA			NA			NA			NA			NA			NA		
Carbon disulfide	ug/L	NA			NA			NA			NA			NA			NA			NA		
Carbon tetrachloride	ug/L	NA			NA			NA			NA			NA			NA			NA		
Chlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA		
Chloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA		
Chloroform	ug/L	NA			NA			NA			< 1	U	1	< 100	U	100	< 1	U	1	< 1	U	1
Chloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA		
cis-1,2-Dichloroethylene	ug/L	3,900	D		10			75			21			34,000			5.6			130		
cis-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA		
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA		
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA		
Isopropylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA		
m/p-Xylene	ug/L	< 25	U	25	< 5	U	5	< 5	U	5	< 1	U	1	< 100	U	100	< 1	U	1	< 1	U	1
Methyl acetate	ug/L	NA			NA			NA			NA			NA			NA			NA		
Methyl cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA		
Methyl tert-butyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA		
Methylene chloride	ug/L	NA			NA			NA			NA			NA			NA			NA		
o-Xylene	ug/L	NA			NA			NA			NA			NA			NA			NA		
Styrene	ug/L	NA			NA			NA			NA			NA			NA			NA		
Tetrachloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA		
Toluene	ug/L	< 25	U	25	< 5	U	5	< 5	U	5	17			170			< 1	U	1	0.5	J	
trans-1,2-Dichloroethylene	ug/L	27			< 5	U	5	< 5	U	5	1.2			80	J		< 1	U	1	1.1		
trans-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA		
Trichloroethylene	ug/L	< 25	U	25	14			< 5	U	5	8.6			2,100			6.2			3.5		
Trichlorofluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA		
Vinyl chloride	ug/L	380			< 2	U	2	< 2	U	2	3.6			4,100			< 1	U	1	0.38	J	
Xylenes, total	ug/L	NA			NA			NA			NA			NA			NA			NA		

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type	6/12/2007 MW05-8C N			6/12/2007 MW06-2C N			6/12/2007 MW06-9C N			5/22/2017 MW01-8B N			5/22/2017 MW05-8C N			5/22/2017 MW06-2C N			5/22/2017 MW06-9C N		
	Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	
Semivolatile Organic Compounds																					
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA				
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA				
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA				
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA				
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA				
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA				
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA				
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA				
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA				
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA				
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA				
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA				
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA				
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA				
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA				
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA				
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA				
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA				
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA				
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA				
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA				
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA				
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA				
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA				
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA				
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA				
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA				
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA				
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA				
Anthracene	ug/L	NA			NA			NA			NA			NA			NA				
Atrazine	ug/L	NA			NA			NA			NA			NA			NA				
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA				
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA				
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA				
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA				
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA				
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA				
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA				
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA				
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA				
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA				
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA				
Carbazole	ug/L	NA			NA			NA			NA			NA			NA				
Chrysene	ug/L	NA			NA			NA			NA			NA			NA				
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA				
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA				
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA				
Diethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA				
Dimethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA				
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			NA			NA				
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			NA			NA				
Fluoranthene	ug/L	NA			NA			NA			NA			NA			NA				
Fluorene	ug/L	NA			NA			NA			NA			NA			NA				
Hexachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA				
Hexachlorobutadiene	ug/L	NA			NA			NA			NA			NA			NA				
Hexachlorocyclopentadiene	ug/L	NA			NA			NA			NA			NA			NA				
Hexachloroethane	ug/L	NA			NA			NA			NA			NA			NA				
Indeno[1,2,3-c,d]pyrene	ug/L	NA			NA			NA			NA			NA			NA				
Isophorone	ug/L	NA			NA			NA			NA			NA			NA				
Naphthalene	ug/L	NA			NA			NA			NA			NA			NA				
Nitrobenzene	ug/L	NA			NA			NA			NA			NA			NA				
n-Nitrosodi-n-propylamine	ug/L	NA			NA			NA			NA			NA			NA				
n-Nitrosodiphenylamine	ug/L	NA			NA			NA			NA			NA			NA				
Pentachlorophenol	ug/L	NA			NA			NA			NA			NA			NA				
Phenanthrene	ug/L	NA			NA			NA			NA			NA			NA				
Phenol	ug/L	NA			NA			NA			NA			NA			NA				

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
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Sample Date Location ID Sample Type		6/12/2007 MW05-8C N			6/12/2007 MW06-2C N			6/12/2007 MW06-9C N			5/22/2017 MW01-8B N			5/22/2017 MW05-8C N			5/22/2017 MW06-2C N			5/22/2017 MW06-9C N			
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	
Pesticides																							
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			
Polychlorinated Biphenyls																							
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluoroalkyl and Polyfluoroalkyl Substances																							
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			
N-Ethy perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			

Table 3
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		Sample Date			6/12/2007			6/12/2007			6/12/2007			5/22/2017			5/22/2017			5/22/2017			5/22/2017		
		Location ID			MW05-8C			MW06-2C			MW06-9C			MW01-8B			MW05-8C			MW06-2C			MW06-9C		
		Sample Type			N			N			N			N			N			N			N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																									
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
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Sample Date Location ID Sample Type		5/22/2017 MW94-1B N			5/22/2017 MW94-2 N			5/22/2017 MW94-2B N			5/22/2017 MW94-3 N			5/22/2017 MW94-5 N			5/22/2017 MW96-6 N			5/22/2017 MW96-7B N			6/1/2017 MW05-8C N			5/30/2018 MW05-8C_125-145 N			5/31/2018 MW05-8C_148-165 N			6/1/2018 MW05-8C_165-185 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Volatile Organic Compounds																																		
1,1,1-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
1,1,2-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
1,1-Dichloroethane	ug/L	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 50	U	50	< 50	U	50	< 10	U	10	< 10	U	10
1,1-Dichloroethene	ug/L	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	52			NA			NA			NA		
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			34	J	50	12		10	4.8	J	10
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
1,2-Dichloroethane	ug/L	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 50	U	50	< 50	U	50	< 10	U	10	< 10	U	10
1,2-Dichloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 2500	U	2500	< 500	U	500	< 500	U	500
2-Butanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 250	U	250	< 50	U *	50	< 50	U *	50
2-Hexanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 250	U	250	< 50	U	50	< 50	U	50
4-Methyl-2-pentanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 250	U	250	< 50	U	50	< 50	U	50
Acetone	ug/L	7.1			3.8	J		4.1	J		4.4	J		6.4			4.6	J		6.1			< 250	U	250	110	J B	250	44	J B	50	30	J B	50
Benzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
Bromodichloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
Bromoform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
Bromomethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
Carbon disulfide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
Carbon tetrachloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
Chlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
Chloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U *	10	< 10	U *	10
Chloroform	ug/L	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	0.85	J		< 50	U	50	< 50	U	50	7.6	J	10	6.6	J	10
Chloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
cis-1,2-Dichloroethylene	ug/L	0.57	J		< 1	U	1	< 1	U	1	< 1	U	1	7.8			< 1	U	1	1.5			11,000			10000		50	4300		10	1900		10
cis-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
Dibromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
Ethylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
Isopropylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
m/p-Xylene	ug/L	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 50	U	50	< 50	U	50	< 10	U	10	< 10	U	10
Methyl acetate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 250	U	250	< 50	U	50	< 50	U	50
Methyl cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			< 50	U	50	< 10	U	10	< 10	U	10
Methyl tert-butyl ether	ug/L	NA			NA			NA																										

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Sample Date Location ID Sample Type		5/22/2017 MW94-1B N			5/22/2017 MW94-2 N			5/22/2017 MW94-2B N			5/22/2017 MW94-3 N			5/22/2017 MW94-5 N			5/22/2017 MW96-6 N			5/22/2017 MW96-7B N			6/1/2017 MW05-8C N			5/30/2018 MW05-8C_125-145 N			5/31/2018 MW05-8C_148-165 N			6/1/2018 MW05-8C_165-185 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL			
Semivolatile Organic Compounds																																		
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Atrazine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Carbazole	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Chrysene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Diethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dimethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Fluorene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Hexachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Hexachlorobutadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Hexachlorocyclopentadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Hexachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Indeno[1,2,3-c,d]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Isophorone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Naphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Nitrobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
n-Nitrosodi-n-propylamine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
n-Nitrosodiphenylamine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Pentachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Phenanthrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Phenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					

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Sample Date Location ID Sample Type		5/22/2017 MW94-1B N			5/22/2017 MW94-2 N			5/22/2017 MW94-2B N			5/22/2017 MW94-3 N			5/22/2017 MW94-5 N			5/22/2017 MW96-6 N			5/22/2017 MW96-7B N			6/1/2017 MW05-8C N			5/30/2018 MW05-8C_125-145 N			5/31/2018 MW05-8C_148-165 N			6/1/2018 MW05-8C_165-185 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL			
Pesticides																																		
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Polychlorinated Biphenyls																																		
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoroalkyl and Polyfluoroalkyl Substances																																		
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
N-Ethy perfluorooctanesulfonamidoacetic acid (NtFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
N-Methyl perfluorooctanesulfonamidoacetic acid (NMtFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorododecanoic acid (PFDDa; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorotridecanoic acid (PFTeDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

		Sample Date Location ID Sample Type			5/22/2017 MW94-1B N			5/22/2017 MW94-2 N			5/22/2017 MW94-2B N			5/22/2017 MW94-3 N			5/22/2017 MW94-5 N			5/22/2017 MW96-6 N			5/22/2017 MW96-7B N			6/1/2017 MW05-8C N			5/30/2018 MW05-8C_125-145 N			5/31/2018 MW05-8C_148-165 N			6/1/2018 MW05-8C_165-185 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																																					
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

[illegible]

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

		Sample Date		6/20/2018		7/5/2018		7/12/2018		7/27/2018		8/16/2018		9/11/2018		9/18/2018		9/21/2018		10/1/2018		10/1/2018		10/2/2018			
		Location ID		MW05-8C		MW05-8C		MW18-12C		MW18-13C		MW18-13C_175-185		MW18-11C_175-185		MW18-14C_175-185		MW18-10C_175-185		MW18-12C_135-145		MW18-12C_80-90		MW18-13C_120-130			
		Sample Type		N		N		N		N		N		N		N		N		N		N		N			
Analyte		Unit		Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Semivolatile Organic Compounds																											
1,1-Biphenyl	ug/L	NA					NA						NA						NA						NA		
1,2,4,5-Tetrachlorobenzene	ug/L	NA					NA						NA						NA						NA		
2,3,4,6-Tetrachlorophenol	ug/L	NA					NA						NA						NA						NA		
2,4,5-Trichlorophenol	ug/L	NA					NA						NA						NA						NA		
2,4,6-Trichlorophenol	ug/L	NA					NA						NA						NA						NA		
2,4-Dichlorophenol	ug/L	NA					NA						NA						NA						NA		
2,4-Dimethylphenol	ug/L	NA					NA						NA						NA						NA		
2,4-Dinitrophenol	ug/L	NA					NA						NA						NA						NA		
2,4-Dinitrotoluene	ug/L	NA					NA						NA						NA						NA		
2,6-Dinitrotoluene	ug/L	NA					NA						NA						NA						NA		
2-Chloronaphthalene	ug/L	NA					NA						NA						NA						NA		
2-Chlorophenol	ug/L	NA					NA						NA						NA						NA		
2-Methylnaphthalene	ug/L	NA					NA						NA						NA						NA		
2-Methylphenol	ug/L	NA					NA						NA						NA						NA		
2-Nitroaniline	ug/L	NA					NA						NA						NA						NA		
2-Nitrophenol	ug/L	NA					NA						NA						NA						NA		
3,3-Dichlorobenzidine	ug/L	NA					NA						NA						NA						NA		
3-Nitroaniline	ug/L	NA					NA						NA						NA						NA		
4,6-Dinitro-2-methylphenol	ug/L	NA					NA						NA						NA						NA		
4-Bromophenyl phenyl ether	ug/L	NA					NA						NA						NA						NA		
4-Chloro-3-methylphenol	ug/L	NA					NA						NA						NA						NA		
4-Chloroaniline	ug/L	NA					NA						NA						NA						NA		
4-Chlorophenyl phenyl ether	ug/L	NA					NA						NA						NA						NA		
4-Methylphenol	ug/L	NA					NA						NA						NA						NA		
4-Nitroaniline	ug/L	NA					NA						NA						NA						NA		
4-Nitrophenol	ug/L	NA					NA						NA						NA						NA		
Acenaphthene	ug/L	NA					NA						NA						NA						NA		
Acenaphthylene	ug/L	NA					NA						NA						NA						NA		
Acetophenone	ug/L	NA					NA						NA						NA						NA		
Anthracene	ug/L	NA					NA						NA						NA						NA		
Atrazine	ug/L	NA					NA						NA						NA						NA		
Benzaldehyde	ug/L	NA					NA						NA						NA						NA		
Benzo[a]anthracene	ug/L	NA					NA						NA						NA						NA		
Benzo[a]pyrene	ug/L	NA					NA						NA						NA						NA		
Benzo[b]fluoranthene	ug/L	NA					NA						NA						NA						NA		
Benzo[g,h,i]perylene	ug/L	NA					NA						NA						NA						NA		
Benzo[k]fluoranthene	ug/L	NA					NA						NA						NA						NA		
Bis(2-chloroethoxy) methane	ug/L	NA					NA						NA						NA						NA		
Bis(2-chloroethyl) ether	ug/L	NA					NA						NA						NA						NA		
Bis(2-ethylhexyl) phthalate	ug/L	NA					NA						NA						NA						NA		
Butyl benzyl phthalate	ug/L	NA					NA						NA						NA						NA		
Caprolactam	ug/L	NA					NA						NA						NA						NA		
Carbazole	ug/L	NA					NA						NA						NA						NA		
Chrysene	ug/L	NA					NA						NA						NA						NA		
Dibenz[a,h]anthracene	ug/L	NA					NA						NA						NA						NA		
Dibenzofuran	ug/L	NA					NA						NA						NA						NA		
Dichloroisopropyl ether	ug/L	NA					NA						NA						NA						NA		
Diethyl phthalate	ug/L	NA					NA						NA						NA						NA		
Dimethyl phthalate	ug/L	NA					NA						NA						NA						NA		
Di-n-butyl phthalate	ug/L	NA					NA						NA						NA						NA		
Di-n-octyl phthalate	ug/L	NA					NA						NA						NA						NA		
Fluoranthene	ug/L	NA					NA						NA						NA						NA		
Fluorene	ug/L	NA					NA						NA						NA						NA		
Hexachlorobenzene	ug/L	NA					NA						NA						NA						NA		
Hexachlorobutadiene	ug/L	NA					NA						NA						NA						NA		
Hexachlorocyclopentadiene	ug/L	NA					NA						NA						NA						NA		
Hexachloroethane	ug/L	NA					NA						NA						NA						NA		
Indeno[1,2,3-c,d]pyrene	ug/L	NA					NA						NA						NA						NA		
Isophorone	ug/L	NA					NA						NA						NA						NA		
Naphthalene	ug/L	NA					NA						NA						NA						NA		
Nitrobenzene	ug/L	NA					NA						NA						NA						NA		
n-Nitrosodi-n-propylamine	ug/L	NA					NA						NA						NA						NA		
n-Nitrosod																											

Table 3
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Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		6/20/2018 MW05-8C N			7/5/2018 MW05-8C N			7/12/2018 MW18-12C N			7/27/2018 MW18-13C N			8/16/2018 MW18-13C_175-185 N			9/11/2018 MW18-11C_175-185 N			9/18/2018 MW18-14C_175-185 N			9/21/2018 MW18-10C_175-185 N			10/1/2018 MW18-12C_135-145 N			10/1/2018 MW18-12C_80-90 N			10/2/2018 MW18-13C_120-130 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Pesticides																																		
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	ug/L	NA			NA			NA			< 10	U	10	NA			NA			NA			NA			NA			NA			NA		
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																																		
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroalkyl and Polyfluoroalkyl Substances																																		
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NETFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
Historical Groundwater Analytical Summary
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610 Little Britain Road, New Windsor, New York

		Sample Date Location ID Sample Type			6/20/2018 MW05-8C N			7/5/2018 MW05-8C N			7/12/2018 MW18-12C N			7/27/2018 MW18-13C N			8/16/2018 MW18-13C_175-185 N			9/11/2018 MW18-11C_175-185 N			9/18/2018 MW18-14C_175-185 N			9/21/2018 MW18-10C_175-185 N			10/1/2018 MW18-12C_135-145 N			10/1/2018 MW18-12C_80-90 N			10/2/2018 MW18-13C_120-130 N		
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Metals																																					
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

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Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		10/2/2018 MW18-13C_42-52 N			10/2/2018 MW18-14C_143-153 N			10/2/2018 MW18-14C_45-55 N			10/4/2018 MW18-11C_133-143 N			10/4/2018 MW18-11C_34-44 N			10/4/2018 MW18-10C_41-51 N			10/4/2018 MW18-10C_31-41 N			10/29/2018 MW01-8B N			10/29/2018 MW06-2C N			10/29/2018 MW06-9C N			10/29/2018 MW18-10A N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Volatile Organic Compounds																																		
1,1,1-Trichloroethane	ug/L	0.31	J	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24
1,1,2,2-Tetrachloroethane	ug/L	< 1.0	U	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	NA			NA			NA			NA		
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloroethane	ug/L	< 1.0	U	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	NA			NA			NA			NA		
1,1-Dichloroethane	ug/L	0.83	J	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26
1,1-Dichloroethene	ug/L	NA			NA			NA			NA			NA			NA			NA			< 0.12	U	0.12	< 0.12	U	0.12	< 0.12	U	0.12	< 0.12	U	0.12
1,1-Dichloroethylene	ug/L	0.30	J	1.0	12		10	13	J	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	NA			NA			NA			NA		
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloroethane	ug/L	< 1.0	U	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43
1,2-Dichloropropane	ug/L	< 1.0	U	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	NA			NA			NA			NA		
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/L	< 5.0	U	5.0	< 50	U	50	< 130	U	130	< 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	NA			NA			NA		
2-Hexanone	ug/L	< 5.0	U	5.0	< 50	U	50	< 130	U	130	< 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	NA			NA			NA		
4-Methyl-2-pentanone	ug/L	< 5.0	U	5.0	< 50	U	50	< 130	U	130	< 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	NA			NA			NA		
Acetone	ug/L	< 5.0	U	5.0	< 50	U	50	< 130	U	130	< 5.0	U	5.0	< 5.0	U	5.0	< 5.0	U	5.0	< 5.0	U	5.0	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
Benzene	ug/L	< 1.0	U	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromodichloromethane	ug/L	< 1.0	U	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	NA			NA			NA			NA		
Bromoform	ug/L	< 1.0	U	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	NA			NA			NA			NA		
Bromomethane	ug/L	< 1.0	U	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	NA			NA			NA		
Carbon disulfide	ug/L	< 1.0	U	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	NA			NA			NA		
Carbon tetrachloride	ug/L	< 1.0	U	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	NA			NA			NA		
Chlorobenzene	ug/L	< 1.0	U	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	NA			NA			NA		
Chloroethane	ug/L	< 1.0	U	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	NA			NA			NA		
Chloroform	ug/L	< 1.0	U	1.0	< 10	U	10	< 25	U	25	0.37	J	1.0	0.61	J	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	3.0		
Chloromethane	ug/L	< 1.0	U	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	NA			NA			NA		
cis-1,2-Dichloroethylene	ug/L	100		1.0	4600		10	7900		25	8.2		1.0	11		1.0	16		1.0	18		1.0	9.1		8.1		56		4.0					
cis-1,3-Dichloropropene	ug/L	< 1.0	U	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	NA			NA			NA			NA		
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/L	< 1.0	U	1.0	< 10	U	10	< 25	U	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	NA			NA			NA			NA		
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/L	< 1.0	U	1.0	6.8	J	10	11	J	25	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	NA			NA			NA			NA		

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		10/2/2018 MW18-13C_42-52 N			10/2/2018 MW18-14C_143-153 N			10/2/2018 MW18-14C_45-55 N			10/4/2018 MW18-11C_133-143 N			10/4/2018 MW18-11C_34-44 N			10/4/2018 MW18-10C_41-51 N			10/4/2018 MW18-10C_31-41 N			10/29/2018 MW01-8B N			10/29/2018 MW06-2C N			10/29/2018 MW06-9C N			10/29/2018 MW18-10A N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Pesticides																																		
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																																		
Aroclor-1016	ug/L	NA			NA						NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroalkyl and Polyfluoroalkyl Substances																																		
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NETFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA; C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
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		Sample Date			10/2/2018			10/2/2018			10/2/2018			10/4/2018			10/4/2018			10/4/2018			10/29/2018			10/29/2018			10/29/2018			10/29/2018					
		Location ID			MW18-13C_42-52			MW18-14C_143-153			MW18-14C_45-55			MW18-11C_133-143			MW18-11C_34-44			MW18-10C_41-51			MW18-10C_31-41			MW01-8B			MW06-2C			MW06-9C			MW18-10A		
		Sample Type			N			N			N			N			N			N			N			N			N			N			N		
Analyte		Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL		
Metals																																					
Aluminum	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Antimony	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Arsenic	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Barium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Beryllium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Cadmium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Calcium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Chromium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Cobalt	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Copper	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Iron	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Lead	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Magnesium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Manganese	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Mercury	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Nickel	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Potassium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Selenium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Silver	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Sodium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Thallium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Vanadium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				
Zinc	ug/L	NA				NA				NA				NA				NA				NA				NA				NA			NA				

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

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Sample Date Location ID Sample Type		10/29/2018 MW18-10B N			10/29/2018 MW18-10C N			10/29/2018 MW18-11A N			10/29/2018 MW18-11B N			10/29/2018 MW18-11C N			10/29/2018 MW18-12A N			10/29/2018 MW18-12B N			10/29/2018 MW18-12C N			10/29/2018 MW18-13B N			10/29/2018 MW18-13C N			10/29/2018 MW18-14A N			
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	
Volatile Organic Compounds																																			
1,1,1-Trichloroethane	ug/L	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	160			< 1.2	U	1.2	30			< 1.2	U	1.2	< 0.24	U	0.24	
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,1,2-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,1-Dichloroethane	ug/L	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	48			1.4	J		22			1.4	J		< 0.26	U	0.26	
1,1-Dichloroethene	ug/L	< 0.12	U	0.12	< 0.12	U	0.12	< 0.12	U	0.12	< 0.12	U	0.12	< 0.12	U	0.12	< 0.12	U	0.12	74			8.6			33			3.5	J		< 0.12	U	0.12	
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2-Dichloroethane	ug/L	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 8.6	U	8.6	< 2.2	U	2.2	< 0.43	U	0.43	< 2.2	U	2.2	< 0.43	U	0.43	
1,2-Dichloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2-Butanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2-Hexanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
4-Methyl-2-pentanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Acetone	ug/L	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 100	U	100	< 25	U	25	< 5	U	5	< 25	U	25	< 5	U	5	
Benzene	ug/L	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 8.6	U	8.6	< 2.1	U	2.1	0.75	J		< 2.1	U	2.1	< 0.43	U	0.43	
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Bromodichloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Bromoform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Bromomethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Carbon disulfide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Carbon tetrachloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chloroform	ug/L	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	0.58	J		0.4	J		< 0.33	U	0.33	< 6.5	U	6.5	< 1.6	U	1.6	7.9			13			< 0.33	U	0.33	
Chloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
cis-1,2-Dichloroethylene	ug/L	3.0			12			0.35	J		0.99	J		79			< 0.22	U	0.22	9100			2400			460			1300			< 0.22	U	0.22	
cis-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Dibromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Ethylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Isopropylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
m/p-Xylene	ug/L	< 0.65	U	0.65	< 0.65	U	0.65	< 0.65	U	0.65	< 0.65	U	0.65	< 0.65	U	0.65	< 0.65	U	0.65	< 13	U	13	< 3.3	U	3.3	< 0.65	U	0.65	< 3.3	U	3.3	< 0.65	U	0.65	
Methyl acetate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Methyl cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Methyl tert-butyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Methylene chloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
o-Xylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Styrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Tetrachloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA						

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		10/29/2018 MW18-10B N			10/29/2018 MW18-10C N			10/29/2018 MW18-11A N			10/29/2018 MW18-11B N			10/29/2018 MW18-11C N			10/29/2018 MW18-12A N			10/29/2018 MW18-12B N			10/29/2018 MW18-12C N			10/29/2018 MW18-13B N			10/29/2018 MW18-13C N			10/29/2018 MW18-14A N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL			
Pesticides																																		
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Polychlorinated Biphenyls																																		
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoroalkyl and Polyfluoroalkyl Substances																																		
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
N-Ethy perfluorooctanesulfonamidoacetic acid (NETFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorotridecanoic acid (PFTTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
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		Sample Date Location ID Sample Type			10/29/2018 MW18-10B N			10/29/2018 MW18-10C N			10/29/2018 MW18-11A N			10/29/2018 MW18-11B N			10/29/2018 MW18-11C N			10/29/2018 MW18-12A N			10/29/2018 MW18-12B N			10/29/2018 MW18-12C N			10/29/2018 MW18-13B N			10/29/2018 MW18-13C N			10/29/2018 MW18-14A N		
Analyte		Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL		
Metals																																					
Aluminum		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Antimony		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Arsenic		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Barium		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Beryllium		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Cadmium		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Calcium		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Chromium		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Cobalt		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Copper		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Iron		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Lead		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Magnesium		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Manganese		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Mercury		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Nickel		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Potassium		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Selenium		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Silver		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Sodium		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Thallium		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Vanadium		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				
Zinc		ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA				

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
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610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		10/29/2018 MW18-14B N			10/29/2018 MW18-14C N			10/29/2018 MW18-8D N			10/29/2018 MW18-8E N			10/29/2018 MW18-8F N			10/29/2018 MW94-03 FD			10/29/2018 MW94-1B N			10/29/2018 MW94-2 N			10/29/2018 MW94-2B N			10/29/2018 MW94-3 N			10/29/2018 MW94-5 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Volatile Organic Compounds																																		
1,1,1-Trichloroethane	ug/L	< 2.4	U	2.4	< 60	U	60	< 1.2	U	1.2	< 4.8	U	4.8	NA			< 1.0	U	1.0	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			NA			NA			NA		
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloroethane	ug/L	NA			NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/L	< 2.6	U	2.6	< 66	U	66	< 1.3	U	1.3	< 5.3	U	5.3	NA			< 1.0	U	1.0	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26
1,1-Dichloroethene	ug/L	8.7	J		< 29	U	29	5.3			7.2	J		< 1.2	U	1.2	NA			< 0.12	U	0.12	< 0.12	U	0.12	< 0.12	U	0.12	< 0.12	UF1	0.12	< 0.12	U	0.12
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloroethane	ug/L	< 4.3	U	4.3	< 110	U	110	< 2.2	U	2.2	< 8.6	U	8.6	NA			< 1.0	U	1.0	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43
1,2-Dichloropropane	ug/L	NA			NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			NA			NA			NA		
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/L	NA			NA			NA			NA			NA			< 5.0	U	5.0	NA			NA			NA			NA			NA		
2-Hexanone	ug/L	NA			NA			NA			NA			NA			< 5.0	U	5.0	NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/L	NA			NA			NA			NA			NA			< 5.0	U	5.0	NA			NA			NA			NA			NA		
Acetone	ug/L	53			< 1200	U	1200	70			< 100	U	100	NA			< 5.0	U	5.0	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
Benzene	ug/L	< 4.3	U	4.3	< 110	U	110	< 2.1	U	2.1	< 8.6	U	8.6	NA			< 1.0	U	1.0	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromodichloromethane	ug/L	NA			NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			NA			NA			NA		
Bromoform	ug/L	NA			NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			NA			NA			NA		
Bromomethane	ug/L	NA			NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			NA			NA			NA		
Carbon disulfide	ug/L	NA			NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			NA			NA			NA		
Carbon tetrachloride	ug/L	NA			NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			NA			NA			NA		
Chlorobenzene	ug/L	NA			NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			NA			NA			NA		
Chloroethane	ug/L	NA			NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			NA			NA			NA		
Chloroform	ug/L	< 3.3	U	3.3	82			2.3	J		< 6.5	U	6.5	NA			< 1.0	U	1.0	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33
Chloromethane	ug/L	NA			NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			NA			NA			NA		
cis-1,2-Dichloroethylene	ug/L	3300			26000			1600			6100			NA			< 1.0	U	1.0	< 0.22	U	0.22	< 0.22	U	0.22	< 0.22	U	0.22	< 0.22	U	0.22	< 0.22	U	0.22
cis-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			NA			NA			NA		
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/L	NA			NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			NA			NA			NA		
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/L	NA			NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			NA			NA			NA		
Isopropylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
m/p-Xylene	ug/L	20			< 160	U	160	< 3.3	U	3.3	< 13	U	13	< 6.5	U	6.5	NA			< 0.65	U	0.65	< 0.65	U	0.65	< 0.65	U	0.65	< 0.65	U	0.65	< 0.65	U	0.65
Methyl acetate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-butyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methylene chloride	ug/L	NA			NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			NA			NA			NA		
o-Xylene	ug/L	NA			NA																													

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Sample Date Location ID Sample Type		10/29/2018 MW18-14B N			10/29/2018 MW18-14C N			10/29/2018 MW18-8D N			10/29/2018 MW18-8E N			10/29/2018 MW18-8F N			10/29/2018 MW94-03 FD			10/29/2018 MW94-1B N			10/29/2018 MW94-2 N			10/29/2018 MW94-2B N			10/29/2018 MW94-3 N			10/29/2018 MW94-5 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL			
Semivolatile Organic Compounds																																		
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Atrazine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Carbazole	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Chrysene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Diethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dimethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Fluorene	ug/L	NA			NA			NA			NA</																							

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Sample Date Location ID Sample Type		10/29/2018 MW18-14B N			10/29/2018 MW18-14C N			10/29/2018 MW18-8D N			10/29/2018 MW18-8E N			10/29/2018 MW18-8F N			10/29/2018 MW94-03 FD			10/29/2018 MW94-1B N			10/29/2018 MW94-2 N			10/29/2018 MW94-2B N			10/29/2018 MW94-3 N			10/29/2018 MW94-5 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL			
Pesticides																																		
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Polychlorinated Biphenyls																																		
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoroalkyl and Polyfluoroalkyl Substances																																		
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
N-Ethy perfluorooctanesulfonamidoacetic acid (NETFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorotridecanoic acid (PFTTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					

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Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																																					
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

		Sample Date	10/29/2018			10/29/2018			10/29/2018			10/29/2018			10/30/2018			10/30/2018			10/30/2018			10/30/2018			10/30/2018			10/30/2018										
		Location ID	MW96-6			MW96-7B			MW94-02			MW18-8F			MW94-03			MW96-7B			MW96-7B			MW96-6			MW18-10A			MW18-13B			MW18-13C							
		Sample ID	N			N			N			N			N			N			N			N			N			N			N							
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL									
Volatile Organic Compounds																																								
1,1,1-Trichloroethane	ug/L	< 0.24	U	0.24	< 0.24	U	0.24	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloroethane	ug/L	NA			NA			< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0
1,1-Dichloroethane	ug/L	< 0.26	U	0.26	< 0.26	U	0.26	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	1.4	J	5.0
1,1-Dichloroethene	ug/L	< 0.12	U	0.12	< 0.12	U	0.12	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethylene	ug/L	NA			NA			< 1.0	U	1.0	< 10	U	10	< 1.0	U F1	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	3.5	J	5.0
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloroethane	ug/L	< 0.43	U	0.43	< 0.43	U	0.43	< 1.0	U	1.0	4.8	J	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0
1,2-Dichloropropane	ug/L	NA			NA			< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/L	NA			NA			< 5.0	U	5.0	< 50	U *	50	< 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	< 5.0	U	5.0	< 5.0	U	5.0	< 5.0	U	5.0	< 25	U	25
2-Hexanone	ug/L	NA			NA			< 5.0	U	5.0	< 50	U	50	< 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	< 5.0	U	5.0	< 5.0	U	5.0	< 5.0	U	5.0	< 25	U	25
4-Methyl-2-pentanone	ug/L	NA			NA			< 5.0	U	5.0	< 50	U	50	< 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	< 5.0	U	5.0	< 5.0	U	5.0	< 5.0	U	5.0	< 25	U	25
Acetone	ug/L	< 5	U	5	< 5	U	5	< 5.0	U	5.0	< 50	U	50	< 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	< 5.0	U	5.0	< 5.0	U	5.0	< 5.0	U	5.0	< 25	U	25
Benzene	ug/L	< 0.43	U	0.43	< 0.43	U	0.43	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	0.75	J	1.0	< 5.0	U	5.0			
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromodichloromethane	ug/L	NA			NA			< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	1.2		1.0	< 5.0	U	5.0			
Bromoform	ug/L	NA			NA			< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0
Bromomethane	ug/L	NA			NA			< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0
Carbon disulfide	ug/L	NA			NA			< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0
Carbon tetrachloride	ug/L	NA			NA			< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0
Chlorobenzene	ug/L	NA			NA			< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0
Chloroethane	ug/L	NA			NA			< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	2.5		1.0	< 5.0	U	5.0			
Chloroform	ug/L	< 0.33	U	0.33	< 0.33	U	0.33	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	3.0		1.0	7.9		1.0	13		

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		10/29/2018 MW96-6 N			10/29/2018 MW96-7B N			10/29/2018 MW94-02 N			10/29/2018 MW18-8F N			10/29/2018 MW94-03 N			10/30/2018 MW96-7B N			10/30/2018 MW96-7B FD			10/30/2018 MW96-6 N			10/30/2018 MW18-10A N			10/30/2018 MW18-13B N			10/30/2018 MW18-13C N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL			
Semivolatile Organic Compounds																																		
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Atrazine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Carbazole	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Chrysene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Diethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dimethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Fluorene	ug/L	NA			NA			NA																										

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Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		10/29/2018 MW96-6 N			10/29/2018 MW96-7B N			10/29/2018 MW94-02 N			10/29/2018 MW18-8F N			10/29/2018 MW94-03 N			10/30/2018 MW96-7B N			10/30/2018 MW96-7B FD			10/30/2018 MW96-6 N			10/30/2018 MW18-10A N			10/30/2018 MW18-13B N			10/30/2018 MW18-13C N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL			
Pesticides																																		
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Polychlorinated Biphenyls																																		
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoroalkyl and Polyfluoroalkyl Substances																																		
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
N-Ethy perfluorooctanesulfonamidoacetic acid (NETFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

		Sample Date Location ID Sample Type			10/29/2018 MW96-6 N			10/29/2018 MW96-7B N			10/29/2018 MW94-02 N			10/29/2018 MW18-8F N			10/29/2018 MW94-03 N			10/30/2018 MW96-7B N			10/30/2018 MW96-7B FD			10/30/2018 MW96-6 N			10/30/2018 MW18-10A N			10/30/2018 MW18-13B N			10/30/2018 MW18-13C N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																																					
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		10/31/2018 MW94-2B N			10/31/2018 MW18-12A N			10/31/2018 MW94-02 N			10/31/2018 MW94-2B FD			10/31/2018 MW18-12B N			10/31/2018 MW94-1B N			10/31/2018 MW94-1B FD			10/31/2018 MW18-12C N			10/31/2018 MW06-2C N			10/31/2018 MW94-5 N			11/1/2018 MW01-8B FD			
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	
Volatile Organic Compounds																																			
1,1,1-Trichloroethane	ug/L	NA			< 1.0	U	1.0	NA			NA			160		20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
1,1,2,2-Tetrachloroethane	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,1,2-Trichloroethane	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
1,1-Dichloroethane	ug/L	NA			< 1.0	U	1.0	NA			NA			48		20	< 1.0	U	1.0	< 1.0	U	1.0	1.4	J	5.0	NA			NA			< 1.0	U	1.0	
1,1-Dichloroethene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,1-Dichloroethylene	ug/L	NA			< 1.0	U	1.0	NA			NA			74		20	< 1.0	U	1.0	< 1.0	U	1.0	8.6		5.0	NA			NA			< 1.0	U	1.0	
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2-Dichloroethane	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
1,2-Dichloropropane	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,4-Dioxane	ug/L	< 0.40	U	0.40	NA			0.67			0.40	< 0.40	U	0.40	NA			NA			NA			NA			< 0.40	U	0.40	< 0.40	U	0.40	NA		
2-Butanone	ug/L	NA			< 5.0	U	5.0	NA			NA			< 100	U	F1	100	< 5.0	U	5.0	< 5.0	U	5.0	< 25	U	25	NA			NA			< 5.0	U	5.0
2-Hexanone	ug/L	NA			< 5.0	U	5.0	NA			NA			< 100	U	100	< 5.0	U	5.0	< 5.0	U	5.0	< 25	U	25	NA			NA			< 5.0	U	5.0	
4-Methyl-2-pentanone	ug/L	NA			< 5.0	U	5.0	NA			NA			< 100	U	100	< 5.0	U	5.0	< 5.0	U	5.0	< 25	U	25	NA			NA			< 5.0	U	5.0	
Acetone	ug/L	NA			< 5.0	U	5.0	NA			NA			< 100	U	100	< 5.0	U	5.0	< 5.0	U	5.0	< 25	U	25	NA			NA			< 5.0	U	5.0	
Benzene	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Bromodichloromethane	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
Bromoform	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
Bromomethane	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
Carbon disulfide	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
Carbon tetrachloride	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
Chlorobenzene	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
Chloroethane	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
Chloroform	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
Chloromethane	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
cis-1,2-Dichloroethylene	ug/L	NA			< 1.0	U	1.0	NA			NA			9100		20	< 1.0	U	1.0	< 1.0	U	1.0	2400		5.0	NA			NA			9.7		1.0	
cis-1,3-Dichloropropene	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Dibromochloromethane	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Ethylbenzene	ug/L	NA			< 1.0	U	1.0	NA			NA			< 20	U	20	< 1.0	U	1.0	< 1.0	U	1.0	< 5.0	U	5.0	NA			NA			< 1.0	U	1.0	
Isopropylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
m/p-Xylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Methyl acetate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		</				

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

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Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		10/31/2018 MW94-2B N			10/31/2018 MW18-12A N			10/31/2018 MW94-02 N			10/31/2018 MW94-2B FD			10/31/2018 MW18-12B N			10/31/2018 MW94-1B N			10/31/2018 MW94-1B FD			10/31/2018 MW18-12C N			10/31/2018 MW06-2C N			10/31/2018 MW94-5 N			11/1/2018 MW01-8B FD		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																																		
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

	Sample Date Location ID Sample Type	11/1/2018 MW18-10B N	11/1/2018 MW01-8B N	11/1/2018 MW18-11A N	11/1/2018 MW18-11B N	11/1/2018 MW18-8D N	11/1/2018 MW18-11C N	11/1/2018 MW18-14A N	11/1/2018 MW18-11A N	11/1/2018 MW18-10C N	11/1/2018 MW18-14B N	11/1/2018 MW18-11B N	
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Semivolatile Organic Compounds													
1,1-Biphenyl	ug/L	NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA		
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA		
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA		
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA		
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA		
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA		
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA		
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA		
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA		
2-Chloronaphthalene	ug/L	NA			NA			NA			NA		
2-Chlorophenol	ug/L	NA			NA			NA			NA		
2-Methylnaphthalene	ug/L	NA			NA			NA			NA		
2-Methylphenol	ug/L	NA			NA			NA			NA		
2-Nitroaniline	ug/L	NA			NA			NA			NA		
2-Nitrophenol	ug/L	NA			NA			NA			NA		
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA		
3-Nitroaniline	ug/L	NA			NA			NA			NA		
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA		
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA		
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA		
4-Chloroaniline	ug/L	NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA		
4-Methylphenol	ug/L	NA			NA			NA			NA		
4-Nitroaniline	ug/L	NA			NA			NA			NA		
4-Nitrophenol	ug/L	NA			NA			NA			NA		
Acenaphthene	ug/L	NA			NA			NA			NA		
Acenaphthylene	ug/L	NA			NA			NA			NA		
Acetophenone	ug/L	NA			NA			NA			NA		
Anthracene	ug/L	NA			NA			NA			NA		
Atrazine	ug/L	NA			NA			NA			NA		
Benzaldehyde	ug/L	NA			NA			NA			NA		
Benzo[a]anthracene	ug/L	NA			NA			NA			NA		
Benzo[a]pyrene	ug/L	NA			NA			NA			NA		
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA		
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA		
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA		
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA		
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA		
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA		
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA		
Caprolactam	ug/L	NA			NA			NA			NA		
Carbazole	ug/L	NA			NA			NA			NA		
Chrysene	ug/L	NA			NA			NA			NA		
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA		
Dibenzofuran	ug/L	NA			NA			NA			NA		
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA		
Diethyl phthalate	ug/L	NA			NA			NA			NA		
Dimethyl phthalate	ug/L	NA			NA			NA			NA		
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA		
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA		
Fluoranthene	ug/L	NA			NA			NA			NA		
Fluorene	ug/L	NA			NA			NA			NA		
Hexachlorobenzene	ug/L	NA			NA			NA			NA		
Hexachlorobutadiene	ug/L	NA			NA			NA			NA		
Hexachlorocyclopentadiene	ug/L	NA			NA			NA			NA		
Hexachloroethane	ug/L	NA			NA			NA			NA		
Indeno[1,2,3-c,d]pyrene	ug/L	NA			NA			NA			NA		
Isophorone	ug/L	NA			NA			NA			NA		
Naphthalene	ug/L	NA			NA			NA			NA		
Nitrobenzene	ug/L	NA			NA			NA			NA		
n-Nitrosodi-n-propylamine	ug/L	NA			NA			NA			NA		
n-Nitrosodiphenylamine	ug/L	NA			NA			NA			NA		
Pentachlorophenol	ug/L	NA			NA			NA			NA		
Phenanthrene	ug/L	NA			NA			NA			NA		
Phenol	ug/L	NA			NA			NA			NA		

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		11/1/2018 MW18-10B N			11/1/2018 MW01-8B N			11/1/2018 MW18-11A N			11/1/2018 MW18-11B N			11/1/2018 MW18-8D N			11/1/2018 MW18-11C N			11/1/2018 MW18-14A N			11/1/2018 MW18-11A N			11/1/2018 MW18-10C N			11/1/2018 MW18-14B N			11/1/2018 MW18-11B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Pesticides																																		
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																																		
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroalkyl and Polyfluoroalkyl Substances																																		
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			< 0.0176	U	17.6	0.00808	J	17.5	NA			0.0202		17.6	< 0.0879	U	87.9	NA			NA			< 0.108	U	108	NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			< 0.0176	U	17.6	< 0.0175	U	17.5	NA			< 0.0176	U	17.6	< 0.0879	U	87.9	NA			NA			< 0.108	U	108	NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NetFOSAA)	ug/L	NA			NA			< 0.0176	U	17.6	< 0.0175	U	17.5	NA			< 0.0176	U	17.6	< 0.0879	U	87.9	NA			NA			< 0.108	U	108	NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			< 0.0176	U	17.6	< 0.0175	U	17.5	NA			< 0.0176	U	17.6	< 0.0879	U	87.9	NA			NA			< 0.108	U	108	NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			0.0139		1.76	0.00357		1.75	NA			0.00174	J	1.76	0.0249		8.79	NA			NA			0.0128		10.8	NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			0.0444		1.76	0.0131		1.75	NA			0.0103		1.76	0.0529		8.79	NA			NA			0.0208		10.8	NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			< 0.00176	U	1.76	< 0.00175	U	1.75	NA			< 0.00176	U	1.76	< 0.00879	U	8.79	NA			NA			< 0.0108	U	10.8	NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			< 0.00176	U	1.76	< 0.00175	U	1.75	NA			< 0.00176	U	1.76	< 0.00879	U	8.79	NA			NA			< 0.0108	U	10.8	NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			< 0.00176	U	1.76	< 0.00175	U	1.75	NA			< 0.00176	U	1.76	< 0.00879	U	8.79	NA			NA			< 0.0108	U	10.8	NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			0.00164	J	1.76	< 0.00175	U	1.75	NA			< 0.00176	U	1.76	< 0.00879	U	8.79	NA			NA			< 0.0108	U	10.8	NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			0.00660		1.76	0.00337		1.75	NA			0.00123	J	1.76	0.0221		8.79	NA			NA			0.0128		10.8	NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			0.0155		1.76	0.00164	J	1.75	NA			0.00054	J	1.76	0.0110		8.79	NA			NA			0.00959	J	10.8	NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			0.0150		1.76	0.00610		1.75	NA			0.00256		1.76	0.0337		8.79	NA			NA			0.0216		10.8	NA		
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			< 0.00176	U	1.76	< 0.00175	U	1.75	NA			< 0.00176	U	1.76	0.00449	J	8.79	NA			NA			0.00309	J	10.8	NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			< 0.00176	U	1.76	< 0.00175	U	1.75	NA			< 0.00176	U	1.76	< 0.00879	U	8.79	NA			NA			< 0.0108	U	10.8	NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			0.0222		1.76	0.00171	J	1.75	NA			0.00173	J	1.76	0.0563		8.79	NA			NA			0					

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

		Sample Date		11/1/2018			11/1/2018			11/1/2018			11/1/2018			11/1/2018			11/1/2018			11/1/2018			11/1/2018			11/1/2018			11/1/2018					
		Location ID		MW18-10B			MW01-8B			MW18-11A			MW18-11B			MW18-8D			MW18-11C			MW18-14A			MW18-11A			MW18-10C			MW18-14B			MW18-11B		
		Sample Type		N			N			N			N			N			N			N			N			N			N			N		
Analyte		Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	
Metals																																				
Aluminum	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Antimony	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Arsenic	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Barium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Beryllium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Cadmium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Calcium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Chromium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Cobalt	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Copper	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Iron	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Lead	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Magnesium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Manganese	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Mercury	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Nickel	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Potassium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Selenium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Silver	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Sodium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Thallium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Vanadium	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		
Zinc	ug/L	NA				NA				NA				NA				NA				NA				NA				NA				NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		11/1/2018 MW18-14C N			11/1/2018 MW18-14A N			11/2/2018 MW18-11C FD			11/2/2018 MW18-11C N			11/2/2018 MW18-14B N			11/2/2018 MW94-5 N			11/2/2018 MW06-2C N			11/2/2018 MW94-2B N			11/2/2018 MW18-14C N			11/9/2018 MW06-9C FD		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Volatile Organic Compounds																															
1,1,1-Trichloroethane	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
1,1,2,2-Tetrachloroethane	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA						NA			NA						NA			NA			NA			NA			NA		
1,1,2-Trichloroethane	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
1,1-Dichloroethane	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
1,1-Dichloroethene	ug/L	NA						NA			NA						NA			NA			NA			NA			NA		
1,1-Dichloroethylene	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	8.7	J	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
1,2,3-Trichlorobenzene	ug/L	NA						NA			NA						NA			NA			NA			NA			NA		
1,2,4-Trichlorobenzene	ug/L	NA						NA			NA						NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/L	NA						NA			NA						NA			NA			NA			NA			NA		
1,2-Dibromoethane (EDB)	ug/L	NA						NA			NA						NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/L	NA						NA			NA						NA			NA			NA			NA			NA		
1,2-Dichloroethane	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
1,2-Dichloropropane	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
1,3-Dichlorobenzene	ug/L	NA						NA			NA						NA			NA			NA			NA			NA		
1,4-Dichlorobenzene	ug/L	NA						NA			NA						NA			NA			NA			NA			NA		
1,4-Dioxane	ug/L	< 0.40	U	0.40	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/L	NA			< 5.0	U	5.0	< 5.0	U	5.0	< 5.0	U	5.0	< 50	U	50	< 5.0	U	5.0	< 5.0	U	5.0	< 5.0	U	5.0	< 1300	U	1300	< 5.0	U	5.0
2-Hexanone	ug/L	NA			< 5.0	U	5.0	< 5.0	U	5.0	< 5.0	U	5.0	< 50	U	50	< 5.0	U	5.0	< 5.0	U	5.0	< 5.0	U	5.0	< 1300	U	1300	< 5.0	U	5.0
4-Methyl-2-pentanone	ug/L	NA			< 5.0	U	5.0	< 5.0	U	5.0	< 5.0	U	5.0	< 50	U	50	< 5.0	U	5.0	< 5.0	U	5.0	< 5.0	U	5.0	< 1300	U	1300	< 5.0	U	5.0
Acetone	ug/L	NA			< 5.0	U	5.0	< 5.0	U	5.0	< 5.0	U	5.0	53		50	< 5.0	U	5.0	< 5.0	U	5.0	< 5.0	U	5.0	< 1300	U	1300	< 5.0	U	5.0
Benzene	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
Bromochloromethane	ug/L	NA						NA			NA						NA			NA			NA			NA			NA		
Bromodichloromethane	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
Bromoform	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
Bromomethane	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
Carbon disulfide	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
Carbon tetrachloride	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
Chlorobenzene	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
Chloroethane	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
Chloroform	ug/L	NA			< 1.0	U	1.0	0.53	J	1.0	0.40	J	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
Chloromethane	ug/L	NA			< 1.0	U	1.0	0.28	J	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
cis-1,2-Dichloroethylene	ug/L	NA			< 1.0	U	1.0	81		1.0	79		1.0	3300		10	< 1.0	U	1.0	8.1		1.0	< 1.0	U	1.0	26000		250	57		1.0
cis-1,3-Dichloropropene	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
Cyclohexane	ug/L	NA						NA			NA						NA			NA			NA			NA			NA		
Dibromochloromethane	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 10	U	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
Dichlorodifluoromethane	ug/L	NA						NA			NA						NA			NA			NA			NA			NA		
Ethylbenzene	ug/L	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	6.1	J	10	< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	< 250	U	250	< 1.0	U	1.0
Isopropylbenzene	ug/L	NA						NA			NA						NA			NA			NA			NA			NA		
m/p-Xylene	ug/L	NA						NA			NA						NA			NA			NA			NA			NA		
Methyl acetate	ug/L	NA						NA			NA						NA			NA			NA			NA			NA		
Methyl cyclohexane	ug/L	NA						NA			NA						NA			NA			NA			NA			NA		

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		11/1/2018 MW18-14C N			11/1/2018 MW18-14A N			11/2/2018 MW18-11C FD			11/2/2018 MW18-11C N			11/2/2018 MW18-14B N			11/2/2018 MW94-5 N			11/2/2018 MW06-2C N			11/2/2018 MW94-2B N			11/2/2018 MW18-14C N			11/9/2018 MW06-9C FD		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Semivolatile Organic Compounds																															
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Atrazine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbazole	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chrysene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Diethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dimethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorobutadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachlorocyclopentadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Hexachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Indeno[1,2,3-c,d]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Isophorone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Naphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nitrobenzene	ug/L	NA			NA																										

Table 3
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Central Hudson Gas Electric Corp.
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Sample Date Location ID Sample Type		11/1/2018 MW18-14C N			11/1/2018 MW18-14A N			11/2/2018 MW18-11C FD			11/2/2018 MW18-11C N			11/2/2018 MW18-14B N			11/2/2018 MW94-5 N			11/2/2018 MW06-2C N			11/2/2018 MW94-2B N			11/2/2018 MW18-14C N			11/9/2018 MW06-9C FD			
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	
Pesticides																																
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Polychlorinated Biphenyls																																
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Perfluoroalkyl and Polyfluoroalkyl Substances																																
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	0.00402	J		17.3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	< 0.0173	U		17.3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NETFOSAA)	ug/L	0.00378	J		17.3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	< 0.0173	U		17.3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	0.00692			1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	0.0207			1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	< 0.00173	U		1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	0.00047	J		1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	< 0.00173	U		1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	0.00215			1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	0.00921			1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	0.00852			1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	0.0111			1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA;C9)	ug/L	0.00154	J		1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	0.00322			1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	0.0442			1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	0.0292			1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	0.0252			1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	< 0.00173	U		1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	< 0.00173	U		1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	0.00025	J		1.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

[illegible]

Notes and Abbreviations:

N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		11/9/2018 MW06-9C N			11/14/2018 MW18-8E FD			11/14/2018 MW18-8E N			12/10/2019 MW01-8B N			12/10/2019 MW06-2C N			12/10/2019 MW06-9C N			12/10/2019 MW18-10A N			12/10/2019 MW18-10B N			12/10/2019 MW18-10C N			12/10/2019 MW18-11A N			12/10/2019 MW18-11B N			12/10/2019 MW18-11C N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Volatile Organic Compounds																																					
1,1,1-Trichloroethane	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24
1,1,2,2-Tetrachloroethane	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,2-Trichloroethane	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	< 0.26	U	0.26	0.31	J		< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26
1,1-Dichloroethene	ug/L	NA			NA			NA			< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26
1,1-Dichloroethylene	ug/L	< 1.0	U	1.0	7.1	J	20	7.2	J	20	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloroethane	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	< 4.4	U	4.4	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43
1,2-Dichloropropane	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/L	< 5.0	U	5.0	< 100	U	100	< 100	U	100	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/L	< 5.0	U	5.0	< 100	U	100	< 100	U	100	NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/L	< 5.0	U	5.0	< 100	U	100	< 100	U	100	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Acetone	ug/L	< 5.0	U	5.0	< 100	U	100	< 100	U	100	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4
Benzene	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromodichloromethane	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromoform	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromomethane	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon disulfide	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon tetrachloride	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlorobenzene	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroethane	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroform	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33
Chloromethane	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	NA			NA			NA			NA			NA			NA			NA			NA			NA		
cis-1,2-Dichloroethylene	ug/L	56			1.0	6900		20	6100		20	6.8		27			51			1.6			0.7	J		7.9			< 0.22	U	0.22	0.78	J		60		
cis-1,3-Dichloropropene	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/L	< 1.0	U	1.0	< 20	U	20	< 20	U	20	NA			NA			NA			NA	</																

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		11/9/2018 MW06-9C N			11/14/2018 MW18-8E FD			11/14/2018 MW18-8E N			12/10/2019 MW01-8B N			12/10/2019 MW06-2C N			12/10/2019 MW06-9C N			12/10/2019 MW18-10A N			12/10/2019 MW18-10B N			12/10/2019 MW18-10C N			12/10/2019 MW18-11A N			12/10/2019 MW18-11B N			12/10/2019 MW18-11C N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Pesticides																																					
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																																					
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroalkyl and Polyfluoroalkyl Substances																																					
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NtFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA; C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		11/9/2018 MW06-9C N			11/14/2018 MW18-8E FD			11/14/2018 MW18-8E N			12/10/2019 MW01-8B N			12/10/2019 MW06-2C N			12/10/2019 MW06-9C N			12/10/2019 MW18-10A N			12/10/2019 MW18-10B N			12/10/2019 MW18-10C N			12/10/2019 MW18-11A N			12/10/2019 MW18-11B N			12/10/2019 MW18-11C N			
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	
Metals																																						
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		12/10/2019 MW18-12B N			12/10/2019 MW18-12C N			12/10/2019 MW18-13B N			12/10/2019 MW18-13C N			12/10/2019 MW18-14A N			12/10/2019 MW18-14B N			12/10/2019 MW18-14C N			12/10/2019 MW18-8F N			12/10/2019 MW94-1B N			12/10/2019 MW94-2B N			12/10/2019 MW94-3 N			12/10/2019 MW94-5 N					
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL			
Volatile Organic Compounds																																								
1,1,1-Trichloroethane	ug/L	58			< 1.2	U	1.2	15			20			< 0.24	U	0.24	< 1.2	U	1.2	< 48	U	48	< 0.48	U	0.48	< 0.24	U	0.24	< 0.24	U	0.24	0.29	J		< 0.24	U	0.24			
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,1,2-Trichloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,1-Dichloroethane	ug/L	32			2.6	J		52			31			< 0.26	U	0.26	< 1.3	U	1.3	< 53	U	53	< 0.53	U	0.53	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26			
1,1-Dichloroethene	ug/L	27			3.4	J		31			27			< 0.26	U	0.26	2.5	J		340			0.97	J		< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26			
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2,3-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2,4-Trichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2-Dibromoethane (EDB)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2-Dichloroethane	ug/L	< 8.6	U		8.6	< 2.2	U	2.2	< 0.86	U	0.86	< 0.86	U	0.86	< 0.43	U	0.43	< 2.2	U	2.2	< 86	U	86	< 0.86	U	0.86	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43		
1,2-Dichloropropane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,3-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,4-Dichlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,4-Dioxane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Butanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Hexanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Methyl-2-pentanone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acetone	ug/L	< 88	U		88	37		< 8.8	U	8.8	11			< 4.4	U	4.4	89			< 880	U	880	22		< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	
Benzene	ug/L	< 4.1	U		4.1	< 1	U	1	< 0.41	U	0.41	< 0.41	U	0.41	< 0.2	U	0.2	< 1	U	1	< 41	U	41	4.6		< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2
Bromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bromodichloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bromoform	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bromomethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Carbon disulfide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Carbon tetrachloride	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Chlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Chloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Chloroform	ug/L	< 6.5	U		6.5	< 1.6	U	1.6	< 0.65	U	0.65	< 0.65	U	0.65	< 0.33	U	0.33	< 1.6	U	1.6	< 65	U	65	15		< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33
Chloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
cis-1,2-Dichloroethylene	ug/L	5800			1100			900			730			< 0.22	U	0.22	1600			72000			600		0.48	J		< 0.22	U	0.22	< 0.22	U	0.22	< 0.22	U	0.22	< 0.22	U	0.22	
cis-1,3-Dichloropropene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Cyclohexane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dibromochloromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dichlorodifluoromethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Ethylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Isopropylbenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
m/p-Xylene	ug/L	< 5.9	U		5.9	< 1.5	U	1.5	< 0.59	U	0.59	< 0.59	U	0.59	< 0.3	U	0.3	< 1.5	U	1.5	< 59	U	59	< 0.59	U	0.59	< 0.3	U	0.3	< 0.3	U	0.3	< 0.3	U	0.3	< 0.				

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		12/10/2019 MW18-12B N			12/10/2019 MW18-12C N			12/10/2019 MW18-13B N			12/10/2019 MW18-13C N			12/10/2019 MW18-14A N			12/10/2019 MW18-14B N			12/10/2019 MW18-14C N			12/10/2019 MW18-8F N			12/10/2019 MW94-1B N			12/10/2019 MW94-2B N			12/10/2019 MW94-3 N			12/10/2019 MW94-5 N			
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	
Pesticides																																						
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Polychlorinated Biphenyls																																						
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Perfluoroalkyl and Polyfluoroalkyl Substances																																						
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
N-Ethy perfluorooctanesulfonamidoacetic acid (NtFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA												

Table 3
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Sample Date Location ID Sample Type		12/10/2019 MW18-12B N			12/10/2019 MW18-12C N			12/10/2019 MW18-13B N			12/10/2019 MW18-13C N			12/10/2019 MW18-14A N			12/10/2019 MW18-14B N			12/10/2019 MW18-14C N			12/10/2019 MW18-8F N			12/10/2019 MW94-1B N			12/10/2019 MW94-2B N			12/10/2019 MW94-3 N			12/10/2019 MW94-5 N			
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	
Metals																																						
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
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Central Hudson Gas Electric Corp.
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Sample Date		12/10/2019			12/10/2019			12/10/2019			12/10/2019			12/10/2019			12/11/2019			12/11/2019			12/11/2019			12/11/2019			12/11/2019			12/11/2019						
Location ID		MW96-6			MW96-7B			MW-94-5			MW18-8D			MW18-12A			MW94-1B			MW-01-8B			MW96-6			MW18-12B			MW96-7B			MW18-12C			MW94-3			
Sample Type		N			N			N			N			N			N			N			N			N			N			N			N			
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL				
Volatile Organic Compounds																																						
1,1,1-Trichloroethane	ug/L	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.48	U	0.48	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	58	*	4.8	< 0.24	U	0.24	< 1.2	U	1.2	0.29	J	0.24	
1,1,2,2-Tetrachloroethane	ug/L	NA			NA			< 0.37	U	0.37	< 0.73	U	0.73	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 7.3	U	7.3	< 0.37	U	0.37	< 1.8	U	1.8	< 0.37	U	0.37	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA			NA			< 0.31	U	0.31	< 0.62	U	0.62	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 6.2	U	6.2	< 0.31	U	0.31	< 1.6	U	1.6	< 0.31	U	0.31	
1,1,2-Trichloroethane	ug/L	NA			NA			< 0.43	U	0.43	< 0.87	U	0.87	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 8.7	U	8.7	< 0.43	U	0.43	4.6	J	2.2	< 0.43	U	0.43	
1,1-Dichloroethane	ug/L	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.53	U	0.53	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	32		5.3	< 0.26	U	0.26	2.6	J	1.3	< 0.26	U	0.26	
1,1-Dichloroethene	ug/L	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	2.5		0.53	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	27		5.3	< 0.26	U	0.26	3.4	J	1.3	< 0.26	U	0.26	
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2,3-Trichlorobenzene	ug/L	NA			NA			< 0.36	U	0.36	< 0.71	U	0.71	< 0.36	U	0.36	< 0.36	U	0.36	< 0.36	U	0.36	< 0.36	U	0.36	< 7.1	U	7.1	< 0.36	U	0.36	< 1.8	U	1.8	< 0.36	U	0.36	
1,2,4-Trichlorobenzene	ug/L	NA			NA			< 0.37	U	0.37	< 0.73	U	0.73	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 7.3	U	7.3	< 0.37	U	0.37	< 1.8	U	1.8	< 0.37	U	0.37	
1,2-Dibromo-3-chloropropane	ug/L	NA			NA			< 0.38	U	0.38	< 0.75	U	0.75	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 7.5	U	7.5	< 0.38	U	0.38	< 1.9	U	1.9	< 0.38	U	0.38	
1,2-Dibromoethane (EDB)	ug/L	NA			NA			< 0.50	U	0.50	< 1.0	U	1.0	< 0.50	U	0.50	< 0.50	U	0.50	< 0.50	U	0.50	< 0.50	U	0.50	< 10	U	10	< 0.50	U	0.50	< 2.5	U	2.5	< 0.50	U	0.50	
1,2-Dichlorobenzene	ug/L	NA			NA			< 0.43	U	0.43	< 0.86	U	0.86	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 8.6	U	8.6	< 0.43	U	0.43	< 2.2	U	2.2	< 0.43	U	0.43	
1,2-Dichloroethane	ug/L	< 4.4	U	4.4	< 0.43	U	0.43	< 0.43	U	0.43	< 0.86	U	0.86	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 8.6	U	8.6	< 0.43	U	0.43	< 2.2	U	2.2	< 0.43	U	0.43	
1,2-Dichloropropane	ug/L	NA			NA			< 0.35	U	0.35	< 0.71	U	0.71	< 0.35	U	0.35	< 0.35	U	0.35	< 0.35	U	0.35	< 0.35	U	0.35	< 7.1	U	7.1	< 0.35	U	0.35	< 1.8	U	1.8	< 0.35	U	0.35	
1,3-Dichlorobenzene	ug/L	NA			NA			< 0.34	U	0.34	< 0.68	U	0.68	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 6.8	U	6.8	< 0.34	U	0.34	< 1.7	U	1.7	< 0.34	U	0.34	
1,4-Dichlorobenzene	ug/L	NA			NA			< 0.33	U	0.33	< 0.67	U	0.67	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 6.7	U	6.7	< 0.33	U	0.33	< 1.7	U	1.7	< 0.33	U	0.33	
1,4-Dioxane	ug/L	NA			NA			< 28	U	28	< 56	U	56	< 28	U	28	< 28	U	28	< 28	U	28	< 28	U	28	< 560	U	560	< 28	U	28	< 140	U	140	< 28	U	28	
2-Butanone	ug/L	NA			NA			< 1.9	U	1.9	11		3.7	< 1.9	U	1.9	< 1.9	U	1.9	< 1.9	U	1.9	< 1.9	U	1.9	< 37	U	37	< 1.9	U	1.9	< 9.3	U	9.3	< 1.9	U	1.9	
2-Hexanone	ug/L	NA			NA			< 1.1	U	1.1	< 2.3	U	2.3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 23	U	23	< 1.1	U	1.1	< 5.7	U	5.7	< 1.1	U	1.1	
4-Methyl-2-pentanone	ug/L	NA			NA			< 1.3	U	1.3	< 2.6	U	2.6	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 26	U	26	< 1.3	U	1.3	< 6.5	U	6.5	< 1.3	U	1.3	
Acetone	ug/L	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	140		8.8	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 88	U	88	< 4.4	U	4.4	37		22	< 4.4	U	4.4	
Benzene	ug/L	< 0.2	U	0.2	< 0.2	U	0.2	< 0.20	U	0.20	< 0.41	U	0.41	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 4.1	U	4.1	< 0.20	U	0.20	< 1.0	U *	1.0	< 0.20	U	0.20	
Bromochloromethane	ug/L	NA			NA			< 0.41	U	0.41	< 0.82	U	0.82	< 0.41	U	0.41	< 0.41	U	0.41	< 0.41	U	0.41	< 0.41	U	0.41	< 8.2	U	8.2	< 0.41	U	0.41	< 2.1	U	2.1	< 0.41	U	0.41	
Bromodichloromethane	ug/L	NA			NA			< 0.34	U	0.34	< 0.69	U	0.69	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 6.9	U	6.9	< 0.34	U	0.34	< 1.7	U	1.7	< 0.34	U	0.34	
Bromoform	ug/L	NA			NA			< 0.54	U	0.54	< 1.1	U	1.1	< 0.54	U	0.54	< 0.54	U	0.54	< 0.54	U	0.54	< 0.54	U	0.54	< 11	U	11	< 0.54	U	0.54	< 2.7	U	2.7	< 0.54	U	0.54	
Bromomethane	ug/L	NA			NA			< 0.55	U	0.55	< 1.1	U	1.1	< 0.55	U	0.55	< 0.55	U	0.55	< 0.55	U	0.55	< 0.55	U	0.55	< 11	U	11	< 0.55	U	0.55	< 2.8	U	2.8	< 0.55	U	0.55	
Carbon disulfide	ug/L	NA			NA			< 0.82	U	0.82	< 1.6	U	1.6	< 0.82	U	0.82	< 0.82	U	0.82	< 0.82	U	0.82	< 0.82	U	0.82	< 16	U	16	< 0.82	U	0.82	6.7		4.1	< 0.82	U	0.82	
Carbon tetrachloride	ug/L	NA			NA			< 0.21	U	0.21	< 0.42	U	0.42	< 0.21	U	0.21	< 0.21	U	0.21	< 0.21	U	0.21	< 0.21	U	0.21	< 4.2	U *	4.2	< 0.21	U	0.21	< 1.0	U	1.0	< 0.21	U	0.21	
Chlorobenzene	ug/L	NA			NA			< 0.38	U	0.38	< 0.75	U	0.75	< 0.38	U	0.38																						

Table 3
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Sample Date Location ID Sample Type		12/10/2019 MW96-6 N			12/10/2019 MW96-7B N			12/10/2019 MW-94-5 N			12/10/2019 MW18-8D N			12/10/2019 MW18-12A N			12/11/2019 MW94-1B N			12/11/2019 MW-01-8B N			12/11/2019 MW96-6 N			12/11/2019 MW18-12B N			12/11/2019 MW96-7B N			12/11/2019 MW18-12C N			12/11/2019 MW94-3 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Semivolatile Organic Compounds																																					
1,1-Biphenyl	ug/L	NA			NA			< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	NA			NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	NA			NA			NA			NA			NA			NA			NA		
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			< 0.75	U	0.75	< 0.75	U	0.75	< 0.75	U	0.75	NA			NA			NA			NA			NA			NA			NA		
2,4,5-Trichlorophenol	ug/L	NA			NA			< 0.88	U	0.88	< 0.88	U	0.88	< 0.88	U	0.88	NA			NA			NA			NA			NA			NA			NA		
2,4,6-Trichlorophenol	ug/L	NA			NA			< 0.86	U	0.86	< 0.86	U	0.86	< 0.86	U	0.86	NA			NA			NA			NA			NA			NA			NA		
2,4-Dichlorophenol	ug/L	NA			NA			< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	NA			NA			NA			NA			NA			NA			NA		
2,4-Dimethylphenol	ug/L	NA			NA			< 0.62	U	0.62	< 0.62	U	0.62	< 0.62	U	0.62	NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrophenol	ug/L	NA			NA			< 14	U	14	< 14	U	14	< 14	U	14	NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrotoluene	ug/L	NA			NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0	NA			NA			NA			NA			NA			NA			NA		
2,6-Dinitrotoluene	ug/L	NA			NA			< 0.83	U	0.83	4.7		0.83	< 0.83	U	0.83	NA			NA			NA			NA			NA			NA			NA		
2-Chloronaphthalene	ug/L	NA			NA			< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	NA			NA			NA			NA			NA			NA			NA		
2-Chlorophenol	ug/L	NA			NA			< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	NA			NA			NA			NA			NA			NA			NA		
2-Methylnaphthalene	ug/L	NA			NA			< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	NA			NA			NA			NA			NA			NA			NA		
2-Methylphenol	ug/L	NA			NA			< 0.67	U	0.67	< 0.67	U	0.67	< 0.67	U	0.67	NA			NA			NA			NA			NA			NA			NA		
2-Nitroaniline	ug/L	NA			NA			< 0.47	U	0.47	< 0.47	U	0.47	< 0.47	U	0.47	NA			NA			NA			NA			NA			NA			NA		
2-Nitrophenol	ug/L	NA			NA			< 0.75	U	0.75	< 0.75	U	0.75	< 0.75	U	0.75	NA			NA			NA			NA			NA			NA			NA		
3,3-Dichlorobenzidine	ug/L	NA			NA			< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	NA			NA			NA			NA			NA			NA			NA		
3-Nitroaniline	ug/L	NA			NA			< 1.9	U	1.9	< 1.9	U	1.9	< 1.9	U	1.9	NA			NA			NA			NA			NA			NA			NA		
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			< 13	U	13	< 13	U	13	< 13	U	13	NA			NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	ug/L	NA			NA			< 0.75	U	0.75	< 0.75	U	0.75	< 0.75	U	0.75	NA			NA			NA			NA			NA			NA			NA		
4-Chloro-3-methylphenol	ug/L	NA			NA			< 0.58	U	0.58	< 0.58	U	0.58	< 0.58	U	0.58	NA			NA			NA			NA			NA			NA			NA		
4-Chloroaniline	ug/L	NA			NA			< 1.9	U	1.9	< 1.9	U	1.9	< 1.9	U	1.9	NA			NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	ug/L	NA			NA			< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	NA			NA			NA			NA			NA			NA			NA		
4-Methylphenol	ug/L	NA			NA			< 0.65	U	0.65	1.3	J	0.65	< 0.65	U	0.65	NA			NA			NA			NA			NA			NA			NA		
4-Nitroaniline	ug/L	NA			NA			< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	NA			NA			NA			NA			NA			NA			NA		
4-Nitrophenol	ug/L	NA			NA			< 4.0	U	4.0	< 4.0	U	4.0	< 4.0	U	4.0	NA			NA			NA			NA			NA			NA			NA		
Acenaphthene	ug/L	NA			NA			< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	NA			NA			NA			NA			NA			NA			NA		
Acenaphthylene	ug/L	NA			NA			< 0.82	U	0.82	< 0.82	U	0.82	< 0.82	U	0.82	NA			NA			NA			NA			NA			NA			NA		
Acetophenone	ug/L	NA			NA			< 2.3	U	2.3	< 2.3	U	2.3	< 2.3	U	2.3	NA			NA			NA			NA			NA			NA			NA		
Anthracene	ug/L	NA			NA			< 0.63	U	0.63	< 0.63	U	0.63	< 0.63	U	0.63	NA			NA			NA			NA			NA			NA			NA		
Atrazine	ug/L	NA			NA			< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	NA			NA			NA			NA			NA			NA			NA		
Benzaldehyde	ug/L	NA			NA			< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	NA			NA			NA			NA			NA			NA			NA		
Benzo[a]anthracene	ug/L	NA			NA			< 0.59	U	0.59	< 0.59	U	0.59	< 0.59	U	0.59	NA			NA			NA			NA			NA			NA			NA		
Benzo[a]pyrene	ug/L	NA			NA			< 0.41	U	0.41	< 0.41	U	0.41	< 0.41	U	0.41	NA			NA			NA			NA			NA			NA			NA		
Benzo[b]fluoranthene	ug/L	NA			NA			< 0.68	U	0.68	< 0.68	U	0.68	< 0.68	U	0.68	NA			NA			NA			NA			NA			NA			NA		
Benzo[g,h,i]perylene	ug/L	NA			NA			< 1.4	U	1.4	< 1.4	U	1.4	< 1.4																							

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Sample Date Location ID Sample Type		12/10/2019 MW96-6 N			12/10/2019 MW96-7B N			12/10/2019 MW-94-5 N			12/10/2019 MW18-8D N			12/10/2019 MW18-12A N			12/11/2019 MW94-1B N			12/11/2019 MW-01-8B N			12/11/2019 MW96-6 N			12/11/2019 MW18-12B N			12/11/2019 MW96-7B N			12/11/2019 MW18-12C N			12/11/2019 MW94-3 N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																																					
Aluminum	ug/L	NA			NA			1210		18.8	826		18.8	198		18.8	NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			0.67	J	0.40	0.55	J	0.40	< 0.40	U	0.40	NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			6.6		0.73	1.4	J	0.73	0.77	J	0.73	NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			51.4		1.2	3220		1.2	13.5		1.2	NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25	NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			106000		98.8	369000		494	91300		98.8	NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			2.4	J	2.3	18.0		2.3	6.3		2.3	NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			< 1.6	U	1.6	3.9	J	1.6	< 1.6	U	1.6	NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			10.6		2.0	233		2.0	< 2.0	U	2.0	NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			1410		51.1	519		51.1	245		51.1	NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			4.3		0.55	44.5		0.55	< 0.55	U	0.55	NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			14700		73.7	209		73.7	15100		73.7	NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			37.4		2.9	13.0		2.9	11.7		2.9	NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			< 0.12	U	0.12	< 0.12	U	0.12	< 0.12	U	0.12	NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			< 2.4	U	2.4	9.7		2.4	< 2.4	U	2.4	NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			4630		86.7	560000		434	2060		86.7	NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			< 5.4	U	5.4	< 5.4	U	5.4	< 5.4	U	5.4	NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			< 0.59	U	0.59	< 0.59	U	0.59	< 0.59	U	0.59	NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			391000		128	396000		128	376000		128	NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			< 0.16	U	0.16	< 0.16	U	0.16	< 0.16	U	0.16	NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			2.9	J	1.1	3.2	J	1.1	< 1.1	U	1.1	NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			24.3		11.1	454		11.1	< 11.1	U	11.1	NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
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	Sample Date	12/11/2019			12/12/2019			12/12/2019			12/12/2019			12/12/2019			12/12/2019			12/12/2019			12/12/2019			12/12/2019			12/12/2019			12/12/2019			12/12/2019		
	Location ID	MW18-10A			MW18-11B			MW18-11A			MW18-11C			MW18-14A			MW18-10C			MW18-10B			MW94-2B			MW06-9C			MW18-14C			MW18-14B			MW18-13B		
	N																																				
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL			
Volatile Organic Compounds																																					
1,1,1-Trichloroethane	ug/L	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 48	U	48	< 1.2	U	1.2	15		0.48			
1,1,2,2-Tetrachloroethane	ug/L	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 73	U	73	< 1.8	U	1.8	< 0.73	U	0.73			
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 62	U	62	< 1.6	U	1.6	< 0.62	U	0.62			
1,1,2-Trichloroethane	ug/L	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 87	U	87	< 2.2	U	2.2	< 0.87	U	0.87			
1,1-Dichloroethane	ug/L	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 53	U	53	< 1.3	U	1.3	52		0.53			
1,1-Dichloroethene	ug/L	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 340	U	53	2.5	J	1.3	31		0.53			
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA				NA			NA				
1,2,3-Trichlorobenzene	ug/L	< 0.36	U	0.36	< 0.36	U	0.36	< 0.36	U	0.36	< 0.36	U	0.36	< 0.36	U	0.36	< 0.36	U	0.36	< 0.36	U	0.36	< 0.36	U	0.36	< 71	U	71	< 1.8	U	1.8	< 0.71	U	0.71			
1,2,4-Trichlorobenzene	ug/L	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 73	U	73	< 1.8	U	1.8	< 0.73	U	0.73			
1,2-Dibromo-3-chloropropane	ug/L	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 75	U	75	< 1.9	U	1.9	< 0.75	U	0.75			
1,2-Dibromomethane (EDB)	ug/L	< 0.50	U	0.50	< 0.50	U	0.50	< 0.50	U	0.50	< 0.50	U	0.50	< 0.50	U	0.50	< 0.50	U	0.50	< 0.50	U	0.50	< 0.50	U	0.50	< 100	U	100	< 2.5	U	2.5	< 1.0	U	1.0			
1,2-Dichlorobenzene	ug/L	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 86	U	86	< 2.2	U	2.2	< 0.86	U	0.86			
1,2-Dichloroethane	ug/L	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 86	U	86	< 2.2	U	2.2	< 0.86	U	0.86			
1,2-Dichloropropane	ug/L	< 0.35	U	0.35	< 0.35	U	0.35	< 0.35	U	0.35	< 0.35	U	0.35	< 0.35	U	0.35	< 0.35	U	0.35	< 0.35	U	0.35	< 0.35	U	0.35	< 71	U	71	< 1.8	U	1.8	< 0.71	U	0.71			
1,3-Dichlorobenzene	ug/L	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 68	U	68	< 1.7	U	1.7	< 0.68	U	0.68			
1,4-Dichlorobenzene	ug/L	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 67	U	67	< 1.7	U	1.7	< 0.67	U	0.67			
1,4-Dioxane	ug/L	< 28	U	28	< 28	U	28	< 28	U	28	< 28	U	28	< 28	U	28	< 28	U	28	< 28	U	28	< 28	U	28	< 5600	U	5600	< 140	U	140	< 56	U	56			
2-Butanone	ug/L	< 1.9	U	1.9	< 1.9	U	1.9	< 1.9	U	1.9	< 1.9	U	1.9	< 1.9	U	1.9	< 1.9	U	1.9	< 1.9	U	1.9	< 1.9	U	1.9	< 370	U	370	< 9.3	U	9.3	< 3.7	U	3.7			
2-Hexanone	ug/L	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 230	U	230	< 5.7	U	5.7	< 2.3	U	2.3			
4-Methyl-2-pentanone	ug/L	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 260	U	260	< 6.5	U	6.5	< 2.6	U	2.6			
Acetone	ug/L	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 880	U	880	89		22	< 8.8	U	8.8			
Benzene	ug/L	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 41	U	41	< 1.0	U	1.0	< 0.41	U	0.41			
Bromochloromethane	ug/L	< 0.41	U	0.41	< 0.41	U	0.41	< 0.41	U	0.41	< 0.41	U	0.41	< 0.41	U	0.41	< 0.41	U	0.41	< 0.41	U	0.41	< 0.41	U	0.41	< 82	U	82	< 2.1	U	2.1	< 0.82	U	0.82			
Bromodichloromethane	ug/L	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 69	U	69	< 1.7	U	1.7	< 0.69	U	0.69			
Bromoform	ug/L	< 0.54	U	0.54	< 0.54	U	0.54	< 0.54	U	0.54	< 0.54	U	0.54	< 0.54	U	0.54	< 0.54	U	0.54	< 0.54	U	0.54	< 0.54	U	0.54	< 110	U	110	< 2.7	U	2.7	< 1.1	U	1.1			
Bromomethane	ug/L	< 0.55	U	0.55	< 0.55	U	0.55	< 0.55	U	0.55	< 0.55	U	0.55	< 0.55	U	0.55	< 0.55	U	0.55	< 0.55	U	0.55	< 0.55	U	0.55	< 110	U	110	< 2.8	U	2.8	< 1.1	U	1.1			
Carbon disulfide	ug/L	< 0.82	U	0.82	< 0.82	U	0.82	< 0.82	U	0.82	1.1		0.82	< 0.82	U	0.82	< 0.82	U	0.82	< 0.82	U	0.82	< 0.82	U	0.82	< 160	U	160	< 4.1	U	4.1	< 1.6	U	1.6			
Carbon tetrachloride	ug/L	< 0.21	U	0.21	< 0.21	U	0.21	< 0.21	U	0.21	< 0.21	U	0.21	< 0.21	U	0.21	< 0.21	U	0.21	< 0.21	U	0.21	< 0.21	U	0.21	< 42	U	42	< 1.0	U	1.0	< 0.42	U	0.42			
Chlorobenzene	ug/L	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 75	U	75	< 1.9	U	1.9	< 0.75	U	0.75			
Chloroethane	ug/L	< 0.32	U	0.32	< 0.32	U	0.32	< 0.32	U	0.32	< 0.32	U	0.32	< 0.32	U	0.32	< 0.32	U	0.32	< 0.32	U	0.32	< 0.32	U	0.32	< 64	U	64	< 1.6	U	1.6	3.5		0.64			
Chloroform	ug/L	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 65	U	65	< 1.6	U	1.6	< 0.65	U	0.65			
Chloromethane	ug/L	< 0.40	U	0.40	< 0.40	U	0.40	< 0.40	U	0.40	< 0.40	U	0.40	0.56	J	0.40	< 0.40	U	0.40	< 0.40	U	0.40	< 0.40	U	0.40	< 80	U	80	< 2.0	U	2.0	< 0.80	U	0.80			
cis-1,2-Dichloroethylene	ug/L	1.6			0.22	0.78	J	0.22	< 0.22	U	0.22	60		0.22	< 0.22	U	0.22	0.65	J	0.22	< 0.22	U	0.22	51		0.22	72000		44	1600		1.1	900		0.44		
cis-1,3-Dichloropropene	ug/L	< 0.22	U	0.22	< 0.22	U	0.22	< 0.22	U	0.22	< 0.22	U	0.22	< 0.22	U	0.22	< 0.22	U	0.22	< 0.22	U	0.22	< 0.22	U	0.22	< 44	U	44	< 1.1	U	1.1	< 0.44	U	0.44			
Cyclohexane	ug/L	< 0.32	U	0.32	< 0.32	U	0.32	< 0.32	U	0.32	< 0.32	U	0.32	< 0.32	U	0.32	< 0.32	U	0.32	< 0.32	U	0.32	< 0.32	U	0.32	< 64	U	64	< 1.6	U	1.6	< 0.64	U	0.64			
Dibromochloromethane	ug/L	< 0.28	U	0.28	< 0.28	U	0.28	< 0.28	U	0.28	< 0.28	U	0.28	< 0.28	U	0.28	< 0.28	U	0.28	< 0.28	U	0.28	< 0.28	U	0.28	< 56	U	56	< 1.4	U	1.4	< 0.56	U	0.56			
Dichlorodifluoromethane	ug/L	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 62	U	62	< 1.6	U	1.6	< 0.62	U	0.62			
Ethylbenzene	ug/L	< 0.30	U	0.30	< 0.30	U	0.30	< 0.30	U	0.30	< 0.30	U	0.30	< 0.30	U	0.30	< 0.30	U	0.30	< 0.30	U	0.30	< 0.30	U	0.30	< 60	U	60	< 1.5	U	1.5						

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		12/11/2019 MW18-10A N			12/12/2019 MW18-11B N			12/12/2019 MW18-11A N			12/12/2019 MW18-11C N			12/12/2019 MW18-14A N			12/12/2019 MW18-10C N			12/12/2019 MW18-10B N			12/12/2019 MW94-2B N			12/12/2019 MW06-9C N			12/13/2019 MW18-14C N			12/13/2019 MW18-14B N			12/13/2019 MW18-13B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Semivolatile Organic Compounds																																					
1,1-Biphenyl	ug/L	NA			NA			NA			NA			< 1.2	U	1.2	NA			NA			< 1.2	U	1.2	NA			< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			< 1.2	U	1.2	NA			NA			< 1.2	U	1.2	NA			< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			< 0.75	U	0.75	NA			NA			< 0.75	U	0.75	NA			< 0.75	U	0.75	< 0.75	U	0.75	< 0.75	U	0.75
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			< 0.88	U	0.88	NA			NA			< 0.88	U	0.88	NA			< 0.88	U	0.88	< 0.88	U	0.88	< 0.88	U	0.88
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			< 0.86	U	0.86	NA			NA			< 0.86	U	0.86	NA			< 0.86	U	0.86	< 0.86	U	0.86	< 0.86	U	0.86
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			< 1.1	U	1.1	NA			NA			< 1.1	U	1.1	NA			< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			< 0.62	U	0.62	NA			NA			< 0.62	U	0.62	NA			< 0.62	U	0.62	< 0.62	U	0.62	< 0.62	U	0.62
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			< 14	U *	14	NA			NA			< 14	U *	14	NA			< 14	U *	14	< 14	U *	14	< 14	U *	14
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			< 1.0	U	1.0	NA			NA			< 1.0	U	1.0	NA			< 1.0	U	1.0	< 1.0	U	1.0	< 1.0	U	1.0
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			< 0.83	U	0.83	NA			NA			< 0.83	U	0.83	NA			< 0.83	U	0.83	< 0.83	U	0.83	< 0.83	U	0.83
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			< 1.2	U	1.2	NA			NA			< 1.2	U	1.2	NA			< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
2-Chlorophenol	ug/L	NA			NA			NA			NA			< 0.38	U	0.38	NA			NA			< 0.38	U	0.38	NA			< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			< 1.1	U	1.1	NA			NA			< 1.1	U	1.1	NA			< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
2-Methylphenol	ug/L	NA			NA			NA			NA			< 0.67	U	0.67	NA			NA			< 0.67	U	0.67	NA			< 0.67	U	0.67	< 0.67	U	0.67	< 0.67	U	0.67
2-Nitroaniline	ug/L	NA			NA			NA			NA			< 0.47	U	0.47	NA			NA			< 0.47	U	0.47	NA			< 0.47	U	0.47	< 0.47	U	0.47	< 0.47	U	0.47
2-Nitrophenol	ug/L	NA			NA			NA			NA			< 0.75	U	0.75	NA			NA			< 0.75	U	0.75	NA			< 0.75	U	0.75	< 0.75	U	0.75	< 0.75	U	0.75
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			< 1.4	U *	1.4	NA			NA			< 1.4	U *	1.4	NA			< 1.4	U *	1.4	< 1.4	U *	1.4	< 1.4	U *	1.4
3-Nitroaniline	ug/L	NA			NA			NA			NA			< 1.9	U	1.9	NA			NA			< 1.9	U	1.9	NA			< 1.9	U	1.9	< 1.9	U	1.9	< 1.9	U	1.9
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			< 13	U	13	NA			NA			< 13	U	13	NA			< 13	U	13	< 13	U	13	< 13	U	13
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			< 0.75	U	0.75	NA			NA			< 0.75	U	0.75	NA			< 0.75	U	0.75	< 0.75	U	0.75	< 0.75	U	0.75
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			< 0.58	U	0.58	NA			NA			< 0.58	U	0.58	NA			< 0.58	U	0.58	< 0.58	U	0.58	< 0.58	U	0.58
4-Chloroaniline	ug/L	NA			NA			NA			NA			< 1.9	U	1.9	NA			NA			< 1.9	U	1.9	NA			< 1.9	U	1.9	< 1.9	U	1.9	< 1.9	U	1.9
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			< 1.3	U	1.3	NA			NA			< 1.3	U	1.3	NA			< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3
4-Methylphenol	ug/L	NA			NA			NA			NA			< 0.65	U	0.65	NA			NA			< 0.65	U	0.65	NA			< 0.65	U	0.65	< 0.65	U	0.65	< 0.65	U	0.65
4-Nitroaniline	ug/L	NA			NA			NA			NA			< 1.2	U	1.2	NA			NA			< 1.2	U	1.2	NA			< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
4-Nitrophenol	ug/L	NA			NA			NA			NA			< 4.0	U *	4.0	NA			NA			< 4.0	U *	4.0	NA			< 4.0	U *	4.0	< 4.0	U *	4.0	< 4.0	U *	4.0
Acenaphthene	ug/L	NA			NA			NA			NA			< 1.1	U	1.1	NA			NA			< 1.1	U	1.1	NA			< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
Acenaphthylene	ug/L	NA			NA			NA			NA			< 0.82	U	0.82	NA			NA			< 0.82	U	0.82	NA			< 0.82	U	0.82	< 0.82	U	0.82	< 0.82	U	0.82
Acetophenone	ug/L	NA			NA			NA			NA			< 2.3	U	2.3	NA			NA			< 2.3	U	2.3	NA			< 2.3	U	2.3	< 2.3	U	2.3	< 2.3	U	2.3
Anthracene	ug/L	NA			NA			NA			NA			< 0.63	U	0.63	NA			NA			< 0.63	U	0.63	NA			< 0.63	U	0.63	< 0.63	U	0.63	< 0.63	U	0.63
Atrazine	ug/L	NA			NA			NA			NA			< 1.3	U	1.3	NA			NA			< 1.3	U	1.3	NA			< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3
Benzaldehyde	ug/L	NA			NA			NA			NA			< 2.1	U	2.1	NA			NA			< 2.1	U	2.1	NA			< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			< 0.59	U	0.59	NA			NA			< 0.59	U	0.59	NA			< 0.59	U	0.59	< 0.59	U	0.59	< 0.59	U	0.59
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			< 0.41	U	0.41	NA			NA			< 0.41	U	0.41	NA			< 0.41	U	0.41	< 0.41	U	0.41	< 0.41	U	0.41
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			< 0.68	U	0.68	NA			NA			< 0.68	U	0.68	NA			< 0.68	U	0.68	< 0.68	U	0.68	< 0.68	U	0.68
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			< 1.4	U	1.4	NA			NA			< 1.4	U	1.4	NA			< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			< 0.67	U	0.67	NA			NA			< 0.67	U	0.67	NA			< 0.67	U	0.67	< 0.67	U	0.67	< 0.67	U	0.67
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			< 0.59	U	0.59	NA			NA			< 0.59	U	0.59	NA			< 0.59	U	0.59	< 0.59	U	0.59	< 0.59	U	0.59
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			< 0.63	U	0.63	NA			NA			< 0.63	U	0.63	NA			< 0.63	U	0.63	< 0.63	U	0.63	< 0.63	U	0.63
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			< 1.7	U	1.7	NA			NA			< 1.7	U	1.7	NA			< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			< 0.85	U	0.85	NA			NA			< 0.85	U	0.85	NA			< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85
Caprolactam	ug/L	NA			NA			NA			NA			< 0.68	U	0.68	NA			NA			< 0.68	U	0.68	NA			< 0.68	U	0.68	< 0.68	U	0.68	< 0.68	U	0.68
Carbazole	ug/L	NA			NA			NA			NA			< 0.68	U	0.68	NA			NA			< 0.68	U	0.68	NA			< 0.68	U	0.68	< 0.68	U	0.68	< 0.68	U	0.68
Chrysene	ug/L	NA			NA			NA			NA			< 0.91	U	0.91	NA			NA			< 0.91	U	0.91	NA			< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91

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610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		12/11/2019 MW18-10A N			12/12/2019 MW18-11B N			12/12/2019 MW18-11A N			12/12/2019 MW18-11C N			12/12/2019 MW18-14A N			12/12/2019 MW18-10C N			12/12/2019 MW18-10B N			12/12/2019 MW94-2B N			12/12/2019 MW06-9C N			12/13/2019 MW18-14C N			12/13/2019 MW18-14B N			12/13/2019 MW18-13B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL			
Pesticides																																					
4,4-DDD	ug/L	NA			NA			NA			NA			< 0.0060	U	0.0060	NA			NA			< 0.0060	U	0.0060	NA			< 0.0060	U	0.0060	< 0.0060	U	0.0060	< 0.0060	U	0.0060
4,4-DDE	ug/L	NA			NA			NA			NA			< 0.0020	U	0.0020	NA			NA			< 0.0020	U	0.0020	NA			< 0.0020	U	0.0020	< 0.0020	U	0.0020	< 0.0020	U	0.0020
4,4-DDT	ug/L	NA			NA			NA			NA			< 0.0040	U	0.0040	NA			NA			< 0.0040	U	0.0040	NA			< 0.0040	U	0.0040	< 0.0040	U	0.0040	< 0.0040	U	0.0040
Aldrin	ug/L	NA			NA			NA			NA			< 0.0030	U	0.0030	NA			NA			< 0.0030	U	0.0030	NA			< 0.0030	U	0.0030	< 0.0030	U	0.0030	< 0.0030	U	0.0030
alpha-BHC	ug/L	NA			NA			NA			NA			< 0.0070	U	0.0070	NA			NA			< 0.0070	U	0.0070	NA			< 0.0070	U	0.0070	< 0.0070	U	0.0070	< 0.0070	U	0.0070
beta-BHC	ug/L	NA			NA			NA			NA			< 0.0040	U	0.0040	NA			NA			< 0.0040	U	0.0040	NA			< 0.0040	U	0.0040	< 0.0040	U	0.0040	< 0.0040	U	0.0040
Chlordane, technical	ug/L	NA			NA			NA			NA			< 0.055	U	0.055	NA			NA			< 0.055	U	0.055	NA			< 0.055	U	0.055	< 0.055	U	0.055	< 0.055	U	0.055
delta-BHC	ug/L	NA			NA			NA			NA			< 0.0050	U	0.0050	NA			NA			< 0.0050	U	0.0050	NA			< 0.0050	U	0.0050	< 0.0050	U	0.0050	< 0.0050	U	0.0050
Dieldrin	ug/L	NA			NA			NA			NA			< 0.0030	U	0.0030	NA			NA			< 0.0030	U	0.0030	NA			< 0.0030	U	0.0030	< 0.0030	U	0.0030	< 0.0030	U	0.0030
Endosulfan I	ug/L	NA			NA			NA			NA			< 0.0020	U	0.0020	NA			NA			< 0.0020	U	0.0020	NA			< 0.0020	U	0.0020	< 0.0020	U	0.0020	< 0.0020	U	0.0020
Endosulfan II	ug/L	NA			NA			NA			NA			< 0.0040	U	0.0040	NA			NA			< 0.0040	U	0.0040	NA			< 0.0040	U	0.0040	< 0.0040	U	0.0040	< 0.0040	U	0.0040
Endosulfan sulfate	ug/L	NA			NA			NA			NA			< 0.0060	U	0.0060	NA			NA			< 0.0060	U	0.0060	NA			< 0.0060	U	0.0060	< 0.0060	U	0.0060	< 0.0060	U	0.0060
Endrin	ug/L	NA			NA			NA			NA			< 0.0040	U	0.0040	NA			NA			< 0.0040	U	0.0040	NA			< 0.0040	U	0.0040	< 0.0040	U	0.0040	< 0.0040	U	0.0040
Endrin aldehyde	ug/L	NA			NA			NA			NA			< 0.0080	U	0.0080	NA			NA			< 0.0080	U	0.0080	NA			< 0.0080	U	0.0080	< 0.0080	U	0.0080	< 0.0080	U	0.0080
Endrin ketone	ug/L	NA			NA			NA			NA			< 0.0080	U	0.0080	NA			NA			< 0.0080	U	0.0080	NA			< 0.0080	U	0.0080	< 0.0080	U	0.0080	< 0.0080	U	0.0080
gamma-BHC	ug/L	NA			NA			NA			NA			< 0.012	U	0.012	NA			NA			< 0.012	U	0.012	NA			< 0.012	U	0.012	< 0.012	U	0.012	< 0.012	U	0.012
Heptachlor	ug/L	NA			NA			NA			NA			< 0.0030	U	0.0030	NA			NA			< 0.0030	U	0.0030	NA			< 0.0030	U	0.0030	< 0.0030	U	0.0030	< 0.0030	U	0.0030
Heptachlor epoxide	ug/L	NA			NA			NA			NA			< 0.0050	U	0.0050	NA			NA			< 0.0050	U	0.0050	NA			< 0.0050	U	0.0050	< 0.0050	U	0.0050	< 0.0050	U	0.0050
Methoxychlor	ug/L	NA			NA			NA			NA			< 0.0040	U	0.0040	NA			NA			< 0.0040	U	0.0040	NA			< 0.0040	U	0.0040	< 0.0040	U	0.0040	< 0.0040	U	0.0040
Pyrene	ug/L	NA			NA			NA			NA			< 1.6	U	1.6	NA			NA			< 1.6	U	1.6	NA			< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6
Toxaphene	ug/L	NA			NA			NA			NA			< 0.11	U	0.11	NA			NA			< 0.11	U	0.11	NA			< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11
Polychlorinated Biphenyls																																					
Aroclor-1016	ug/L	NA			NA			NA			NA			< 0.12	U	0.12	NA			NA			< 0.12	U	0.12	NA			< 0.12	U	0.12	< 0.12	U	0.12	< 0.12	U	0.12
Aroclor-1221	ug/L	NA			NA			NA			NA			< 0.12	U	0.12	NA			NA			< 0.12	U	0.12	NA			< 0.12	U	0.12	< 0.12	U	0.12	< 0.12	U	0.12
Aroclor-1232	ug/L	NA			NA			NA			NA			< 0.12	U	0.12	NA			NA			< 0.12	U	0.12	NA			< 0.12	U	0.12	< 0.12	U	0.12	< 0.12	U	0.12
Aroclor-1242	ug/L	NA			NA			NA			NA			< 0.12	U	0.12	NA			NA			< 0.12	U	0.12	NA			< 0.12	U	0.12	< 0.12	U	0.12	< 0.12	U	0.12
Aroclor-1248	ug/L	NA			NA			NA			NA			< 0.12	U	0.12	NA			NA			< 0.12	U	0.12	NA			< 0.12	U	0.12	< 0.12	U	0.12	< 0.12	U	0.12
Aroclor-1254	ug/L	NA			NA			NA			NA			< 0.11	U	0.11	NA			NA			< 0.11	U	0.11	NA			< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11
Aroclor-1260	ug/L	NA			NA			NA			NA			< 0.11	U	0.11	NA			NA			< 0.11	U	0.11	NA			< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11
Aroclor-1262	ug/L	NA			NA			NA			NA			< 0.11	U	0.11	NA			NA			< 0.11	U	0.11	NA			< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11
Aroclor-1268	ug/L	NA			NA			NA			NA			< 0.11	U	0.11	NA			NA			< 0.11	U	0.11	NA			< 0.11	U	0.11	< 0.11	U	0.11	< 0.11	U	0.11
Total PCBs	ug/L	NA			NA			NA			NA			< 0.12	U	0.12	NA			NA			< 0.12	U	0.12	NA			< 0.12	U	0.12	< 0.12	U	0.12	< 0.12	U	0.12
Perfluoroalkyl and Polyfluoroalkyl Substances																																					
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NtEFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMtEFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA</																				

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		12/11/2019 MW18-10A N			12/12/2019 MW18-11B N			12/12/2019 MW18-11A N			12/12/2019 MW18-11C N			12/12/2019 MW18-14A N			12/12/2019 MW18-10C N			12/12/2019 MW18-10B N			12/12/2019 MW94-2B N			12/12/2019 MW06-9C N			12/13/2019 MW18-14C N			12/13/2019 MW18-14B N			12/13/2019 MW18-13B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																																					
Aluminum	ug/L	NA			NA			NA			NA			< 18.8	U	18.8	NA			NA			< 18.8	U	18.8	NA			31.0	J	18.8	1750		18.8	78.7		18.8
Antimony	ug/L	NA			NA			NA			NA			0.64	J	0.40	NA			NA			0.49	J	0.40	NA			0.89	J	0.40	1.6	J	0.40	2.0		0.40
Arsenic	ug/L	NA			NA			NA			NA			2.1		0.73	NA			NA			< 0.73	U	0.73	NA			5.0		0.73	2.3		0.73	8.9		0.73
Barium	ug/L	NA			NA			NA			NA			60.7		1.2	NA			NA			45.0		1.2	NA			106		1.2	93.2		1.2	412		1.2
Beryllium	ug/L	NA			NA			NA			NA			< 0.25	U	0.25	NA			NA			< 0.25	U	0.25	NA			< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25
Cadmium	ug/L	NA			NA			NA			NA			< 0.81	U	0.81	NA			NA			< 0.81	U	0.81	NA			< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81
Calcium	ug/L	NA			NA			NA			NA			147000		98.8	NA			NA			95000		98.8	NA			78500		98.8	3620		98.8	104000		98.8
Chromium	ug/L	NA			NA			NA			NA			< 2.3	U	2.3	NA			NA			< 2.3	U	2.3	NA			18.8		2.3	66.4		2.3	20.1		2.3
Cobalt	ug/L	NA			NA			NA			NA			< 1.6	U	1.6	NA			NA			< 1.6	U	1.6	NA			2.0	J	1.6	< 1.6	U	1.6	3.2	J	1.6
Copper	ug/L	NA			NA			NA			NA			2.2	J	2.0	NA			NA			< 2.0	U	2.0	NA			5.0		2.0	18.9		2.0	22.2		2.0
Iron	ug/L	NA			NA			NA			NA			2810		51.1	NA			NA			358		51.1	NA			2600		51.1	676		51.1	694		51.1
Lead	ug/L	NA			NA			NA			NA			< 0.55	U	0.55	NA			NA			< 0.55	U	0.55	NA			0.94	J	0.55	1.8		0.55	0.91	J	0.55
Magnesium	ug/L	NA			NA			NA			NA			23000		73.7	NA			NA			31500		73.7	NA			30100		73.7	204		73.7	57900		73.7
Manganese	ug/L	NA			NA			NA			NA			2190		2.9	NA			NA			4.0	J	2.9	NA			252		2.9	6.5	J	2.9	48.6		2.9
Mercury	ug/L	NA			NA			NA			NA			< 0.12	U	0.12	NA			NA			< 0.12	U	0.12	NA			< 0.12	U	0.12	< 0.12	U	0.12	< 0.12	U	0.12
Nickel	ug/L	NA			NA			NA			NA			< 2.4	U	2.4	NA			NA			5.1		2.4	NA			18.3		2.4	48.8		2.4	22.4		2.4
Potassium	ug/L	NA			NA			NA			NA			10600		86.7	NA			NA			3650		86.7	NA			15700		86.7	61100		86.7	3160		86.7
Selenium	ug/L	NA			NA			NA			NA			< 5.4	U	5.4	NA			NA			< 5.4	U	5.4	NA			< 5.4	U	5.4	< 5.4	U	5.4	< 5.4	U	5.4
Silver	ug/L	NA			NA			NA			NA			< 0.59	U	0.59	NA			NA			< 0.59	U	0.59	NA			< 0.59	U	0.59	< 0.59	U	0.59	< 0.59	U	0.59
Sodium	ug/L	NA			NA			NA			NA			83300		128	NA			NA			212000		128	NA			117000		128	391000		128	115000		128
Thallium	ug/L	NA			NA			NA			NA			< 0.16	U	0.16	NA			NA			< 0.16	U	0.16	NA			< 0.16	U	0.16	< 0.16	U	0.16	< 0.16	U	0.16
Vanadium	ug/L	NA			NA			NA			NA			1.1	J	1.1	NA			NA			< 1.1	U	1.1	NA			< 1.1	U	1.1	14.6		1.1	< 1.1	U	1.1
Zinc	ug/L	NA			NA			NA			NA			< 11.1	U	11.1	NA			NA			< 11.1	U	11.1	NA			58.1		11.1	14.8	J	11.1	24.6		11.1

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		12/13/2019 MW18-13C N			12/13/2019 MW06-2C N			12/13/2019 MW18-8F N			3/17/2020 MW01-8B N			3/17/2020 MW06-2C N			3/17/2020 MW06-9C N			3/17/2020 MW18-10A N			3/17/2020 MW18-10B N			3/17/2020 MW18-10C N			3/17/2020 MW18-11A N			3/17/2020 MW18-11B N			3/17/2020 MW18-11C N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL			
Volatile Organic Compounds																																					
1,1,1-Trichloroethane	ug/L	20		0.48	< 0.24	U	0.24	< 0.48	U *	0.48	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	NA			< 0.24	U	0.24	< 0.24	U	0.24	NA		
1,1,2,2-Tetrachloroethane	ug/L	< 0.73	U	0.73	< 0.37	U	0.37	< 0.73	U	0.73	NA			NA			NA			NA			NA			NA					NA			NA			
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	< 0.62	U	0.62	< 0.31	U	0.31	< 0.62	U	0.62	NA			NA			NA			NA			NA			NA					NA			NA			
1,1,2-Trichloroethane	ug/L	< 0.87	U	0.87	< 0.43	U	0.43	< 0.87	U	0.87	NA			NA			NA			NA			NA			NA					NA			NA			
1,1-Dichloroethane	ug/L	31		0.53	0.31	J	0.26	< 0.53	U	0.53	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	NA			< 0.26	U	0.26	< 0.26	U	0.26	NA		
1,1-Dichloroethene	ug/L	27		0.53	< 0.26	U	0.26	0.97	J	0.53	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA					NA			NA			
1,2,3-Trichlorobenzene	ug/L	< 0.71	U	0.71	< 0.36	U	0.36	< 0.71	U	0.71	NA			NA			NA			NA			NA			NA					NA			NA			
1,2,4-Trichlorobenzene	ug/L	< 0.73	U	0.73	< 0.37	U	0.37	< 0.73	U	0.73	NA			NA			NA			NA			NA			NA					NA			NA			
1,2-Dibromo-3-chloropropane	ug/L	< 0.75	U	0.75	< 0.38	U	0.38	< 0.75	U	0.75	NA			NA			NA			NA			NA			NA					NA			NA			
1,2-Dibromoethane (EDB)	ug/L	< 1.0	U	1.0	< 0.50	U	0.50	< 1.0	U	1.0	NA			NA			NA			NA			NA			NA					NA			NA			
1,2-Dichlorobenzene	ug/L	< 0.86	U	0.86	< 0.43	U	0.43	< 0.86	U	0.86	NA			NA			NA			NA			NA			NA					NA			NA			
1,2-Dichloroethane	ug/L	< 0.86	U	0.86	< 0.43	U	0.43	< 0.86	U	0.86	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	NA		
1,2-Dichloropropane	ug/L	< 0.71	U	0.71	< 0.35	U	0.35	< 0.71	U	0.71	NA			NA			NA			NA			NA			NA					NA			NA			
1,3-Dichlorobenzene	ug/L	< 0.68	U	0.68	< 0.34	U	0.34	< 0.68	U	0.68	NA			NA			NA			NA			NA			NA					NA			NA			
1,4-Dichlorobenzene	ug/L	< 0.67	U	0.67	< 0.33	U	0.33	< 0.67	U	0.67	NA			NA			NA			NA			NA			NA					NA			NA			
1,4-Dioxane	ug/L	< 56	U	56	< 28	U	28	< 56	U	56	NA			NA			NA			NA			NA			NA					NA			NA			
2-Butanone	ug/L	< 3.7	U	3.7	< 1.9	U	1.9	< 3.7	U	3.7	NA			NA			NA			NA			NA			NA					NA			NA			
2-Hexanone	ug/L	< 2.3	U	2.3	< 1.1	U	1.1	< 2.3	U	2.3	NA			NA			NA			NA			NA			NA					NA			NA			
4-Methyl-2-pentanone	ug/L	< 2.6	U	2.6	< 1.3	U	1.3	< 2.6	U	2.6	NA			NA			NA			NA			NA			NA					NA			NA			
Acetone	ug/L	11		8.8	< 4.4	U	4.4	22		8.8	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4
Benzene	ug/L	< 0.41	U *	0.41	< 0.20	U	0.20	4.6		0.41	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	NA		
Bromochloromethane	ug/L	< 0.82	U	0.82	< 0.41	U	0.41	< 0.82	U	0.82	NA			NA			NA			NA			NA			NA					NA			NA			
Bromodichloromethane	ug/L	< 0.69	U	0.69	< 0.34	U	0.34	< 0.69	U	0.69	NA			NA			NA			NA			NA			NA					NA			NA			
Bromoform	ug/L	< 1.1	U	1.1	< 0.54	U	0.54	< 1.1	U	1.1	NA			NA			NA			NA			NA			NA					NA			NA			
Bromomethane	ug/L	< 1.1	U	1.1	< 0.55	U	0.55	< 1.1	U	1.1	NA			NA			NA			NA			NA			NA					NA			NA			
Carbon disulfide	ug/L	< 1.6	U	1.6	< 0.82	U	0.82	4.4		1.6	NA			NA			NA			NA			NA			NA					NA			NA			
Carbon tetrachloride	ug/L	< 0.42	U	0.42	< 0.21	U	0.21	< 0.42	U *	0.42	NA			NA			NA			NA			NA			NA					NA			NA			
Chlorobenzene	ug/L	< 0.75	U	0.75	< 0.38	U	0.38	< 0.75	U	0.75	NA			NA			NA			NA			NA			NA					NA			NA			
Chloroethane	ug/L	2.5		0.64	< 0.32	U	0.32	< 0.64	U	0.64	NA			NA			NA			NA			NA			NA					NA			NA			
Chloroform	ug/L	< 0.65	U	0.65	< 0.33	U	0.33	15		0.65	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	NA		
Chloromethane	ug/L	< 0.80	U	0.80	< 0.40	U	0.40	< 0.80	U	0.80	NA			NA			NA			NA			NA			NA					NA			NA			
cis-1,2-Dichloroethylene	ug/L	730		0.44	27		0.22	600		0.44	3.9			22			65			2.4			1.4			NA			< 0.22	U	0.22	0.94	J		NA		
cis-1,3-Dichloropropene	ug/L	< 0.44	U	0.44	< 0.22	U	0.22	< 0.44	U	0.44	NA			NA			NA			NA			NA			NA					NA			NA			
Cyclohexane	ug/L	< 0.64	U	0.64	< 0.32	U	0.32	< 0.64	U	0.64	NA			NA			NA			NA			NA			NA					NA			NA			
Dibromochloromethane	ug/L	< 0.56	U	0.56	< 0.28	U	0.28	< 0.56	U *	0.56	NA			NA			NA			NA			NA			NA					NA			NA			
Dichlorodifluoromethane	ug/L	< 0.62																																			

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		12/13/2019 MW18-13C N			12/13/2019 MW06-2C N			12/13/2019 MW18-8F N			3/17/2020 MW01-8B N			3/17/2020 MW06-2C N			3/17/2020 MW06-9C N			3/17/2020 MW18-10A N			3/17/2020 MW18-10B N			3/17/2020 MW18-10C N			3/17/2020 MW18-11A N			3/17/2020 MW18-11B N			3/17/2020 MW18-11C N			
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	
Metals																																						
Aluminum	ug/L	170		18.8	< 18.8	U		18.8	277		18.8	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	0.81	J	0.40	0.55	J		0.40	16.9		0.40	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	11.0		0.73	< 0.73	U		0.73	2.4		0.73	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	328		1.2	175			1.2	55.7		1.2	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	< 0.25	U	0.25	< 0.25	U		0.25	< 0.25	U	0.25	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	< 0.81	U	0.81	< 0.81	U		0.81	< 0.81	U	0.81	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	101000		98.8	88400			98.8	6430		98.8	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	13.0		2.3	6.0			2.3	< 2.3	U	2.3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	2.1	J	1.6	< 1.6	U		1.6	< 1.6	U	1.6	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	2.1	J	2.0	3.0	J		2.0	4.7		2.0	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	1210		51.1	5330			51.1	452		51.1	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	< 0.55	U	0.55	< 0.55	U		0.55	1.0	J	0.55	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	55300		73.7	59200			73.7	9350		73.7	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	79.3		2.9	41.6			2.9	13.5		2.9	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	< 0.12	U	0.12	< 0.12	U		0.12	< 0.12	U	0.12	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	12.2		2.4	4.7			2.4	2.9	J	2.4	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	3140		86.7	6030			86.7	90000		86.7	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	< 5.4	U	5.4	< 5.4	U		5.4	< 5.4	U	5.4	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	< 0.59	U	0.59	< 0.59	U		0.59	< 0.59	U	0.59	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	148000		128	113000			128	82400		128	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	< 0.16	U	0.16	< 0.16	U		0.16	< 0.16	U	0.16	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	< 1.1	U	1.1	< 1.1	U		1.1	< 1.1	U	1.1	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	14.3	J	11.1	< 11.1	U		11.1	21.3		11.1	NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

[illegible]

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

	Sample Date Location ID Sample Type	3/17/2020 MW18-12A N			3/17/2020 MW18-12B N			3/17/2020 MW18-12C N			3/17/2020 MW18-13B N			3/17/2020 MW18-13C N			3/17/2020 MW18-14A N			3/17/2020 MW18-14B N			3/17/2020 MW18-14C N			3/17/2020 MW18-8D N			3/17/2020 MW18-8E N			3/17/2020 MW18-8F N			3/17/2020 MW94-1B N			
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	
Semivolatile Organic Compounds																																						
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Atrazine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Carbazole	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chrysene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Diethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Dimethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Fluorene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Hexachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Hexachlorobutadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Hexachlorocyclopentadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Hexachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Indeno[1,2,3-c,d]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Isophorone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Naphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Nitrobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
n-Nitrosodi-n-propylamine	ug/L	NA			NA			NA			NA			NA			NA																					

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		3/17/2020 MW18-12A N			3/17/2020 MW18-12B N			3/17/2020 MW18-12C N			3/17/2020 MW18-13B N			3/17/2020 MW18-13C N			3/17/2020 MW18-14A N			3/17/2020 MW18-14B N			3/17/2020 MW18-14C N			3/17/2020 MW18-8D N			3/17/2020 MW18-8E N			3/17/2020 MW18-8F N			3/17/2020 MW94-1B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Pesticides																																					
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																																					
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroalkyl and Polyfluoroalkyl Substances																																					
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NtFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA; C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		3/17/2020 MW18-12A N			3/17/2020 MW18-12B N			3/17/2020 MW18-12C N			3/17/2020 MW18-13B N			3/17/2020 MW18-13C N			3/17/2020 MW18-14A N			3/17/2020 MW18-14B N			3/17/2020 MW18-14C N			3/17/2020 MW18-8D N			3/17/2020 MW18-8E N			3/17/2020 MW18-8F N			3/17/2020 MW94-1B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																																					
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

	Sample Date Location ID Sample Type	3/17/2020 MW94-2B N			3/17/2020 MW94-3 N			3/17/2020 MW94-5 N			3/17/2020 MW96-6 N			3/17/2020 MW96-7B N			3/17/2020 MW18-8D N			3/17/2020 MW96-6 N			3/17/2020 MW18-14A N			3/17/2020 MW18-10C N			3/17/2020 MW18-11C N			3/18/2020 MW06-2C N			3/18/2020 MW94-2B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL			
Semivolatile Organic Compounds																																					
1,1-Biphenyl	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
1,2,4,5-Tetrachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,3,4,6-Tetrachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Chlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
2-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
3-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Chloroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Methylphenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Nitroaniline	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
4-Nitrophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acenaphthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acenaphthylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Acetophenone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Atrazine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzaldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Caprolactam	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Carbazole	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Chrysene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dibenzofuran	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Diethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Dimethyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Fluoranthene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Fluorene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Hexachlorobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Hexachlorobutadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Hexachlorocyclopentadiene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Hexachloroethane	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Indeno[1,2,3-c,d]pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Isophorone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Naphthalene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Nitrobenzene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
n-Nitrosodi-n-propylamine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
n-Nitrosodiphenylamine	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Pentachlorophenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Phenanthrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					
Phenol	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA					

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
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Sample Date Location ID Sample Type		3/17/2020 MW94-2B N			3/17/2020 MW94-3 N			3/17/2020 MW94-5 N			3/17/2020 MW96-6 N			3/17/2020 MW96-7B N			3/17/2020 MW18-8D N			3/17/2020 MW96-6 N			3/17/2020 MW18-14A N			3/17/2020 MW18-10C N			3/17/2020 MW18-11C N			3/18/2020 MW06-2C N			3/18/2020 MW94-2B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Pesticides																																					
4,4-DDD	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDE	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
4,4-DDT	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
alpha-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
beta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chlordane, technical	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
delta-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dieldrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan I	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan II	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endosulfan sulfate	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin aldehyde	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Endrin ketone	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
gamma-BHC	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Heptachlor epoxide	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methoxychlor	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Pyrene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Toxaphene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Polychlorinated Biphenyls																																					
Aroclor-1016	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1221	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1232	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1242	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1248	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1254	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1260	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1262	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Aroclor-1268	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Total PCBs	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroalkyl and Polyfluoroalkyl Substances																																					
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NtFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA; C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		3/17/2020 MW94-2B N			3/17/2020 MW94-3 N			3/17/2020 MW94-5 N			3/17/2020 MW96-6 N			3/17/2020 MW96-7B N			3/17/2020 MW18-8D N			3/17/2020 MW96-6 N			3/17/2020 MW18-14A N			3/17/2020 MW18-10C N			3/17/2020 MW18-11C N			3/18/2020 MW06-2C N			3/18/2020 MW94-2B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																																					
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
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J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		3/18/2020 MW06-9C N			3/18/2020 MW94-3 N			3/18/2020 MW18-14C N			3/18/2020 MW18-10A N			3/18/2020 MW18-14B N			3/18/2020 MW18-8F N			3/18/2020 MW18-11A N			3/18/2020 MW94-5 N			3/19/2020 MW18-12B N			3/19/2020 MW18-12C N			3/19/2020 MW18-13B N			3/19/2020 MW18-12A N					
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL			
Volatile Organic Compounds																																								
1,1,1-Trichloroethane	ug/L	< 0.24	U	0.24	0.29	J	0.24	< 48	U	48	< 0.24	U	0.24	< 1.2	U	1.2	NA			< 0.24	U	0.24	< 0.24	U	0.24	52			4.8	0.97	J	0.48	13			0.48	< 0.24	U	0.24	
1,1,2,2-Tetrachloroethane	ug/L	< 0.37	U	0.37	< 0.37	U	0.37	< 73	U	73	< 0.37	U	0.37	< 1.8	U	1.8	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 7.3	U		7.3	< 0.73	U	0.73	< 0.73	U	0.73	< 0.37	U	0.37		
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	< 0.31	U	0.31	< 0.31	U	0.31	< 62	U	62	< 0.31	U	0.31	< 1.6	U	1.6	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 6.2	U		6.2	< 0.62	U	0.62	< 0.62	U	0.62	< 0.31	U	0.31		
1,1,2-Trichloroethane	ug/L	< 0.43	U	0.43	< 0.43	U	0.43	< 87	U	87	< 0.43	U	0.43	< 2.2	U	2.2	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 8.7	U		8.7	3.8		0.87	< 0.87	U	0.87	< 0.43	U	0.43		
1,1-Dichloroethane	ug/L	< 0.26	U	0.26	< 0.26	U	0.26	< 53	U	53	< 0.26	U	0.26	< 1.3	U	1.3	NA			< 0.26	U	0.26	< 0.26	U	0.26	32			5.3	3.1		0.53	47			0.53	< 0.26	U	0.26	
1,1-Dichloroethene	ug/L	< 0.26	U	0.26	< 0.26	U	0.26	230			53	< 0.26	U	0.26	< 1.3	U	1.3	NA			< 0.26	U	0.26	< 0.26	U	0.26	34			5.3	1.3	J	0.53	27			0.53	< 0.26	U	0.26
1,1-Dichloroethylene	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	ug/L	< 0.36	U	0.36	< 0.36	U	0.36	< 71	U	71	< 0.36	U	0.36	< 1.8	U	1.8	< 0.36	U	0.36	< 0.36	U	0.36	< 0.36	U	0.36	< 7.1	U F2		7.1	< 0.71	U	0.71	< 0.71	U	0.71	< 0.36	U	0.36		
1,2,4-Trichlorobenzene	ug/L	< 0.37	U	0.37	< 0.37	U	0.37	< 73	U	73	< 0.37	U	0.37	< 1.8	U	1.8	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 7.3	U		7.3	< 0.73	U	0.73	< 0.73	U	0.73	< 0.37	U	0.37		
1,2-Dibromo-3-chloropropane	ug/L	< 0.38	U	0.38	< 0.38	U	0.38	< 75	U	75	< 0.38	U	0.38	< 1.9	U	1.9	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 7.5	U		7.5	< 0.75	U	0.75	< 0.75	U	0.75	< 0.38	U	0.38		
1,2-Dibromoethane (EDB)	ug/L	< 0.50	U	0.50	< 0.50	U	0.50	< 100	U	100	< 0.50	U	0.50	< 2.5	U	2.5	< 0.50	U	0.50	< 0.50	U	0.50	< 0.50	U	0.50	< 10	U		10	< 1.0	U	1.0	< 1.0	U	1.0	< 0.50	U	0.50		
1,2-Dichlorobenzene	ug/L	< 0.43	U	0.43	< 0.43	U	0.43	< 86	U	86	< 0.43	U	0.43	< 2.2	U	2.2	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 8.6	U		8.6	< 0.86	U	0.86	< 0.86	U	0.86	< 0.43	U	0.43		
1,2-Dichloroethane	ug/L	< 0.43	U	0.43	< 0.43	U	0.43	< 86	U	86	< 0.43	U	0.43	< 2.2	U	2.2	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 8.6	U		8.6	< 0.86	U	0.86	< 0.86	U	0.86	< 0.43	U	0.43		
1,2-Dichloropropane	ug/L	< 0.35	U	0.35	< 0.35	U	0.35	< 71	U	71	< 0.35	U	0.35	< 1.8	U	1.8	< 0.35	U	0.35	< 0.35	U	0.35	< 0.35	U	0.35	< 7.1	U		7.1	< 0.71	U	0.71	< 0.71	U	0.71	< 0.35	U	0.35		
1,3-Dichlorobenzene	ug/L	< 0.34	U	0.34	< 0.34	U	0.34	< 68	U	68	< 0.34	U	0.34	< 1.7	U	1.7	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 6.8	U		6.8	< 0.68	U	0.68	< 0.68	U	0.68	< 0.34	U	0.34		
1,4-Dichlorobenzene	ug/L	< 0.33	U	0.33	< 0.33	U	0.33	< 67	U	67	< 0.33	U	0.33	< 1.7	U	1.7	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 6.7	U		6.7	< 0.67	U	0.67	< 0.67	U	0.67	< 0.33	U	0.33		
1,4-Dioxane	ug/L	< 28	U	28	< 28	U	28	< 5600	U	5600	< 28	U	28	< 140	U	140	< 28	U	28	< 28	U	28	< 28	U	28	< 560	U		560	< 56	U	56	< 56	U	56	< 28	U	28		
2-Butanone	ug/L	< 1.9	U	1.9	< 1.9	U	1.9	< 370	U	370	< 1.9	U	1.9	< 9.3	U	9.3	< 1.9	U	1.9	< 1.9	U	1.9	< 1.9	U	1.9	< 3.7	U		3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 1.9	U	1.9		
2-Hexanone	ug/L	< 1.1	U	1.1	< 1.1	U	1.1	< 230	U	230	< 1.1	U	1.1	< 5.7	U	5.7	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 23	U		23	< 2.3	U	2.3	< 2.3	U	2.3	< 1.1	U	1.1		
4-Methyl-2-pentanone	ug/L	< 1.3	U	1.3	< 1.3	U	1.3	< 260	U	260	< 1.3	U	1.3	< 6.5	U	6.5	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 26	U		26	< 2.6	U	2.6	< 2.6	U	2.6	< 1.3	U	1.3		
Acetone	ug/L	< 4.4	U	4.4	< 4.4	U	4.4	< 880	U	880	< 4.4	U	4.4	75		22	NA			< 4.4	U	4.4	< 4.4	U	4.4	< 88	U		88	< 8.8	U	8.8	< 8.8	U	8.8	< 4.4	U	4.4		
Benzene	ug/L	< 0.20	U	0.20	< 0.20	U	0.20	< 41	U	41	< 0.20	U	0.20	< 1.0	U	1.0	NA			< 0.20	U	0.20	< 0.20	U	0.20	< 4.1	U		4.1	< 0.41	U	0.41	< 0.41	U	0.41	< 0.20	U	0.20		
Bromochloromethane	ug/L	< 0.41	U	0.41	< 0.41	U	0.41	< 82	U	82	< 0.41	U	0.41	< 2.1	U	2.1	< 0.41	U	0.41	< 0.41	U	0.41	< 0.41	U	0.41	< 8.2	U		8.2	< 0.82	U	0.82	< 0.82	U	0.82	< 0.41	U	0.41		
Bromodichloromethane	ug/L	< 0.34	U	0.34	< 0.34	U	0.34	< 69	U	69	< 0.34	U	0.34	< 1.7	U	1.7	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 6.9	U		6.9	< 0.69	U	0.69	< 0.69	U	0.69	< 0.34	U	0.34		
Bromoform	ug/L	< 0.54	U	0.54	< 0.54	U	0.54	< 110	U	110	< 0.54	U	0.54	< 2.7	U	2.7	< 0.54	U	0.54	< 0.54	U	0.54	< 0.54	U	0.54	< 11	U		11	< 1.1	U	1.1	< 1.1	U	1.1	< 0.54	U	0.54		
Bromomethane	ug/L	< 0.55	U	0.55	< 0.55	U	0.55	< 110	U	110	< 0.55	U	0.55	< 2.8	U	2.8	< 0.55	U	0.55	< 0.55	U	0.55	< 0.55	U	0.55	< 11	U		11	< 1.1	U	1.1	< 1.1	U	1.1	< 0.55	U	0.55		
Carbon disulfide	ug/L	< 0.82	U	0.82	< 0.82	U	0.82	< 160	U	160	< 0.82	U	0.82	< 4.1	U	4.1	7.6																							

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Sample Date Location ID Sample Type		3/18/2020 MW06-9C N			3/18/2020 MW94-3 N			3/18/2020 MW18-14C N			3/18/2020 MW18-10A N			3/18/2020 MW18-14B N			3/18/2020 MW18-8F N			3/18/2020 MW18-11A N			3/18/2020 MW94-5 N			3/19/2020 MW18-12B N			3/19/2020 MW18-12C N			3/19/2020 MW18-13B N			3/19/2020 MW18-12A N			
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	
Metals																																						
Aluminum	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Antimony	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Arsenic	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Barium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Beryllium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Cadmium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Calcium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chromium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Cobalt	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Copper	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Iron	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Lead	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Magnesium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Manganese	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Mercury	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Nickel	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Potassium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Selenium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Silver	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Sodium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Thallium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Vanadium	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			
Zinc	ug/L	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			

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Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

	Sample Date Location ID Sample Type	3/19/2020 MW18-13C N			3/19/2020 MW18-10B N			3/20/2020 MW96-7B N			3/20/2020 MW18-11B N			3/20/2020 MW18-8E N			3/20/2020 MW94-1B N			3/20/2020 SG-1 N			3/20/2020 MW01-8B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Volatile Organic Compounds																									
1,1,1-Trichloroethane	ug/L	12		0.48	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24	< 1.2	U	1.2	< 0.24	U	0.24	< 0.24	U	0.24	< 0.24	U	0.24
1,1,2,2-Tetrachloroethane	ug/L	< 0.73	U	0.73	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 1.8	U	1.8	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	< 0.62	U	0.62	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 1.6	U	1.6	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31
1,1,2-Trichloroethane	ug/L	< 0.87	U	0.87	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 2.2	U	2.2	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43
1,1-Dichloroethane	ug/L	44		0.53	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 1.3	U	1.3	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26
1,1-Dichloroethene	ug/L	20		0.53	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 1.3	U	1.3	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26
1,1-Dichloroethylene	ug/L	NA		NA			NA			NA			NA			NA			NA			NA			NA
1,2,3-Trichlorobenzene	ug/L	< 0.71	U	0.71	< 0.36	U F2	0.36	< 0.36	U	0.36	< 0.36	U	0.36	< 1.8	U	1.8	< 0.36	U	0.36	< 0.36	U	0.36	< 0.36	U	0.36
1,2,4-Trichlorobenzene	ug/L	< 0.73	U	0.73	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37	< 1.8	U	1.8	< 0.37	U	0.37	< 0.37	U	0.37	< 0.37	U	0.37
1,2-Dibromo-3-chloropropane	ug/L	< 0.75	U	0.75	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 1.9	U	1.9	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38
1,2-Dibromoethane (EDB)	ug/L	< 1.0	U	1.0	< 0.50	U	0.50	< 0.50	U	0.50	< 0.50	U	0.50	< 2.5	U	2.5	< 0.50	U	0.50	< 0.50	U	0.50	< 0.50	U	0.50
1,2-Dichlorobenzene	ug/L	< 0.86	U	0.86	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 2.2	U	2.2	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43
1,2-Dichloroethane	ug/L	< 0.86	U	0.86	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43	< 2.2	U	2.2	< 0.43	U	0.43	< 0.43	U	0.43	< 0.43	U	0.43
1,2-Dichloropropane	ug/L	< 0.71	U	0.71	< 0.35	U	0.35	< 0.35	U	0.35	< 0.35	U	0.35	< 1.8	U	1.8	< 0.35	U	0.35	< 0.35	U	0.35	< 0.35	U	0.35
1,3-Dichlorobenzene	ug/L	< 0.68	U	0.68	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 1.7	U	1.7	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34
1,4-Dichlorobenzene	ug/L	< 0.67	U	0.67	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 1.7	U	1.7	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33
1,4-Dioxane	ug/L	< 56	U	56	< 28	U	28	< 28	U	28	< 28	U	28	< 140	U	140	< 28	U	28	< 28	U	28	< 28	U	28
2-Butanone	ug/L	< 3.7	U	3.7	< 1.9	U	1.9	< 1.9	U	1.9	< 1.9	U	1.9	< 9.3	U	9.3	< 1.9	U	1.9	< 1.9	U	1.9	< 1.9	U	1.9
2-Hexanone	ug/L	< 2.3	U	2.3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 5.7	U	5.7	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
4-Methyl-2-pentanone	ug/L	< 2.6	U	2.6	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 6.5	U	6.5	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3
Acetone	ug/L	< 8.8	U	8.8	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4	< 22	U	22	< 4.4	U	4.4	< 4.4	U	4.4	< 4.4	U	4.4
Benzene	ug/L	< 0.41	U	0.41	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 1.0	U	1.0	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20
Bromochloromethane	ug/L	< 0.82	U	0.82	< 0.41	U	0.41	< 0.41	U	0.41	< 0.41	U	0.41	< 2.1	U	2.1	< 0.41	U	0.41	< 0.41	U	0.41	< 0.41	U	0.41
Bromodichloromethane	ug/L	< 0.69	U	0.69	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 1.7	U	1.7	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34
Bromoform	ug/L	< 1.1	U	1.1	< 0.54	U	0.54	< 0.54	U	0.54	< 0.54	U	0.54	< 2.7	U	2.7	< 0.54	U	0.54	< 0.54	U	0.54	< 0.54	U	0.54
Bromomethane	ug/L	< 1.1	U	1.1	< 0.55	U	0.55	< 0.55	U	0.55	< 0.55	U	0.55	< 2.8	U	2.8	< 0.55	U	0.55	< 0.55	U	0.55	< 0.55	U	0.55
Carbon disulfide	ug/L	< 1.6	U	1.6	< 0.82	U	0.82	< 0.82	U	0.82	< 0.82	U	0.82	< 4.1	U	4.1	< 0.82	U	0.82	< 0.82	U	0.82	< 0.82	U	0.82
Carbon tetrachloride	ug/L	< 0.42	U	0.42	< 0.21	U	0.21	< 0.21	U	0.21	< 0.21	U	0.21	< 1.0	U	1.0	< 0.21	U	0.21	< 0.21	U	0.21	< 0.21	U	0.21
Chlorobenzene	ug/L	< 0.75	U	0.75	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38	< 1.9	U	1.9	< 0.38	U	0.38	< 0.38	U	0.38	< 0.38	U	0.38
Chloroethane	ug/L	6.8		0.64	< 0.32	U	0.32	< 0.32	U	0.32	< 0.32	U	0.32	< 1.6	U	1.6	< 0.32	U	0.32	< 0.32	U	0.32	< 0.32	U	0.32
Chloroform	ug/L	< 0.65	U	0.65	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33	< 1.6	U	1.6	< 0.33	U	0.33	< 0.33	U	0.33	< 0.33	U	0.33
Chloromethane	ug/L	< 0.80	U	0.80	< 0.40	U	0.40	< 0.40	U	0.40	< 0.40	U	0.40	< 2.0	U	2.0	< 0.40	U	0.40	< 0.40	U	0.40	< 0.40	U	0.40
cis-1,2-Dichloroethylene	ug/L	730		0.44	1.4		0.22	0.68	J	0.22	0.94	J	0.22	310		1.1	1.9		0.22	< 0.22	U	0.22	3.9		0.22
cis-1,3-Dichloropropene	ug/L	< 0.44	U	0.44	< 0.22	U	0.22	< 0.22	U	0.22	< 0.22	U	0.22	< 1.1	U	1.1	< 0.22	U	0.22	< 0.22	U	0.22	< 0.22	U	0.22
Cyclohexane	ug/L	< 0.64	U	0.64	< 0.32	U	0.32	< 0.32	U	0.32	< 0.32	U	0.32	< 1.6	U	1.6	< 0.32	U	0.32	< 0.32	U	0.32	< 0.32	U	0.32
Dibromochloromethane	ug/L	< 0.56	U	0.56	< 0.28	U	0.28	< 0.28	U	0.28	< 0.28	U	0.28	< 1.4	U	1.4	< 0.28	U	0.28	< 0.28	U	0.28	< 0.28	U	0.28
Dichlorodifluoromethane	ug/L	< 0.62	U	0.62	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31	< 1.6	U	1.6	< 0.31	U	0.31	< 0.31	U	0.31	< 0.31	U	0.31
Ethylbenzene	ug/L	< 0.60	U	0.60	< 0.30	U	0.30	< 0.30	U	0.30	< 0.30	U	0.30	< 1.5	U	1.5	< 0.30	U	0.30	< 0.30	U	0.30	< 0.30	U	0.30
Isopropylbenzene	ug/L	< 0.67	U	0.67	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34	< 1.7	U	1.7	< 0.34	U	0.34	< 0.34	U	0.34	< 0.34	U	0.34
m/p-Xylene	ug/L	< 0.59	U	0.59	< 0.30	U	0.30	< 0.30	U	0.30	< 0.30	U	0.30	< 1.5	U	1.5	< 0.30	U	0.30	< 0.30	U	0.30	< 0.30	U	0.30
Methyl acetate	ug/L	< 1.6	U	1.6	< 0.79	U F1 *	0.79	< 0.79	U *	0.79	< 0.79	U	0.79	< 3.9	U	3.9	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79
Methyl cyclohexane	ug/L	0.72	J	0.52	< 0.26	U	0.26	< 0.26	U	0.26	< 0.26	U	0.26	< 1.3	U	1.3	< 0.26	U	0.26	< 0.26	U	0.26</			

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Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Semivolatile Organic Compounds																									
1,1-Biphenyl	ug/L	NA			NA			NA			NA			< 24	U	24	NA			< 1.2	U	1.2	NA		
1,2,4,5- Tetrachlorobenzene	ug/L	NA			NA			NA			NA			< 25	U	25	NA			< 1.2	U	1.2	NA		
2,3,4,6- Tetrachlorophenol	ug/L	NA			NA			NA			NA			< 15	U	15	NA			< 0.75	U	0.75	NA		
2,4,5-Trichlorophenol	ug/L	NA			NA			NA			NA			< 18	U	18	NA			< 0.88	U	0.88	NA		
2,4,6-Trichlorophenol	ug/L	NA			NA			NA			NA			< 17	U	17	NA			< 0.86	U	0.86	NA		
2,4-Dichlorophenol	ug/L	NA			NA			NA			NA			< 21	U	21	NA			< 1.1	U	1.1	NA		
2,4-Dimethylphenol	ug/L	NA			NA			NA			NA			< 12	U	12	NA			< 0.62	U	0.62	NA		
2,4-Dinitrophenol	ug/L	NA			NA			NA			NA			< 290	U	290	NA			< 14	U	14	NA		
2,4-Dinitrotoluene	ug/L	NA			NA			NA			NA			< 20	U	20	NA			< 1.0	U	1.0	NA		
2,6-Dinitrotoluene	ug/L	NA			NA			NA			NA			< 17	U	17	NA			< 0.83	U	0.83	NA		
2-Chloronaphthalene	ug/L	NA			NA			NA			NA			< 24	U	24	NA			< 1.2	U	1.2	NA		
2-Chlorophenol	ug/L	NA			NA			NA			NA			< 7.5	U	7.5	NA			< 0.38	U	0.38	NA		
2-Methylnaphthalene	ug/L	NA			NA			NA			NA			< 22	U	22	NA			< 1.1	U	1.1	NA		
2-Methylphenol	ug/L	NA			NA			NA			NA			< 13	U	13	NA			< 0.67	U	0.67	NA		
2-Nitroaniline	ug/L	NA			NA			NA			NA			< 9.5	U	9.5	NA			< 0.47	U	0.47	NA		
2-Nitrophenol	ug/L	NA			NA			NA			NA			< 15	U	15	NA			< 0.75	U	0.75	NA		
3,3-Dichlorobenzidine	ug/L	NA			NA			NA			NA			< 29	U	29	NA			< 1.4	U	1.4	NA		
3-Nitroaniline	ug/L	NA			NA			NA			NA			< 39	U	39	NA			< 1.9	U	1.9	NA		
4,6-Dinitro-2-methylphenol	ug/L	NA			NA			NA			NA			< 270	U	270	NA			< 13	U	13	NA		
4-Bromophenyl phenyl ether	ug/L	NA			NA			NA			NA			< 15	U	15	NA			< 0.75	U	0.75	NA		
4-Chloro-3-methylphenol	ug/L	NA			NA			NA			NA			< 12	U	12	NA			< 0.58	U	0.58	NA		
4-Chloroaniline	ug/L	NA			NA			NA			NA			< 38	U	38	NA			< 1.9	U	1.9	NA		
4-Chlorophenyl phenyl ether	ug/L	NA			NA			NA			NA			< 26	U	26	NA			< 1.3	U	1.3	NA		
4-Methylphenol	ug/L	NA			NA			NA			NA			< 13	U	13	NA			< 0.65	U	0.65	NA		
4-Nitroaniline	ug/L	NA			NA			NA			NA			< 24	U	24	NA			< 1.2	U	1.2	NA		
4-Nitrophenol	ug/L	NA			NA			NA			NA			< 80	U	80	NA			< 4.0	U	4.0	NA		
Acenaphthene	ug/L	NA			NA			NA			NA			< 22	U	22	NA			< 1.1	U	1.1	NA		
Acenaphthylene	ug/L	NA			NA			NA			NA			< 16	U	16	NA			< 0.82	U	0.82	NA		
Acetophenone	ug/L	NA			NA			NA			NA			< 47	U	47	NA			< 2.3	U	2.3	NA		
Anthracene	ug/L	NA			NA			NA			NA			< 13	U	13	NA			< 0.63	U	0.63	NA		
Atrazine	ug/L	NA			NA			NA			NA			< 27	U	27	NA			< 1.3	U	1.3	NA		
Benzaldehyde	ug/L	NA			NA			NA			NA			< 42	U	42	NA			< 2.1	U	2.1	NA		
Benzo[a]anthracene	ug/L	NA			NA			NA			NA			< 12	U	12	NA			< 0.59	U	0.59	NA		
Benzo[a]pyrene	ug/L	NA			NA			NA			NA			< 8.1	U	8.1	NA			< 0.41	U	0.41	NA		
Benzo[b]fluoranthene	ug/L	NA			NA			NA			NA			< 14	U	14	NA			< 0.68	U	0.68	NA		
Benzo[g,h,i]perylene	ug/L	NA			NA			NA			NA			< 29	U	29	NA			< 1.4	U	1.4	NA		
Benzo[k]fluoranthene	ug/L	NA			NA			NA			NA			< 13	U	13	NA			< 0.67	U	0.67	NA		
Bis(2-chloroethoxy) methane	ug/L	NA			NA			NA			NA			< 12	U	12	NA			< 0.59	U	0.59	NA		
Bis(2-chloroethyl) ether	ug/L	NA			NA			NA			NA			< 13	U	13	NA			< 0.63	U	0.63	NA		
Bis(2-ethylhexyl) phthalate	ug/L	NA			NA			NA			NA			< 34	U	34	NA			< 1.7	U	1.7	NA		
Butyl benzyl phthalate	ug/L	NA			NA			NA			NA			< 17	U	17	NA			< 0.85	U	0.85	NA		
Caprolactam	ug/L	NA			NA			NA			NA			1500		14	NA			< 0.68	U	0.68	NA		
Carbazole	ug/L	NA			NA			NA			NA			< 14	U	14	NA			< 0.68	U	0.68	NA		
Chrysene	ug/L	NA			NA			NA			NA			< 18	U	18	NA			< 0.91	U	0.91	NA		
Dibenz[a,h]anthracene	ug/L	NA			NA			NA			NA			< 14	U	14	NA			< 0.72	U	0.72	NA		
Dibenzofuran	ug/L	NA			NA			NA			NA			< 22	U	22	NA			< 1.1	U	1.1	NA		
Dichloroisopropyl ether	ug/L	NA			NA			NA			NA			< 13	U	13	NA			< 0.63	U	0.63	NA		
Diethyl phthalate	ug/L	NA			NA			NA			NA			< 20	U	20	NA			< 0.98	U	0.98	NA		
Dimethyl phthalate	ug/L	NA			NA			NA			NA			< 15	U	15	NA			< 0.77	U	0.77	NA		
Di-n-butyl phthalate	ug/L	NA			NA			NA			NA			< 17	U	17	NA			< 0.84	U	0.84	NA		
Di-n-octyl phthalate	ug/L	NA			NA			NA			NA			< 95	U	95	NA			< 4.8	U	4.8	NA		
Fluoranthene	ug/L	NA			NA			NA			NA			< 17	U	17	NA			< 0.84	U	0.84	NA		
Fluorene	ug/L	NA			NA			NA			NA			< 18	U	18	NA			< 0.91	U	0.91	NA		
Hexachlorobenzene	ug/L	NA			NA			NA			NA			< 7.9	U	7.9	NA			< 0.40	U	0.40	NA		
Hexachlorobutadiene	ug/L	NA			NA			NA			NA			< 16	U	16	NA			< 0.78	U	0.78	NA		
Hexachlorocyclopentadiene	ug/L	NA			NA			NA			NA			< 73	U	73	NA			< 3.6	U	3.6	NA		
Hexachloroethane	ug/L	NA			NA			NA			NA			< 16	U	16	NA			< 0.80	U	0.80	NA		
Indeno[1,2,3-c,d]pyrene	ug/L	NA			NA			NA			NA			< 19	U	19	NA			< 0.94	U	0.94	NA		
Isophorone	ug/L	NA			NA			NA			NA			< 16	U	16	NA			< 0.80	U	0.80	NA		
Naphthalene	ug/L	NA			NA			NA			NA			< 23	U	23	NA			< 1.1	U	1.1	NA		
Nitrobenzene	ug/L	NA			NA			NA			NA			< 11	U	11	NA			< 0.57	U	0.57	NA		
n-Nitrosodi-n-propylamine	ug/L	NA			NA			NA			NA			< 8.6	U	8.6	NA			< 0.43	U	0.43	NA		
n-Nitrosodiphenylamine	ug/L	NA			NA			NA			NA			< 18	U	18	NA			< 0.89	U	0.89	NA		
Pentachlorophenol	ug/L	NA			NA			NA			NA			< 29	U	29	NA			< 1.4	U	1.4	NA		
Phenanthrene	ug/L	NA			NA			NA			NA			< 12	U	12	NA			< 0.58	U	0.58	NA		
Phenol	ug/L	NA			NA			NA			NA			< 5.8	U	5.8	NA			< 0.29	U	0.29	NA		

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Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Pesticides																									
4,4-DDD	ug/L	NA			NA			NA			NA			< 0.0060	U	0.0060	NA			< 0.0060	U	0.0060	NA		
4,4-DDE	ug/L	NA			NA			NA			NA			< 0.0020	U	0.0020	NA			< 0.0020	U	0.0020	NA		
4,4-DDT	ug/L	NA			NA			NA			NA			< 0.0040	U	0.0040	NA			< 0.0040	U	0.0040	NA		
Aldrin	ug/L	NA			NA			NA			NA			< 0.0030	U	0.0030	NA			< 0.0030	U * *1	0.0030	NA		
alpha-BHC	ug/L	NA			NA			NA			NA			< 0.0070	U	0.0070	NA			< 0.0070	U	0.0070	NA		
beta-BHC	ug/L	NA			NA			NA			NA			< 0.0040	U	0.0040	NA			< 0.0040	U	0.0040	NA		
Chlordane, technical	ug/L	NA			NA			NA			NA			< 0.055	U	0.055	NA			< 0.055	U	0.055	NA		
delta-BHC	ug/L	NA			NA			NA			NA			< 0.0050	U	0.0050	NA			< 0.0050	U	0.0050	NA		
Dieldrin	ug/L	NA			NA			NA			NA			< 0.0030	U	0.0030	NA			< 0.0030	U	0.0030	NA		
Endosulfan I	ug/L	NA			NA			NA			NA			< 0.0020	U	0.0020	NA			< 0.0020	U	0.0020	NA		
Endosulfan II	ug/L	NA			NA			NA			NA			< 0.0040	U	0.0040	NA			< 0.0040	U	0.0040	NA		
Endosulfan sulfate	ug/L	NA			NA			NA			NA			< 0.0060	U	0.0060	NA			< 0.0060	U	0.0060	NA		
Endrin	ug/L	NA			NA			NA			NA			< 0.0040	U	0.0040	NA			< 0.0040	U	0.0040	NA		
Endrin aldehyde	ug/L	NA			NA			NA			NA			< 0.0080	U	0.0080	NA			< 0.0080	U	0.0080	NA		
Endrin ketone	ug/L	NA			NA			NA			NA			< 0.0080	U	0.0080	NA			< 0.0080	U	0.0080	NA		
gamma-BHC	ug/L	NA			NA			NA			NA			< 0.012	U	0.012	NA			< 0.012	U	0.012	NA		
Heptachlor	ug/L	NA			NA			NA			NA			< 0.0030	U	0.0030	NA			< 0.0030	U	0.0030	NA		
Heptachlor epoxide	ug/L	NA			NA			NA			NA			< 0.0050	U	0.0050	NA			< 0.0050	U	0.0050	NA		
Methoxychlor	ug/L	NA			NA			NA			NA			< 0.0040	U	0.0040	NA			< 0.0040	U	0.0040	NA		
Pyrene	ug/L	NA			NA			NA			NA			< 33	U	33	NA			< 1.6	U	1.6	NA		
Toxaphene	ug/L	NA			NA			NA			NA			< 0.11	U	0.11	NA			< 0.11	U	0.11	NA		
Polychlorinated Biphenyls																									
Aroclor-1016	ug/L	NA			NA			NA			NA			< 0.12	U	0.12	NA			< 0.12	U	0.12	NA		
Aroclor-1221	ug/L	NA			NA			NA			NA			< 0.12	U	0.12	NA			< 0.12	U	0.12	NA		
Aroclor-1232	ug/L	NA			NA			NA			NA			< 0.12	U	0.12	NA			< 0.12	U	0.12	NA		
Aroclor-1242	ug/L	NA			NA			NA			NA			< 0.12	U	0.12	NA			< 0.12	U	0.12	NA		
Aroclor-1248	ug/L	NA			NA			NA			NA			< 0.12	U	0.12	NA			< 0.12	U	0.12	NA		
Aroclor-1254	ug/L	NA			NA			NA			NA			< 0.11	U	0.11	NA			< 0.11	U	0.11	NA		
Aroclor-1260	ug/L	NA			NA			NA			NA			< 0.11	U	0.11	NA			< 0.11	U	0.11	NA		
Aroclor-1262	ug/L	NA			NA			NA			NA			< 0.11	U	0.11	NA			< 0.11	U	0.11	NA		
Aroclor-1268	ug/L	NA			NA			NA			NA			< 0.11	U	0.11	NA			< 0.11	U	0.11	NA		
Total PCBs	ug/L	NA			NA			NA			NA			< 0.12	U	0.12	NA			< 0.12	U	0.12	NA		
Perfluoroalkyl and Polyfluoroalkyl Substances																									
Fluorotelomer sulfonic acid, 6:2 (6:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Fluorotelomer sulfonic acid, 8:2 (8:2 FTS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
N-Ethy perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutane sulfonic acid (PFBS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorobutanoic acid (PFBA; C4)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecane sulfonic acid (PFDS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorodecanoic acid (PFDA; C10)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorododecanoic acid (PFDoDA; C12)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptane sulfonic Acid (PFHpS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroheptanoic acid (PFHpA; C7)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexane sulfonic acid (PFHxS)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorohexanoic acid (PFHxA; C6)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorononanoic acid (PFNA;C9)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonamide (PFOSA)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctane sulfonic acid (PFOS; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorooctanoic acid (PFOA; C8)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoropentanoic acid (PFPeA; C5)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotetradecanoic acid (PHTeDA; C14)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluorotridecanoic acid (PFTrDA; C13)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		
Perfluoroundecanoic acid (PFUnDA; C11)	ug/L	NA			NA			NA			NA			NA			NA			NA			NA		

Table 3
Historical Groundwater Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type		3/19/2020 MW18-13C N			3/19/2020 MW18-10B N			3/20/2020 MW96-7B N			3/20/2020 MW18-11B N			3/20/2020 MW18-8E N			3/20/2020 MW94-1B N			3/20/2020 SG-1 N			3/20/2020 MW01-8B N		
Analyte	Unit	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL	Result	Lab Qual.	RL
Metals																									
Aluminum	ug/L	NA			NA			NA			NA			153		18.8	NA			64.2		18.8	NA		
Antimony	ug/L	NA			NA			NA			NA			7.8	F1	0.40	NA			< 0.40	U	0.40	NA		
Arsenic	ug/L	NA			NA			NA			NA			14.2		0.73	NA			< 0.73	U	0.73	NA		
Barium	ug/L	NA			NA			NA			NA			44.9		1.2	NA			20.3		1.2	NA		
Beryllium	ug/L	NA			NA			NA			NA			< 0.25	U	0.25	NA			< 0.25	U	0.25	NA		
Cadmium	ug/L	NA			NA			NA			NA			< 0.81	U	0.81	NA			< 0.81	U	0.81	NA		
Calcium	ug/L	NA			NA			NA			NA			8310		98.8	NA			50500		98.8	NA		
Chromium	ug/L	NA			NA			NA			NA			< 2.3	U	2.3	NA			< 2.3	U	2.3	NA		
Cobalt	ug/L	NA			NA			NA			NA			< 1.6	U	1.6	NA			< 1.6	U	1.6	NA		
Copper	ug/L	NA			NA			NA			NA			9.1		2.0	NA			2.7	J	2.0	NA		
Iron	ug/L	NA			NA			NA			NA			509	F1	51.1	NA			140		51.1	NA		
Lead	ug/L	NA			NA			NA			NA			51.7	F1	0.55	NA			0.66	J	0.55	NA		
Magnesium	ug/L	NA			NA			NA			NA			15200		73.7	NA			11100		73.7	NA		
Manganese	ug/L	NA			NA			NA			NA			35.7		2.9	NA			66.7		2.9	NA		
Mercury	ug/L	NA			NA			NA			NA			< 0.091	U	0.091	NA			< 0.091	U	0.091	NA		
Nickel	ug/L	NA			NA			NA			NA			3.8	J	2.4	NA			< 2.4	U	2.4	NA		
Potassium	ug/L	NA			NA			NA			NA			80500		86.7	NA			1570		86.7	NA		
Selenium	ug/L	NA			NA			NA			NA			< 5.4	U	5.4	NA			< 5.4	U	5.4	NA		
Silver	ug/L	NA			NA			NA			NA			< 0.59	U	0.59	NA			< 0.59	U	0.59	NA		
Sodium	ug/L	NA			NA			NA			NA			136000		128	NA			94600		128	NA		
Thallium	ug/L	NA			NA			NA			NA			< 0.16	U	0.16	NA			< 0.16	U	0.16	NA		
Vanadium	ug/L	NA			NA			NA			NA			< 1.1	U	1.1	NA			< 1.1	U	1.1	NA		
Zinc	ug/L	NA			NA			NA			NA			37.8		11.1	NA			< 11.1	U	11.1	NA		

Notes and Abbreviations:
N = normal sample
NA = not analyzed
ug/L = microgram per liter
ng/L = nanogram per liter
RL = reporting limit
Lab Qual = laboratory qualifier
J = estimated result
U = non-detect result
D = result from diluted sample
B = detection in associated blank sample
F1, F2 = associated spike sample outside control limits

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		05 Jan 2020 BLOWER UNIT 1 N AE			05 Jan 2020 BLOWER UNIT 2 N AE			05 Jan 2020 BLOWER UNIT 3 N AE			05 Jan 2020 BLOWER UNIT 3 FD AE			05 Jan 2020 EW-1 N AS			05 Jan 2020 EW-2 N AS			05 Jan 2020 EW-3 N AS			05 Jan 2020 EW-4 N AS			05 Jan 2020 EW-5 N AS		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Volatile Organic Compounds																												
1,1,1,2-Tetrachloroethane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,1-Trichloroethane	ug/m3	0.37	J	1.1	0.91	J	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	11		1.1	1.2		1.1	0.44	J	1.1	0.49	J	1.1
1,1,2,2-Tetrachloroethane	ug/m3	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/m3	0.5	J	1.5	0.75	J	1.5	0.53	J	1.5	0.62	J	1.5	0.6	J	1.5	0.6	J	1.5	0.49	J	1.5	0.54	J	1.5	0.53	J	1.5
1,1,2-Trichloroethane	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
1,1-Dichloroethane	ug/m3	< 0.81	U	0.81	0.72	J	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	8.1		0.81	0.43	J	0.81	< 0.81	U	0.81	< 0.81	U	0.81
1,1-Dichloroethylene	ug/m3	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	0.5		0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14
1,2,4-Trichlorobenzene	ug/m3	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7
1,2,4-Trimethylbenzene	ug/m3	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.3	J	0.98	0.59	J	0.98	0.31	J	0.98	0.23	J	0.98	0.74	J	0.98
1,2-Dibromoethane (EDB)	ug/m3	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4
1,2-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
1,2-Dichloroethane	ug/m3	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81
1,2-Dichloropropane	ug/m3	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92
1,3,5-Trimethylbenzene	ug/m3	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.19	J	0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.21	J	0.98
1,3-Butadiene	ug/m3	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44
1,3-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
1,4-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
1,4-Dioxane	ug/m3	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18
2,2,4-Trimethylpentane	ug/m3	< 0.93	U	0.93	0.27	J	0.93	0.22	J	0.93	0.35	J	0.93	0.42	J	0.93	0.5	J	0.93	0.59	J	0.93	0.31	J	0.93	0.8	J	0.93
2-Butanone	ug/m3	0.75	J	1.5	4.4		1.5	1.4	J	1.5	4.5		1.5	1.3	J	1.5	7.2		1.5	1.1	J	1.5	0.97	J	1.5	1.9		1.5
2-Chlorotoluene	ug/m3	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
2-Hexanone	ug/m3	< 2	U	2	0.32	J	2	< 2	U	2	< 2	U	2	< 2	U	2	0.41	J	2	< 2	U	2	< 2	U	2	0.35	J	2
2-Propanol	ug/m3	1.2	J	12	4	J	12	2.2	J	12	3.7	J	12	4.6	J	12	4.5	J	12	2.5	J	12	3.3	J	12	5.2	J	12
4-Ethyltoluene	ug/m3	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.2	J	0.98
4-Isopropyltoluene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	0.39	J	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
4-Methyl-2-pentanone	ug/m3	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	0.87	J	2	0.97	J	2	< 2	U	2	0.46	J	2
Acetone	ug/m3	7.6	J	12	40		12	14		12	24		12	13		12	27		12	9.1	J	12	8.2	J	12	15		12
Acrylonitrile	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Allyl chloride	ug/m3	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6
Benzene	ug/m3	0.44	J	0.64	4.9		0.64	0.85		0.64	1.2		0.64	0.38	J	0.64	0.99		0.64	0.44	J	0.64	0.28	J	0.64	0.55	J	0.64
Benzyl chloride	ug/m3	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Bromodichloromethane	ug/m3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3
Bromoethylene	ug/m3	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87
Bromoform	ug/m3	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1
Bromomethane	ug/m3	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78
Butane	ug/m3	2.1		1.2	3.1		1.2	2.6		1.2	3.8		1.2	4.1		1.2	4.5		1.2	3.6		1.2	3.7		1.2	5.2		1.2
Carbon disulfide	ug/m3	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	2.5		1.6	< 1.6	U	1.6	4.3		1.6	0.35	J	1.6	< 1.6	U	1.6	< 1.6	U	1.6
Carbon tetrachloride	ug/m3	0.38		0.22	0.62		0.22	0.31		0.22	0.42		0.22	0.36		0.22	3		0.22	0.32		0.22	0.38		0.22	0.42		0.22
Chlorobenzene	ug/m3	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92
Chlorodifluoromethane	ug/m3	8.5		1.8	15		1.8	5.1		1.8	8		1.8	12		1.8	2.7		1.8	2.3		1.8	2.8		1.8	8.1		1.8
Chloroethane	ug/m3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	0.4	J	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3
Chloroform	ug/m3	0.33	J	0.98	1.5		0.98	0.24	J	0.98	0.27	J	0.98	0.91	J	0.98	14		0.98	0.45	J	0.98	0.72	J	0.98	0.43	J	0.98

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		05 Jan 2020 BLOWER UNIT 1 N AE			05 Jan 2020 BLOWER UNIT 2 N AE			05 Jan 2020 BLOWER UNIT 3 N AE			05 Jan 2020 BLOWER UNIT 3 FD AE			05 Jan 2020 EW-1 N AS			05 Jan 2020 EW-2 N AS			05 Jan 2020 EW-3 N AS			05 Jan 2020 EW-4 N AS			05 Jan 2020 EW-5 N AS		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Chloromethane	ug/m3	0.61	J	1	0.91	J	1	0.46	J	1	0.39	J	1	0.35	J	1	0.83	J	1	0.33	J	1	< 1	U	1	0.28	J	1
cis-1,2-Dichloroethylene	ug/m3	20		0.2	1.8		0.2	0.31		0.2	0.52		0.2	1.2		0.2	22		0.2	90		0.2	7.3		0.2	1.1		0.2
cis-1,3-Dichloropropene	ug/m3	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91
Cyclohexane	ug/m3	< 0.69	U	0.69	0.28	J	0.69	< 0.69	U	0.69	0.18	J	0.69	0.39	J	0.69	0.39	J	0.69	0.17	J	0.69	0.16	J	0.69	0.38	J	0.69
Dibromochloromethane	ug/m3	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Dichlorodifluoromethane	ug/m3	1.9	J	2.5	1.3	J	2.5	1.8	J	2.5	1.7	J	2.5	1.9	J	2.5	1.6	J	2.5	1.6	J	2.5	1.9	J	2.5	1.5	J	2.5
Ethanol	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethyl acetate	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/m3	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	0.38	J	0.87	0.32	J	0.87	< 0.87	U	0.87	0.28	J	0.87	0.56	J	0.87
Heptane	ug/m3	0.24	J	0.82	1		0.82	0.53	J	0.82	0.87		0.82	1		0.82	0.78	J	0.82	0.55	J	0.82	0.36	J	0.82	1.3		0.82
Hexachlorobutadiene	ug/m3	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1
Hexane	ug/m3	< 0.7	U	0.7	0.84		0.7	< 0.7	U	0.7	0.79		0.7	0.87		0.7	< 0.7	U	0.7	< 0.7	U	0.7	< 0.7	U	0.7	1.5		0.7
Isopropylbenzene	ug/m3	1.2		0.98	12		0.98	2.3		0.98	5.8		0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98
m,p-Xylene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
m/p-Xylene	ug/m3	< 2.2	U	2.2	< 2.2	U	2.2	< 2.2	U	2.2	0.52	J	2.2	1.1	J	2.2	1	J	2.2	0.78	J	2.2	0.82	J	2.2	1.7	J	2.2
Methyl methacrylate	ug/m3	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2
Methyl tert-butyl ether	ug/m3	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72
Methylene chloride	ug/m3	< 1.7	U	1.7	3.3		1.7	< 1.7	U	1.7	< 1.7	U	1.7	1.8		1.7	1.4	J	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Naphthalene	ug/m3	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6
n-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
o-Xylene	ug/m3	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	0.39	J	0.87	0.46	J	0.87	0.27	J	0.87	0.28	J	0.87	0.65	J	0.87
Propene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Propylbenzene	ug/m3	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98
sec-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
Styrene	ug/m3	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85
tert-Butyl alcohol	ug/m3	< 15	U	15	0.64	J	15	0.31	J	15	0.29	J	15	0.2	J	15	0.39	J	15	< 15	U	15	< 15	U	15	0.49	J	15
tert-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
Tetrachloroethylene	ug/m3	< 1.4	U	1.4	0.28	J	1.4	0.46	J	1.4	0.77	J	1.4	2.2		1.4	1.1	J	1.4	0.47	J	1.4	0.51	J	1.4	0.74	J	1.4
Tetrahydrofuran	ug/m3	< 15	U	15	< 15	U	15	< 15	U	15	< 15	U	15	0.28	J	15	< 15	U	15	< 15	U	15	0.55	J	15	< 15	U	15
Toluene	ug/m3	0.75		0.75	1.6		0.75	1.1		0.75	2.1		0.75	2.8		0.75	2.2		0.75	1.7		0.75	1.9		0.75	3.7		0.75
trans-1,2-Dichloroethylene	ug/m3	0.19	J	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	0.61	J	0.79	0.51	J	0.79	0.33	J	0.79	< 0.79	U	0.79
trans-1,3-Dichloropropene	ug/m3	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91
Trichloroethylene	ug/m3	20		0.19	8		0.19	6.7		0.19	11		0.19	18		0.19	87		0.19	44		0.19	52		0.19	35		0.19
Trichlorofluoromethane	ug/m3	1.1		1.1	1.1		1.1	1.4		1.1	2		1.1	1.2		1.1	1.3		1.1	1.1		1.1	1.5		1.1	1.1		1.1
Vinyl chloride	ug/m3	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	0.25		0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2

Notes and Abbreviations:

N = normal sample
FD = field duplicate
NA = not analyzed
ug/m3 = microgram per cubic meter
RL = reporting limit

AE = effluent sample
AI = indoor air sample
AO = ambient/outdoor air sample
AS = sub-slab air sample
Qual = interpreted qualifier

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		05 Jan 2020 EW-5 FD AS			05 Jan 2020 EW-6 N AS			05 Jan 2020 EW-7 N AS			05 Jan 2020 EW-8 N AS			05 Jan 2020 IA-1 N AI			05 Jan 2020 IA-10 N AI			05 Jan 2020 IA-2 N AI			05 Jan 2020 IA-3 N AI			05 Jan 2020 IA-4 N AI		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Volatile Organic Compounds																												
1,1,1,2-Tetrachloroethane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,1-Trichloroethane	ug/m3	< 1.1	U	1.1	0.26	J	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
1,1,2,2-Tetrachloroethane	ug/m3	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/m3	0.9	J	1.5	0.55	J	1.5	0.54	J	1.5	0.6	J	1.5	0.52	J	1.5	0.54	J	1.5	0.48	J	1.5	0.51	J	1.5	0.49	J	1.5
1,1,2-Trichloroethane	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
1,1-Dichloroethane	ug/m3	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81
1,1-Dichloroethylene	ug/m3	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14
1,2,4-Trichlorobenzene	ug/m3	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7
1,2,4-Trimethylbenzene	ug/m3	< 0.98	U	0.98	1.4		0.98	< 0.98	U	0.98	3.4		0.98	1.5		0.98	2		0.98	1.5		0.98	2.4		0.98	0.78	J	0.98
1,2-Dichloroethane (EDB)	ug/m3	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4
1,2-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
1,2-Dichloroethane	ug/m3	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	0.13	J	0.81	< 0.81	U	0.81	< 0.81	U	0.81	0.33	J	0.81	0.69	J	0.81
1,2-Dichloropropane	ug/m3	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92
1,3,5-Trimethylbenzene	ug/m3	< 0.98	U	0.98	0.44	J	0.98	< 0.98	U	0.98	0.8	J	0.98	0.42	J	0.98	0.54	J	0.98	0.45	J	0.98	0.63	J	0.98	0.35	J	0.98
1,3-Butadiene	ug/m3	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	0.28	J	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44
1,3-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
1,4-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
1,4-Dioxane	ug/m3	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18
2,2,4-Trimethylpentane	ug/m3	< 0.93	U	0.93	2.2		0.93	< 0.93	U	0.93	0.57	J	0.93	1.6		0.93	1.5		0.93	0.93		0.93	3.3		0.93	3.8		0.93
2-Butanone	ug/m3	< 1.5	U	1.5	1.4	J	1.5	4.2		1.5	5.4		1.5	1.4	J	1.5	1.7		1.5	1.5		1.5	3.1		1.5	8.3		1.5
2-Chlorotoluene	ug/m3	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
2-Hexanone	ug/m3	< 2	U	2	< 2	U	2	1.1	J	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2
2-Propanol	ug/m3	< 12	U	12	11	J	12	3.9	J	12	9.2	J	12	17		12	11	J	12	10	J	12	17		12	41		12
4-Ethyltoluene	ug/m3	< 0.98	U	0.98	0.58	J	0.98	< 0.98	U	0.98	0.92	J	0.98	0.46	J	0.98	0.55	J	0.98	0.51	J	0.98	0.76	J	0.98	0.46	J	0.98
4-Isopropyltoluene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	21		1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	0.23	J	1.1	< 1.1	U	1.1
4-Methyl-2-pentanone	ug/m3	< 2	U	2	0.64	J	2	< 2	U	2	2.4		2	0.86	J	2	0.71	J	2	1.9	J	2	5.9		2	4.4		2
Acetone	ug/m3	< 12	U	12	45		12	17		12	73		12	20		12	18		12	10	J	12	22		12	49		12
Acrylonitrile	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Allyl chloride	ug/m3	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6
Benzene	ug/m3	0.56	J	0.64	1.3		0.64	< 0.64	U	0.64	0.54	J	0.64	1.1		0.64	1.2		0.64	0.81		0.64	1.3		0.64	2		0.64
Benzyl chloride	ug/m3	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Bromodichloromethane	ug/m3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3
Bromoethylene	ug/m3	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87
Bromoform	ug/m3	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1
Bromomethane	ug/m3	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78
Butane	ug/m3	2.2		1.2	11		1.2	1.1	J	1.2	4.5		1.2	16		1.2	12		1.2	6.6		1.2	17		1.2	32		1.2
Carbon disulfide	ug/m3	< 1.6	U	1.6	< 1.6	U	1.6	0.39	J	1.6	0.62	J	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	0.26	J	1.6	0.29	J	1.6
Carbon tetrachloride	ug/m3	0.8		0.22	0.79		0.22	0.38		0.22	0.31		0.22	0.35		0.22	0.41		0.22	0.35		0.22	0.3		0.22	0.33		0.22
Chlorobenzene	ug/m3	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92
Chlorodifluoromethane	ug/m3	1.8		1.8	3.3		1.8	6.6		1.8	11		1.8	8.7		1.8	6.8		1.8	49		1.8	5.6		1.8	1.9		1.8
Chloroethane	ug/m3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3
Chloroform	ug/m3	< 0.98	U	0.98	1.1		0.98	0.27	J	0.98	0.19	J	0.98	0.17	J	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		05 Jan 2020 EW-5 FD AS			05 Jan 2020 EW-6 N AS			05 Jan 2020 EW-7 N AS			05 Jan 2020 EW-8 N AS			05 Jan 2020 IA-1 N AI			05 Jan 2020 IA-10 N AI			05 Jan 2020 IA-2 N AI			05 Jan 2020 IA-3 N AI			05 Jan 2020 IA-4 N AI		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Chloromethane	ug/m3	1.7		1	0.52	J	1	< 1	U	1	0.61	J	1	0.78	J	1	< 1	U	1	0.8	J	1	0.73	J	1	0.76	J	1
cis-1,2-Dichloroethylene	ug/m3	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2
cis-1,3-Dichloropropene	ug/m3	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91
Cyclohexane	ug/m3	< 0.69	U	0.69	1.1		0.69	0.18	J	0.69	0.44	J	0.69	0.96		0.69	0.98		0.69	0.7		0.69	0.86		0.69	1.8		0.69
Dibromochloromethane	ug/m3	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Dichlorodifluoromethane	ug/m3	4.9		2.5	1.5	J	2.5	2.2	J	2.5	2.3	J	2.5	2.1	J	2.5	3.1		2.5	1.7	J	2.5	1.6	J	2.5	1.9	J	2.5
Ethanol	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethyl acetate	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/m3	< 0.87	U	0.87	2		0.87	< 0.87	U	0.87	1		0.87	1.3		0.87	1.6		0.87	0.86	J	0.87	1.8		0.87	2.8		0.87
Heptane	ug/m3	< 0.82	U	0.82	3.4		0.82	0.54	J	0.82	1.5		0.82	2.1		0.82	1.7		0.82	1.7		0.82	2.6		0.82	3.5		0.82
Hexachlorobutadiene	ug/m3	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1
Hexane	ug/m3	0.81		0.7	3.2		0.7	< 0.7	U	0.7	1.2		0.7	2.5		0.7	2.7		0.7	1.5		0.7	2.9		0.7	5.5		0.7
Isopropylbenzene	ug/m3	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.85	J	0.98	< 0.98	U	0.98	0.19	J	0.98	< 0.98	U	0.98	0.18	J	0.98	0.19	J	0.98
m,p-Xylene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
m/p-Xylene	ug/m3	< 2.2	U	2.2	4.4		2.2	< 2.2	U	2.2	4.2		2.2	4		2.2	4.4		2.2	2.8		2.2	6.7		2.2	8.5		2.2
Methyl methacrylate	ug/m3	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	0.93	J	2	1.4	J	2
Methyl tert-butyl ether	ug/m3	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72
Methylene chloride	ug/m3	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	1.9		1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Naphthalene	ug/m3	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6
n-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
o-Xylene	ug/m3	< 0.87	U	0.87	1.4		0.87	< 0.87	U	0.87	1.5		0.87	1.5		0.87	1.7		0.87	1.1		0.87	2.1		0.87	2.4		0.87
Propene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Propylbenzene	ug/m3	< 0.98	U	0.98	0.42	J	0.98	< 0.98	U	0.98	0.33	J	0.98	0.33	J	0.98	0.4	J	0.98	0.38	J	0.98	0.43	J	0.98	0.37	J	0.98
sec-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
Styrene	ug/m3	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	0.42	J	0.85	< 0.85	U	0.85	< 0.85	U	0.85	0.21	J	0.85	0.24	J	0.85	0.18	J	0.85
tert-Butyl alcohol	ug/m3	< 15	U	15	0.4	J	15	0.36	J	15	0.51	J	15	0.59	J	15	0.62	J	15	0.48	J	15	0.44	J	15	0.71	J	15
tert-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
Tetrachloroethylene	ug/m3	< 1.4	U	1.4	2.1		1.4	0.64	J	1.4	0.34	J	1.4	0.34	J	1.4	0.34	J	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4
Tetrahydrofuran	ug/m3	< 15	U	15	< 15	U	15	< 15	U	15	1.4	J	15	0.41	J	15	0.43	J	15	< 15	U	15	1.5	J	15	4.9	J	15
Toluene	ug/m3	0.42	J	0.75	9.4		0.75	< 0.75	U	0.75	9.2		0.75	7.9		0.75	7.6		0.75	6.1		0.75	13		0.75	21		0.75
trans-1,2-Dichloroethylene	ug/m3	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79
trans-1,3-Dichloropropene	ug/m3	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91
Trichloroethylene	ug/m3	< 0.19	U	0.19	15		0.19	6.3		0.19	0.52		0.19	0.2		0.19	0.29		0.19	< 0.19	U	0.19	0.21		0.19	0.26		0.19
Trichlorofluoromethane	ug/m3	2.8		1.1	0.97	J	1.1	3.3		1.1	1.7		1.1	1.3		1.1	1.7		1.1	1	J	1.1	1.1		1.1	1.6		1.1
Vinyl chloride	ug/m3	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2

Notes and Abbreviations:

N = normal sample
FD = field duplicate
NA = not analyzed
ug/m3 = microgram per cubic meter
RL = reporting limit

AE = et
AI = in
AO = a
AS = sl
Qual =

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		05 Jan 2020 IA-5 N AI			05 Jan 2020 IA-5 FD AI			05 Jan 2020 IA-6 N AI			05 Jan 2020 IA-7 N AI			05 Jan 2020 IA-8 N AI			05 Jan 2020 IA-9 N AI			05 Jan 2020 OA-1 N AO			05 Jan 2020 OA-2 N AO			05 Jan 2020 OA-2 FD AO		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Volatile Organic Compounds																												
1,1,1,2-Tetrachloroethane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,1-Trichloroethane	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
1,1,2,2-Tetrachloroethane	ug/m3	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/m3	0.49	J	1.5	0.56	J	1.5	0.47	J	1.5	0.46	J	1.5	0.48	J	1.5	0.47	J	1.5	0.48	J	1.5	0.6	J	1.5	0.45	J	1.5
1,1,2-Trichloroethane	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
1,1-Dichloroethane	ug/m3	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81
1,1-Dichloroethylene	ug/m3	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14
1,2,4-Trichlorobenzene	ug/m3	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7
1,2,4-Trimethylbenzene	ug/m3	2.5		0.98	3.5		0.98	3.3		0.98	1		0.98	0.79	J	0.98	6		0.98	< 0.98	U	0.98	0.25	J	0.98	< 0.98	U	0.98
1,2-Dibromoethane (EDB)	ug/m3	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4
1,2-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
1,2-Dichloroethane	ug/m3	0.23	J	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81
1,2-Dichloropropane	ug/m3	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92
1,3,5-Trimethylbenzene	ug/m3	0.68	J	0.98	1		0.98	1.1		0.98	0.32	J	0.98	0.24	J	0.98	1.6		0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98
1,3-Butadiene	ug/m3	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44
1,3-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
1,4-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
1,4-Dioxane	ug/m3	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18	2.5	J	18	< 18	U	18	< 18	U	18	< 18	U	18
2,2,4-Trimethylpentane	ug/m3	2.8		0.93	2.7		0.93	4.6		0.93	1.3		0.93	1.4		0.93	7.6		0.93	< 0.93	U	0.93	< 0.93	U	0.93	< 0.93	U	0.93
2-Butanone	ug/m3	2.5		1.5	1.8		1.5	1.3	J	1.5	1.4	J	1.5	1.7		1.5	8.8		1.5	< 1.5	U	1.5	< 1.5	U	1.5	0.24	J	1.5
2-Chlorotoluene	ug/m3	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
2-Hexanone	ug/m3	0.44	J	2	< 2	U	2	< 2	U	2	< 2	U	2	0.2	J	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2
2-Propanol	ug/m3	17		12	13		12	25		12	17		12	18		12	43		12	< 12	U	12	< 12	U	12	< 12	U	12
4-Ethyltoluene	ug/m3	0.69	J	0.98	0.96	J	0.98	1.4		0.98	0.3	J	0.98	0.26	J	0.98	1.9		0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98
4-Isopropyltoluene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	0.44	J	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
4-Methyl-2-pentanone	ug/m3	1.4	J	2	1.3	J	2	2		2	0.69	J	2	0.67	J	2	2		2	< 2	U	2	< 2	U	2	< 2	U	2
Acetone	ug/m3	26		12	25		12	59		12	23		12	24		12	31		12	< 12	U	12	7.5	J	12	< 12	U	12
Acrylonitrile	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Allyl chloride	ug/m3	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6
Benzene	ug/m3	1.5		0.64	1.7		0.64	3		0.64	1		0.64	1		0.64	4.3		0.64	0.35	J	0.64	0.45	J	0.64	0.24	J	0.64
Benzyl chloride	ug/m3	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Bromodichloromethane	ug/m3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3
Bromoethylene	ug/m3	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87
Bromoform	ug/m3	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1
Bromomethane	ug/m3	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78
Butane	ug/m3	26		1.2	29		1.2	30		1.2	11		1.2	13		1.2	35		1.2	< 1.2	U	1.2	1.2		1.2	0.8	J	1.2
Carbon disulfide	ug/m3	< 1.6	U	1.6	< 1.6	U	1.6	0.57	J	1.6	< 1.6	U	1.6	< 1.6	U	1.6	2.3		1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6
Carbon tetrachloride	ug/m3	0.32		0.22	0.46		0.22	0.34		0.22	0.32		0.22	0.31		0.22	0.39		0.22	0.37		0.22	0.4		0.22	0.37		0.22
Chlorobenzene	ug/m3	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92
Chlorodifluoromethane	ug/m3	26		1.8	12		1.8	3.6		1.8	9		1.8	6.8		1.8	1.9		1.8	0.78	J	1.8	0.97	J	1.8	0.87	J	1.8
Chloroethane	ug/m3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3
Chloroform	ug/m3	0.17	J	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		05 Jan 2020 IA-5 N AI			05 Jan 2020 IA-5 FD AI			05 Jan 2020 IA-6 N AI			05 Jan 2020 IA-7 N AI			05 Jan 2020 IA-8 N AI			05 Jan 2020 IA-9 N AI			05 Jan 2020 OA-1 N AO			05 Jan 2020 OA-2 N AO			05 Jan 2020 OA-2 FD AO		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Chloromethane	ug/m3	0.69	J	1	< 1	U	1	0.77	J	1	0.75	J	1	0.77	J	1	< 1	U	1	< 1	U	1	< 1	U	1	0.89	J	1
cis-1,2-Dichloroethylene	ug/m3	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2
cis-1,3-Dichloropropene	ug/m3	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91
Cyclohexane	ug/m3	1.4		0.69	1.6		0.69	3		0.69	0.83		0.69	0.81		0.69	4.6		0.69	< 0.69	U	0.69	< 0.69	U	0.69	< 0.69	U	0.69
Dibromochloromethane	ug/m3	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Dichlorodifluoromethane	ug/m3	2.2	J	2.5	4.4		2.5	1.5	J	2.5	2.4	J	2.5	1.9	J	2.5	2.2	J	2.5	2.2	J	2.5	2.6		2.5	1.9	J	2.5
Ethanol	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethyl acetate	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/m3	1.9		0.87	2.4		0.87	6.3		0.87	1.1		0.87	1		0.87	5.6		0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87
Heptane	ug/m3	3.3		0.82	2.9		0.82	9.5		0.82	2		0.82	1.9		0.82	6.6		0.82	< 0.82	U	0.82	< 0.82	U	0.82	< 0.82	U	0.82
Hexachlorobutadiene	ug/m3	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1
Hexane	ug/m3	4.2		0.7	4.2		0.7	9.1		0.7	2.4		0.7	2.4		0.7	10		0.7	< 0.7	U	0.7	0.84		0.7	< 0.7	U	0.7
Isopropylbenzene	ug/m3	< 0.98	U	0.98	< 0.98	U	0.98	0.27	J	0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.43	J	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98
m,p-Xylene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
m/p-Xylene	ug/m3	6.3		2.2	7.2		2.2	12		2.2	3		2.2	2.6		2.2	17		2.2	< 2.2	U	2.2	< 2.2	U	2.2	< 2.2	U	2.2
Methyl methacrylate	ug/m3	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2
Methyl tert-butyl ether	ug/m3	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72
Methylene chloride	ug/m3	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Naphthalene	ug/m3	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6
n-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
o-Xylene	ug/m3	2.6		0.87	3.2		0.87	3.7		0.87	1		0.87	0.92		0.87	5.7		0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87
Propene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Propylbenzene	ug/m3	0.45	J	0.98	0.68	J	0.98	1.2		0.98	0.24	J	0.98	0.19	J	0.98	1.4		0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98
sec-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
Styrene	ug/m3	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85
tert-Butyl alcohol	ug/m3	0.63	J	15	< 15	U	15	0.19	J	15	0.58	J	15	0.64	J	15	< 15	U	15	< 15	U	15	< 15	U	15	< 15	U	15
tert-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
Tetrachloroethylene	ug/m3	0.42	J	1.4	0.55	J	1.4	1.3	J	1.4	0.39	J	1.4	0.28	J	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4
Tetrahydrofuran	ug/m3	0.59	J	15	0.5	J	15	< 15	U	15	0.29	J	15	< 15	U	15	1.8	J	15	< 15	U	15	< 15	U	15	< 15	U	15
Toluene	ug/m3	12		0.75	12		0.75	26		0.75	6.4		0.75	6.4		0.75	33		0.75	< 0.75	U	0.75	< 0.75	U	0.75	< 0.75	U	0.75
trans-1,2-Dichloroethylene	ug/m3	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79
trans-1,3-Dichloropropene	ug/m3	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91
Trichloroethylene	ug/m3	0.25		0.19	0.25		0.19	2.3		0.19	0.26		0.19	0.26		0.19	0.32		0.19	< 0.19	U	0.19	< 0.19	U	0.19	< 0.19	U	0.19
Trichlorofluoromethane	ug/m3	1.2		1.1	2.2		1.1	0.92	J	1.1	1.3		1.1	1.2		1.1	1.3		1.1	1.3		1.1	1.6		1.1	1.2		1.1
Vinyl chloride	ug/m3	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2

Notes and Abbreviations:

N = normal sample
FD = field duplicate
NA = not analyzed
ug/m3 = microgram per cubic meter
RL = reporting limit

AE = et
AI = in
AO = a
AS = st
Qual =

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		05 Jan 2020 OA-3 N AO			07 Mar 2020 BLOWER UNIT 1 N AE			07 Mar 2020 BLOWER UNIT 2 N AE			07 Mar 2020 BLOWER UNIT 3 N AE			07 Mar 2020 BLOWER UNIT 3 FD AE			07 Mar 2020 EW-1 N AS			07 Mar 2020 EW-2 N AS			07 Mar 2020 EW-3 N AS			07 Mar 2020 EW-4 N AS		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Volatile Organic Compounds																												
1,1,1,2-Tetrachloroethane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,1-Trichloroethane	ug/m3	< 1.1	U	1.1	1.3		1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.3	U	1.3	1.2		1.1	< 1.1	U	1.1
1,1,2,2-Tetrachloroethane	ug/m3	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.6	U	1.6	< 1.4	U	1.4	< 1.4	U	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/m3	0.55	J	1.5	0.63	J	1.5	0.5	J	1.5	0.59	J	1.5	0.6	J	1.5	0.55	J	1.5	0.53	J	1.8	0.52	J	1.5	0.58	J	1.5
1,1,2-Trichloroethane	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.3	U	1.3	< 1.1	U	1.1	< 1.1	U	1.1
1,1-Dichloroethane	ug/m3	< 0.81	U	0.81	0.4	J	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.96	U	0.96	0.36	J	0.81	< 0.81	U	0.81
1,1-Dichloroethylene	ug/m3	< 0.14	U	0.14	0.29		0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.17	U	0.17	0.31		0.14	< 0.14	U	0.14
1,2,4-Trichlorobenzene	ug/m3	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 4.4	U	4.4	< 3.7	U	3.7	< 3.7	U	3.7
1,2,4-Trimethylbenzene	ug/m3	< 0.98	U	0.98	0.39	J	0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.23	J	0.98	1.2		0.98	1.3		1.2	0.67	J	0.98	0.56	J	0.98
1,2-Dibromoethane (EDB)	ug/m3	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.8	U	1.8	< 1.5	U	1.5	< 1.5	U	1.5
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.7	U	1.7	< 1.4	U	1.4	< 1.4	U	1.4
1,2-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.4	U	1.4	< 1.2	U	1.2	< 1.2	U	1.2
1,2-Dichloroethane	ug/m3	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.96	U	0.96	< 0.81	U	0.81	< 0.81	U	0.81
1,2-Dichloropropane	ug/m3	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	0.48	J	0.92	< 0.92	U	0.92	< 1.1	U	1.1	< 0.92	U	0.92	< 0.92	U	0.92
1,3,5-Trimethylbenzene	ug/m3	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.41	J	0.98	0.43	J	1.2	0.22	J	0.98	0.22	J	0.98
1,3-Butadiene	ug/m3	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.53	U	0.53	< 0.44	U	0.44	< 0.44	U	0.44
1,3-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.4	U	1.4	< 1.2	U	1.2	< 1.2	U	1.2
1,4-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.4	U	1.4	< 1.2	U	1.2	< 1.2	U	1.2
1,4-Dioxane	ug/m3	< 18	U	18	< 18	U	18	0.78	J	18	< 18	U	18	< 18	U	18	< 18	U	18	< 21	U	21	< 18	U	18	< 18	U	18
2,2,4-Trimethylpentane	ug/m3	< 0.93	U	0.93	0.47	J	0.93	< 0.93	U	0.93	< 0.93	U	0.93	10		0.93	1.5		0.93	4.7		1.1	1.6		0.93	4.3		0.93
2-Butanone	ug/m3	< 1.5	U	1.5	< 1.5	U	1.5	0.74	J	1.5	< 1.5	U	1.5	< 1.5	U	1.5	5.4		1.5	27		1.8	2.4		1.5	34		1.5
2-Chlorotoluene	ug/m3	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.2	U	1.2	< 1	U	1	< 1	U	1
2-Hexanone	ug/m3	< 2	U	2	2.8		2	< 2	U	2	< 2	U	2	1.4	J	2	< 2	U	2	< 2.4	U	2.4	< 2	U	2	< 2	U	2
2-Propanol	ug/m3	< 12	U	12	1.6	J	12	< 12	U	12	< 12	U	12	< 12	U	12	46		12	3.4	J	15	1.3	J	12	23		12
4-Ethyltoluene	ug/m3	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.4	U	0.98	0.41	U	1.2	0.21	U	0.98	0.27	U	0.98
4-Isopropyltoluene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	0.26	J	1.1	< 1.3	U	1.3	< 1.1	U	1.1	0.24	J	1.1
4-Methyl-2-pentanone	ug/m3	< 2	U	2	0.39	J	2	< 2	U	2	< 2	U	2	< 2	U	2	1.3	J	2	2.5		2.4	2.3		2	5		2
Acetone	ug/m3	< 12	U	12	17		12	9.2	J	12	5.2	J	12	12		12	41		12	46		14	8.1	J	12	87		12
Acrylonitrile	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Allyl chloride	ug/m3	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.9	U	1.9	< 1.6	U	1.6	< 1.6	U	1.6
Benzene	ug/m3	0.39	J	0.64	0.81		0.64	1.2		0.64	0.38	J	0.64	2.5		0.64	1.1		0.64	1.1		0.76	0.76		0.64	1.7		0.64
Benzyl chloride	ug/m3	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.2	U	1.2	< 1	U	1	< 1	U	1
Bromodichloromethane	ug/m3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.6	U	1.6	< 1.3	U	1.3	< 1.3	U	1.3
Bromoethylene	ug/m3	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 1	U	1	< 0.87	U	0.87	< 0.87	U	0.87
Bromoform	ug/m3	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.5	U	2.5	< 2.1	U	2.1	< 2.1	U	2.1
Bromomethane	ug/m3	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.92	U	0.92	< 0.78	U	0.78	< 0.78	U	0.78
Butane	ug/m3	< 1.2	U	1.2	6.4		1.2	1.2		1.2	0.89	J	1.2	17		1.2	57		1.2	12		1.4	16		1.2	36		1.2
Carbon disulfide	ug/m3	< 1.6	U	1.6	< 1.6	U	1.6	0.5	J	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.9	U	1.9	< 1.6	U	1.6	0.47	J	1.6
Carbon tetrachloride	ug/m3	0.44		0.22	0.49		0.22	0.46		0.22	0.48		0.22	0.47		0.22	0.46		0.22	0.37		0.26	0.49		0.22	0.41		0.22
Chlorobenzene	ug/m3	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 1.1	U	1.1	< 0.92	U	0.92	< 0.92	U	0.92
Chlorodifluoromethane	ug/m3	1.1	J	1.8	38		1.8	7.9		1.8	< 1.8	U	1.8	2.3		1.8	14		1.8	4.8		2.1	5.1		1.8	9.7		1.8
Chloroethane	ug/m3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.6	U	1.6	< 1.3	U	1.3	< 1.3	U	1.3
Chloroform	ug/m3	< 0.98	U	0.98	0.42	J	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.29	J	0.98	< 1.2	U	1.2	0.29	J	0.98	< 0.98	U	0.98

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		05 Jan 2020 OA-3 N AO			07 Mar 2020 BLOWER UNIT 1 N AE			07 Mar 2020 BLOWER UNIT 2 N AE			07 Mar 2020 BLOWER UNIT 3 N AE			07 Mar 2020 BLOWER UNIT 3 FD AE			07 Mar 2020 EW-1 N AS			07 Mar 2020 EW-2 N AS			07 Mar 2020 EW-3 N AS			07 Mar 2020 EW-4 N AS		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Chloromethane	ug/m3	< 1	U	1	0.8	J	1	1.3		1	1.4		1	1.4		1	1.3		1	1.2		1.2	0.91	J	1	1.4		1
cis-1,2-Dichloroethylene	ug/m3	< 0.2	U	0.2	65		0.2	0.24		0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	2.2		0.24	75		0.2	< 0.2	U	0.2
cis-1,3-Dichloropropene	ug/m3	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 1.1	U	1.1	< 0.91	U	0.91	< 0.91	U	0.91
Cyclohexane	ug/m3	< 0.69	U	0.69	0.19	J	0.69	< 0.69	U	0.69	< 0.69	U	0.69	24		0.69	1.2		0.69	4.6		0.82	0.39	J	0.69	1.7		0.69
Dibromochloromethane	ug/m3	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 2	U	2	< 1.7	U	1.7	< 1.7	U	1.7
Dichlorodifluoromethane	ug/m3	2.6		2.5	3.4		2.5	2.4	J	2.5	2.5		2.5	2.6		2.5	3.4		2.5	2	J	2.9	2.7		2.5	3.5		2.5
Ethanol	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethyl acetate	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/m3	< 0.87	U	0.87	0.4	J	0.87	< 0.87	U	0.87	< 0.87	U	0.87	0.91		0.87	1.7		0.87	1.1		1	1.5		0.87	3.8		0.87
Heptane	ug/m3	< 0.82	U	0.82	0.67	J	0.82	0.59	J	0.82	< 0.82	U	0.82	39		0.82	2.9		0.82	7.5		0.98	1		0.82	3.1		0.82
Hexachlorobutadiene	ug/m3	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.5	U	2.5	< 2.1	U	2.1	< 2.1	U	2.1
Hexane	ug/m3	< 0.7	U	0.7	1.2		0.7	< 0.7	U	0.7	< 0.7	U	0.7	52		0.7	3		0.7	9.8		0.84	1.6		0.7	4.4		0.7
Isopropylbenzene	ug/m3	< 0.98	U	0.98	2.8		0.98	2.1		0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 1.2	U	1.2	0.17	J	0.98	< 0.98	U	0.98
m,p-Xylene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
m/p-Xylene	ug/m3	< 2.2	U	2.2	1.4	J	2.2	< 2.2	U	2.2	< 2.2	U	2.2	2.6		2.2	5.1		2.2	3.5		2.6	5.5		2.2	11		2.2
Methyl methacrylate	ug/m3	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2.4	U	2.4	< 2	U	2	1.5	J	2
Methyl tert-butyl ether	ug/m3	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.86	U	0.86	< 0.72	U	0.72	< 0.72	U	0.72
Methylene chloride	ug/m3	< 1.7	U	1.7	0.98	J	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 2.1	U	2.1	< 1.7	U	1.7	< 1.7	U	1.7
Naphthalene	ug/m3	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 3.1	U	3.1	< 2.6	U	2.6	< 2.6	U	2.6
n-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.3	U	1.3	< 1.1	U	1.1	< 1.1	U	1.1
o-Xylene	ug/m3	< 0.87	U	0.87	0.57	J	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	1.9		0.87	1.2		1	1.6		0.87	2.9		0.87
Propene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Propylbenzene	ug/m3	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.35	U	0.98	0.28	U	1.2	< 0.98	U	0.98	0.23	U	0.98
sec-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.3	U	1.3	< 1.1	U	1.1	< 1.1	U	1.1
Styrene	ug/m3	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	0.21	J	1	< 0.85	U	0.85	0.29	J	0.85
tert-Butyl alcohol	ug/m3	< 15	U	15	0.45	J	15	0.22	J	15	< 15	U	15	< 15	U	15	0.43	J	15	0.45	J	18	0.23	J	15	0.79	J	15
tert-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.3	U	1.3	< 1.1	U	1.1	< 1.1	U	1.1
Tetrachloroethylene	ug/m3	< 1.4	U	1.4	1.9		1.4	< 1.4	U	1.4	0.24	J	1.4	< 1.4	U	1.4	7.1		1.4	1.3	J	1.6	1.1	J	1.4	1.2	J	1.4
Tetrahydrofuran	ug/m3	< 15	U	15	0.7	J	15	0.9	J	15	< 15	U	15	< 15	U	15	2	J	15	12	J	18	0.71	J	15	16		15
Toluene	ug/m3	< 0.75	U	0.75	2.2		0.75	0.46	J	0.75	< 0.75	U	0.75	0.47	J	0.75	7.2		0.75	4.3		0.9	5		0.75	19		0.75
trans-1,2-Dichloroethylene	ug/m3	< 0.79	U	0.79	0.71	J	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.94	U	0.94	0.65	J	0.79	< 0.79	U	0.79
trans-1,3-Dichloropropene	ug/m3	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 1.1	U	1.1	< 0.91	U	0.91	< 0.91	U	0.91
Trichloroethylene	ug/m3	< 0.19	U	0.19	52		0.19	0.65		0.19	< 0.19	U	0.19	< 0.19	U	0.19	0.45		0.19	1.2		0.22	40		0.19	0.49		0.19
Trichlorofluoromethane	ug/m3	1.5		1.1	1.9		1.1	1.4		1.1	1.3		1.1	1.4		1.1	1.5		1.1	1.3		1.3	1.4		1.1	2.3		1.1
Vinyl chloride	ug/m3	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.24	U	0.24	< 0.2	U	0.2	< 0.2	U	0.2

Notes and Abbreviations:

N = normal sample
FD = field duplicate
NA = not analyzed
ug/m3 = microgram per cubic meter
RL = reporting limit

AE = et
AI = in
AO = a
AS = st
Qual =

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		07 Mar 2020 EW-5 N AS			07 Mar 2020 EW-5 FD AS			07 Mar 2020 EW-6 N AS			07 Mar 2020 EW-7 N AS			07 Mar 2020 EW-8 N AS			07 Mar 2020 IA-1 N AI			07 Mar 2020 IA-10 N AI			07 Mar 2020 IA-2 N AI			07 Mar 2020 IA-3 N AI		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Volatile Organic Compounds																												
1,1,1,2-Tetrachloroethane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,1-Trichloroethane	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
1,1,2,2-Tetrachloroethane	ug/m3	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/m3	0.46	J	1.5	0.48	J	1.5	0.5	J	1.5	0.61	J	1.5	0.45	J	1.5	0.57	J	1.5	0.48	J	1.5	0.53	J	1.5	0.48	J	1.5
1,1,2-Trichloroethane	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
1,1-Dichloroethane	ug/m3	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81
1,1-Dichloroethylene	ug/m3	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14
1,2,4-Trichlorobenzene	ug/m3	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7
1,2,4-Trimethylbenzene	ug/m3	1.7		0.98	1.2		0.98	2.5		0.98	0.36	J	0.98	0.66	J	0.98	1.1		0.98	< 0.98	U	0.98	0.62	J	0.98	1.3		0.98
1,2-Dibromoethane (EDB)	ug/m3	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4
1,2-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
1,2-Dichloroethane	ug/m3	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	0.28	J	0.81
1,2-Dichloropropane	ug/m3	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92
1,3,5-Trimethylbenzene	ug/m3	0.48	J	0.98	0.41	J	0.98	1.1		0.98	< 0.98	U	0.98	0.21	J	0.98	0.36	J	0.98	< 0.98	U	0.98	0.21	J	0.98	0.38	J	0.98
1,3-Butadiene	ug/m3	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44
1,3-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
1,4-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
1,4-Dioxane	ug/m3	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18	0.43	J	18	0.43	J	18	< 18	U	18	< 18	U	18	< 18	U	18
2,2,4-Trimethylpentane	ug/m3	1.5		0.93	1.5		0.93	5.8		0.93	< 0.93	U	0.93	0.44	J	0.93	1.1		0.93	0.39	J	0.93	3		0.93	4.1		0.93
2-Butanone	ug/m3	2.4		1.5	3.7		1.5	5.2		1.5	1.2	J	1.5	0.96	J	1.5	4.6		1.5	4.2		1.5	59		1.5	3.9		1.5
2-Chlorotoluene	ug/m3	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
2-Hexanone	ug/m3	< 2	U	2	< 2	U	2	< 2	U	2	0.22	J	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2
2-Propanol	ug/m3	36		12	33		12	31		12	2.5	J	12	9.2	J	12	47		12	37		12	4.5	J	12	5.1	J	12
4-Ethyltoluene	ug/m3	0.38	U	0.98	0.37	U	0.98	0.99		0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.47	J	0.98	< 0.98	U	0.98	0.25	J	0.98	0.44	J	0.98
4-Isopropyltoluene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	0.26	J	1.1	< 1.1	U	1.1	< 1.1	U	1.1	0.22	J	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
4-Methyl-2-pentanone	ug/m3	2.2		2	0.97	J	2	2.4		2	< 2	U	2	< 2	U	2	1.2	J	2	0.46	J	2	2.2		2	8.9		2
Acetone	ug/m3	25		12	26		12	86		12	7.3	J	12	19		12	45		12	42		12	NA			23		12
Acrylonitrile	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Allyl chloride	ug/m3	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6
Benzene	ug/m3	1.2		0.64	1.2		0.64	3.1		0.64	< 0.64	U	0.64	0.44	J	0.64	0.97		0.64	0.85		0.64	0.68		0.64	1.4		0.64
Benzyl chloride	ug/m3	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Bromodichloromethane	ug/m3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3
Bromoethylene	ug/m3	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87
Bromoform	ug/m3	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1
Bromomethane	ug/m3	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78
Butane	ug/m3	52		1.2	48		1.2	36		1.2	3.5		1.2	14		1.2	61		1.2	51		1.2	9.9		1.2	35		1.2
Carbon disulfide	ug/m3	0.36	J	1.6	0.32	J	1.6	0.51	J	1.6	0.25	J	1.6	1.1	J	1.6	0.27	J	1.6	< 1.6	U	1.6	< 1.6	U	1.6	0.34	J	1.6
Carbon tetrachloride	ug/m3	0.33		0.22	0.39		0.22	0.45		0.22	0.42		0.22	0.41		0.22	0.43		0.22	0.4		0.22	0.46		0.22	0.4		0.22
Chlorobenzene	ug/m3	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92
Chlorodifluoromethane	ug/m3	5.5		1.8	5.2		1.8	11		1.8	8.3		1.8	41		1.8	8.3		1.8	7.5		1.8	16		1.8	11		1.8
Chloroethane	ug/m3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3
Chloroform	ug/m3	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.2	J	0.98	0.22	J	0.98	0.33	J	0.98	0.21	J	0.98	< 0.98	U	0.98	< 0.98	U	0.98

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		07 Mar 2020 EW-5 N AS			07 Mar 2020 EW-5 FD AS			07 Mar 2020 EW-6 N AS			07 Mar 2020 EW-7 N AS			07 Mar 2020 EW-8 N AS			07 Mar 2020 IA-1 N AI			07 Mar 2020 IA-10 N AI			07 Mar 2020 IA-2 N AI			07 Mar 2020 IA-3 N AI		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Chloromethane	ug/m3	1.2		1	1.5		1	1.3		1	0.68	J	1	0.64	J	1	1.3		1	1.1		1	1.1		1	1.1		1
cis-1,2-Dichloroethylene	ug/m3	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2
cis-1,3-Dichloropropene	ug/m3	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91
Cyclohexane	ug/m3	0.97		0.69	0.87		0.69	3.7		0.69	< 0.69	U	0.69	0.24	J	0.69	0.6	J	0.69	0.5	J	0.69	0.29	J	0.69	0.8		0.69
Dibromochloromethane	ug/m3	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Dichlorodifluoromethane	ug/m3	2.5		2.5	2.6		2.5	2.5		2.5	4.3		2.5	3.7		2.5	2.9		2.5	2.6		2.5	2	J	2.5	2	J	2.5
Ethanol	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethyl acetate	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/m3	1.9		0.87	1.7		0.87	7.5		0.87	< 0.87	U	0.87	0.52	J	0.87	1.4		0.87	< 0.87	U	0.87	0.7	J	0.87	5.4		0.87
Heptane	ug/m3	2.3		0.82	2.2		0.82	17		0.82	0.42	J	0.82	1		0.82	1.9		0.82	0.71	J	0.82	0.88		0.82	2.9		0.82
Hexachlorobutadiene	ug/m3	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1
Hexane	ug/m3	3.1		0.7	3.1		0.7	8.7		0.7	< 0.7	U	0.7	0.8		0.7	1.9		0.7	1.5		0.7	1.1		0.7	3.1		0.7
Isopropylbenzene	ug/m3	0.18	J	0.98	< 0.98	U	0.98	0.52	J	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.18	J	0.98
m,p-Xylene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
m/p-Xylene	ug/m3	6.3		2.2	5.6		2.2	13		2.2	< 2.2	U	2.2	1.5	J	2.2	4.2		2.2	< 2.2	U	2.2	2.4		2.2	19		2.2
Methyl methacrylate	ug/m3	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	1	J	2
Methyl tert-butyl ether	ug/m3	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72
Methylene chloride	ug/m3	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Naphthalene	ug/m3	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6
n-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	0.23	J	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
o-Xylene	ug/m3	2.5		0.87	2.2		0.87	4.7		0.87	< 0.87	U	0.87	0.65	J	0.87	1.4		0.87	< 0.87	U	0.87	0.69	J	0.87	4		0.87
Propene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Propylbenzene	ug/m3	0.32	U	0.98	0.29	U	0.98	1		0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.31	J	0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.29	J	0.98
sec-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
Styrene	ug/m3	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85
tert-Butyl alcohol	ug/m3	0.28	J	15	0.32	J	15	0.7	J	15	0.25	J	15	0.23	J	15	0.44	J	15	0.28	J	15	0.52	J	15	0.52	J	15
tert-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
Tetrachloroethylene	ug/m3	1.3	J	1.4	1.3	J	1.4	27		1.4	2.6		1.4	4.8		1.4	2.3		1.4	1.9		1.4	< 1.4	U	1.4	0.23	J	1.4
Tetrahydrofuran	ug/m3	1.1	J	15	0.95	J	15	1.8	J	15	< 15	U	15	0.39	J	15	2	J	15	< 15	U	15	34		15	2	J	15
Toluene	ug/m3	8.9		0.75	8.2		0.75	20		0.75	0.59	J	0.75	2.3		0.75	5.3		0.75	1.9		0.75	4.2		0.75	11		0.75
trans-1,2-Dichloroethylene	ug/m3	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79
trans-1,3-Dichloropropene	ug/m3	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91
Trichloroethylene	ug/m3	0.25		0.19	0.19		0.19	4		0.19	6.1		0.19	0.68		0.19	0.43		0.19	0.38		0.19	< 0.19	U	0.19	0.22		0.19
Trichlorofluoromethane	ug/m3	1.3		1.1	1.4		1.1	1.3		1.1	5.6		1.1	2.3		1.1	1.7		1.1	1.6		1.1	1.2		1.1	1.3		1.1
Vinyl chloride	ug/m3	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2

Notes and Abbreviations:

N = normal sample
FD = field duplicate
NA = not analyzed
ug/m3 = microgram per cubic meter
RL = reporting limit

AE = et
AI = in
AO = a
AS = sl
Qual =

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		07 Mar 2020 IA-4 N AI			07 Mar 2020 IA-5 N AI			07 Mar 2020 IA-5 FD AI			07 Mar 2020 IA-6 N AI			07 Mar 2020 IA-7 N AI			07 Mar 2020 IA-8 N AI			07 Mar 2020 IA-9 N AI			07 Mar 2020 OA-1 N AO			07 Mar 2020 OA-2 N AO		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Volatile Organic Compounds																												
1,1,1,2-Tetrachloroethane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1,1-Trichloroethane	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
1,1,2,2-Tetrachloroethane	ug/m3	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/m3	0.47	J	1.5	0.55	J	1.5	0.6	J	1.5	0.49	J	1.5	0.48	J	1.5	0.47	J	1.5	0.56	J	1.5	0.48	J	1.5	0.59	J	1.5
1,1,2-Trichloroethane	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
1,1-Dichloroethane	ug/m3	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81
1,1-Dichloroethylene	ug/m3	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14	< 0.14	U	0.14
1,2,4-Trichlorobenzene	ug/m3	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7	< 3.7	U	3.7
1,2,4-Trimethylbenzene	ug/m3	3		0.98	1.5		0.98	1.9		0.98	8.5		0.98	1.1		0.98	0.75	J	0.98	2.8		0.98	< 0.98	U	0.98	< 0.98	U	0.98
1,2-Dichloroethane (EDB)	ug/m3	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5	< 1.5	U	1.5
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4	< 1.4	U	1.4
1,2-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
1,2-Dichloroethane	ug/m3	0.57	J	0.81	0.29	J	0.81	0.25	J	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81	< 0.81	U	0.81
1,2-Dichloropropane	ug/m3	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92
1,3,5-Trimethylbenzene	ug/m3	0.76	J	0.98	0.28	J	0.98	0.52	J	0.98	2.3		0.98	0.36	J	0.98	0.23	J	0.98	0.82	J	0.98	< 0.98	U	0.98	< 0.98	U	0.98
1,3-Butadiene	ug/m3	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44
1,3-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
1,4-Dichlorobenzene	ug/m3	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2	< 1.2	U	1.2
1,4-Dioxane	ug/m3	< 18	U	18	26		18	< 18	U	18	1.8	J	18	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18	< 18	U	18
2,2,4-Trimethylpentane	ug/m3	4.2		0.93	1.3		0.93	1.8		0.93	6.3		0.93	0.74	J	0.93	0.79	J	0.93	4.8		0.93	< 0.93	U	0.93	< 0.93	U	0.93
2-Butanone	ug/m3	53		1.5	4.8		1.5	4.9		1.5	10		1.5	3.1		1.5	2.8		1.5	16		1.5	0.38	J	1.5	1	J	1.5
2-Chlorotoluene	ug/m3	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
2-Hexanone	ug/m3	0.35	J	2	< 2	U	2	< 2	U	2	0.64	J	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	0.2	J	2
2-Propanol	ug/m3	27		12	48		12	59		12	31		12	32		12	38		12	76		12	< 12	U	12	< 12	U	12
4-Ethyltoluene	ug/m3	0.82	J	0.98	0.45	J	0.98	0.55	J	0.98	3		0.98	0.41	J	0.98	0.23	J	0.98	1.1		0.98	< 0.98	U	0.98	< 0.98	U	0.98
4-Isopropyltoluene	ug/m3	0.62	J	1.1	< 1.1	U	1.1	< 1.1	U	1.1	5.4		1.1	0.3	J	1.1	0.28	J	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
4-Methyl-2-pentanone	ug/m3	6.3		2	3.2		2	4.3		2	4.7		2	0.96	J	2	0.69	J	2	3.9		2	< 2	U	2	0.45	J	2
Acetone	ug/m3	NA			46		12	49		12	NA			34		12	37		12	63		12	5.3	J	12	6.6	J	12
Acrylonitrile	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Allyl chloride	ug/m3	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6
Benzene	ug/m3	1.7		0.64	1.2		0.64	1.6		0.64	3.5		0.64	0.85		0.64	0.78		0.64	3.4		0.64	0.32	J	0.64	0.35	J	0.64
Benzyl chloride	ug/m3	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Bromodichloromethane	ug/m3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3
Bromoethylene	ug/m3	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87	< 0.87	U	0.87
Bromoform	ug/m3	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1
Bromomethane	ug/m3	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78	< 0.78	U	0.78
Butane	ug/m3	42		1.2	68		1.2	78		1.2	42		1.2	48		1.2	43		1.2	74		1.2	1.7		1.2	1.1	J	1.2
Carbon disulfide	ug/m3	0.44	J	1.6	0.32	J	1.6	0.36	J	1.6	0.31	J	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6	< 1.6	U	1.6
Carbon tetrachloride	ug/m3	0.46		0.22	0.43		0.22	0.55		0.22	0.38		0.22	0.48		0.22	0.34		0.22	0.43		0.22	0.39		0.22	0.43		0.22
Chlorobenzene	ug/m3	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92	< 0.92	U	0.92
Chlorodifluoromethane	ug/m3	3.5		1.8	6.9		1.8	8.7		1.8	6.5		1.8	8.9		1.8	15		1.8	3.6		1.8	2		1.8	1.8		1.8
Chloroethane	ug/m3	< 1.3	U	1.3	0.19	J	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3	< 1.3	U	1.3
Chloroform	ug/m3	< 0.98	U	0.98	0.26	J	0.98	0.32	J	0.98	< 0.98	U	0.98	0.19	J	0.98	0.32	J	0.98	< 0.98	U	0.98	< 0.98	U	0.98	< 0.98	U	0.98

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix	Unit	07 Mar 2020 IA-4 N AI			07 Mar 2020 IA-5 N AI			07 Mar 2020 IA-5 FD AI			07 Mar 2020 IA-6 N AI			07 Mar 2020 IA-7 N AI			07 Mar 2020 IA-8 N AI			07 Mar 2020 IA-9 N AI			07 Mar 2020 OA-1 N AO			07 Mar 2020 OA-2 N AO		
		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Chloromethane	ug/m3	1.1		1	1.5		1	1.5		1	1.1		1	1.3		1	1.1		1	1.1		1	1.2		1	1.2		1
cis-1,2-Dichloroethylene	ug/m3	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2
cis-1,3-Dichloropropene	ug/m3	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91
Cyclohexane	ug/m3	1.4		0.69	0.72		0.69	0.99		0.69	3.6		0.69	0.48	J	0.69	0.48	J	0.69	2.4		0.69	< 0.69	U	0.69	< 0.69	U	0.69
Dibromochloromethane	ug/m3	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Dichlorodifluoromethane	ug/m3	3		2.5	2.9		2.5	3.1		2.5	1.9	J	2.5	3.1		2.5	2.5		2.5	1.9	J	2.5	2.1	J	2.5	2.3	J	2.5
Ethanol	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethyl acetate	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/m3	4.4		0.87	2		0.87	2.2		0.87	12		0.87	2.4		0.87	0.98		0.87	3		0.87	< 0.87	U	0.87	< 0.87	U	0.87
Heptane	ug/m3	2.8		0.82	2.1		0.82	2.8		0.82	21		0.82	1.5		0.82	1.6		0.82	4.8		0.82	< 0.82	U	0.82	< 0.82	U	0.82
Hexachlorobutadiene	ug/m3	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1	< 2.1	U	2.1
Hexane	ug/m3	4.1		0.7	2.7		0.7	3.3		0.7	8.9		0.7	1.4		0.7	1.4		0.7	9		0.7	< 0.7	U	0.7	< 0.7	U	0.7
Isopropylbenzene	ug/m3	0.26	J	0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.69	J	0.98	< 0.98	U	0.98	< 0.98	U	0.98	0.18	J	0.98	< 0.98	U	0.98	< 0.98	U	0.98
m,p-Xylene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
m/p-Xylene	ug/m3	17		2.2	7		2.2	8.3		2.2	22		2.2	6.9		2.2	2.7		2.2	9.8		2.2	< 2.2	U	2.2	< 2.2	U	2.2
Methyl methacrylate	ug/m3	1.5	J	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2
Methyl tert-butyl ether	ug/m3	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72	< 0.72	U	0.72
Methylene chloride	ug/m3	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7	< 1.7	U	1.7
Naphthalene	ug/m3	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6	< 2.6	U	2.6
n-Butylbenzene	ug/m3	< 1.1	U	1.1	0.25	J	1.1	< 1.1	U	1.1	0.55	J	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
o-Xylene	ug/m3	4.6		0.87	2.5		0.87	3		0.87	7.4		0.87	1.6		0.87	0.85	J	0.87	2.6		0.87	< 0.87	U	0.87	< 0.87	U	0.87
Propene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Propylbenzene	ug/m3	0.59	J	0.98	0.38	J	0.98	0.36	J	0.98	2.4		0.98	0.26	J	0.98	0.19	J	0.98	0.62	J	0.98	< 0.98	U	0.98	< 0.98	U	0.98
sec-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	0.27	J	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
Styrene	ug/m3	0.55	J	0.85	< 0.85	U	0.85	< 0.85	U	0.85	0.65	J	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85	< 0.85	U	0.85
tert-Butyl alcohol	ug/m3	0.81	J	15	0.38	J	15	0.48	J	15	1	J	15	0.28	J	15	0.29	J	15	0.31	J	15	< 15	U	15	0.38	J	15
tert-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1	< 1.1	U	1.1
Tetrachloroethylene	ug/m3	1.1	J	1.4	1.3	J	1.4	1.6		1.4	27		1.4	1.8		1.4	1.9		1.4	1.5		1.4	< 1.4	U	1.4	< 1.4	U	1.4
Tetrahydrofuran	ug/m3	32		15	1.6	J	15	< 15	U	15	11	J	15	2	J	15	< 15	U	15	8.6	J	15	< 15	U	15	2.6	J	15
Toluene	ug/m3	18		0.75	7.5		0.75	8.6		0.75	26		0.75	6.2		0.75	3.8		0.75	18		0.75	< 0.75	U	0.75	< 0.75	U	0.75
trans-1,2-Dichloroethylene	ug/m3	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79	< 0.79	U	0.79
trans-1,3-Dichloropropene	ug/m3	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91	< 0.91	U	0.91
Trichloroethylene	ug/m3	0.19		0.19	0.3		0.19	0.25		0.19	3.6		0.19	0.42		0.19	0.42		0.19	< 0.19	U	0.19	< 0.19	U	0.19	< 0.19	U	0.19
Trichlorofluoromethane	ug/m3	2.3		1.1	1.6		1.1	1.9		1.1	1.2		1.1	1.8		1.1	1.6		1.1	1.3		1.1	1.2		1.1	1.2		1.1
Vinyl chloride	ug/m3	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	0.24		0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2

Notes and Abbreviations:

N = normal sample
FD = field duplicate
NA = not analyzed
ug/m3 = microgram per cubic meter
RL = reporting limit

AE = et
AI = in
AO = a
AS = st
Qual =

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		07 Mar 2020 OA-2 FD AO			07 Mar 2020 OA-3 N AO			21 Mar 2020 BLOWER UNIT 1 N AE			21 Mar 2020 BLOWER UNIT 2 N AE			21 Mar 2020 BLOWER UNIT 3 N AE			21 Mar 2020 BLOWER UNIT 3 FD AE			21 Mar 2020 EW-1 N AS			21 Mar 2020 EW-2 N AS			21 Mar 2020 EW-3 N AS		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Chloromethane	ug/m3	1.1		1	1.1		1	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.33		1.00	< 1.00	U	1.00	< 1.00	U	1.00
cis-1,2-Dichloroethylene	ug/m3	< 0.2	U	0.2	< 0.2	U	0.2	0.48		0.20	153		1.00	0.52		0.20	0.59		0.20	< 0.20	U	0.20	39.6		0.20	325		1.00
cis-1,3-Dichloropropene	ug/m3	< 0.91	U	0.91	< 0.91	U	0.91	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Cyclohexane	ug/m3	< 0.69	U	0.69	< 0.69	U	0.69	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Dibromochloromethane	ug/m3	< 1.7	U	1.7	< 1.7	U	1.7	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Dichlorodifluoromethane	ug/m3	2.5		2.5	2.4	J	2.5	1.99		1.00	3.00		1.00	4.33		1.00	4.40		1.00	2.86		1.00	3.45		1.00	2.84		1.00
Ethanol	ug/m3	NA			NA			21.5	J	1.00	7.97	J	1.00	NA			NA			NA			10.6	J	1.00	12.9	J	1.00
Ethyl acetate	ug/m3	NA			NA			< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Ethylbenzene	ug/m3	< 0.87	U	0.87	< 0.87	U	0.87	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.15		1.00
Heptane	ug/m3	< 0.82	U	0.82	< 0.82	U	0.82	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.73		1.00	< 1.00	U	1.00	1.04		1.00
Hexachlorobutadiene	ug/m3	< 2.1	U	2.1	< 2.1	U	2.1	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Hexane	ug/m3	< 0.7	U	0.7	< 0.7	U	0.7	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	18.6		1.00	1.10		1.00	1.75		1.00
Isopropylbenzene	ug/m3	< 0.98	U	0.98	< 0.98	U	0.98	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
m,p-Xylene	ug/m3	NA			NA			< 1.00	U	1.00	1.51		1.00	1.14		1.00	< 1.00	U	1.00	2.16		1.00	1.22		1.00	4.38		1.00
m/p-Xylene	ug/m3	< 2.2	U	2.2	< 2.2	U	2.2	NA			NA			NA			NA			NA			NA			NA		
Methyl methacrylate	ug/m3	< 2	U	2	< 2	U	2	NA			NA			NA			NA			NA			NA			NA		
Methyl tert-butyl ether	ug/m3	< 0.72	U	0.72	< 0.72	U	0.72	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Methylene chloride	ug/m3	< 1.7	U	1.7	< 1.7	U	1.7	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00
Naphthalene	ug/m3	< 2.6	U	2.6	< 2.6	U	2.6	NA			NA			NA			NA			NA			NA			NA		
n-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	UJ	1.00
o-Xylene	ug/m3	0.24	U	0.87	0.25	U	0.87	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.31		1.00
Propene	ug/m3	NA			NA			< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Propylbenzene	ug/m3	< 0.98	U	0.98	< 0.98	U	0.98	NA			NA			NA			NA			NA			NA			NA		
sec-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Styrene	ug/m3	< 0.85	U	0.85	< 0.85	U	0.85	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
tert-Butyl alcohol	ug/m3	< 15	U	15	< 15	U	15	NA			NA			NA			NA			NA			NA			NA		
tert-Butylbenzene	ug/m3	< 1.1	U	1.1	< 1.1	U	1.1	NA			NA			NA			NA			NA			NA			NA		
Tetrachloroethylene	ug/m3	< 1.4	U	1.4	< 1.4	U	1.4	0.32		0.25	1.84		0.25	4.69		0.25	2.43		0.25	< 0.25	U	0.25	1.69		0.25	2.21		0.25
Tetrahydrofuran	ug/m3	< 15	U	15	< 15	U	15	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.80		1.00	< 1.00	U	1.00	< 1.00	U	1.00
Toluene	ug/m3	< 0.75	U	0.75	< 0.75	U	0.75	< 1.00	U	1.00	1.53		1.00	1.42		1.00	1.32		1.00	6.85		1.00	2.00		1.00	6.03		1.00
trans-1,2-Dichloroethylene	ug/m3	< 0.79	U	0.79	< 0.79	U	0.79	< 1.00	U	1.00	1.10		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
trans-1,3-Dichloropropene	ug/m3	< 0.91	U	0.91	< 0.91	U	0.91	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Trichloroethylene	ug/m3	< 0.19	U	0.19	< 0.19	U	0.19	1.65		0.20	85.9		0.20	12.5		0.20	12.5		0.20	< 0.20	U	0.20	135		0.20	128		0.20
Trichlorofluoromethane	ug/m3	1.3		1.1	1.3		1.1	1.28		1.00	2.11		1.00	4.85		1.00	5.06		1.00	1.65		1.00	2.53		1.00	1.68		1.00
Vinyl chloride	ug/m3	< 0.2	U	0.2	< 0.2	U	0.2	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	1.35		0.20	< 0.20	U	0.20

Notes and Abbreviations:

N = normal sample
FD = field duplicate
NA = not analyzed
ug/m3 = microgram per cubic meter
RL = reporting limit

AE = et
AI = in
AO = a
AS = sl
Qual =

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		21 Mar 2020 EW-4 N AS			21 Mar 2020 EW-5 N AS			21 Mar 2020 EW-5 FD AS			21 Mar 2020 EW-6 N AS			21 Mar 2020 EW-7 N AS			21 Mar 2020 EW-8 N AS			21 Mar 2020 IA-1 N AI			21 Mar 2020 IA-10 N AI			21 Mar 2020 IA-2 N AI		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Volatile Organic Compounds																												
1,1,1,2-Tetrachloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,1-Trichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,2,2-Tetrachloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,2-Trichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1-Dichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1-Dichloroethylene	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20
1,2,4-Trichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2,4-Trimethylbenzene	ug/m3	1.20		1.00	< 1.00	U	1.00	< 1.00	U	1.00	5.21		1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.23		1.00	1.57		1.00	1.02		1.00
1,2-Dichloroethane (EDB)	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichloropropane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,3,5-Trimethylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.61		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,3-Butadiene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,3-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,4-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,4-Dioxane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
2,2,4-Trimethylpentane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/m3	8.08		1.00	< 1.00	U	1.00	< 1.00	U	1.00	2.75		1.00	2.34		1.00	3.54		1.00	3.83		1.00	2.57		1.00	4.75		1.00
2-Chlorotoluene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
2-Propanol	ug/m3	10.5		1.00	1.52		1.00	1.17		1.00	17.6		1.00	46.4		1.00	89.7		1.00	91.9		1.00	57.2		1.00	75.7		1.00
4-Ethyltoluene	ug/m3	1.04		1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.51		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.44		1.00	< 1.00	U	1.00
4-Isopropyltoluene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
4-Methyl-2-pentanone	ug/m3	1.81		1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.49		1.00	1.75		1.00	2.48		1.00	3.59		1.00	2.82		1.00	3.38		1.00
Acetone	ug/m3	22.2		1.00	3.47		1.00	1.45		1.00	85.0		1.00	24.7		1.00	36.3		1.00	34.2		1.00	26.1		1.00	29.9		1.00
Acrylonitrile	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Allyl chloride	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.55		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.01		1.00	< 1.00	U	1.00
Benzyl chloride	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Bromodichloromethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Bromoethylene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromoform	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Bromomethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Butane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon disulfide	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Carbon tetrachloride	ug/m3	0.51		0.20	0.45		0.20	0.60		0.20	0.82		0.20	0.40		0.20	0.38		0.20	0.38		0.20	0.52		0.20	0.41		0.20
Chlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Chlorodifluoromethane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Chloroform	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		21 Mar 2020 EW-4 N AS			21 Mar 2020 EW-5 N AS			21 Mar 2020 EW-5 FD AS			21 Mar 2020 EW-6 N AS			21 Mar 2020 EW-7 N AS			21 Mar 2020 EW-8 N AS			21 Mar 2020 IA-1 N AI			21 Mar 2020 IA-10 N AI			21 Mar 2020 IA-2 N AI		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Chloromethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.02		1.00	1.18		1.00	1.52		1.00	1.44		1.00	1.03		1.00	1.36		1.00
cis-1,2-Dichloroethylene	ug/m3	4.52		0.20	1.70		0.20	1.62		0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20
cis-1,3-Dichloropropene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Cyclohexane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.79		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Dibromochloromethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Dichlorodifluoromethane	ug/m3	3.23		1.00	3.18		1.00	3.27		1.00	2.33		1.00	3.08		1.00	3.51		1.00	3.02		1.00	3.06		1.00	3.16		1.00
Ethanol	ug/m3	67.8	J	1.00	19.4	J	1.00	14.7	J	1.00	NA			NA			NA			NA			NA			NA		
Ethyl acetate	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Ethylbenzene	ug/m3	1.93		1.00	< 1.00	U	1.00	< 1.00	U	1.00	6.25		1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.47		1.00	1.53		1.00	1.11		1.00
Heptane	ug/m3	1.04		1.00	< 1.00	U	1.00	< 1.00	U	1.00	6.43		1.00	1.26		1.00	1.53		1.00	2.16		1.00	1.70		1.00	1.80		1.00
Hexachlorobutadiene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Hexane	ug/m3	1.73		1.00	< 1.00	U	1.00	< 1.00	U	1.00	6.97		1.00	1.94		1.00	20.7		1.00	3.59		1.00	1.82		1.00	2.72		1.00
Isopropylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
m,p-Xylene	ug/m3	7.42		1.00	< 1.00	U	1.00	< 1.00	U	1.00	11.5		1.00	3.13		1.00	1.67		1.00	4.86		1.00	4.86		1.00	3.61		1.00
m/p-Xylene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl methacrylate	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-butyl ether	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Methylene chloride	ug/m3	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00
Naphthalene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
n-Butylbenzene	ug/m3	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	U	1.00	< 1.00	UJ	1.00	< 1.00	U	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00
o-Xylene	ug/m3	2.21		1.00	< 1.00	U	1.00	< 1.00	U	1.00	3.89		1.00	1.02		1.00	< 1.00	U	1.00	1.42		1.00	1.63		1.00	1.04		1.00
Propene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Propylbenzene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
sec-Butylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Styrene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
tert-Butyl alcohol	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
tert-Butylbenzene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Tetrachloroethylene	ug/m3	1.40		0.25	1.19		0.25	2.33		0.25	14.4		0.25	0.39		0.25	0.27		0.25	0.31		0.25	0.52		0.25	0.33		0.25
Tetrahydrofuran	ug/m3	4.30		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.43		1.00	1.65		1.00	2.41		1.00
Toluene	ug/m3	5.95		1.00	< 1.00	U	1.00	< 1.00	U	1.00	15.1		1.00	4.41		1.00	5.27		1.00	7.91		1.00	6.74		1.00	6.03		1.00
trans-1,2-Dichloroethylene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
trans-1,3-Dichloropropene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Trichloroethylene	ug/m3	32.1		0.20	41.6		0.20	46.5		0.20	10.7		0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	0.21		0.20	< 0.20	U	0.20
Trichlorofluoromethane	ug/m3	2.56		1.00	1.67		1.00	1.67		1.00	1.38		1.00	1.73		1.00	2.03		1.00	1.67		1.00	1.63		1.00	1.75		1.00
Vinyl chloride	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20

Notes and Abbreviations:

N = normal sample
FD = field duplicate
NA = not analyzed
ug/m3 = microgram per cubic meter
RL = reporting limit

AE = et
AI = in
AO = a
AS = sl
Qual =

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		21 Mar 2020 IA-3 N AI			21 Mar 2020 IA-4 N AI			21 Mar 2020 IA-5 N AI			21 Mar 2020 IA-5 FD AI			21 Mar 2020 IA-6 N AI			21 Mar 2020 IA-7 N AI			21 Mar 2020 IA-8 N AI			21 Mar 2020 IA-9 N AI			21 Mar 2020 OA-1 N AO		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Volatile Organic Compounds																												
1,1,1,2-Tetrachloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,1-Trichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,2,2-Tetrachloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,2-Trichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1-Dichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1-Dichloroethylene	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20
1,2,4-Trichlorobenzene	ug/m3	< 1.00	UJ	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	UJ	1.00
1,2,4-Trimethylbenzene	ug/m3	1.93		1.00	2.75		1.00	2.17		1.00	1.17		1.00	5.90		1.00	< 1.00	U	1.00	1.13		1.00	4.68		1.00	< 1.00	U	1.00
1,2-Dichloroethane (EDB)	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichloroethane	ug/m3	< 1.00	U	1.00	1.34		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichloropropane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,3,5-Trimethylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.58		1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.15		1.00	< 1.00	U	1.00
1,3-Butadiene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,3-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,4-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,4-Dioxane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
2,2,4-Trimethylpentane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/m3	2.67		1.00	13.7		1.00	3.36		1.00	2.14		1.00	2.60		1.00	2.71		1.00	2.01		1.00	2.20		1.00	< 1.00	U	1.00
2-Chlorotoluene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
2-Propanol	ug/m3	42.3		1.00	37.8		1.00	45.2		1.00	26.0		1.00	26.0		1.00	68.5		1.00	45.4		1.00	41.5		1.00	< 1.00	U	1.00
4-Ethyltoluene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.14		1.00	1.46		1.00	< 1.00	U	1.00	1.04		1.00	4.44		1.00	< 1.00	U	1.00
4-Isopropyltoluene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
4-Methyl-2-pentanone	ug/m3	5.85		1.00	3.66		1.00	4.75		1.00	2.38		1.00	1.60		1.00	2.17		1.00	1.92		1.00	< 1.00	U	1.00	< 1.00	U	1.00
Acetone	ug/m3	< 1.00	U	1.00	47.2		1.00	36.6		1.00	24.5		1.00	NA		1.00	29.0		1.00	25.2		1.00	29.2		1.00	2.99		1.00
Acrylonitrile	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Allyl chloride	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzene	ug/m3	1.54		1.00	1.24		1.00	1.17		1.00	< 1.00	U	1.00	1.78		1.00	< 1.00	U	1.00	< 1.00	U	1.00	2.81		1.00	< 1.00	U	1.00
Benzyl chloride	ug/m3	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	U	1.00
Bromodichloromethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Bromoethylene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromoform	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Bromomethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Butane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon disulfide	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Carbon tetrachloride	ug/m3	0.38		0.20	0.50		0.20	0.39		0.20	0.41		0.20	0.40		0.20	0.42		0.20	0.50		0.20	0.52		0.20	0.35		0.20
Chlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Chlorodifluoromethane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Chloroform	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		21 Mar 2020 IA-3 N AI			21 Mar 2020 IA-4 N AI			21 Mar 2020 IA-5 N AI			21 Mar 2020 IA-5 FD AI			21 Mar 2020 IA-6 N AI			21 Mar 2020 IA-7 N AI			21 Mar 2020 IA-8 N AI			21 Mar 2020 IA-9 N AI			21 Mar 2020 OA-1 N AO		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Chloromethane	ug/m3	1.40		1.00	1.05		1.00	1.33		1.00	1.21		1.00	1.21		1.00	1.39		1.00	1.04		1.00	1.01		1.00	1.18		1.00
cis-1,2-Dichloroethylene	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20
cis-1,3-Dichloropropene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Cyclohexane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	2.47		1.00	< 1.00	U	1.00
Dibromochloromethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Dichlorodifluoromethane	ug/m3	2.51		1.00	2.93		1.00	3.68		1.00	3.11		1.00	2.35		1.00	3.54		1.00	2.87		1.00	2.29		1.00	2.16		1.00
Ethanol	ug/m3	72.7	J	1.00	NA			NA			NA			NA			NA			NA			NA			3.50	J	1.00
Ethyl acetate	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Ethylbenzene	ug/m3	3.55		1.00	4.17		1.00	2.18		1.00	1.31		1.00	8.98		1.00	< 1.00	U	1.00	1.12		1.00	3.98		1.00	< 1.00	U	1.00
Heptane	ug/m3	3.32		1.00	2.11		1.00	2.52		1.00	1.74		1.00	8.23		1.00	1.38		1.00	1.31		1.00	4.51		1.00	< 1.00	U	1.00
Hexachlorobutadiene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Hexane	ug/m3	5.88		1.00	2.69		1.00	4.26		1.00	4.58		1.00	7.43		1.00	2.18		1.00	2.40		1.00	6.38		1.00	< 1.00	U	1.00
Isopropylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
m,p-Xylene	ug/m3	14.1		1.00	16.1		1.00	9.03		1.00	5.03		1.00	14.5		1.00	3.11		1.00	3.58		1.00	11.2		1.00	< 1.00	U	1.00
m/p-Xylene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl methacrylate	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-butyl ether	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Methylene chloride	ug/m3	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	8.26		3.00	< 3.00	U	3.00	< 3.00	U	3.00	3.82		3.00	< 3.00	U	3.00	< 3.00	U	3.00
Naphthalene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
n-Butylbenzene	ug/m3	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	U	1.00
o-Xylene	ug/m3	3.67		1.00	4.73		1.00	3.21		1.00	1.89		1.00	4.43		1.00	< 1.00	U	1.00	1.19		1.00	3.56		1.00	< 1.00	U	1.00
Propene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Propylbenzene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
sec-Butylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Styrene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
tert-Butyl alcohol	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
tert-Butylbenzene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Tetrachloroethylene	ug/m3	0.29		0.25	0.65		0.25	0.55		0.25	0.41		0.25	5.61		0.25	0.39		0.25	0.93		0.25	1.87		0.25	< 0.25	U	0.25
Tetrahydrofuran	ug/m3	< 1.00	U	1.00	7.31		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.18		1.00	< 1.00	U	1.00	< 1.00	U	1.00
Toluene	ug/m3	15.6		1.00	12.5		1.00	9.45		1.00	5.42		1.00	18.5		1.00	4.44		1.00	5.05		1.00	17.2		1.00	< 1.00	U	1.00
trans-1,2-Dichloroethylene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
trans-1,3-Dichloropropene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Trichloroethylene	ug/m3	0.23		0.20	0.54		0.20	< 0.20	U	0.20	< 0.20	U	0.20	3.22		0.20	< 0.20	U	0.20	0.35		0.20	0.97		0.20	< 0.20	U	0.20
Trichlorofluoromethane	ug/m3	1.45		1.00	2.48		1.00	1.85		1.00	1.63		1.00	1.34		1.00	1.99		1.00	1.59		1.00	1.35		1.00	1.22		1.00
Vinyl chloride	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20

Notes and Abbreviations:

N = normal sample
FD = field duplicate
NA = not analyzed
ug/m3 = microgram per cubic meter
RL = reporting limit

AE = et
AI = in
AO = a
AS = sl
Qual =

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		21 Mar 2020 OA-2 N AO			21 Mar 2020 OA-2 FD AO			21 Mar 2020 OA-3 N AO			31 May 2020 BLOWER UNIT 1 N AE			31 May 2020 BLOWER UNIT 2 N AE			31 May 2020 BLOWER UNIT 3 N AE			31 May 2020 BLOWER UNIT 3 FD AE			31 May 2020 EW-1 N AS			31 May 2020 EW-2 N AS		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Volatile Organic Compounds																												
1,1,1,2-Tetrachloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,1-Trichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	11.8		1.00	10.6		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	7.09		1.00
1,1,2,2-Tetrachloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,2-Trichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1-Dichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	4.81		1.00	5.22		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	3.62		1.00
1,1-Dichloroethylene	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	0.47		0.20	0.54		0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	0.28		0.20
1,2,4-Trichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2,4-Trimethylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichloroethane (EDB)	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichloropropane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,3,5-Trimethylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,3-Butadiene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,3-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,4-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,4-Dioxane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
2,2,4-Trimethylpentane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/m3	1.36		1.00	< 1.00	U	1.00	< 1.00	U	1.00	3.30		1.00	3.98		1.00	7.60		1.00	7.43		1.00	< 1.00	U	1.00	< 1.00	U	1.00
2-Chlorotoluene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.88		1.00	2.33		1.00	2.27		1.00	< 1.00	U	1.00	< 1.00	U	1.00
2-Propanol	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	1.41		1.00	4.77		1.00	6.46		1.00	5.82		1.00	5.65		1.00	2.90		1.00	1.03		1.00
4-Ethyltoluene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
4-Isopropyltoluene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
4-Methyl-2-pentanone	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.22		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Acetone	ug/m3	8.07		1.00	3.18		1.00	5.18		1.00	187		20.0	186		5.01	893		29.9	878		29.9	5.65		1.00	4.82		1.00
Acrylonitrile	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Allyl chloride	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Benzyl chloride	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Bromodichloromethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Bromoethylene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromoform	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Bromomethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Butane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon disulfide	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Carbon tetrachloride	ug/m3	0.34		0.20	0.36		0.20	0.38		0.20	6.85		0.20	6.73		0.20	0.57		0.20	0.57		0.20	0.52		0.20	4.51		0.20
Chlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Chlorodifluoromethane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Chloroform	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	12.7		1.00	13.3		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	8.83		1.00

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		21 Mar 2020 OA-2 N AO			21 Mar 2020 OA-2 FD AO			21 Mar 2020 OA-3 N AO			31 May 2020 BLOWER UNIT 1 N AE			31 May 2020 BLOWER UNIT 2 N AE			31 May 2020 BLOWER UNIT 3 N AE			31 May 2020 BLOWER UNIT 3 FD AE			31 May 2020 EW-1 N AS			31 May 2020 EW-2 N AS		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Chloromethane	ug/m3	1.22		1.00	1.19		1.00	1.24		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
cis-1,2-Dichloroethylene	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	20.4		0.20	22.5		0.20	0.45		0.20	0.42		0.20	1.02		0.20	15.7		0.20
cis-1,3-Dichloropropene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Cyclohexane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.50		1.00	< 1.00	U	1.00	1.28		1.00	1.36		1.00	< 1.00	U	1.00	< 1.00	U	1.00
Dibromochloromethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Dichlorodifluoromethane	ug/m3	2.31		1.00	2.14		1.00	2.23		1.00	3.94		1.00	2.18		1.00	3.96		1.00	4.06		1.00	2.03		1.00	1.72		1.00
Ethanol	ug/m3	3.82	J	1.00	3.67	J	1.00	7.32	J	1.00	28.8		1.00	28.1		1.00	47.8		1.00	46.9		1.00	25.6		1.00	10.1		1.00
Ethyl acetate	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Ethylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.01		1.00	1.20		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Heptane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.29		1.00	1.84		1.00	1.06		1.00	1.14		1.00	< 1.00	U	1.00	< 1.00	U	1.00
Hexachlorobutadiene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Hexane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Isopropylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
m,p-Xylene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	2.20		1.00	2.46		1.00	1.43		1.00	1.40		1.00	1.24		1.00	< 1.00	U	1.00
m/p-Xylene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl methacrylate	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-butyl ether	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Methylene chloride	ug/m3	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00
Naphthalene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
n-Butylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
o-Xylene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Propene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	9.27		1.00	9.77		1.00	< 1.00	U	1.00	< 1.00	U	1.00
Propylbenzene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
sec-Butylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Styrene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
tert-Butyl alcohol	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
tert-Butylbenzene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Tetrachloroethylene	ug/m3	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25	5.59		0.25	5.86		0.25	0.47		0.25	0.50		0.25	0.87		0.25	3.24		0.25
Tetrahydrofuran	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Toluene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	2.50		1.00	2.92		1.00	1.31		1.00	1.26		1.00	1.57		1.00	1.39		1.00
trans-1,2-Dichloroethylene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
trans-1,3-Dichloropropene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Trichloroethylene	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	108		0.20	105		0.20	10.6		0.20	10.4		0.20	17.0		0.20	65.0		0.20
Trichlorofluoromethane	ug/m3	1.30		1.00	1.27		1.00	1.35		1.00	2.45		1.00	2.81		1.00	5.35		1.00	5.44		1.00	1.68		1.00	1.95		1.00
Vinyl chloride	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	0.21		0.20	0.24		0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20

Notes and Abbreviations:

N = normal sample
FD = field duplicate
NA = not analyzed
ug/m3 = microgram per cubic meter
RL = reporting limit

AE = et
AI = in
AO = a
AS = sl
Qual =

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		31 May 2020 EW-3 N AS			31 May 2020 EW-4 N AS			31 May 2020 EW-5 N AS			31 May 2020 EW-5 FD AS			31 May 2020 EW-6 N AS			31 May 2020 EW-7 N AS			31 May 2020 EW-8 N AS			31 May 2020 IA-1 N AI			31 May 2020 IA-10 N AI			
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	
Volatile Organic Compounds																													
1,1,1,2-Tetrachloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
1,1,1-Trichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
1,1,2,2-Tetrachloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
1,1,2-Trichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
1,1-Dichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
1,1-Dichloroethylene	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20		0.20	< 0.20	U	0.20	0.26		0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	
1,2,4-Trichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
1,2,4-Trimethylbenzene	ug/m3	4.96			1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	2.36		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dibromoethane (EDB)	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
1,2-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
1,2-Dichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
1,2-Dichloropropane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
1,3,5-Trimethylbenzene	ug/m3	1.41			1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,3-Butadiene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
1,3-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
1,4-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
1,4-Dioxane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
2,2,4-Trimethylpentane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA			
2-Butanone	ug/m3	5.01			1.00	3.63		1.00	< 1.00		1.00	< 1.00	U	1.00	2.38		1.00	< 1.00	U	1.00	1.06		1.00	< 1.00	U	1.00	< 1.00	U	1.00
2-Chlorotoluene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA			
2-Hexanone	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
2-Propanol	ug/m3	13.9			1.00	4.25		1.00	1.93		1.00	1.35		1.00	10.6		1.00	3.37		1.00	6.73		1.00	4.59		1.00	5.36		1.00
4-Ethyltoluene	ug/m3	4.55			1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	2.06		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
4-Isopropyltoluene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
4-Methyl-2-pentanone	ug/m3	20.7			1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Acetone	ug/m3	31.6			1.00	12.4		1.00	2.97		1.00	3.06		1.00	35.4		1.00	9.04		1.00	12.9		1.00	9.21		1.00	8.81		1.00
Acrylonitrile	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
Allyl chloride	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Benzene	ug/m3	3.45	J		1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Benzyl chloride	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
Bromodichloromethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
Bromoethylene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Bromoform	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
Bromomethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
Butane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Carbon disulfide	ug/m3	< 1.00	UJ		1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00
Carbon tetrachloride	ug/m3	0.48			0.20	0.50		0.20	0.57		0.20	0.60		0.20	1.74		0.20	0.52		0.20	0.51		0.20	0.53		0.20	0.50		0.20
Chlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
Chlorodifluoromethane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA			
Chloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	
Chloroform	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	1.73		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		31 May 2020 EW-3 N AS			31 May 2020 EW-4 N AS			31 May 2020 EW-5 N AS			31 May 2020 EW-5 FD AS			31 May 2020 EW-6 N AS			31 May 2020 EW-7 N AS			31 May 2020 EW-8 N AS			31 May 2020 IA-1 N AI			31 May 2020 IA-10 N AI		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Chloromethane	ug/m3	1.15		1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.41		1.00	1.11		1.00
cis-1,2-Dichloroethylene	ug/m3	< 0.20	U	0.20	7.49		0.20	1.46		0.20	1.48		0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20
cis-1,3-Dichloropropene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Cyclohexane	ug/m3	2.75		1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.27		1.00	< 1.00	U	1.00
Dibromochloromethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Dichlorodifluoromethane	ug/m3	2.27		1.00	2.43		1.00	1.84		1.00	1.90		1.00	1.89		1.00	1.51		1.00	1.25		1.00	3.47		1.00	2.01		1.00
Ethanol	ug/m3	119	J	1.00	30.5		1.00	7.89		1.00	12.1		1.00	70.8		1.00	68.4		1.00	633	J	1.00	81.5	J	1.00	89.4	J	1.00
Ethyl acetate	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Ethylbenzene	ug/m3	5.12		1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	2.98		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Heptane	ug/m3	7.17		1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	2.15		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Hexachlorobutadiene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Hexane	ug/m3	8.67		1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	1.34		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Isopropylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
m,p-Xylene	ug/m3	19.6		1.00	2.99		1.00	1.25		1.00	1.29		1.00	3.88		1.00	2.87		1.00	3.18		1.00	< 1.00	U	1.00	1.17		1.00
m/p-Xylene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl methacrylate	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-butyl ether	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Methylene chloride	ug/m3	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00		3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00
Naphthalene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
n-Butylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
o-Xylene	ug/m3	6.73		1.00	1.10		1.00	< 1.00		1.00	< 1.00	U	1.00	1.24		1.00	1.11		1.00	1.24		1.00	< 1.00	U	1.00	< 1.00	U	1.00
Propene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Propylbenzene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
sec-Butylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Styrene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
tert-Butyl alcohol	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
tert-Butylbenzene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Tetrachloroethylene	ug/m3	1.40		0.25	1.13		0.25	0.86		0.25	0.89		0.25	13.4		0.25	0.35		0.25	< 0.25	U	0.25	0.27		0.25	< 0.25	U	0.25
Tetrahydrofuran	ug/m3	< 1.00	U	1.00	1.98	J	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Toluene	ug/m3	28.3		1.00	2.74		1.00	1.68		1.00	1.31		1.00	5.16		1.00	3.68		1.00	4.29		1.00	1.30		1.00	1.95		1.00
trans-1,2-Dichloroethylene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
trans-1,3-Dichloropropene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Trichloroethylene	ug/m3	1.42		0.20	50.4		0.20	40.5		0.20	40.7		0.20	35.0		0.20	2.03		0.20	0.39		0.20	< 0.20	U	0.20	< 0.20	U	0.20
Trichlorofluoromethane	ug/m3	2.64		1.00	5.14		1.00	1.76		1.00	1.82		1.00	1.56		1.00	7.07		1.00	5.36		1.00	1.45		1.00	1.50		1.00
Vinyl chloride	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20		0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20

Notes and Abbreviations:

N = normal sample
FD = field duplicate
NA = not analyzed
ug/m3 = microgram per cubic meter
RL = reporting limit

AE = et
AI = in
AO = a
AS = sl
Qual =

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		31 May 2020 IA-2 N AI			31 May 2020 IA-3 N AI			31 May 2020 IA-4 N AI			31 May 2020 IA-5 N AI			31 May 2020 IA-5 FD AI			31 May 2020 IA-6 N AI			31 May 2020 IA-7 N AI			31 May 2020 IA-8 N AI			31 May 2020 IA-9 N AI		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Volatile Organic Compounds																												
1,1,1,2-Tetrachloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,1-Trichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,2,2-Tetrachloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,2-Trichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1-Dichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1-Dichloroethylene	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20
1,2,4-Trichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2,4-Trimethylbenzene	ug/m3	< 1.00	U	1.00	4.04		1.00	2.69		1.00	< 1.00	U	1.00	< 1.00	U	1.00	6.88		1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.37		1.00
1,2-Dichloroethane (EDB)	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichloropropane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,3,5-Trimethylbenzene	ug/m3	< 1.00	U	1.00	1.03		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.65		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,3-Butadiene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,3-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,4-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,4-Dioxane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
2,2,4-Trimethylpentane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Butanone	ug/m3	4.89		1.00	4.30		1.00	19.1		1.00	< 1.00	U	1.00	1.01		1.00	3.63		1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.36		1.00
2-Chlorotoluene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
2-Propanol	ug/m3	5.50		1.00	8.87		1.00	22.6		1.00	5.87		1.00	6.34		1.00	22.1		1.00	5.38		1.00	3.27		1.00	6.17		1.00
4-Ethyltoluene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.79		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
4-Isopropyltoluene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
4-Methyl-2-pentanone	ug/m3	4.00		1.00	18.2		1.00	8.60		1.00	1.21		1.00	1.16		1.00	3.33		1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.58		1.00
Acetone	ug/m3	18.2		1.00	48.4		1.00	67.4		1.00	9.99		1.00	10.1		1.00	86.9		1.00	9.42		1.00	6.03		1.00	14.4		1.00
Acrylonitrile	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Allyl chloride	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Benzene	ug/m3	< 1.00	U	1.00	4.88	J	1.00	1.24	J	1.00	< 1.00	U	1.00	< 1.00	U	1.00	2.41	J	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Benzyl chloride	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Bromodichloromethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Bromoethylene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Bromoform	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Bromomethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Butane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Carbon disulfide	ug/m3	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00
Carbon tetrachloride	ug/m3	0.53		0.20	0.57		0.20	0.55		0.20	0.54		0.20	0.50		0.20	0.58		0.20	0.52		0.20	0.47		0.20	0.58		0.20
Chlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Chlorodifluoromethane	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Chloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Chloroform	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		31 May 2020 IA-2 N AI			31 May 2020 IA-3 N AI			31 May 2020 IA-4 N AI			31 May 2020 IA-5 N AI			31 May 2020 IA-5 FD AI			31 May 2020 IA-6 N AI			31 May 2020 IA-7 N AI			31 May 2020 IA-8 N AI			31 May 2020 IA-9 N AI		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Chloromethane	ug/m3	1.46		1.00	1.50		1.00	1.66		1.00	1.32		1.00	1.39		1.00	1.53		1.00	1.53		1.00	< 1.00	U	1.00	1.31		1.00
cis-1,2-Dichloroethylene	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20
cis-1,3-Dichloropropene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Cyclohexane	ug/m3	1.37		1.00	3.42		1.00	< 1.00	U	1.00	1.64		1.00	1.39		1.00	3.58		1.00	1.13		1.00	< 1.00	U	1.00	< 1.00	U	1.00
Dibromochloromethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Dichlorodifluoromethane	ug/m3	3.54		1.00	3.69		1.00	4.67		1.00	3.21		1.00	3.29		1.00	3.75		1.00	4.32		1.00	1.59		1.00	3.42		1.00
Ethanol	ug/m3	52.7		1.00	97.9	J	1.00	194	J	1.00	87.7	J	1.00	87.6	J	1.00	228	J	1.00	85.9	J	1.00	65.9		1.00	114	J	1.00
Ethyl acetate	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Ethylbenzene	ug/m3	< 1.00	U	1.00	4.34		1.00	3.53		1.00	< 1.00	U	1.00	< 1.00	U	1.00	12.9		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Heptane	ug/m3	1.20		1.00	6.84		1.00	2.06		1.00	< 1.00	U	1.00	< 1.00	U	1.00	9.99		1.00	< 1.00	U	1.00	< 1.00	U	1.00	1.02		1.00
Hexachlorobutadiene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Hexane	ug/m3	< 1.00	U	1.00	9.23		1.00	2.84		1.00	1.40		1.00	1.29		1.00	6.23		1.00	< 1.00	U	1.00	< 1.00	U	1.00	2.34		1.00
Isopropylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
m,p-Xylene	ug/m3	2.10		1.00	18.3		1.00	16.5		1.00	2.39		1.00	2.38		1.00	15.9		1.00	< 1.00	U	1.00	< 1.00	U	1.00	2.73		1.00
m/p-Xylene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl methacrylate	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-butyl ether	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Methylene chloride	ug/m3	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00
Naphthalene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
n-Butylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
o-Xylene	ug/m3	< 1.00	U	1.00	5.55		1.00	5.16		1.00	< 1.00	U	1.00	< 1.00	U	1.00	4.47		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Propene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Propylbenzene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
sec-Butylbenzene	ug/m3	< 1.00	U	1.00	4.51		1.00	3.00		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Styrene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	1.47		1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
tert-Butyl alcohol	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
tert-Butylbenzene	ug/m3	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Tetrachloroethylene	ug/m3	< 0.25	U	0.25	0.83		0.25	0.44		0.25	< 0.25	U	0.25	< 0.25	U	0.25	4.73		0.25	0.43		0.25	< 0.25	U	0.25	0.27		0.25
Tetrahydrofuran	ug/m3	5.04	J	1.00	3.42	J	1.00	14.8	J	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Toluene	ug/m3	5.05		1.00	26.7		1.00	14.2		1.00	3.67		1.00	3.42		1.00	23.3		1.00	1.21		1.00	< 1.00	U	1.00	7.65		1.00
trans-1,2-Dichloroethylene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
trans-1,3-Dichloropropene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Trichloroethylene	ug/m3	< 0.20	U	0.20	0.79		0.20	0.51		0.20	< 0.20	U	0.20	< 0.20	U	0.20	4.82		0.20	< 0.20	U	0.20	< 0.20	U	0.20	0.21		0.20
Trichlorofluoromethane	ug/m3	1.49		1.00	2.38		1.00	4.81		1.00	1.36		1.00	1.38		1.00	1.59		1.00	1.48		1.00	1.35		1.00	1.45		1.00
Vinyl chloride	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20

Notes and Abbreviations:

N = normal sample
FD = field duplicate
NA = not analyzed
ug/m3 = microgram per cubic meter
RL = reporting limit

AE = et
AI = in
AO = a
AS = sl
Qual =

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Sample Date Location ID Sample Type Matrix		31 May 2020 OA-1 N AO			31 May 2020 OA-2 N AO			31 May 2020 OA-2 FD AO			31 May 2020 OA-3 N AO		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,1-Trichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,2,2-Tetrachloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1,2-Trichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1-Dichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,1-Dichloroethylene	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20
1,2,4-Trichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2,4-Trimethylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dibromoethane (EDB)	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,2-Dichloropropane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,3,5-Trimethylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,3-Butadiene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,3-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,4-Dichlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
1,4-Dioxane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
2,2,4-Trimethylpentane	ug/m3	NA			NA			NA			NA		
2-Butanone	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
2-Chlorotoluene	ug/m3	NA			NA			NA			NA		
2-Hexanone	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
2-Propanol	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	1.17			< 1.00	U	1.00
4-Ethyltoluene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
4-Isopropyltoluene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
4-Methyl-2-pentanone	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Acetone	ug/m3	2.94		1.00	3.09		1.00	3.87		1.00	3.18		1.00
Acrylonitrile	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Allyl chloride	ug/m3	NA			NA			NA			NA		
Benzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Benzyl chloride	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Bromodichloromethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Bromoethylene	ug/m3	NA			NA			NA			NA		
Bromoform	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Bromomethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Butane	ug/m3	NA			NA			NA			NA		
Carbon disulfide	ug/m3	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00	< 1.00	UJ	1.00
Carbon tetrachloride	ug/m3	0.47		0.20	0.48		0.20	0.48		0.20	0.48		0.20
Chlorobenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Chlorodifluoromethane	ug/m3	NA			NA			NA			NA		
Chloroethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Chloroform	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00

Table 4
Historical Air Analytical Summary
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

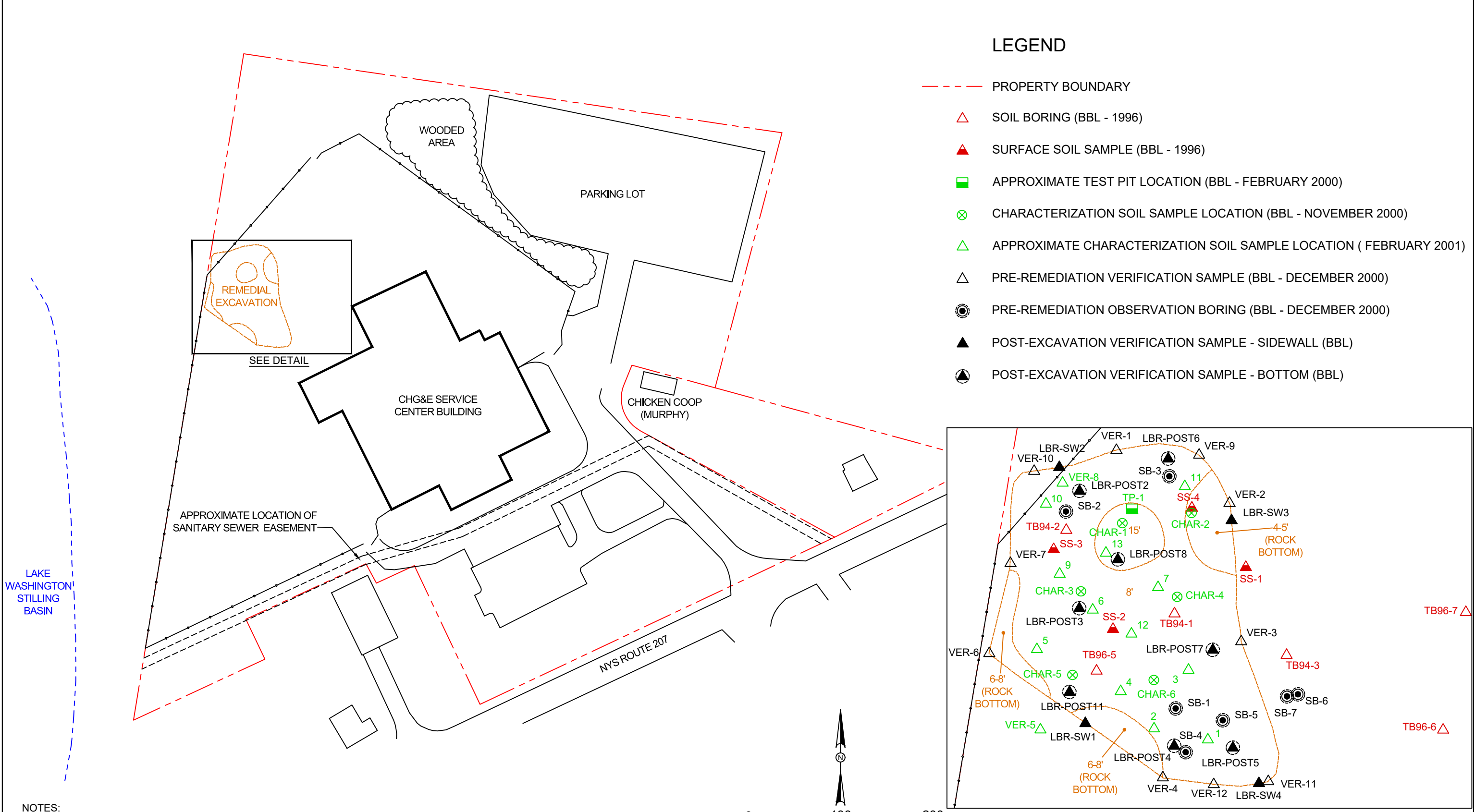
Sample Date Location ID Sample Type Matrix		31 May 2020 OA-1 N AO			31 May 2020 OA-2 N AO			31 May 2020 OA-2 FD AO			31 May 2020 OA-3 N AO		
Analyte	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Chloromethane	ug/m3	< 1.00	U	1.00	1.02		1.00	< 1.00	U	1.00	< 1.00	U	1.00
cis-1,2-Dichloroethylene	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20
cis-1,3-Dichloropropene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Cyclohexane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Dibromochloromethane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Dichlorodifluoromethane	ug/m3	1.39		1.00	1.28		1.00	1.69		1.00	1.35		1.00
Ethanol	ug/m3	2.17		1.00	4.46		1.00	9.58		1.00	1.76		1.00
Ethyl acetate	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Ethylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Heptane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Hexachlorobutadiene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Hexane	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Isopropylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
m,p-Xylene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
m/p-Xylene	ug/m3	NA			NA			NA			NA		
Methyl methacrylate	ug/m3	NA			NA			NA			NA		
Methyl tert-butyl ether	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Methylene chloride	ug/m3	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00	< 3.00	U	3.00
Naphthalene	ug/m3	NA			NA			NA			NA		
n-Butylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
o-Xylene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Propene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Propylbenzene	ug/m3	NA			NA			NA			NA		
sec-Butylbenzene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Styrene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
tert-Butyl alcohol	ug/m3	NA			NA			NA			NA		
tert-Butylbenzene	ug/m3	NA			NA			NA			NA		
Tetrachloroethylene	ug/m3	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25
Tetrahydrofuran	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Toluene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
trans-1,2-Dichloroethylene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
trans-1,3-Dichloropropene	ug/m3	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00	< 1.00	U	1.00
Trichloroethylene	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	0.22		0.20	< 0.20	U	0.20
Trichlorofluoromethane	ug/m3	1.26		1.00	1.27		1.00	1.30		1.00	1.30		1.00
Vinyl chloride	ug/m3	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20	< 0.20	U	0.20

Notes and Abbreviations:

N = normal sample	AE = et
FD = field duplicate	AI = in
NA = not analyzed	AO = a
ug/m3 = microgram per cubic meter	AS = st
RL = reporting limit	Qual =

Appendix B
Historical Sampling Locations

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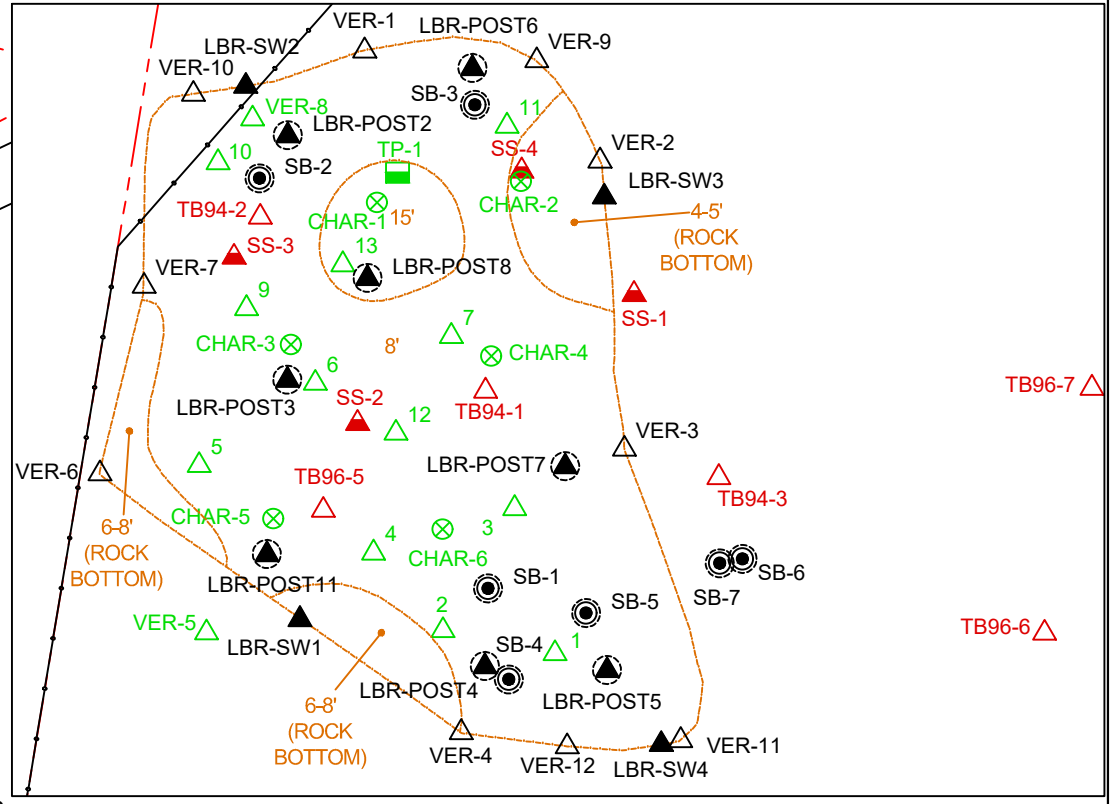
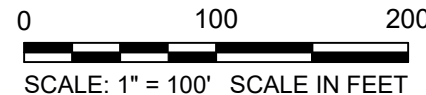
LEGEND

- PROPERTY BOUNDARY
- SOIL BORING (BBL - 1996)
- SURFACE SOIL SAMPLE (BBL - 1996)
- APPROXIMATE TEST PIT LOCATION (BBL - FEBRUARY 2000)
- CHARACTERIZATION SOIL SAMPLE LOCATION (BBL - NOVEMBER 2000)
- APPROXIMATE CHARACTERIZATION SOIL SAMPLE LOCATION (FEBRUARY 2001)
- PRE-REMEDIATION VERIFICATION SAMPLE (BBL - DECEMBER 2000)
- PRE-REMEDIATION OBSERVATION BORING (BBL - DECEMBER 2000)
- POST-EXCAVATION VERIFICATION SAMPLE - SIDEWALL (BBL)
- POST-EXCAVATION VERIFICATION SAMPLE - BOTTOM (BBL)

- NOTES:
- BASE MAP DIGITIZED FROM CHG&E SITE SURVEY BY M. CHAZEN, 10/22/86 AND H2MGROUP DRAWINGS ENTITLED "POTENTIOMETRIC SURFACE OF UPPER BEDROCK AQUIFER 6/28/88" AND "LOCATION MAP", BOTH FROM AUGUST 1988 REPORT.
 - ALL LOCATIONS ARE APPROXIMATE.

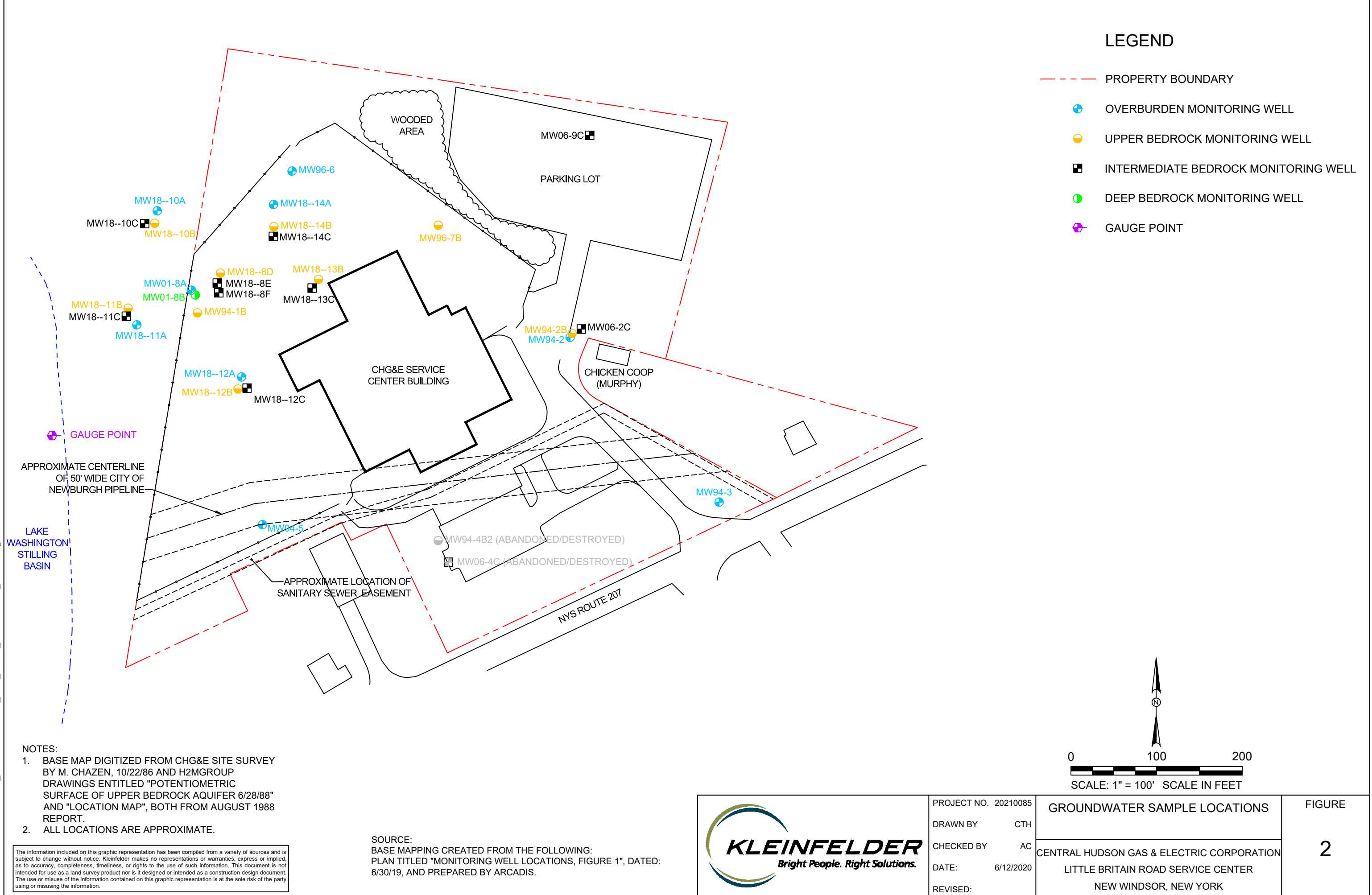
SOURCE:
BASE MAPPING CREATED FROM THE FOLLOWING:
PLAN TITLED "MONITORING WELL LOCATIONS, FIGURE 1", DATED: 6/30/19, AND PREPARED BY ARCADIS.

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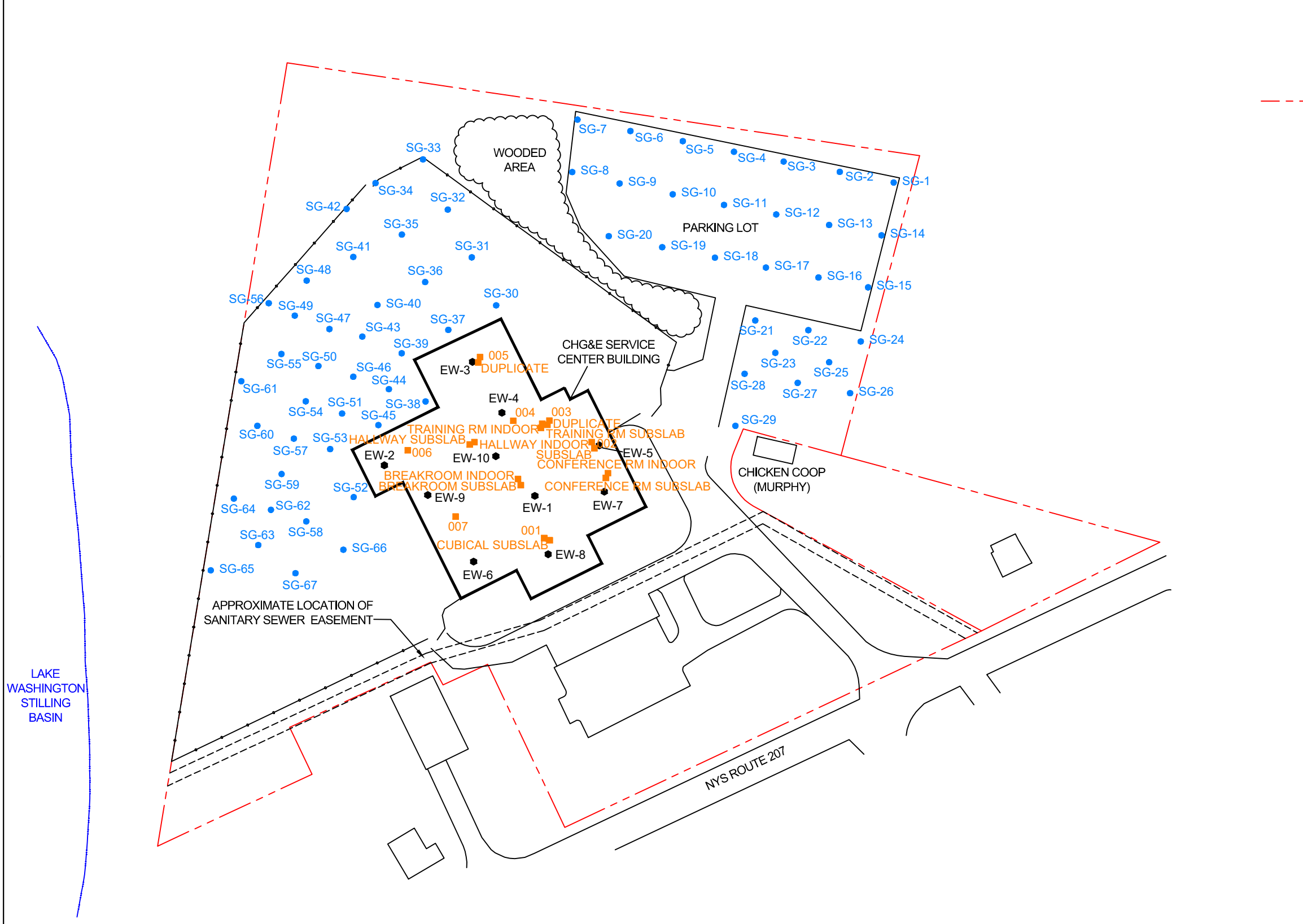


PROJECT NO. 20210085	HISTORICAL SOIL SAMPLE LOCATION PLAN	FIGURE 1
DRAWN BY CTH		
CHECKED BY AC	CENTRAL HUDSON GAS & ELECTRIC CORPORATION LITTLE BRITAIN ROAD SERVICE CENTER NEW WINDSOR, NEW YORK	
DATE: 6/12/2020		
REVISED:		

CAD FILE: Y:\Client\Central_Hudson\20190147_Little_Britain_Rd\20210085_RIWP.dwg PLOTTED: 9/10/2020 8:19 AM BY: chris hait LAYOUT: F2



CAD FILE: \\azrgisstor01\GIS_Projects\Central_Hudson\20190147_Little_Britain_Rd\20210085_RIWP.dwg LAYOUT: F3 PLOTTED: 6/12/2020 3:21 PM BY: chris hait



LEGEND

- PROPERTY BOUNDARY
- SOIL GAS POINT (BBL - 1996)
- AIR SAMPLE LOCATION (PES - 2008)
- SOIL VAPOR SAMPLE LOCATION (KLEINFELDER - 2020)

- NOTES:
- BASE MAP DIGITIZED FROM CHG&E SITE SURVEY BY M. CHAZEN, 10/22/86 AND H2MGROUP DRAWINGS ENTITLED "POTENTIOMETRIC SURFACE OF UPPER BEDROCK AQUIFER 6/28/88" AND "LOCATION MAP", BOTH FROM AUGUST 1988 REPORT.
 - ALL LOCATIONS ARE APPROXIMATE.

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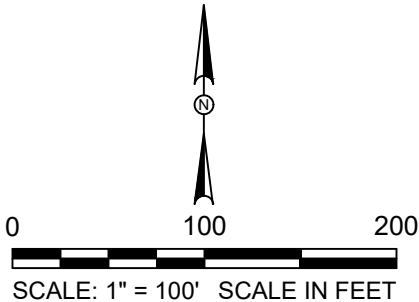
SOURCE:
BASE MAPPING CREATED FROM THE FOLLOWING:
PLAN TITLED "MONITORING WELL LOCATIONS, FIGURE 1", DATED:
6/30/19, AND PREPARED BY ARCADIS.



PROJECT NO. 20210085
DRAWN BY CTH
CHECKED BY AC
DATE: 6/12/2020
REVISED:

HISTORICAL AIR SAMPLING
LOCATION PLAN
CENTRAL HUDSON GAS & ELECTRIC CORPORATION
LITTLE BRITAIN ROAD SERVICE CENTER
NEW WINDSOR, NEW YORK

FIGURE
3



Appendix C
Packer Test Reference
(Section 2.4, MW05-8C Investigation Work Plan, Arcadis, 2018)

2.4 Packer Testing

Packer testing will be completed at each new bedrock corehole to target highly fractured and/or transmissive zones in the bedrock identified by the down-hole geophysical logging. The purpose of the testing is to estimate the groundwater yield and relative degree of impacts at each targeted interval. A field geologist/hydrogeologist will oversee each test.

A packer assembly, consisting of two inflatable packers and standpipe containing a 10-foot long screen between the packers, will be lowered into the corehole and used to isolate the bedrock interval selected for testing. Once isolated (packers inflated), the water level outside and inside the standpipe (above the packer) will be monitored for five minutes with a minimum of one reading performed per minute. These data will be used to assess the rate of water inflow or outflow from the portion of the corehole above and inside the packer interval. Next, a submersible pump will be lowered into the packer assembly and the target zone will be pumped at a moderate rate until the packer interval is completely evacuated (goes dry) or until the water level stabilizes. Water quality parameters (pH, specific conductance, and temperature) will be measured during pumping and a groundwater sample will be collected from the packer interval once parameters stabilize and a minimum of one packer volume has been removed by pumping or when enough water has recharged back into the packer interval following total evacuation. Collected groundwater samples will be analyzed for VOCs using USEPA Method 8260C on a 3-day turnaround time.

During the test, the water level outside the standpipe will also be monitored to assess packer seal integrity. A sustained decrease in the water level outside the standpipe that mimics the decrease in water level inside the packer interval during pumping could indicate that the integrity of the seal is poor. In this case, the test will be stopped, and the packer assembly removed from the corehole and inspected for leaks or damage. Leaks, if any, will be repaired. The packer assembly will then be reinstalled, and the test will be repeated. It is important to note that a water-level decrease above the packer test interval is often not indicative of a poor packer seal, but rather may indicate a hydraulic connection between one or more fractures above the packer to one or more fractures below the packer (i.e., within the test interval).

At the completion of each test, the packer assembly will be removed from the corehole and decontaminated prior to conducting the next test.

Appendix D
Examples of Site-Specific HASP, CAMP, & QAPP

**KLEINFELDER, INC.
SITE-SPECIFIC HEALTH AND SAFETY PLAN (HASP)**

**Central Hudson Little Britain Road Facility
610 Little Britain Road
New Windsor, NY 12553**

Date: May 15, 2018

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Appendix A – Site-Specific SDS Sheets

Appendix B – Traffic Control Plan

Appendix C – Incident Severity Notification Guide

HASP Prepared By: Julia Craner

HASP Approval: Jenny Meyer

Project Manager Approval: Julia Craner

KLEINFELDER Inc.

SITE-SPECIFIC HEALTH AND SAFETY PLAN

(For specific Procedures, Refer to Kleinfelder's Corporate Health and Safety Manual)

I. PROJECT IDENTIFICATION

Project Name: CHGE Little Britain Road Subsurface Investigation
Project #: 20190147.001A

Address of Site: 610 Little Britain Road, New Windsor, NY Site ID#: NA

Site Contact: Julia Craner Phone: c. 845-325-2329

Client Contact: Mark McLean Phone: 845-486-5461

SECOND PERSON SITE: [YES/NO/SOME] POLICE REQ? [YES/NO/SOME]

Circle

II. EMERGENCY CONTACTS

Kleinfelder:

Project Manager – Julia Craner, office 845-231-2529, cell 845-325-2329
Backup Project Manager – David Tompkins, office 845-231-2547, cell 845-764-7515
Site Health and Safety Officer – Matt Jirinec, cell 609-744-8553
Alternate Health and Safety Officer - Matthew Pickard, office 845-231-2522, cell 845-857-0116
Area Administrative Asst. – Stacy Servino, office 845-231-2525, cell 845-216-3838
Area Manager – Neil Kulikauskas, office 860-258-7129, cell 203-910-3110

CHGE:

Jesse Gallo, Project Manager, office: 845-486-5641 / cell: 914-980-4057
Mark McLean, Lead Project Manager, office: 845-486-5461 / cell: 845-242-6925

Utilities:

Gas:	<u>CHGE</u>	<u>800-942-8274</u>
Electric:	<u>CHGE</u>	<u>845-452-2700</u>
Water:	<u>Town of New Windsor</u>	<u>845-563-4636</u>
Sewer:	<u>Town of New Windsor</u>	<u>845-563-4636</u>
One call/equivalent:	<u></u>	<u>811</u>

Police: 911 **Fire:** 911 **Ambulance:** 911

National Poison Control Center: 800-222-1222

WORKCARE: 888-449-7787

The order of preference for off-site medical care, based upon severity of the injury:

- 1. Urgent Care (After call to WorkCare)**
- 2. 911 Emergency (immediate danger to life or health) to Hospitals (for emergency care and paramedic transport)**

Urgent Care Clinic: Crystal Run Healthcare
Address: 1200 NY Route 300
Newburgh, NY

Phone #: 845-725-0100

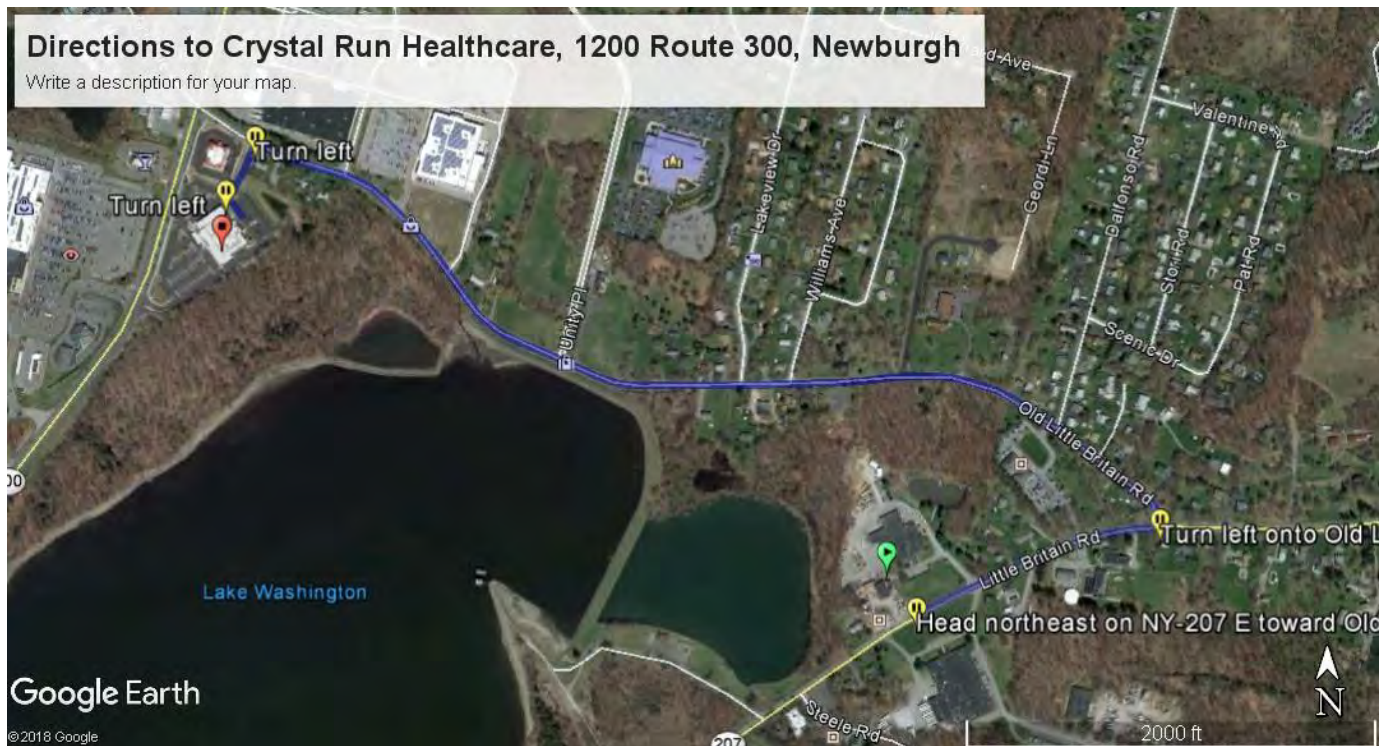
For injuries requiring immediate care, contact 911 and have Paramedics transport to Hospital

Hospital: St. Luke's Cornwall Hospital

Phone #: 845-561-4400

Address: 70 Dubois St.
Newburgh, NY

Directions from site to THE URGENT CARE FACILITY



Exit the Site and turn LEFT onto Little Britain Road.

Take the first LEFT onto Old Little Britain Road.

By HOME DEPOT, turn LEFT into the entrance to Crystal Run Healthcare. The entrance to the building is on the far side from where you enter parking lot.

III. ORGANIZATION AND COORDINATION

Kleinfelder, Inc. (Kleinfelder) is a safety-oriented company that prides itself on keeping safety a core value and high priority. Kleinfelder is currently licensed and uses a behavior-based Loss Prevention System (LPS™) for safety and business-related losses. LPS™ is a system that is an “organized, common sense” approach based on over 30 years of research, field trials and experience.

Kleinfelder and subcontractors to Kleinfelder are expected to actively participate in LPS™ by identifying potential safety and business concerns and implementing corrective action and solutions to mitigate identified potential and real losses.

Project Manager

The PM will be responsible for directing and controlling Kleinfelder site activities and is responsible for enforcing on-site compliance with the provisions of the Site-Specific HASP. The PM is the central point of contact for the Site Health and Safety Officer (SHSO), Client, and Field Personnel, and has overall responsibility for Kleinfelder site activities. Kleinfelder reserves the right to make adjustments to staffing to meet the project objectives.

Site-Supervisor

The Site-Supervisor is responsible for the management of tasks on-site, including both technical and safety quality, including stewarding of LPS™ tools, related to the execution of field activities. They are responsible for working with subcontractor field supervisors and subcontractor management to ensure the work is performed in compliance with the Site-Specific HASP as well as local, state, federal and provincial regulations. The Site-Supervisor works closely with the Kleinfelder Project Manager and client representatives in the field. The Site-Supervisor can act in the dual role as the SHSO.

Field Personnel

Field Personnel are responsible for understanding and complying with this Site-Specific HASP. Field Personnel include both Kleinfelder employees and Subcontractors hired by Kleinfelder. Field Personnel are required to participate in briefings prior to commencement of site work; attend daily Tailgate Safety Meetings; use of LPS™ tools; and acknowledge receipt and understanding of the Site-Specific HASP by signing the Compliance Log at the end of this plan.

Program Manager

The Program Manager should be contacted when mobilization of support in the event of an emergency or non-emergency safety-related incident from a Kleinfelder office is needed, and in case of an emergency requiring off-site assistance.

Site Health and Safety Officer

The designated SHSO will coordinate aspects of the site health and safety activities. The SHSO will be determined based upon daily task execution and personnel on-site and will be the appropriate personnel with applicable safety training and experience. Kleinfelder reserves the right to make adjustments to staffing to meet project objectives. The SHSO duties include:

- Evaluation of the cleanliness of the site and potential hazards generated by dust and sediment;

- Lead interactive site safety meetings, which Kleinfelder and subcontractor (if present) on-site personnel shall be required to attend and participate in;
- Stewardship of LPS™ and LPS™ tools;
- Maintain, inspect, and control an adequate inventory of safety equipment at the site for Kleinfelder personnel. Subcontractors are required to provide their own health and safety equipment;
- Monitor air conditions and noise levels (if necessary); and
- Monitor any site decontamination procedures.

Health and Safety Manager

The Health and Safety Manager, Matthew Pickard, shall be responsible for the following:

- Recommending changes to engineering controls, work practices, and Personal Protective Equipment (PPE);
- Coordinate with the SHSO for on-site training needs;
- Consult with SHSO and PM for on-site emergencies;
- Provide on-site consultation (as needed) to ensure the Site-Specific HASP is fully implemented;
- Coordinate modifications to the Site-Specific HASP with the PM and the SHSO;
- Provide continued support for upgrading/downgrading of the level of personal protection;
- Coordinate approval/review of revisions to the Site-Specific HASP; and
- Ensuring compliance with the Site Specific HASP through field audits.

Subcontractors

Health and Safety Responsibilities:

- Subcontractors are responsible for the safety of their employees. They are responsible for development and implementation of their own Site-Specific HASP and Job Loss Analyses (JLAs) (or similar) for the tasks that they will be performing on-site.
- Subcontractor management and supervisors are responsible for LPS™ Stewardship activities.
- The Subcontractor Foreman has overall responsibility for subcontractor site activities.
- In addition, subcontractors are responsible for following the requirements of this document;
- Act in a responsible and cautious manner to prevent accident, injury, and/or exposure to themselves and their co-workers;
- Stop and report recognized unsafe conditions and actions to the SHSO, and/or the PM;
- Stop and report accidents, injuries, exposures, and/or near losses to SHSO, and/or the PM;
- Attend and participate in daily Tailgate Safety Meetings conducted during the project;
- Follow the instructions and directions of the SHSO and the PM;

- Utilize PPE as specified in the Site-Specific HASP and their respective JSAs;
- Follow field safety procedures for safe work practices, buddy system, communication, site control, decontamination, evacuations, and related emergency procedures;
- Perform only those tasks they are contracted to perform and they are trained, qualified, and capable of performing;
- Report the condition(s) they believe could affect their safety and/or the safety of co-workers to the SHSO or PM;
- Ensure that no work tasks are performed in deviation from the Site-Specific HASP, JSAs, and/or the initial instructions of the PM or PHSO without the expressed authorization and additional instruction from the PM and/or PHSO; and
- Provide Safety Data Sheets (SDS) for any hazardous material brought onto the job site. The SHSO is responsible for ensuring that required SDSs are available at the site before subcontractors are permitted to start work on the site. All personnel must be trained on their company's Hazard Communication Program.

Authorized Site Visitors

Health and Safety Responsibilities:

- Receive site hazard and safety instructions from the SHSO;
- Review and comply with the Site-Specific HASP;
- Use PPE to enter regulated work areas, when such controls are required for entry in accordance with the Site-Specific HASP or as instructed by the SHSO; and
- Stop and report any observed unsafe act and/or condition at, or affecting, the work site.

IV. SITE AND NEIGHBORING SITE HAZARDS OR IMPACTS

A previous subsurface investigation found trichloroethylene (TCE) contamination in groundwater along with several other volatile organic compounds. A hotspot of TCE-contaminated groundwater was found around MW05-8C at a concentration of 212 ug/l. This HASP will cover the subsequent subsurface investigation to delineate the vertical and horizontal extent of contamination. (See attached map, page 9)

Kleinfelder employees will be conducting site activities which may include, but are not limited to: bedrock coring, packer testing, monitoring well drilling and installation, downhole geophysical logging, groundwater sampling, well surveying, gate installation, and well development. The specific tasks associated with these activities are detailed in Section IX.

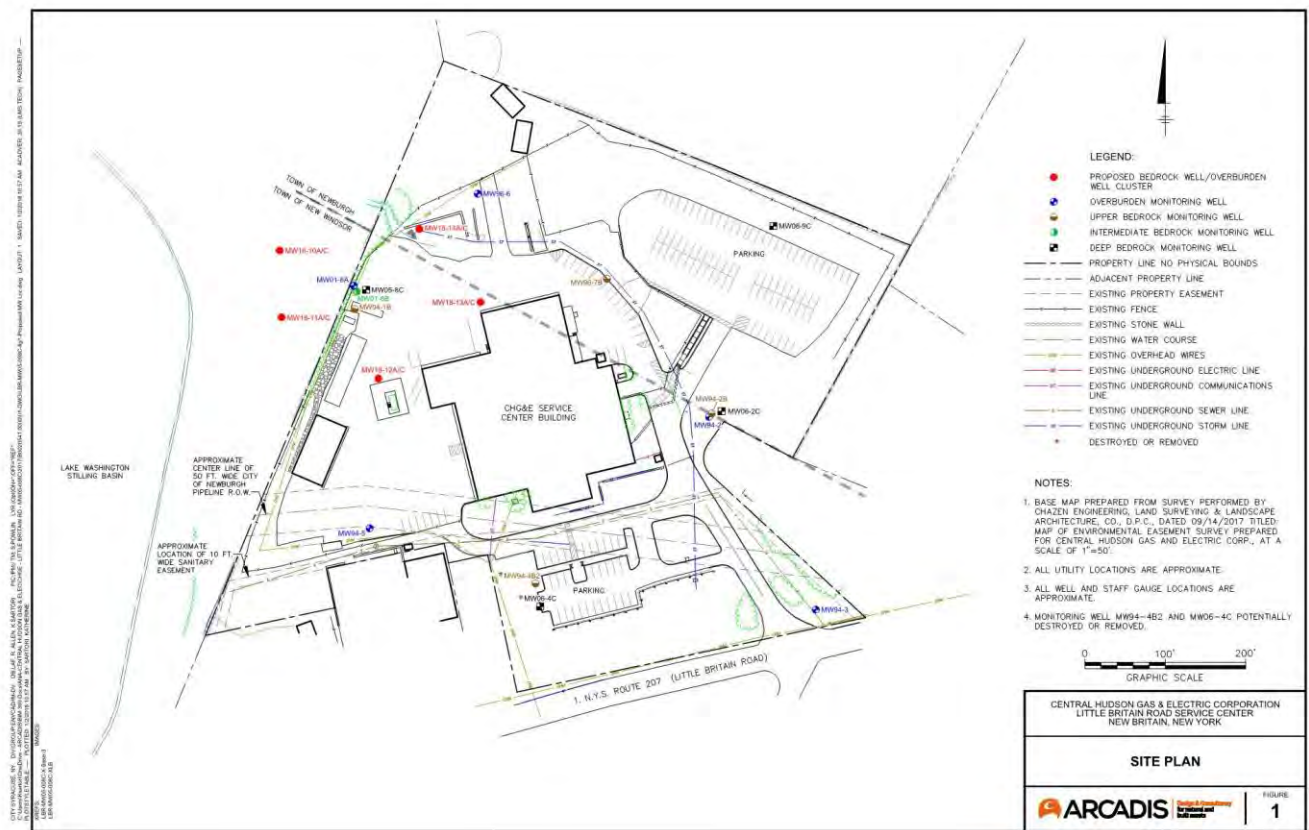
Below are site specific additional hazards that have been identified on this site during previous work. This shared information should be updated as new hazards are identified for this site during the year to assist others who may be working on this site for the first time.

SITE-SPECIFIC HAZARD FIELD DOCUMENTATION LOG

Hazard (Location on Site)	Summarize Potential Risk	Action Taken to Mitigate	Follow Up Action Required?
Vehicle Traffic	Vehicle/human accidents or near accidents. Vehicle/vehicle or equipment accidents or near accidents	Cordon off work areas. Workers to take precautions traversing the site. Vehicle & equipment movement crossing high traffic routes should have a spotter. Proper PPE	
Overhead electrical	Drill rig derrick contacting overhead electrical lines	Drilling locations will be sited to avoid overhead lines. Driller and Kleinfelder personnel will watch for potential contacts with overhead lines during raising derrick.	
Underground utilities	Drilling tools will come in contact with underground utilities (electric, gas, water, sewer).	The driller will conduct a one-call markout. CHGE will use their knowledge to markout onsite utilities. The first 5 ft. of each boring will be soft-dug.	
Heavy Machinery/Rotating Parts (at drilling location)	Potential worker injuries: pinch, caught, runover, cuts/abrasions, burst hoses.	Careful and deliberate work around machinery and moving parts. Maintain equipment in proper working order. Proper PPE	
Heat/Cold	Heat stress/cold stress related injuries	Heat: Follow Heat Illness Prevention Plan in Section VII keep hydrated, take breaks to keep cool in shade or in AC vehicle, wear light colored clothing. Cold: Wear layered clothes appropriate for cold weather, take warming breaks inside or in heated vehicle.	

Noise	Hearing Loss	Wear hearing protection when working around loud (greater than 85 dBA) noises, especially drill rig. Typically noise levels are elevated above 85 dBA when personnel cannot carry on normal conversations when standing 3 feet apart.	
Slip, Trip, Fall	Cuts, abrasions, sprains, broken bones	Maintain neat and tidy work space. Establish a walking path, plan the path, and remove items that might be trip hazards that can be removed. If trip hazards remain mark them and make sure all personnel are aware of their presence. Do not carry large, heavy, awkward loads when walking.	
Biological Hazards (poisonous plants, biting insects or arachnids)	Skin irritation, tick-borne diseases	Wear light colored clothing, use bug spray with DEET on exposed skin and spray your shoes, socks, belt-line, collar, and hat with a permethrin-containing tick repellent. , tuck in shirt at waist and pant legs into boots or tape boots with duct tape. Be able to identify poisonous plants. Conduct tick checks following field work and when arriving at hotel or home at the end of the day. Put any clothes that might have live ticks on them into a hot dryer for ten minutes to kill all insects.	

CURRENT SITE MAP



VI. CHEMICAL HAZARDS/PPE

(See Kleinfelder's Corporate Health and Safety Manual Sections: Hazard Assessment-2.2, Chemical Hazard Communication-5.2, PPE-5.3: Respiratory Protection-5.4).

All chemicals brought on site, either by Kleinfelder or Subcontractors must have SDSs that shall be included in **Appendix A** of this HASP.

Levels A and B work MAY NOT be done under this Site-Specific HASP. Level C work may be completed under this Site-Specific HASP; however, you shall contact the H&S Manager for further direction.

Acronyms used in this section:

ACGIH: American Conference of Governmental Industrial Hygienists

CEILING: Not to be exceeded during any part of the workday.

IDLH: The Immediately Dangerous to Life and Health value is the maximum concentration from which one could escape within thirty minutes without experiencing any escape - impairing or irreversible health effects. (Note: Level C air-purifying respirators do not adequately protect an individual exposed to these concentrations). The IDLH values were established by National Institute of Occupational Safety and Health (NIOSH) and have not been peer reviewed. Caution is recommended in their application.

LEL: Lower Explosive Limit

NIOSH: National Institute of Occupational Safety and Health.

OSHA: Occupational Safety and Health Administration.

PEL: The Occupational Health and Safety Administration's Permissible Exposure Limit for airborne contaminants as a time-weighted average for an eight-hour work shift, as listed in 29 CFR 1910.1000. These concentrations are mandated by law.

PPM: Parts Per Million

RAL: Recommended Action Level for airborne contaminants where site Health and Safety Prevention actions are undertaken to eliminate or minimize potential exposure.

REL: The National Institute for Occupational Safety and Health's Recommended Exposure Level for a 10-hour work shift (unless otherwise noted).

STEL: A Short-Term Exposure Limit as a fifteen-minute time weighted average (No more than four exposures per shift).

TLV: The American Conference of Governmental Industrial Hygienists' Threshold Limit Value for airborne concentrations to which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effect.

TWA: Time Weighted Average.

CHEMICALS OF CONCERN

Chemical	Health Hazards (Target Organs)	Exposure Routes	PEL
Trichloro-ethylene (TCE)	Eyes Skin Respiratory System Heart Liver Kidneys Central Nervous System	Inhalation Absorption Ingestion Contact	ACGIH-TWA = 25 ppm ACGIH-STEL-15min = 150 ppm OSHA-PEL = 100 ppm
Toluene	Eyes Skin Respiratory System Central Nervous System Liver Kidneys	Inhalation Absorption Ingestion Contact	NIOSH-REL-TWA = 100 ppm NIOSH-STEL = 150 ppm NIOSH-IDLH = 500 ppm OSHA-PEL-TWA = 200 ppm Ceiling = 300 ppm
Cis-1,2-Dichloroethene	Eyes Skin irritation Central Nervous System Respiratory System	Inhalation Absorption Ingestion Contact	PEL = 200 ppm
Trans-1,2-Dichloroethene	Eyes Skin irritation Central Nervous System Respiratory System	Inhalation Absorption Ingestion Contact	PEL = 200 ppm
Vinyl Chloride	Eyes Skin Central Nervous System	Inhalation Absorption Ingestion Contact	PEL = 1 ppm
1,2-Dichlorobenzene	Eyes Nose Respiratory System Liver Kidney Skin	Inhalation Contact	PEL = 50 ppm
Perfluoroalkyl and Polyfluoroalkyl compounds (PFAS/POFAs)	Endocrine System Liver Pancreas Immune System	Inhalation Ingestion	PEL not established. Protective Action Criteria for Air = 0.015 mg/m ³

Ca – NIOSH considers chemical to be an occupational carcinogen

Air Monitoring

During soil disturbing or product recovery activities, the task designated SHSO will conduct air monitoring. Air monitoring shall include the use of a Multi-rae photo-ionization detector (PID) with an 11.7 eV lamp (due to presence of TCE) to ensure that the breathing zone of the work area is below applicable OSHA regulations and to ensure that there are no fugitive emissions from site activities. This probe was selected for this project due to its ability to quantify the group of contaminants of concern at the project area as well as provide Lower Explosive Limit (LEL),

oxygen, and carbon monoxide (CO). The PID detects mixtures of compounds simultaneously. PID readings do not measure concentrations of any individual compound when a mixture of compounds is present.

The PID will be calibrated before each work shift using an isobutylene standard for calibration. Calibrations will be documented in the site-specific field notes. PID readings will be measured in the breathing zone of the most highly exposed worker (i.e., closest to the source) at least each 30 minutes until it is evaluated that activities are not creating fugitive vapors that might be inhaled.

A number of response levels will be used during field work if airborne contaminants are encountered during air monitoring. The SHSO will notify the Kleinfelder PHSO prior to upgrading from the initial levels of protection. The following response levels will apply to the work activities covered by this Site-Specific HASP.

Air Quality Measurement (Action Level)	Response
PID reading less than 1 ppm over background (sustained)	Level D Protection or Modified Level D Protection
PID reading greater than 1 ppm over background (sustained over 1 minute)	Evacuate area, wait for air to stabilize, and resample. Only if readings have dropped may work begin again. If readings maintain, evaluate if elevated readings are due to vinyl chloride. A reading of 1ppm on the Multi-rae could be 0.6 ppm of vinyl chloride. The PEL of vinyl chloride is 1 ppm, so use indicator tubes to test for the presence of vinyl chloride. If upgrade to PPE is required contact Kleinfelder PHSO.
PID reading greater than 25 ppm (sustained over 1 minute)	Suspend work in immediate area and notify Kleinfelder PHSO and Kleinfelder PM. Conduct air monitoring periodically to determine when work may be continued. Take measures to mitigate as appropriate. Again, if necessary to upgrade respiratory protection or other PPE contact Kleinfelder PHSO.

In addition, increased air monitoring may be conducted based upon procedures required by Kleinfelder's Hot Work Permit Program.

Should work be conducted using respiratory protection, the need for a personal exposure monitoring program will be evaluated by the Kleinfelder H&S Manager. The personal monitoring program will be in addition to the existing air monitoring program. This program will provide more quantitative and qualitative data on worker exposure to airborne contaminants. The program will consist of the collection of air "grab" samples using a variety of National Institute for Occupational Safety and Health (NIOSH), United States Environmental Protection Agency (USEPA), and OSHA approved methods and analytical procedures.

PCE, TCE and Vinyl Chloride (VC) are chemicals in groundwater that have potential health effects including being known carcinogens. Therefore, in addition to the above air monitoring, Indicator

tubes may be used when high PID readings are detected to evaluate specific chemicals and concentrations. The H&S Manager shall be consulted prior to the use of indicator tubes and will be directly involved with the evaluation of the results and make recommendations for additional PPE, possibly including respiratory protection.

In addition, chemicals that may be present on-site include:

- Hydrochloric Acid,
- Nitric Acid,
- Sodium Bisulfate,
- Sulfuric Acid,
- Sodium Hydroxide
- Isobutylene,
- Alconox,
- N,N-Diethyl-meta-tolu amide (DEET), and
- Isopropylene.

These chemicals, among others, are associated with sampling and decontamination. SDSs should be present on-site for these chemicals and the chemicals should be used according to directions and procedures to prevent injuries. Site-Specific SDSs are located in **Appendix A**. General SDSs are also found in the Kleinfelder Health and Safety Binder.

Specific Site Entry/Access Procedures: Initial monitoring of work areas where potential buildup of flammable or toxic vapors is required. If LEL concentrations are >1% LEL, or if any instantaneous monitoring establishes suspected concentrations of toxic materials to exceed the Action Levels noted above, work must cease and area(s) evacuated until further action is taken to minimize, reduce, or eliminate worker exposure.

NOTE: IF ANY LEVELS EXCEED THE PEL/TLV BY MORE THAN 10X, OR ORGANIC VAPOR CONCENTRATIONS >1,000 ppm WHILE WEARING CHEMICAL CARTRIDGE RESPIRATORS, WORK MUST CEASE, AND SPECIFIC VENTILATION PRACTICES OR SPECIALIZED RESPIRATORY PROTECTION METHODS EMPLOYED. CONTACT THE ASSIGNED PHSO FOR FURTHER DIRECTION.

VII. Physical Hazards

Fire Hazards

Kleinfelder and Subcontractor field personnel will be responsible for observing and reporting fires and conditions that could lead to fires. During on-site activities, the following practices will be used for fire prevention and protection:

- Smoking is prohibited on current and former retail gasoline sites. Smoking may be permitted on larger former non-retail facilities; however, these areas must be identified during pre-work preparation and discussed specifically during Tailgate Safety Meetings.
- Accumulations of combustible scrap and debris on site will be promptly removed and properly disposed of;
- Care will be taken with equipment to reduce the possibility of sparks or open flames;

- A minimum of one 20-lb ABC fire extinguisher, appropriate for work being performed, will be available within the work zone but no further than 25 feet from the work being performed, and another fire extinguisher will be available within the administrative work area (note that site specific activities may require additional 20-lb extinguishers);
- Two 10-lb extinguishers may not be substituted for one 20-lb extinguisher;
- Kleinfelder fire extinguishers will be inspected monthly by the SHSO. Subcontractor fire extinguishers will be inspected monthly by their on-site personnel; and
- Defective firefighting equipment will be replaced immediately.

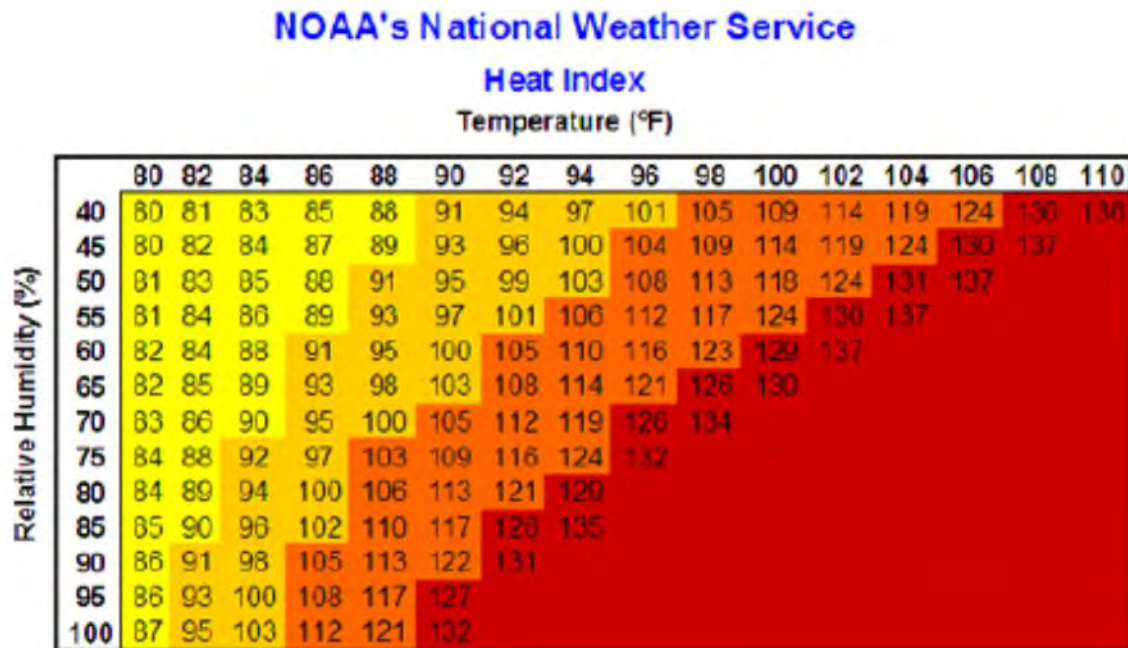
Heat Illness Prevention Plan:

Heat stress is a hazard during warm weather or when personnel are wearing PPE, which aggravates the heat stress hazard. Heat stress can occur even when temperatures are moderate if the body's physiological processes fail to maintain a normal body temperature. The resulting physical reactions that occur are fatigue; irritability; anxiety; and a decrease in concentration, dexterity, and/or movement. Onset of signs and symptoms of exposure can occur rapidly, and may progress to a medical emergency (i.e., heat stroke) without early intervention. In extreme cases, death can result if the patient is not given immediate treatment.

To control exposure to heat stress, monitoring will commence when personnel are required to wear PPE, including Tyvek-type coveralls, in ambient conditions exceeding 21 degrees Celsius (° C) (70 degrees Fahrenheit (° F)), or when wearing standard work uniforms (Level D) in ambient conditions exceeding 27 °C (80-5 °F). Note: evaluation of the applicable ambient temperature to begin heat stress monitoring may change based upon the specific site conditions. If work is on asphalt, if worker will be inside vehicles without air conditioning, areas with high humidity, and other site-specific conditions, site personnel will evaluate the working conditions and may be required to begin the procedures outlined below when ambient temperatures are lower than the guidance above. As always, evaluation of hazards will be completed prior to and during work activities. The following safety procedures will be implemented:

- All Kleinfelder employees subject to Kleinfelder's Medical Surveillance Program shall have received appropriate clearance. For those not subject to the Surveillance Program on site visits or short-duration tasks on-site, the Kleinfelder lead/on-site supervisor shall discuss the individual's risk for Heat Illnesses and note any individual sensitivities.
- All employees and supervisors shall have completed Heat Illness Prevention Training
- Daily tailgate meetings shall also include the review of the site-specific Heat Illness Prevention Plan, heat illness prevention methods, symptoms, and emergency response procedures, including how to access emergency personnel.
- Site leads/supervisors, prior to the start of work, shall check the current temperature, humidity, and weather forecast for the nearest weather station to site via either smart-phone weather application or the internet. The lead/supervisor will also check current conditions every 2-3 hours. If internet or cellular service is not available while onsite, a portable thermometer in an unshaded area on-site shall be referenced.
- Site leads/supervisors shall refer to the NOAA Heat Index (Chart below) and determine appropriate precautions required, and when necessary, adjust or stop work.
- Employees are encouraged to take shaded rest breaks at least every 2 hours, unless more frequently is required based upon work load, site conditions, heat index, or the employee has a known susceptibility to heat illnesses or exhibits preliminary symptoms of the onset

of heat illness. Employees will be given no less than **10 minutes** to rest in the shade, in addition to time needed to access the shade.



Likelihood of Heat Disorders with Prolonged Exposure or Strenuous Activity

Caution
 Extreme Caution
 Danger
 Extreme Danger

Heat Index	Risk Level	Protective Measures
Less than 91°F	Lower (Caution)	Basic heat safety and planning
91°F to 103°F	Moderate	Implement precautions and heighten awareness
103°F to 115°F	High	Additional precautions to protect workers
Greater than 115°F	Very High to Extreme	Triggers even more aggressive protective measures

Important consideration: NOAA devised the heat index values for shaded conditions and light winds. **Full sunshine can increase heat index values by up to 15° Fahrenheit.** Strenuous work and the use of heavy or specialized protective clothing also have an additive effect. As a result, the risk at a specific heat index could be higher than that listed in the table above if the work is in direct sunlight without a light breeze, or if work involves strenuous tasks or the use of heavy or specialized protective clothing. Extra measures, including implementing precautions at the next risk level, are necessary under these circumstances.

If the ambient air temperature is above 27°C (80°F), the need for heat stress and heat exhaustion monitoring will be evaluated. Heat stress and heat exhaustion monitoring will be required if the temperatures exceed 32°C (90°F). Again, site specific conditions may require you to begin heat monitoring prior to reaching the above recommended temperatures. When in doubt, call the H&S Manager and request assistance.

Acclimation:

- Site leads/Supervisors shall closely monitor new employees (<30 days with Kleinfelder), unless the new employee indicates at the time of hire that they have been doing similar work for at least 10 of the past 30 days, and for more than 4 hours per day.
- New employees, with less than 30 days with Kleinfelder, or those that have not been conducting similar functions in similar environmental conditions, or any employees who have not previously worked in environments where the possibility that heat illness may occur shall be given an opportunity for their bodies to gradually be exposed to heat while on-site. Site Leads/Supervisors shall identify any new hire workers below and track their progress closely and will provide additional breaks for water, shade, and rest throughout a 14-day acclimatization period.
- Managers, Project Managers, and Site Lead/Supervisors shall monitor employees for signs/symptoms of heat stress (See Section VI) during a heat wave. "Heat wave" being defined as any day the predicted temperature is at least 80 degrees Fahrenheit and at least 10 degrees Fahrenheit higher than the average high daily temperature in the preceding 5 days. Monitoring can be done by either the supervisor or by use of the buddy system, where the new employee is accompanied by an experienced, knowledgeable Kleinfelder staff member.
- New employees are to be encouraged during morning tailgate meetings to immediately report to their supervisor symptoms and signs of heat stress in themselves or in co-workers.

Water:

- Water shall be potable, fresh, pure, and suitably cool. Site Leads/Supervisors will visually examine the water to ensure purity and check that it is adequately cool by pouring some on their skin. Employees working alone/individually are responsible for checking their supply and condition regularly throughout the shift.
- When employees are working in large areas, water will be placed in several locations as specified in the site Health and Safety Plan, and whenever possible no more than 100 yards from the work areas.
- Site Leads/Supervisors will ensure that at least 2 quarts of water per person per hour is available at the start of the shift and shall check supplies hourly. Site Leads/Supervisors will replace water supplies any time the current level reaches 50%.
- Site Leads/Supervisors shall encourage employees to drink water frequently, and at a rate of up to 4 cups per hour during heat waves or high heat periods.
- Employees are to report low water levels, warm or dirty water containers, or any signs, symptoms, or concerns of heat illness to supervisors.
- Paper disposable cups shall be provided at the water location and kept sanitary anytime water jugs or coolers will be used with more than 1 employee. Individual containers that will be used are to be marked by the employee with a Sharpie or equivalent marker to prevent inadvertent sharing of containers.

High Heat Situations:

The following high heat procedures shall be implemented during "heat waves" (any day the predicted temperature is at least 80 degrees Fahrenheit and at least 10 degrees Fahrenheit higher than the average high daily temperature in the preceding 5 days) or whenever the temperature equals or exceeds 95 degrees Fahrenheit.

- Site Leads/Supervisors will provide a pre-shift meeting during periods of high heat to remind employees:
 1. Of the company's high heat procedures.
 2. To drink plenty of water.
 3. Of their right to take cool-down rest periods when necessary.
- Site Lead/Supervisor shall directly observe employees, for signs and symptoms of heat illness. Each supervisor, or qualified designee, shall be responsible for observing no more than 20 employees.
- Site leads/Supervisors shall closely monitor new employees (<30 days with Kleinfelder), unless the new employee indicates at the time of hire that they have been doing similar work for at least 10 of the past 30 days, and for more than 4 hours per day.
- **During heat waves and/or high-heat situations, employees will be given no less than 10 minutes to rest in the shade, in addition to time needed to access the shade.**

Shade:

- Kleinfelder will provide shade when the temperature exceeds 80 degrees Fahrenheit. Shade areas will be open to the air or provided with ventilation or cooling. Enough shade will be provided to accommodate the number of employees on break or recovery period at any given time.
- Shade structures will ensure that employees in shaded areas can sit in a normal posture fully in the shade without having contact with one another and can accommodate 25% of employees per shift at any one time. The shade shall be located as close as practicable to the work area. During meal periods, the amount of shade available shall be enough to accommodate the number of employees on meal break and those seeking cool-down rest periods. As Kleinfelder typically provides air-conditioned vehicles, the vehicle can be utilized in lieu of a structure only if the vehicle will be running during occupancy.
- Employees are encouraged to take a preventive cool-down rest in the shade at any time that they feel the need to protect themselves from overheating.
- Employees taking cool-down breaks will be monitored and asked if they are experiencing symptoms of heat illness and will be encouraged to remain in the shade until any signs or symptoms have abated. At no time may an employee be ordered to return to duty until signs/symptoms are abated.
- Any employee who exhibits signs or reports symptoms of heat illness while taking a preventive cool-down rest shall be provided with appropriate first aid or emergency response.

Heat Illness, Signs, Symptoms and First Aid:

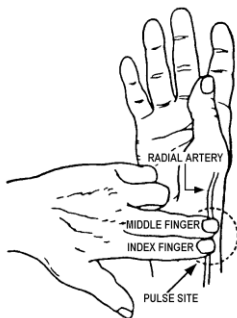
Heat stroke is a life-threatening situation in which the victim's temperature control system, which produces sweating to cool the body, stops working. Body temperature can rise quickly to elevations causing brain damage and death. Heat exhaustion is less dangerous and results from the loss of body fluids. This fluid loss causes blood flow to decrease in vital organs resulting in a form of shock. High humidity (>70% relative humidity) may retard evaporation resulting in inadequate cooling of the body. Heat cramps are muscular spasms due to heavy exertion. These cramps usually involve the abdominal and leg muscles and are due to the loss of water and salt from heavy sweating.

Signs/Symptoms	Response
Heat Fatigue Early warning sign of heat stress Too tired and weak to concentrate on doing job	Move to cool place Drink water every 15 minutes
Heat Cramps Develops when a person sweats out more salt than the body takes in and the muscles cramp	Move to cool place Drink water every 15 minutes Sports drink can help replace necessary salts
Heat Exhaustion Cool, pale, moist skin Heavy sweating Normal body temperature Dilated (large) pupils Headache and nausea Dizziness and vomiting	Move to cool area Have individual lie down Slightly elevate the feet Loosen clothing Apply wet towels Drink water every 15 minutes
Heat Stroke Hot, red skin Constricted pupils High body temperature Little or no perspiration Chills, confusion, and strong, rapid pulse	Active Emergency Medical System (EMS) (911) Check ABCs (airway, breathing, circulation) Immerse in cool water or wrap in wet towels GIVE NOTHING BY MOUTH

Encourage employees to implement the following break schedule:

- Work for 1 to 1.5 hours
- Break for 15 minutes

Count the radial pulse (wrist) of personnel for 30 seconds and multiply by 2 to get beats per minute at the beginning of the break period.



If the heart rate exceeds 110 beats per minute (BPM), shorten the next work cycle by 1/3 and keep the rest periods at 15 minutes.

If the heart rate exceeds 110 BPM at the next rest period, shorten the next work cycle by 1/3 again, keeping the 15-minute breaks.

If the heart rate ever exceeds 120 BPM, the employee will be required to rest for 30-45 minutes to allow the heart rate to decrease.

The SHSO will institute these procedures and monitor employees for signs of heat stress. Preventing heat stress is particularly important because once someone suffers from heat stroke or heat exhaustion, that person may be predisposed to additional heat injuries.

Emergency Response:

- All Site Leads/Supervisors will carry cell phones or other means of communication, to ensure that emergency medical services can be called. Checks will be made to ensure that these electronic devices are functional prior to each shift. If Site Leads/Supervisors are unable to call for emergency services, any employee may call for emergency services.
- When an employee is showing symptoms of possible heat illness, steps will be taken immediately to keep the stricken employee cool and comfortable until emergency service responders have been called and arrive on-scene.
- Under no circumstances will the affected employee be left unattended.
- Ill workers may not drive themselves to a clinic or hospital, or leave the site while exhibiting signs/symptoms of heat illnesses. Per Kleinfelder policy, a supervisor or designee must transport and accompany any injured or ill workers to a medical treatment facility.
- While emergency services are called, first aid will be initiated by cooling the worker; placing the worker in the shade or preferably inside air-conditioned buildings or vehicles; removing excess layers of clothing; place ice pack or cold compresses in the armpits and groin area; and fan the victim.

Cold Stress

Fatal exposure to cold among workers has almost always resulted from accidental exposures involving failure to escape from low environmental air temperatures or from immersion in low-temperature water. The single most important aspect of life-threatening hypothermia (cold stress) is a fall in the deep core temperature of the body. Workers should be protected from exposure to cold so that the deep core temperature does not fall below 36° C (96.8° F); lower body temperatures will very likely result in reduced mental alertness, reduction in rational decision making, or loss of consciousness with the threat of fatal consequences. The following early warning signs of cold stress should be taken as signs of danger to workers:

- Pain in the extremities
- Maximum severe shivering, which develops when the body temperature on an individual has fallen to 35° C (95° F)

When severe shivering becomes evident, workers should immediately be removed from the cold environment.

Since prolonged exposure to cold air or immersion in cold water at temperatures well above freezing can lead to dangerous hypothermia, whole body protection must be provided. Examples include:

- Adequate insulating clothing to maintain core temperatures above 36° C (96.8° F) if work is performed in air temperatures below 4° C (40° F)
- Sufficient insulating clothing when work is performed in high winds combined with low temperatures

Special protection of the hands is required to maintain manual dexterity for the prevention of accidents:

- Make special provisions for keeping worker's hands warm if fine work is to be performed with bare hands for more than 10 to 20 minutes in an environment below 16° C (60° F)
- Cover metal handles or tools and control bars with thermal insulating material at temperatures below -1° C (30° F)
- Require gloves if the air temperature falls below 16° C (60° F) for sedentary work and if fine manual dexterity is not required
- Require gloves if the air temperature falls below 4° C (40° F) for light work and fine manual dexterity is not required.
- Require gloves if the air temperature falls below -7° C (20° F) for moderate work and fine manual dexterity is not required.
 - Winter "Monkey-grip" gloves consisting of cotton lining with a textured PVC coating are typically used in cold weather. Must review JSA for task-appropriate gloves as well.
 - To prevent contact frostbite, workers should wear anti-contact gloves.

Provisions for additional body protection are required if work is performed in an environment at or below 4° C (40° F). Workers shall wear cold protective clothing appropriate for the level of cold and physical activity:

- Provide a windshield or wear an outer windbreaker if the air velocity at job sites is increased by wind, draft, or artificial ventilating equipment
- Use an impermeable outer layer of clothing if only light work is involved and if the clothing on the worker may become wet on the job site
- Consider a water repellant outer layer of clothing with more severe work under such conditions
- Ensure that adequate replacement garments are available for use by employees
- Suspend work on the site until adequate clothing is available or until weather conditions improve if the available clothing does not give adequate protection to prevent hypothermia or frostbite
- Take special precautions when handling evaporative liquids (gasoline, alcohols, solvents, etc.) at air temperatures below 4° C (40° F) to avoid soaking of clothing or gloves with these liquids which are capable of evaporative cooling. Provide a warm, accessible location for workers to take frequent breaks

Heavy Equipment Operations

Personnel on-site must be made aware of the hazards of working with and around heavy equipment. Visibility problems create the largest hazard for the operator and ground personnel. Never park behind a piece of heavy equipment and always give the right of way to the equipment. When in the vicinity of equipment operations be sure to make the operator aware of your presence.

Physical hazards during mobilization and demobilization can arise from various site activities, including off-loading heavy equipment from tractor-trailers and locating equipment to designated areas. Hazards will be mitigated by using caution around moving equipment and by avoiding

close proximity to moving equipment whenever possible. Field personnel may be exposed to a variety of physical injury hazards associated with equipment operations, including noise, struck-by injuries, eye hazards, and hand and foot injuries. Subcontractors will operate heavy equipment operations in accordance with 29 CFR 1926. Heavy equipment will be inspected at the start of work each day and inspection results recorded on the Heavy Equipment Checklist (Appendix E).

Utilities

Prior to mobilization, utilities will be located and documented in the site's field notebook. Every attempt will be made to evaluate the presence or absence of any utilities in the region by contacting the local utility services. During the initial safety meeting employees field personnel will be made aware of both overhead and underground utility locations.

Underground Utilities

A primary initial hazard with excavation operations is contact with underground utilities. Every attempt will be made to mitigate these hazards. Underground utilities will be located by contacting One Call (or your state equivalent) system. In addition, deactivation of utilities will occur where practical; however, if personnel believe it is unsafe to work with utilities activated, other methods of mitigation will be used. The accurate location of underground utilities will substantially reduce subsequent risks.

Overhead Utilities

In the event that heavy equipment operations (i.e., excavation equipment, cranes) are located near overhead utilities the following table provides minimum clearances required:

A table demonstrating minimum clearances for overhead lines is provided below.

Nominal (kilovolts)	System	Voltage	Minimum Required Clearance (feet)
0 to 50			10
51 to 100			12
101 to 200			15
201 to 300			20
301 to 500			25
501 to 750			35
751 to 1,000			45

Electrical Energy

Only qualified, licensed electricians can work on the power supply at a site.

In order to prevent accidents caused by electric shock, electrical connections associated with equipment being used will be inspected prior to use. Equipment found to have frayed wiring or loose connections will be shut down and locked-out until a qualified electrician has affected repairs. Electrical equipment will be de-energized and tested before any electrical work is started. Equipment will be properly grounded prior to and during work.

In addition, ground fault circuit interrupters (GFCIs) will be installed whenever possible in each circuit between the power source and tool, unless the presence of a potentially explosive atmosphere precludes this procedure. In the event that generators are used to supply power, they will be equipped with GFCIs.

Noise

Hazardous noise sources (sources exceeding 85 decibel A-weighted [dBA]) at the project site may include heavy equipment, industrial vehicles, hand tools, compressors, generators, and alarms. The effects of high sound levels (noise) may include the following:

- Personnel being startled, distracted, or fatigued.
- Physical damage to the ear and pain and temporary or permanent hearing loss.
- Interference with communication that would warn of danger.

Noise exposure may occur on site from heavy equipment operation, especially while working in the area of operating equipment. A smartphone application (sound level meter) may be used as a screening device to screen general noise levels at different areas of the site. ANY reading above 80 dBA must be verified by a calibrated Sound Level Meter to be sure noise levels do not exceed 85 dBA. A general rule of thumb to evaluate if noise levels are high enough to require hearing protection is to observe if two persons standing approximately 3 feet apart have to raise their voices to converse. If conversation cannot occur without shouting, noise levels probably exceed 85 dBA and hearing protection should be utilized.

If noise level time-weighted averages are above 85 dBA, OSHA action level, the individual employers of the workers being exposed are responsible to meet the requirements of 29 CFR 1926.52 "Hearing Conservation Plan". If through knowledge of equipment or previous experience noise levels will be above 85 dBA, no additional sampling will be necessary.

Where noise levels are suspected of exceeding 85 dBA, noise measurements will be performed in accordance with OSHA requirements for hearing protection in the construction industry 29 Code of Federal Regulations (CFR) 1926.52. The SHSO will be responsible for the evaluation of the necessity of noise monitoring and if required will implement proper noise exposure monitoring. If necessary, personal noise monitoring will be conducted utilizing American National Standards Institute (ANSI) S1.25-1991, "Specifications for Personal Noise Dosimeters", approved dosimeters to evaluate exposures for the specific job shift duration.

Hearing protection will be provided by the employer of the workers, in the form of earplugs, ear muffs, or both, and should be used when working around heavy equipment. A determination of the need for dual hearing protection will be made on a site by site basis and be based upon equipment used, location and activities to be performed.

Using the noise ratings for the machinery being utilized, a decibel level can be calculated to determine the need for dual hearing protection. In addition, any noise levels above 104 dBA require additional protection in addition to personal hearing protection and may require a stop work and re-evaluation.

Falling, Slipping, and Tripping

Work zone surfaces shall be maintained in a neat and orderly state. Foot traffic shall avoid areas where materials are stored on the ground. Tools and materials shall not be left randomly on

surfaces when not in direct use. All tools must be placed in a bucket, tool box, or in a designated area where no foot traffic will be allowed. The contractor(s) supervisor shall assure that the work area around the wellhead is maintained in a neat and orderly state. Hoses and cables shall be grouped, routed to minimize hazards, and covered with a ramp or bridge or clearly marked with hazard or caution tape or flags if such material will remain in place for more than one shift.

Manual Lifting Techniques

During any manual material-handling tasks, personnel shall be trained to lift with the force of the load suspended on their legs and not on their backs. An adequate number of personnel or an appropriate mechanical device must be used to safely lift or handle heavy equipment. When heavy objects must be lifted manually, workers shall keep the load close to the body and shall avoid any twisting or turning motions to minimize stress on the lower back. The SHSO or PSHO can provide a lifting orientation and specific back stretching and warm-up exercises to help minimize the potential for back injuries. Use of the exercises below by field personnel at the start of each shift is required.

VIII. BIOLOGICAL HAZARDS

Biological hazards include animals (dogs, snakes, ticks, spiders, bees/wasps, etc.) and poisonous plants. Ticks, spiders, bees/wasps are discussed below. Observation and avoidance should be your first line of defense against most biological hazards. If animals such as dogs or snakes could be present at the site, be observant and if they are encountered, back away slowly, maintain your distance, use a vehicle to protect against attack. If animals feel threatened, most prefer not to attack, they will run if given a path to escape.

Insect Management Plan:

You can prevent insect stings and bites by:

- Learning about the risk of exposure, insect identification, how to avoid being stung, and what to do if you are stung.
- Keeping work areas clean, as insects may be attracted to food and drink containers.
- Maintaining equipment. Insects can create nests on ladder rungs and in other pieces of equipment.
- Having first aid readily available by keeping minimum required medications in your first aid kit.
- If you are allergic to bee stings or other types of insect bites, then carry an Epi-Pen and wear a medical alert identification so that others know about your allergy and can get you the medical help that you need to survive.
- Knowing when to call 911.

Bees, Wasps and Hornets:

Our most common issues occur with bees and wasps.

- Wear light colored, smooth clothing, avoid wearing brightly colored or patterned clothing.
- Avoid wearing perfume/cologne or fragrant hair products that smell sweet.
- Do not swat or move rapidly if a wasp is near you; stay calm and move away slowly.
- Do not approach a nest; if you do accidentally disturb a wasps' nest, run away from the attacking wasps.
- Clean up all food and drinks; seal all trash cans; take care to avoid nesting areas; and always remain calm around wasps. They usually only sting when provoked

- Cover the body as much as possible with clothing.
- Avoid flowering plants. If a bee comes inside your vehicle, stop the car slowly, and open all the windows.

Biting Insects, Spiders and Ticks (ants, mosquitos, spiders, ticks)

- **Wear insect repellent. Choose the correct concentration of “DEET” for your outdoor activity. If you choose not to wear a repellent with DEET, you must still wear a homeopathic insect repellent.**
- The higher concentrations of active “repellent” will provide longer duration of protection, and products with ≤10 percent active ingredient may offer only limited protection requiring application often. (every 1–2 hours). **Reapply the insect repellent according to the label instructions.**
- Pyrethrum may be applied to your clothing, shoes, jackets, etc. DO NOT APPLY TO FIRE-RETARDANT CLOTHING
- Avoid applying repellents to areas near the mouth and eyes.
- Wear long sleeves and pants and “tucking” into boots or gloves.
- Do not disturb or stand on or near ant mounds.
- Be careful when lifting items (including animal carcasses) off the ground.
- Avoid dusk and dawn, and during the evening after dark. This may reduce the day’s “prime biting” time periods.
- After returning indoors, wash treated skin with soap and water or bathe, similarly wash “treated clothing” before wearing again.
- Do a “tick” check after potential exposure.

Treatment:

If you are bitten or stung, try to identify the insect or spider. Wash the bite/sting site with soap and water and then apply antibiotic ointment and a sterile bandage on top. Apply ice to the sting site for 20 minutes every hour as needed to reduce swelling and numb the area if it is painful. Place a cloth between the ice and your skin to avoid freezing the skin. You may want to take an antihistamine (e.g., diphenhydramine) to relieve itching. You may also want to take a pain reliever such as ibuprofen or acetaminophen for pain relief as needed. No additional medical care should typically be necessary.

When to Call 911 for an insect sting/bite:

- A person is having difficulty breathing;
- A person has been stung previously and experienced a severe allergic reaction to the sting;
- More than 10 stings are sustained at one time;
- The sting occurs in the mouth or throat;
- The sting occurs on the eyeball itself;
- There is a large localized reaction (e.g., redness greater than 10 inches across); or
- When there is evidence of infection (increasing pain, swelling, redness, drainage of pus, and fever).

Poisonous plants:

Survey your site to identify potential for poisonous plants. If they are identified mark them and avoid. If they are in the work area, arrange to have these plants removed by a third party prior to work.

First Aid Supplies for Insect bites-stings and poison ivy:

The following items should be included in all field first aid kits. The list includes some items that may already be present in your field first aid kits. It is a good time to check your kits and make sure medications and creams are not expired. You don't need to buy a specific brand, just make sure it is comparable to the listed meds and wipes. **If you take any medications be sure to check with your doctor prior to taking any other medications. In addition, follow dosage directions on the label.** Pre-planning with your physician or taking only at direction of WorkCare professional must be followed for all medications taken on-site.

- Diphenhydramine (Benadryl) tablets or capsules (25 mg)
- Antibacterial cream (Neosporin/polysporin) and hand soap
- Hydrocortisone cream 1.0%
- Ibuprofen or acetaminophen (500 mg)
- Insect sting relief towelettes (StingX Foil Pack Pouch with Pain Relief Pad)
- Tweezers (should already be in the first aid kit, but if not, please get some)

Below are two additional wipes that would be good to include in the kits. The first is a barrier cream for poison ivy/oak and the second is a cleansing pad for poisonous plants.

- Barrier Cream (IvyX Pre Contact Barrier Foil Pack Towelettes)
- Cleanser (IvyX Cleanser Foil Packets)

IX. WEATHER EMERGENCY PREPAREDNESS AND RESPONSE

Weather Emergency Avoidance

This section outlines the measures taken to avoid working in extreme weather conditions. Before departing for field work, personnel must:

- Review weather forecast for the duration of the work, including travel time. Weather conditions should be reviewed for the work area and the travel routes.
- Review the need for a portable battery powered weather radio. If lightning is anticipated the car radio should not be used to check the weather. In some areas cell phone coverage may be unreliable due to remoteness or severe weather.

If severe weather is anticipated during the work, notify the Project Manager, and utilize the Loss Performance Self Assessment (LPSA) process to evaluate the following questions:

- Can the work be rescheduled to avoid working in hazardous weather conditions?
- Can engineering or administrative controls be used to mitigate hazards from weather?
- Can PPE be used to mitigate hazards from weather?

Emergency Response if Caught in Hazardous Weather

Severe Thunderstorm/Lightning:

- Stop work, gather site personnel, and seek shelter in a vehicle.
- Notify the project manager.
- Do not use the car radio or other electronics that connect to the frame of the vehicle.

- Use a portable battery powered weather radio or cell phone to research weather conditions for the area.
- Perform LPSA and return to work 30 minutes after the last observed lightning strike if it is safe to do so.

Severe Rain/Hail

- Stop work, gather site personnel, and seek shelter in a vehicle.
- Verify that vehicle is not parked in an area prone to flooding.
- Notify the project manager.
- If hail is present don hearing protection inside the vehicle.
- Perform LPSA and return to work when it is safe to do so.
- If flooding is anticipated evacuate the site and proceed to a safe haven.
- Notify the project manager.

Windy Conditions

- Stop work, gather site personnel, and perform LPSA.
- Determine if work can proceed safely.
- If necessary, seek shelter in a vehicle and notify project manager.
- If visibility is limited due to dust and flying debris do not attempt to drive a vehicle.
- Perform LPSA before returning to work.

Winter Weather/Snow

- Stop work, gather site personnel, and perform LPSA.
- Determine if work can proceed safely. If work cannot proceed seek shelter in a vehicle and notify the project manager.
- Determine if snow accumulation will limit your ability to depart the site later in the day. If snow accumulation is expected to prevent site departure evacuate the site and proceed to the hotel or safe haven if it is safe to do so.
- Avoid waiting until dark to depart the site because of the increased potential for icy road conditions. Stop work earlier in the day to prevent night driving
- If blowing snow prevents visibility and safe driving, seek shelter in the vehicle and wait for the storm to pass. Run the engine and heater sparingly in case you are snowed in for an extended period.
- Perform LPSA before returning to work.

Tornado Watch (conditions are right for a tornado, but none have been spotted)

- Stop work and evaluate the conditions in your area. If hazardous conditions are imminent, or if your ability to evacuate could be compromised by waiting, perform LPSA, gather personnel and proceed to a safe haven.
- Notify the project manager. The PM can review weather conditions on the internet and provide details of where the storm is located, what direction it is travelling, and how long the Tornado Watch is in effect.
- If hazardous weather conditions pass or are not expected to affect the work area, perform LPSA and proceed with work if it safe to do so.

Tornado Warning (tornado has been spotted in the region)

- Stop work, perform LPSA, gather site personnel and proceed to safe haven.

- Avoid traveling into the storm; select safe haven location that prevents traveling towards the storm.
- Once secure in the safe haven, notify the PM.
- Do not depart the safe haven until the tornado warning is no longer in effect.
- Once the tornado warning is no longer in effect, notify the project manager and perform LPSA. Proceed with work if it is safe to so.

Tornado Emergency (tornado imminent)

- Stop work, perform LPSA and seek immediate shelter in the on-site bunker, ditch, or low-lying area.
- Lie flat on the ground and protect your head.
- Avoid seeking shelter near trees or vehicles that may become displaced by the tornado. These can become crushing hazards.
- Do not seek shelter in a vehicle.
- Once the tornado has passed, perform LPSA and gather site personnel. Evacuate the site for safe haven and notify project manager.

X. PERSONAL PROTECTIVE EQUIPMENT AND WORK ZONES

Both PPE and Work Zone delineation will be based upon the hazard assessments completed for this site.

Personal Protective Equipment

Personnel are required to wear PPE appropriate for the task and anticipated exposure to known contaminants. Selection of PPE will be based on hazard assessment, task performance, and air monitoring. Based on the information provided for this site, the initial level of protection will be modified Level D. At a minimum, Level D PPE will consist of the following:

- Hardhat (at all times in work area).
- Traffic safety vest or bright orange shirt (vest shall be rated per Department of Transportation requirements as needed for right-of-way/highway occupancy work).
- Sleeved shirts and long pants at all times.
- Work boots or safety shoes (evaluate the hazards on-site and determine the types of boots required. This may include chemical-resistant, puncture resistant, electrical resistance). At a minimum the boots must meet the requirements of international ASTM standard F-2413.
- Safety glasses with side shields (ANSI Z87.1-2003) at all times.
- Ear plugs / hearing protection (when high-noise equipment/drill rig is in operation (over 85 dBA or when conversation between two people at 3 feet is difficult).

Levels A and B work MAY NOT be done under this Site-Specific HASP. Level C work may be completed under this Site-Specific HASP; however, you shall contact the H&S Manager for further direction.

Hazard analysis will be completed through the review and implementation of job/task specific JSAs. The OSHA hierarchy of controls will be used for mitigation of the identified hazards. The

mitigation of chemical and physical hazard may include the use of PPE. Additional PPE, such as fire retardant clothing, hearing or fall protection, will be implemented as required by the job task(s) based upon the JSA.

Jewelry and Loose Clothing

Jewelry must be removed or appropriately secured at all times. Loose clothing should not be worn and long hair must be tied back and secured. These actions are to prevent loose items getting caught on equipment or in rotating equipment. Evaluate the hazards associated with these items for all work.

XI. ANTICIPATED TASKS TO BE PERFORMED

(Hazards Identified through use of JLA, check all appropriate tasks)

Task	Date	Personnel / Contractors Performing Work
☒ Supervision of soil boring/monitoring well installation		Kleinfelder/Subcontractor
Type of Drilling: rock coring, Hollow Stem auger, air rotary		Kleinfelder/Subcontractor
☒ Gauging/sampling of monitoring wells		Kleinfelder/Subcontractor
Assessment of Tank Excavation		Kleinfelder/Subcontractor
☒ Supervision of Downhole Geophysical Logging		Kleinfelder/Subcontractor
☒ Supervision of Packer Testing		Kleinfelder/Subcontractor
Supervision of General Construction		Kleinfelder/Subcontractor
Trenching		
Dry well excavation		
Line Replacement		
Soil loading and transportation, etc.		
Other: UST System Removal/Shoring/Dewatering		
Other: Canopy Demolition		
Collection of soil samples		
Split spoon/macro core		
Hand auger		
Grab samples		
Jar Headspace		
Sampling liquids/sludge		
Oil/water separation		
Dry well		
Drums		
Other		
Remedial System Operation & Maintenance		
☒ Other: Assessment of SSDS System		Kleinfelder
☒ Other: Site prep work (small tree & limb clearing, material deliveries, decon pad setup)		Kleinfelder oversight of subcontractor
☒ Other: Gate installation		Kleinfelder oversight of subcontractor

XII. AIR MONITORING INSTRUMENTS TO BE EMPLOYED

(Refer to Kleinfelder's Site Health and Safety Manual: Section Monitoring-5.5)

Monitoring instrumentation to be used:(SEE PROCEDURES FOR MONITORING, BELOW)

☒ Combustible Gas Indicator	☐ Particulate Monitor
☒ Oxygen Meter	☐ Multi-gas Meter
☐ Dual CGI and O2	☐ Other: _____
☐ Flame Ionization Detector	☐ Other: _____
☒ Photo Ionization Detector Lamp Size	☒ Other: <u>(11.7 eV lamp)</u>
☐ Hydrogen Sulfide Detector	☐ Other: _____
☒ Colorimetric Indicator Tubes	☐ Other: _____
☐ Type(s): <u>___vinyl chloride</u>	
☐ Personnel Sampling Pump w/ media	

Specific Personnel Air Monitoring Procedures to be initially employed:

Instantaneous vapor concentrations are to be monitored at random intervals. If there is an anticipated or suspected increase in the potential exposure concentrations, the sampling/monitoring routine described below must be completed.

Exposure monitoring procedures for concentrations at/above Action Level:

Personnel air monitoring samples are to be collected in workers' breathing zone (18"-24" from mouth/nose) using the monitoring instruments specified above. Air monitoring shall be conducted prior to site activities and at least once every 2 hours. Sampling shall be conducted continuously for 15 minutes per collection. Any sustained readings above the action level listed in Section V shall require additional evaluation and possibly an upgrade to Level C protection. If an upgrade to PPE is required, downgrades to lower levels of PPE will require the results of at least 2 consecutive monitoring runs to be below the action level(s) listed in Section VI. Decisions regarding PPE upgrade or downgrade requirements shall be discussed with the PHSO prior to implementing.

XIII. DECONTAMINATION PROCEDURES

To reduce the physical transfer of contaminants or suspected contaminants from the exclusion zone by personnel and/or equipment, decontamination procedures will be instituted. A CRZ may be designated for each work area based on site-specific and task specific evaluations.

A decontamination pad will be constructed during site preparation work in a pre-determined area. All down-hole drilling equipment and non-dedicated/non-disposable drilling and well development equipment as well as geophysical and packer testing equipment will be decontaminated prior to use at the site, in between each well location, and prior to leaving the site. The wastewater will be collected and pumped into a frac tank for later offsite disposal by the client.

Personal protective equipment worn into work zones with chemical contamination will be placed in bins for disposal.

Direct skin contact with contaminated or suspected contaminated materials shall be avoided. Individuals whose skin comes into contact with contaminated or suspected contaminated materials must immediately remove the contaminated material and wash the skin with soap and water, and if necessary, seek medical attention. Workers shall wash with soap and water prior to leaving the pre-established Contaminant Reduction Zone(CRZ).

A hand washing station (or hand washing materials) will be available to Kleinfelder employees on the site. Subcontractor personnel shall provide their own hand washing materials. The station (or materials) will be located in an accessible area and will be located in a separate area other than the Exclusion Zone; this area will be the designated CRZ.

Generated wastes must be disposed of in accordance with federal, state, and local regulations following client specific requirements and guidance. All solid wastes generated will be drummed for later offsite removal. Waste soil cuttings will be collected into a roll off for later offsite disposal. Groundwater extracted from soil borings and monitoring wells will be collected into a frac tank. Wastewater will be removed from the frac tank for offsite disposal by the client.

XIV. TRAINING REQUIREMENTS FOR SITE PERSONNEL

(Refer to Kleinfelder's Corporate Health and Safety Manual: Section 2.1: HAZWOPER 3.28)

In addition to initial site-specific health and safety training, Kleinfelder Project Team Members who will be on site shall be required to be trained in accordance with 29CFR 1910.120, Hazardous Waste Operations and Emergency Response. Any other personnel visiting the site must check in with the SHSO, or designee, for orientation and briefing of site hazards.

Kleinfelder and Kleinfelder's subcontractors on-site may be required to have been trained in accordance with 29CFR 1910.120, depending on the nature of their work, exposure potential, and specific type of activities being conducted. However, each will be trained on site-specific hazards, site conditions and emergency operating procedures as well as other pertinent topics prior to job initiation in the areas of environmental concern (AOEC). Kleinfelder and Kleinfelder's subcontractors on-site are required to attend pre-work "tailgate" meetings. These meetings shall discuss health and safety items related to those activities.

In the event hazardous material or other conditions are encountered in the AOEC requiring upgrade from modified Level D, activities in the AOEC will be stopped. Continuation of work and entry into the AOEC will be conducted by personnel trained in accordance with 29 CFR 1910.120.

If respiratory protection is required (refer to Kleinfelder's Health and Safety Manual: Respiratory Protection Section 5.4), certification of mandatory training, medical monitoring and documentation of respirator fit testing shall be provided to the SHSO before personnel are permitted onsite. These records will be maintained as part of the project file.

All personnel will also be trained by their respective companies on Hazard Communication and Globally Harmonized System of chemicals and labeling related to chemicals used in the execution of their work.

XV. ACCIDENT REPORTING AND INVESTIGATIONS

(Refer to Kleinfelder's Health and Safety Manual: Section 2.3)

In the event of an injury, near loss, or incident, SHSO or Subcontractor must **IMMEDIATELY**:

- Evaluate the need for medical treatment and administer First Aid. Immediately call 911 if an injury or illness is life-threatening.
- IMMEDIATELY stop operations, provide basic first aid as training allows and notify Kleinfelder SHSO onsite.
- NOTE: the Site First Aid Kit will be kept in a visible location based upon work and the location will be identified at the beginning of each shift to all personnel on-site. At a minimum a basic Construction First Aid Kit with supplies adequate for the number of personnel on-site will be provided.
- IMMEDIATELY notify Kleinfelder Project Management and Program Manager.
- For non-life-threatening injuries that do not require IMMEDIATE medical treatment but do need either attention at an occupational clinic or onsite first aid, **WorkCare (888-449-7787)** must be notified to assist with the management of the incident. *WorkCare* provides physician and nurse support at the time of the incident to recommend the correct action for appropriate patient care. *WorkCare* will discuss with the injured person and provide confidential medical recommendations regarding the injured person's options for care and treatment. If an injured person selects to visit either the Preferred or Local Clinic, the *WorkCare* representative will call ahead of the patient's arrival to relay any relevant incident information to the physician at the clinic.
- Complete Accident/Injury Report as soon as possible, describing the incident/injury/near miss IN DETAIL.
- Complete Driver's Accident Report/Automobile Loss Notice Form (if applicable)
- Refer to Kleinfelder Site Health and Safety Procedures for detailed responsibilities.

Spill Containment

Spill containment materials will be available on-site when activities that may result in a spill are occurring. These materials will be present in the immediate work area and personnel will be made knowledgeable of their location. In the event of a spill, leak or other release resulting in loss of contaminated material, staff will notify Kleinfelder Project Manager as soon as possible after the spill. If the spill does not present imminent danger to staff, the spill will be contained and containerized to the extent feasible. This may include:

- Use of sorbent pads or socks;
- Storing material in approved drums or other container until appropriate container can be received;
- Inspection of containers for integrity and repackaging inappropriate containers or containers showing signs of failure.

In the case of a large spill, emergency responders may be required.

All spills will be reported to the Project Manager. The quantity and type of material spilled will be evaluated by the Kleinfelder Project Manager and client and additional notifications to regulatory agencies will be made if necessary. A loss investigation will be conducted for all spills to air, soil, or water. If materials are spilled onto non-porous surfaces they may be investigated as a Near-loss.

XVI. HASP REVISIONS/SITE CONDITION CHANGE FORM

Non-Conformance of Site Health and Safety Procedures/Comments regarding implementation:

Change in Site Conditions: _____

___ Site personnel notified and informed of changes on: Date/time notified: _____

___ Subcontractor Notification and Consent Form updated. Date performed: _____

Plan of Action for Non-routine task/HASP Non-Conformance Issues/Change in conditions: _____

Incident Summary: ___ NA ___ Evacuation ___ Hazardous material over exposure

___ Injury ___ Near ___ OTHER: _____

(complete accident investigation form, see Kleinfelder Health and Safety Manual Section 2.3 Kleinfelder SOP Manual, SOP#15 for a complete analysis)

___ PM notified ___ Client notified ___ OSHA notified

___ HASP Revision Document Submitted to H&S Department for HASP revision:

Name of Submitter: _____ DATE: _____

Received By: _____ DATE: _____

FORWARD TO PROJECT MANAGER FOR HASP REVISION AS NECESSARY; FILE A COPY UNDER "SITE INSPECTION" IN AUDIT FILE

Revision History:

DATE	EMPLOYEE	REVISIONS

XVII. HEALTH AND SAFETY PLAN SIGNATURE SHEET

All personnel are required to read this Site-Specific HASP (and addenda, if necessary). The following site personnel have reviewed the above plan, are familiar with its provisions, and understand the potential hazards and required personal equipment.

[illegible]

APPENDIX A
SITE-SPECIFIC SDS SHEETS

SAFETY DATA SHEET

CITGO Gasolines, All Grades Unleaded



Section 1. Identification

GHS product identifier	: CITGO Gasolines, All Grades Unleaded
Synonyms	: Unleaded Gasolines; Conventional Unleaded Gasoline with Ethanol; Unleaded Gasoline with Ethanol; Reformulated Unleaded Gasoline with Ethanol; Motor Gasolines; Petrol; Automobile Motor Fuels; Finished Gasolines; Gasoline, Regular Unleaded; Gasoline, Mid-grade Unleaded; Gasoline, Premium Unleaded; Reformulated Gasolines (RFG); Reformulated Motor Fuels; Oxygenated Motor Spirits; Gasoline, Regular Reformulated; Gasoline, Mid-grade Reformulated; Gasoline, Premium Reformulated; RBOB; GTAB; Arizona Clean Burning Gasoline (CBG); CARB Gasoline with Ethanol.
Material uses	: Fuel.
Code	: Various
MSDS #	: UNLEAD
Supplier's details	: CITGO Petroleum Corporation P.O. Box 4689 Houston, TX 77210 sdsvend@citgo.com
Emergency telephone number	: Technical Contact: (832) 486-4000 Medical Emergency: (832) 486-4700 CHEMTREC Emergency: (800) 424-9300 (United States Only)

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: FLAMMABLE LIQUIDS - Category 2 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B GERM CELL MUTAGENICITY - Category 1B CARCINOGENICITY - Category 1B TOXIC TO REPRODUCTION [Fertility] - Category 2 TOXIC TO REPRODUCTION [Unborn child] - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [central nervous system (CNS)] - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation and Narcotic effects] - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 ASPIRATION HAZARD - Category 1

GHS label elements

Hazard pictograms



Signal word

Hazard statements

- : Danger
- : Highly flammable liquid and vapor.
Causes skin and eye irritation.
May cause genetic defects.
May cause cancer.
Suspected of damaging fertility or the unborn child.
May be fatal if swallowed and enters airways.
May cause damage to organs. (central nervous system (CNS))
May cause respiratory irritation.
May cause drowsiness and dizziness.

Section 2. Hazards identification

Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Wear eye or face protection. Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Response

: Get medical attention if you feel unwell. IF exposed or if you feel unwell: Call a POISON CENTER or physician. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. If skin irritation occurs: Get medical attention.

Storage

: Store locked up. Store in a well-ventilated place. Keep cool.

Disposal

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements

: Avoid contact with skin and clothing. Wash thoroughly after handling.

Hazards not otherwise classified

: Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

Substance/mixture

: Substance

Other means of identification

: Unleaded Gasolines; Conventional Unleaded Gasoline with Ethanol; Unleaded Gasoline with Ethanol; Reformulated Unleaded Gasoline with Ethanol; Motor Gasolines; Petrol; Automobile Motor Fuels; Finished Gasolines; Gasoline, Regular Unleaded; Gasoline, Mid-grade Unleaded; Gasoline, Premium Unleaded; Reformulated Gasolines (RFG); Reformulated Motor Fuels; Oxygenated Motor Spirits; Gasoline, Regular Reformulated; Gasoline, Mid-grade Reformulated; Gasoline, Premium Reformulated; RBOB; GTAB; Arizona Clean Burning Gasoline (CBG); CARB Gasoline with Ethanol.

Ingredient name	%	CAS number
Toluene	<20	108-88-3
Pentane, all isomers	<20	109-66-0
Xylenes, mixed isomers	<20	1330-20-7
Hexane, other isomers	<15	*
Heptane, all isomers	<15	142-82-5
Ethanol	0 - 10	64-17-5
Butane	0 - 10	106-97-8
Benzene	<4.9	71-43-2
Cumene	<4	98-82-8
Ethylbenzene	<4	100-41-4
n-Hexane	<3	110-54-3
Cyclohexane	<3	110-82-7
1,2,4-Trimethylbenzene	<2	95-63-6
Naphthalene	<2	91-20-3

* = Various

** = Mixture

*** = Proprietary

Any concentration shown as a range is to protect confidentiality or is due to process variation.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that gas or vapor is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute

Potential acute health effects

- Eye contact** : Causes eye irritation.
- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness. May cause respiratory irritation. Breathing high concentrations can cause irregular heartbeats which can be fatal.
- Skin contact** : Causes skin irritation. Defatting to the skin.
- Ingestion** : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness
Breathing high concentrations can cause irregular heartbeats which can be fatal.
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
dryness
cracking
- Ingestion** : Adverse symptoms may include the following:
nausea or vomiting

Indication of immediate medical attention and special treatment needed, if necessary

Section 4. First aid measures

- Notes to physician** : This material (or a component) may sensitize the heart to the effects of sympathomimetic amines. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in individuals exposed to this material. If ingested, this material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left lateral decubitus position.
- Specific treatments** : Treat symptomatically and supportively.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that gas or vapor is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

- Specific hazards arising from the chemical** : Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Extinguishing media**
- Suitable extinguishing media** : Use dry chemical, carbon dioxide (CO₂), water spray (fog) or foam. SMALL FIRE: Steam, CO₂, dry chemical or inert gas (e.g., nitrogen). LARGE FIRE: Use foam, water fog or water spray. Water fog and spray are effective in cooling containers and adjacent structures. However, water can cause frothing and/or may not extinguish the fire. Water can be used to cool the external walls of vessels to prevent excessive pressure, ignition or explosion.
- Unsuitable extinguishing media** : Do not use water jet.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Section 6. Accidental release measures

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Use only as a motor fuel. Do not syphon by mouth. Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container. Non equilibrium conditions may increase the fire hazard associated with this product. Always bond receiving containers to the fill pipe before and during loading. Always confirm that receiving container is properly grounded. Bonding and grounding alone may be inadequate to eliminate fire and explosion hazards. Carefully review operations that may increase the risks such as tank and container filling, tank cleaning, sampling, gauging, loading, filtering, mixing, agitation, etc. In addition to bonding and grounding, efforts to mitigate the hazards may include, but are not limited to, ventilation, inerting and/or reduction of transfer velocities. Always keep nozzle in contact with the container throughout the loading process. Do NOT fill any portable container in or on a vehicle.

Special precautions, such as reduced loading rates and increased monitoring, must be observed during "switch loading" operations (i.e., loading this material in tanks or shipping compartments that previously contained a dissimilar product).

- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental

Section 7. Handling and storage

contamination.

Bulk Storage Conditions: Maintain all storage tanks in accordance with applicable regulations. Use necessary controls to monitor tank inventories. Inspect all storage tanks on a periodic basis. Test tanks and associated piping for tightness. Maintain the automatic leak detection devices to assure proper working condition.

Section 8. Exposure controls/personal protection

[Control parameters](#)

[Occupational exposure limits](#)

Ingredient name	Exposure limits
Pentane, all isomers	ACGIH TLV (United States, 4/2014). TWA: 1000 ppm 8 hours. OSHA PEL (United States, 2/2013). TWA: 1000 ppm 8 hours. TWA: 2950 mg/m ³ 8 hours.
Toluene	OSHA PEL Z2 (United States, 2/2013). TWA: 200 ppm 8 hours. CEIL: 300 ppm AMP: 500 ppm 10 minutes. ACGIH TLV (United States, 4/2014). TWA: 20 ppm 8 hours.
Xylenes, mixed isomers	ACGIH TLV (United States, 4/2014). TWA: 100 ppm 8 hours. TWA: 434 mg/m ³ 8 hours. STEL: 150 ppm 15 minutes. STEL: 651 mg/m ³ 15 minutes. OSHA PEL (United States, 2/2013). TWA: 100 ppm 8 hours. TWA: 435 mg/m ³ 8 hours.
Hexane, other isomers	ACGIH (United States). TWA: 500 ppm 8 hours. STEL: 1000 ppm 15 minutes.
Heptane, all isomers	ACGIH TLV (United States, 4/2014). TWA: 400 ppm 8 hours. TWA: 1640 mg/m ³ 8 hours. STEL: 500 ppm 15 minutes. STEL: 2050 mg/m ³ 15 minutes. OSHA PEL (United States, 2/2013). TWA: 500 ppm 8 hours. TWA: 2000 mg/m ³ 8 hours.
Ethanol	ACGIH (United States). TWA: 1000 ppm 8 hours. OSHA (United States). TWA: 1000 ppm 8 hours. ACGIH TLV (United States, 4/2014). STEL: 1000 ppm 15 minutes. OSHA PEL (United States, 2/2013). TWA: 1000 ppm 8 hours. TWA: 1900 mg/m ³ 8 hours.
Butane	ACGIH (United States). TWA: 800 ppm 8 hours. ACGIH TLV (United States, 4/2014). STEL: 1000 ppm 15 minutes.
Benzene	ACGIH TLV (United States, 4/2014). Absorbed through skin. TWA: 0.5 ppm 8 hours. TWA: 1.6 mg/m ³ 8 hours. STEL: 2.5 ppm 15 minutes. STEL: 8 mg/m ³ 15 minutes.

Section 8. Exposure controls/personal protection

Cumene	OSHA PEL (United States, 2/2013). TWA: 1 ppm 8 hours. STEL: 5 ppm 15 minutes. OSHA PEL Z2 (United States, 2/2013). TWA: 10 ppm 8 hours. CEIL: 25 ppm AMP: 50 ppm 10 minutes. ACGIH TLV (United States, 4/2014). TWA: 50 ppm 8 hours. OSHA PEL (United States, 2/2013). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 245 mg/m³ 8 hours.
Ethylbenzene	ACGIH TLV (United States, 4/2014). TWA: 20 ppm 8 hours. OSHA PEL (United States, 2/2013). TWA: 100 ppm 8 hours. TWA: 435 mg/m³ 8 hours.
n-Hexane	ACGIH TLV (United States, 4/2014). Absorbed through skin. TWA: 50 ppm 8 hours. OSHA PEL (United States, 2/2013). TWA: 500 ppm 8 hours. TWA: 1800 mg/m³ 8 hours.
Cyclohexane	ACGIH TLV (United States, 4/2014). TWA: 100 ppm 8 hours. OSHA PEL (United States, 2/2013). TWA: 300 ppm 8 hours. TWA: 1050 mg/m³ 8 hours.
1,2,4-Trimethylbenzene	ACGIH TLV (United States, 4/2014). TWA: 25 ppm 8 hours. TWA: 123 mg/m³ 8 hours.
Naphthalene	ACGIH (United States). Absorbed through skin. TWA: 10 ppm 8 hours. STEL: 15 ppm 15 minutes. OSHA (United States). TWA: 10 ppm 8 hours. ACGIH TLV (United States, 4/2014). Absorbed through skin. TWA: 10 ppm 8 hours. TWA: 52 mg/m³ 8 hours. OSHA PEL (United States, 2/2013). TWA: 10 ppm 8 hours. TWA: 50 mg/m³ 8 hours.

Appropriate engineering controls

- : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls

- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, vapor controls, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Section 8. Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If inhalation hazards exist, a full-face respirator may be required instead.
- Skin protection**
- Hand protection** : Avoid skin contact with liquid. Chemical-resistant gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Recommended: Heavy duty, industrial grade chemically resistant gloves constructed of nitrile, neoprene, polyethylene, fluoroelastomer rubber or polyvinyl chloride as approved by glove manufacturer. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. Leather gloves are not protective for liquid contact.
- Body protection** : Avoid skin contact with liquid. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Avoid skin contact with liquid. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Leather boots are not protective for liquid contact.
- Respiratory protection** : Avoid inhalation of gases, vapors, mists or dusts. Use a properly fitted, air-purifying or supplied-air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If an air purifying respirator is appropriate, use one equipped with cartridges rated for organic vapors.

Section 9. Physical and chemical properties

- Physical state** : Liquid.
- Color** : Transparent, clear to amber or red.
- Odor** : Pungent, characteristic gasoline.
- pH** : Not applicable
- Boiling point/boiling range** : 38 to 204°C (100.4 to 399.2°F)
- Flash point** : Closed cup: -43°C (-45.4°F) [Tagliabue [ASTM D-56]]
- Evaporation rate** : 7.5 (n-butyl acetate. = 1)
- Lower and upper explosive (flammable) limits** : Lower: 1.4%
Upper: 7.6%
- Vapor pressure** : 29.3 to 60 kPa (220 to 450 mm Hg) [room temperature]
- Vapor density** : 3 to 4 [Air = 1]
- Relative density** : 0.72 to 0.77
- Solubility** : Very slightly soluble in the following materials: cold water.
- Auto-ignition temperature** : 280°C (536°F)
- Viscosity** : Kinematic (room temperature): <0.01 cm²/s (<1 cSt)

Section 10. Stability and reactivity

Reactivity	: Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS Definition(s).
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Toluene	LC50 Inhalation Vapor	Rat	>20 mg/l	4 hours
	LD50 Dermal	Rabbit	12267 mg/kg	-
	LD50 Oral	Rat - Male	5580 mg/kg	-
	TDLo Oral	Rat	1000 mg/kg	-
Xylenes, mixed isomers	LC50 Inhalation Vapor	Rat	5000 ppm	4 hours
	LC50 Inhalation Vapor	Rat	6700 ppm	4 hours
	LD50 Oral	Mouse	2119 mg/kg	-
	LD50 Oral	Rat	4300 mg/kg	-
	LD50 Oral	Rat	4300 mg/kg	-
Hexane, other isomers	LC50 Inhalation Gas.	Rat	48000 ppm	4 hours
Heptane, all isomers	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Ethanol	LC50 Inhalation Vapor	Mouse	>40000 ppm	10 minutes
	LC50 Inhalation Vapor	Rat	124700 mg/m ³	4 hours
	LD50 Oral	Guinea pig	5560 mg/kg	-
	LD50 Oral	Rabbit	6300 mg/kg	-
Butane	LD50 Oral	Rat	7060 mg/kg	-
	LC50 Inhalation Vapor	Mouse	680000 mg/m ³	2 hours
	LC50 Inhalation Vapor	Rat	658000 mg/m ³	4 hours
Benzene	LC50 Inhalation Vapor	Rat	10000 ppm	7 hours
	LD50 Oral	Mammal - species unspecified	5700 mg/kg	-
	LD50 Oral	Mouse	4700 mg/kg	-
	LD50 Oral	Rat	6400 mg/kg	-
Cumene	LC50 Inhalation Vapor	Mouse	10 g/m ³	7 hours
	LD50 Dermal	Rabbit	12300 uL/kg	-
	LD50 Oral	Rat	2.9 g/kg	-
	LD50 Oral	Rat	4000 mg/kg	-
Ethylbenzene	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-
n-Hexane	LC50 Inhalation Vapor	Rat	48000 ppm	4 hours
	LD50 Oral	Rat	15840 mg/kg	-
Cyclohexane	LC50 Inhalation Vapor	Mouse	70000 mg/m ³	2 hours
	LD50 Oral	Rat	6240 mg/kg	-
	LD50 Oral	Rat	12705 mg/kg	-

Section 11. Toxicological information

1,2,4-Trimethylbenzene	LD50 Oral	Rat	>5000 mg/kg	-
	LDLo Oral	Rabbit	5500 mg/kg	-
	LC50 Inhalation Vapor	Rat	18000 mg/m ³	4 hours
	LD50 Oral	Mouse	6900 mg/kg	-
Naphthalene	LD50 Oral	Rat	5 g/kg	-
	LD50 Oral	Rat	490 mg/kg	-

Conclusion/Summary

Pentane, all isomers: Studies of pentane isomers in laboratory animals indicate exposure to extremely high levels (roughly 10 vol.%) may induce cardiac arrhythmias (irregular heartbeats) which may be serious or fatal.

Toluene: Deliberate inhalation of toluene at high concentrations (e.g., glue sniffing and solvent abuse) can cause CNS depression, cardiac arrhythmias and death.

Xylenes, mixed isomers: Overexposure to xylene may cause upper respiratory tract irritation, headache, cyanosis, blood serum changes, CNS damage and narcosis. Effects may be increased by the use of alcoholic beverages. Evidence of liver and kidney impairment were reported in workers recovering from a gross over-exposure.

Heptane, all isomers: Heptane is a CNS depressant and narcosis at elevated concentrations.

Ethanol: Inhalation exposure to ethanol vapor at concentrations above applicable workplace exposure levels is expected to produce eye and mucus membrane irritation. Human exposure at concentrations from 1000 to 5000 ppm produced symptoms of narcosis, stupor and unconsciousness. Subjects exposed to ethanol vapor in concentrations between 500 and 10,000 ppm experienced coughing and smarting of the eyes and nose. At 15,000 ppm there was continuous lacrimation and coughing. While extensive acute and chronic effects can be expected with ethanol consumption, ingestion is not expected to be a significant route of exposure to this product.

Butane: Studies in laboratory animals indicate exposure to extremely high levels of butanes (1-10 or higher vol.% in air) may cause cardiac arrhythmias (irregular heartbeats) which may be serious or fatal.

Cumene: Overexposure to cumene may cause upper respiratory tract irritation and CNS depression.

n-Hexane: n-Hexane is a CNS depressant and narcosis at elevated concentrations.

Cyclohexane: Cyclohexane is a CNS depressant and narcosis at elevated concentrations.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Toluene	Eyes - Mild irritant	Rabbit	-	0.5 minutes	-
	Eyes - Mild irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Pig	-	870 Micrograms	-
	Skin - Mild irritant	Rabbit	-	24 hours 250 microliters	-
	Skin - Moderate irritant	Rabbit	-	435 milligrams	-
Xylenes, mixed isomers	Skin - Mild irritant	Rabbit	-	500 milligrams	-
	Skin - Moderate irritant	Rat	-	8 hours 60 microliters	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
Ethanol	Skin - Moderate irritant	Rabbit	-	100 Percent	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	0.066666667 minutes 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	100 microliters	-
	Skin - Mild irritant	Rabbit	-	400 milligrams	-

Section 11. Toxicological information

Benzene	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	88 milligrams	-
	Skin - Mild irritant	Rat	-	8 hours 60 microliters	-
Cumene	Skin - Mild irritant	Rabbit	-	24 hours 15 milligrams	-
	Eyes - Mild irritant	Rabbit	-	86 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 10 milligrams	-
Ethylbenzene	Skin - Mild irritant	Rabbit	-	24 hours 15 milligrams	-
n-Hexane	Eyes - Mild irritant	Rabbit	-	10 milligrams	-
1,2,4-Trimethylbenzene	Skin - Edema	Rabbit	3	-	-
Naphthalene	Skin - Mild irritant	Rabbit	-	495 milligrams	-

Skin

- : **Xylenes, mixed isomers:** May cause skin irritation.
- : **Cyclohexane:** Cyclohexane can cause eye, skin and mucous membrane irritation.

Eyes

- : **Xylenes, mixed isomers:** May cause eye irritation.

Respiratory

- : No additional information.

Sensitization

Skin

- : **Toluene:** Non-sensitizer to skin.

Respiratory

- : **Toluene:** Non-sensitizer to lungs.

Mutagenicity

Conclusion/Summary

- : **Heptane, all isomers:** n-heptane was not mutagenic in the Salmonella/microsome (Ames) assay.
- : **Benzene:** Some studies of workers exposed to benzene have shown an association with increased rates of chromosome aberrations in circulating lymphocytes.

Carcinogenicity

Product/ingredient name	Result	Species	Dose	Exposure
Benzene	Positive - Inhalation - TD	Rat - Female	-	-

Conclusion/Summary

- : **Ethanol:** IARC Monograph 96 (2010) identified Ethanol in alcoholic beverages as a Group 1 carcinogen.
- : **Benzene:** Studies of workers exposed to benzene show clear evidence that over-exposure can cause cancer of the blood forming organs (acute myelogenous leukemia) and aplastic anemia. Also, studies suggest over-exposure to benzene may be associated with other types of leukemia and other blood disorders. Studies in laboratory animals indicate that prolonged, repeated exposure to high levels of benzene vapor can cause bone marrow suppression and cancer in multiple organ systems.
- : **Ethylbenzene:** Findings from a 2-year inhalation study in rodents conducted by NTP were as follows: Effects were observed only at the highest exposure level (750 ppm). At this level the incidence of renal tumors was elevated in male rats (tubular carcinomas) and female rats (tubular adenomas). Also, the incidence of tumors was elevated in male mice (alveolar and bronchiolar carcinomas) and female mice (hepatocellular carcinomas). IARC has classified ethyl benzene as "possibly carcinogenic to humans" (Group 2B).
- : **Cumene:** Studies in laboratory animals indicate evidence of adverse effects on the kidney and adrenal glands following high level exposure. The relevance of these findings to humans is not clear at this time. IARC has classified cumene as "possibly carcinogenic to humans" (Group 2B). In addition, NTP has determined cumene is reasonably anticipated to be a human carcinogen based on sufficient evidence of carcinogenicity from studies in experimental animals.

Classification

Section 11. Toxicological information

Product/ingredient name	OSHA	IARC	NTP
Toluene	-	3	-
Xylenes, mixed isomers	-	3	-
Ethanol	-	1	-
Benzene	+	1	Known to be a human carcinogen.
Ethylbenzene	-	2B	-
Cumene	-	2B	Reasonably anticipated to be a human carcinogen.
Naphthalene	-	2B	Reasonably anticipated to be a human carcinogen.

Reproductive toxicity

Conclusion/Summary

Toluene: Case studies of persons abusing toluene suggest isolated incidences of adverse effects on the fetus including birth defects. Several studies of workers suggest long-term exposure may be related to small increases in spontaneous abortions and changes in some gonadotropic hormones. However, the weight of evidence does not indicate toluene is a reproductive hazard to humans. Studies in laboratory animals indicate some changes in reproductive organs following high levels of exposure, but no significant effects on mating performance or reproduction were observed. Case studies of persons abusing toluene suggest isolated incidences of adverse effects on the fetus including birth defects. Findings in laboratory animals were largely negative. Positive findings include small increases in minor skeletal and visceral malformations and developmental delays following very high levels of maternal exposure.

Benzene: One study of women workers exposed to benzene suggested a weak association with irregular menstruation. However, other studies of workers exposed to benzene have not demonstrated clear evidence of an effect on fertility or reproductive outcome in humans. Benzene can cross the placenta and affect the developing fetus. Cases of aplastic anemia have been reported in the offspring of persons severely over-exposed to benzene. Studies in laboratory animals show evidence of adverse effects on male reproductive organs following high levels of exposure but no significant effects on reproduction have been observed. Embryotoxicity has been reported in studies of laboratory animals but effects were limited to reduced fetal weight and skeletal variations.

Ethylbenzene: Studies in laboratory animals indicate limited evidence of renal malformations, resorptions, and developmental delays following high levels of maternal exposure. The relevance of these findings to humans is not clear at this time.

n-Hexane: In laboratory studies, prolonged exposure to elevated concentrations of n-hexane was associated with decreased sperm count and degenerative changes in the testicles of rats.

Teratogenicity

Product/ingredient name	Result	Species	Dose	Exposure
Benzene	Negative - Inhalation	Rat	-	-

Conclusion/Summary

: No additional information.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Toluene	Category 3	Not applicable.	Narcotic effects
Pentane, all isomers	Category 3	Not applicable.	Narcotic effects
Hexane, other isomers	Category 3	Not applicable.	Narcotic effects
Heptane, all isomers	Category 3	Not applicable.	Narcotic effects
Ethanol	Category 3	Not applicable.	Respiratory tract irritation
Butane	Category 2	Not determined	central nervous system (CNS)
Cumene	Category 3	Not applicable.	Respiratory tract irritation
Ethylbenzene	Category 3	Not applicable.	Respiratory tract irritation
n-Hexane	Category 3	Not applicable.	Narcotic effects
Cyclohexane	Category 3	Not applicable.	Narcotic effects

Section 11. Toxicological information

1,2,4-Trimethylbenzene	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Toluene	Category 2	Inhalation	kidneys
Benzene	Category 1	Inhalation	blood system
n-Hexane	Category 2	Inhalation	peripheral nervous system

Aspiration hazard

Name	Result
CITGO Gasolines, All Grades Unleaded	ASPIRATION HAZARD - Category 1
Pentane, all isomers	ASPIRATION HAZARD - Category 1
Toluene	ASPIRATION HAZARD - Category 1
Hexane, other isomers	ASPIRATION HAZARD - Category 1
Heptane, all isomers	ASPIRATION HAZARD - Category 1
Benzene	ASPIRATION HAZARD - Category 1
Cumene	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1
n-Hexane	ASPIRATION HAZARD - Category 1
Cyclohexane	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact : Causes eye irritation.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness. May cause respiratory irritation. Breathing high concentrations can cause irregular heartbeats which can be fatal.

Skin contact : Causes skin irritation. Defatting to the skin.

Ingestion : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness
Breathing high concentrations can cause irregular heartbeats which can be fatal.

Skin contact : Adverse symptoms may include the following:
irritation
redness
dryness
cracking

Ingestion : Adverse symptoms may include the following:
nausea or vomiting

Potential chronic health effects

Section 11. Toxicological information

General	: Causes damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Carcinogenicity	: May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	: May cause genetic defects.
Teratogenicity	: Suspected of damaging the unborn child.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: Suspected of damaging fertility.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Toluene	Acute EC50 433 ppm Marine water	Algae - Skeletonema costatum	96 hours
	Acute EC50 12500 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 11600 µg/l Fresh water	Crustaceans - Gammarus pseudolimnaeus - Adult	48 hours
	Acute EC50 6000 µg/l Fresh water	Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Acute LC50 5500 µg/l Fresh water	Fish - Oncorhynchus kisutch - Fry	96 hours
Xylenes, mixed isomers	Chronic NOEC 500000 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Chronic NOEC 1000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
	Acute EC50 90 mg/l Fresh water	Crustaceans - Cypris subglobosa	48 hours
	Acute LC50 8.5 ppm Marine water	Crustaceans - Palaemonetes pugio - Adult	48 hours
	Acute LC50 8500 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 15700 µg/l Fresh water	Fish - Lepomis macrochirus - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Acute LC50 19000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
Heptane, all isomers	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute LC50 16940 µg/l Fresh water	Fish - Carassius auratus	96 hours
	Acute EC50 1.5 mg/l	Daphnia - Daphnia magna	48 hours
	Acute LC50 4 mg/l	Fish - Carassius auratus	24 hours
	Acute LC50 375000 µg/l Fresh water	Fish - Oreochromis mossambicus	96 hours
Ethanol	Acute LC50 4924 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
	Acute EC50 17.921 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Acute EC50 2000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 25500 µg/l Marine water	Crustaceans - Artemia franciscana - Larvae	48 hours
	Acute LC50 42000 µg/l Fresh water	Fish - Oncorhynchus mykiss	4 days
Benzene	Chronic NOEC 4.995 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Chronic NOEC 0.375 ul/L Fresh water	Fish - Gambusia holbrooki - Larvae	12 weeks
	Acute EC50 29000 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 1360000 µg/l Fresh water	Algae - Scenedesmus abundans	96 hours
	Acute EC50 9230 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 21000 µg/l Marine water	Crustaceans - Artemia salina - Nauplii	48 hours
	Acute LC50 5.28 ul/L Fresh water	Fish - Oncorhynchus gorbuscha - Fry	96 hours
	Chronic NOEC 1.5 to 5.4 ul/L Marine water	Fish - Morone saxatilis - Juvenile (Fledgling, Hatchling, Weanling)	4 weeks

Section 12. Ecological information

Cumene	Acute EC50 2600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 7400 µg/l Fresh water	Crustaceans - Artemia sp. - Nauplii	48 hours
	Acute EC50 10600 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
Ethylbenzene	Acute LC50 2700 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Acute EC50 4600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 3600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 2930 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 5200 µg/l Marine water	Crustaceans - Americamysis bahia	48 hours
n-Hexane	Acute LC50 4200 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 1000 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute LC50 2500 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Cyclohexane	Acute LC50 4530 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute LC50 17000 µg/l Marine water	Crustaceans - Cancer magister - Zoea	48 hours
1,2,4-Trimethylbenzene	Acute LC50 4910 µg/l Marine water	Crustaceans - Elasmopus pecteniscus - Adult	48 hours
	Acute LC50 7720 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute LC50 22.4 mg/l Fresh water	Fish - Tilapia zillii	96 hours
Naphthalene	Acute EC50 1.6 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 2350 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 213 µg/l Fresh water	Fish - Melanotaenia fluviatilis - Larvae	96 hours
	Chronic NOEC 0.67 ppm Fresh water	Fish - Oncorhynchus kisutch	40 days

Conclusion/Summary : Not available.

Persistence and degradability

Conclusion/Summary : **Toluene**: Rapidly biodegradable in aerobic conditions.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Pentane, all isomers	3.45	171	low
Toluene	2.73	8.3	low
Xylenes, mixed isomers	3.12	8.1 to 25.9	low
Heptane, all isomers	4.66	552	high
Ethanol	-0.35	-	low
Butane	2.89	-	low
Benzene	2.13	4.27	low
Cumene	3.55	94.69	low
Ethylbenzene	3.6	-	low
n-Hexane	4	501.187	high
Cyclohexane	3.44	167	low
1,2,4-Trimethylbenzene	3.63	243	low
Naphthalene	3.4	36.5 to 168	low

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

RCRA classification : D001, D018

United States - RCRA Toxic hazardous waste "U" List

Ingredient	CAS #	Status	Reference number
Xylenes, mixed isomers	1330-20-7	Listed	U239
Toluene	108-88-3	Listed	U220
Benzene	71-43-2	Listed	U019
Cumene	98-82-8	Listed	U055
Cyclohexane	110-82-7	Listed	U056

Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	UN1203	UN 1203	UN1203
UN proper shipping name	UN 1203, Gasoline, 3 PG II.	UN 1203, Gasoline, 3 PG II.	UN 1203, Gasoline, 3 PG II.
Transport hazard class(es)	3 	3  	3 
Packing group	II	II	II
Environmental hazards	Yes.	Yes.	Yes.
Additional information	Packaging instruction Passenger aircraft Quantity limitation: 5 L Cargo aircraft Quantity limitation: 60 L	-	Cargo Aircraft Only Quantity limitation: 60 L Limited Quantities - Passenger Aircraft Quantity limitation: 5 L

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

U.S. Federal regulations

: **United States inventory (TSCA 8b):** All components are listed or exempted.

Clean Water Act (CWA) 307: Toluene; Benzene; Ethylbenzene; Naphthalene

Clean Water Act (CWA) 311: Xylenes, mixed isomers; Toluene; Benzene; Ethylbenzene; Cyclohexane; Naphthalene

This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

Clean Air Act (CAA) 112 regulated flammable substances: Pentane; Butane

SARA 302/304

Composition/information on ingredients

SARA 304 RQ

: Not applicable.

SARA 311/312

Classification

: Fire hazard
Immediate (acute) health hazard
Delayed (chronic) health hazard

Composition/information on ingredients

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Octanes, all isomers	Yes.	No.	No.	Yes.	No.
Pentane	Yes.	No.	No.	Yes.	No.
Toluene	Yes.	No.	No.	Yes.	Yes.
Hexane, other isomers	Yes.	No.	No.	Yes.	Yes.
Heptane	Yes.	No.	No.	Yes.	No.
Xylenes, mixed isomers	Yes.	No.	No.	Yes.	No.
Ethanol	Yes.	No.	No.	Yes.	Yes.
Butane	Yes.	Yes.	No.	Yes.	No.
Nonane, all isomers	Yes.	No.	No.	Yes.	No.
Benzene	Yes.	No.	No.	Yes.	Yes.
n-hexane	Yes.	No.	No.	Yes.	Yes.
Cumene	Yes.	No.	No.	Yes.	Yes.
Methylcyclohexane	Yes.	No.	No.	Yes.	No.
Trimethylbenzene, all isomers	Yes.	No.	No.	Yes.	Yes.
Ethylbenzene	Yes.	No.	No.	Yes.	Yes.
2,2,4-Trimethylpentane	Yes.	No.	No.	Yes.	No.
1,2,4-Trimethylbenzene	Yes.	No.	No.	Yes.	No.
Cyclohexane	Yes.	No.	No.	Yes.	No.
Cyclopentane	Yes.	No.	No.	Yes.	No.
Naphthalene	Yes.	No.	No.	Yes.	Yes.

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	Toluene	108-88-3	<20
	Xylenes, mixed isomers	1330-20-7	<20
	Benzene	71-43-2	<5
	Ethylbenzene	100-41-4	<4
	Cumene	98-82-8	<4
	n-Hexane	110-54-3	<3
	Cyclohexane	110-82-7	<3
	1,2,4-Trimethylbenzene	95-63-6	<2
	Naphthalene	91-20-3	<2

Section 15. Regulatory information

Supplier notification	Toluene	108-88-3	<20
	Xylenes, mixed isomers	1330-20-7	<20
	Benzene	71-43-2	<5
	Ethylbenzene	100-41-4	<4
	Cumene	98-82-8	<4
	n-Hexane	110-54-3	<3
	Cyclohexane	110-82-7	<3
	1,2,4-Trimethylbenzene	95-63-6	<2
	Naphthalene	91-20-3	<2

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

- Massachusetts** : The following components are listed: HEPTANE (N-HEPTANE); Xylenes, mixed isomers; Toluene; Octanes, all isomers; PENTANE; ETHYL ALCOHOL; BENZENE; Butane; Cumene; Ethylbenzene; Trimethylbenzene, all isomers; Methylcyclohexane; n-Hexane; Ethyltoluene; Cyclohexane; 2,2,4-Trimethylpentane; PSEUDOCUMENE; Cyclopentane
- New York** : The following components are listed: Toluene; Benzene; Cumene; Benzene, 1-methylethyl-; Ethylbenzene; Hexane; Cyclohexane; Benzene, hexahydro-; 2,2,4-Trimethylpentane; Naphthalene
- New Jersey** : The following components are listed: Gasoline
- Pennsylvania** : The following components are listed: Gasoline

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Ingredient name	%	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Gasoline engine exhaust (condensates / extracts)	100	Yes.	No.	No.	No.
Toluene	<20	No.	Yes.	No.	7000 µg/day (ingestion)
Ethanol	<10	Yes.	Yes.	No.	No.
Benzene	<5	Yes.	Yes.	6.4 µg/day (ingestion) 13 µg/day (inhalation)	24 µg/day (ingestion) 49 µg/day (inhalation)
Ethylbenzene	<5	Yes.	No.	41 µg/day (ingestion) 54 µg/day (inhalation)	No.
Cumene	<5	Yes.	No.	No.	No.
Naphthalene	<2	Yes.	No.	Yes.	No.

International regulations

International lists

- : **Australia inventory (AICS):** All components are listed or exempted.
China inventory (IECSC): All components are listed or exempted.
Japan inventory: All components are listed or exempted.
Korea inventory: All components are listed or exempted.
Malaysia Inventory (EHS Register): All components are listed or exempted.
New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
Philippines inventory (PICCS): All components are listed or exempted.
Taiwan inventory (CSNN): All components are listed or exempted.

Canada inventory

- : All components are listed or exempted.

EU Inventory

- : All components are listed or exempted.

WHMIS (Canada)

- : Class B-2: Flammable liquid
Class D-2A: Material causing other toxic effects (Very toxic).
Class D-2B: Material causing other toxic effects (Toxic).

Section 16. Other information

National Fire Protection Association (U.S.A.)



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History

Date of issue/Date of revision : 5/19/2015.

Key to abbreviations :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- UN = United Nations

Notice to reader

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SAFETY DATA SHEET

CITGO No. 2 Diesel Fuel, Ultra Low Sulfur, All Grades



Section 1. Identification

GHS product identifier	: CITGO No. 2 Diesel Fuel, Ultra Low Sulfur, All Grades
Chemical name	: Fuels, diesel, No 2
Synonyms	: No. 2-D Grade Diesel Fuel Oil (defined by ASTM D-975); Treated or Refined Diesel Fuel No. 2; Grade 2 Distillate Fuel; Hydrodesulfurized Middle Distillate; C9-C16 Petroleum Hydrocarbons; Ultra Low Sulfur Diesel Fuel
Code	: Various
MSDS #	: AG2ULS
Supplier's details	: CITGO Petroleum Corporation P.O. Box 4689 Houston, TX 77210 sdsvend@citgo.com
Emergency telephone number	: Technical Contact: (832) 486-4000 Medical Emergency: (832) 486-4700 CHEMTREC Emergency: (800) 424-9300 (United States Only)

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY: INHALATION - Category 4 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) [central nervous system (CNS)] - Category 2 ASPIRATION HAZARD - Category 1

GHS label elements

Hazard pictograms



Signal word

Hazard statements

- : Danger
- : Flammable liquid and vapor.
Harmful if inhaled.
Causes skin and eye irritation.
Suspected of causing cancer.
May be fatal if swallowed and enters airways.
May cause damage to organs through prolonged or repeated exposure. (central nervous system (CNS))

Precautionary statements

Prevention

- : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Wear eye or face protection. Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Wash hands thoroughly after handling.

Section 2. Hazards identification

Response	: Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage	: Store locked up. Store in a well-ventilated place. Keep cool.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards not otherwise classified	: None known.

Section 3. Composition/information on ingredients

Substance/mixture	: Substance
Chemical name	: Fuels, diesel, No 2
Other means of identification	: No. 2-D Grade Diesel Fuel Oil (defined by ASTM D-975); Treated or Refined Diesel Fuel No. 2; Grade 2 Distillate Fuel; Hydrodesulfurized Middle Distillate; C9-C16 Petroleum Hydrocarbons; Ultra Low Sulfur Diesel Fuel

CAS number/other identifiers

CAS number	: 68476-34-6

Ingredient name	%	CAS number
Ethyltoluene	<3	25550-14-5
Trimethylbenzene, all isomers	<2	25551-13-7
Naphthalene	<2	91-20-3
Biphenyl	<2	92-52-4
Cumene	<1	98-82-8
Xylenes, mixed isomers	<1	1330-20-7
Ethylbenzene	<1	100-41-4

* = Various ** = Mixture *** = Proprietary

Any concentration shown as a range is to protect confidentiality or is due to process variation.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that gas or vapor is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	: Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Section 4. First aid measures

- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute

Potential acute health effects

- Eye contact** : Causes eye irritation.
- Inhalation** : Harmful if inhaled. Long-term exposure to diesel engine exhaust may cause cancer.
- Skin contact** : Causes skin irritation.
- Ingestion** : May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : Adverse symptoms may include the following:
nausea or vomiting

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : If ingested, this material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left lateral decubitus position.
- Specific treatments** : Treat symptomatically and supportively.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that gas or vapor is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

- Specific hazards arising from the chemical** : Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Extinguishing media

- Suitable extinguishing media** : Use dry chemical, carbon dioxide (CO₂), water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

Section 5. Fire-fighting measures

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
Diesel engine exhaust
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container. Non equilibrium conditions may increase the fire hazard associated with this product. Always bond receiving containers to the fill pipe before and during loading. Always confirm that receiving container is properly grounded. Bonding and grounding alone

Section 7. Handling and storage

may be inadequate to eliminate fire and explosion hazards. Carefully review operations that may increase the risks such as tank and container filling, tank cleaning, sampling, gauging, loading, filtering, mixing, agitation, etc. In addition to bonding and grounding, efforts to mitigate the hazards may include, but are not limited to, ventilation, inerting and/or reduction of transfer velocities.

Always keep nozzle in contact with the container throughout the loading process. Do NOT fill any portable container in or on a vehicle.

Special precautions, such as reduced loading rates and increased monitoring, must be observed during "switch loading" operations (i.e., loading this material in tanks or shipping compartments that previously contained a dissimilar product).

Advice on general occupational hygiene

- : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

- : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Bulk Storage Conditions: Maintain all storage tanks in accordance with applicable regulations. Use necessary controls to monitor tank inventories. Inspect all storage tanks on a periodic basis. Test tanks and associated piping for tightness. Maintain the automatic leak detection devices to assure proper working condition.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Trimethylbenzene, all isomers	ACGIH TLV (United States, 4/2014).
	TWA: 25 ppm 8 hours.
	TWA: 123 mg/m ³ 8 hours.
Naphthalene	ACGIH (United States). Absorbed through skin.
	TWA: 10 ppm 8 hours.
	STEL: 15 ppm 15 minutes.
	OSHA (United States).
	TWA: 10 ppm 8 hours.
	ACGIH TLV (United States, 4/2014). Absorbed through skin.
	TWA: 10 ppm 8 hours.
	TWA: 52 mg/m ³ 8 hours.
	OSHA PEL (United States, 2/2013).
	TWA: 10 ppm 8 hours.
	TWA: 50 mg/m ³ 8 hours.
Biphenyl	OSHA PEL Z2 (United States).
	TWA: 0.2 ppm 8 hours.
	ACGIH TLV (United States, 4/2014).
	TWA: 0.2 ppm 8 hours.
	TWA: 1.3 mg/m ³ 8 hours.
	OSHA PEL (United States, 2/2013).
	TWA: 0.2 ppm 8 hours.
	TWA: 1 mg/m ³ 8 hours.
Cumene	ACGIH TLV (United States, 4/2014).
	TWA: 50 ppm 8 hours.
	OSHA PEL (United States, 2/2013). Absorbed through

Section 8. Exposure controls/personal protection

Xylenes, mixed isomers

skin.

TWA: 50 ppm 8 hours.

TWA: 245 mg/m³ 8 hours.**ACGIH TLV (United States, 4/2014).**

TWA: 100 ppm 8 hours.

TWA: 434 mg/m³ 8 hours.

STEL: 150 ppm 15 minutes.

STEL: 651 mg/m³ 15 minutes.**OSHA PEL (United States, 2/2013).**

TWA: 100 ppm 8 hours.

TWA: 435 mg/m³ 8 hours.

Ethylbenzene

ACGIH TLV (United States, 4/2014).

TWA: 20 ppm 8 hours.

OSHA PEL (United States, 2/2013).

TWA: 100 ppm 8 hours.

TWA: 435 mg/m³ 8 hours.

Appropriate engineering controls

- : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls

- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, vapor controls, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

- : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

- : Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Splash goggles. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. chemical splash goggles. If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

Hand protection

- : Chemical-resistant gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers.

Body protection

- : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

- : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

- : Use a properly fitted, air-purifying or supplied-air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Physical state	: Liquid.
Color	: Colorless to light yellow.
Odor	: Characteristic.
pH	: Not available.
Melting point	: -30 to -18°C (-22 to -0.4°F)
Boiling point/boiling range	: 282 to 338°C (539.6 to 640.4°F)
Flash point	: Closed cup: 52°C (125.6°F) [Pensky-Martens.]
Evaporation rate	: <1 (butyl acetate = 1)
Lower and upper explosive (flammable) limits	: Lower: 0.6% Upper: 6.5%
Vapor pressure	: 0.27 kPa (2 mm Hg) [room temperature]
Vapor density	: 5 [Air = 1]
Relative density	: 0.84
Density lbs/gal	: Estimated 7 lbs/gal
Gravity, °API	: Estimated 37 @ 60 F
Solubility	: Very slightly soluble in the following materials: cold water.
Solubility in water	: 0.005 g/l
Partition coefficient: n-octanol/water	: >3.3
Auto-ignition temperature	: 254 to 285°C (489.2 to 545°F)
Viscosity	: Kinematic (room temperature): 0.03 cm ² /s (3 cSt)

Section 10. Stability and reactivity

Reactivity	: Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS Definition(s).
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Section 11. Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
Trimethylbenzene, all isomers	LD50 Oral	Rat	8970 mg/kg	-
Naphthalene	LD50 Oral	Rat	490 mg/kg	-
Biphenyl	LD50 Dermal	Rabbit	>5010 mg/kg	-
	LD50 Oral	Rat	2140 mg/kg	-
Cumene	LC50 Inhalation Vapor	Mouse	10 g/m ³	7 hours
	LD50 Dermal	Rabbit	12300 uL/kg	-
	LD50 Oral	Rat	2.9 g/kg	-
	LD50 Oral	Rat	4000 mg/kg	-
Xylenes, mixed isomers	LC50 Inhalation Gas.	Cat	9500 ppm	2 hours
	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
	LC50 Inhalation Gas.	Rat	6700 ppm	4 hours
	LC50 Inhalation Gas.	Rat	6670 ppm	4 hours
	LD50 Oral	Mouse	2119 mg/kg	-
	LD50 Oral	Rat	4300 mg/kg	-
	LD50 Oral	Rat	4300 mg/kg	-
Ethylbenzene	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-

Conclusion/Summary : No additional information.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Trimethylbenzene, all isomers	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
Naphthalene	Skin - Mild irritant	Rabbit	-	495 milligrams	-
Biphenyl	Eyes - Mild irritant	Rabbit	-	100 milligrams	-
	Skin - Severe irritant	Rabbit	-	24 hours 500 microliters	-
Cumene	Eyes - Mild irritant	Rabbit	-	86 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 10 milligrams	-
Xylenes, mixed isomers	Skin - Mild irritant	Rat	-	8 hours 60 microliters	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
Ethylbenzene	Skin - Moderate irritant	Rabbit	-	100 Percent	-
	Skin - Mild irritant	Rabbit	-	24 hours 15 milligrams	-

Skin : No additional information.

Eyes : No additional information.

Respiratory : No additional information.

Sensitization

Skin : No additional information.

Respiratory : No additional information.

Mutagenicity

Conclusion/Summary : No additional information.

Carcinogenicity

Conclusion/Summary :

Section 11. Toxicological information

Diesel exhaust particulate: Lung tumor and lymphomas were identified in rats and mice exposed to unfiltered diesel fuel exhaust in chronic inhalation studies. Further, epidemiological studies have identified increase incidences of lung cancer in US railroad workers and bladder cancer in bus and truck drivers possibly associated with exposure to diesel engine exhaust. NTP has determined that exposure to diesel exhaust particulates, a complex mixture of combustion products of diesel fuel, is reasonably anticipated to be a human carcinogen. In addition, NIOSH has identified complete diesel exhaust as a potential carcinogen.

Classification

Product/ingredient name	OSHA	IARC	NTP
Fuels, diesel, No 2	-	3	-
Diesel exhaust particulate	-	1	Reasonably anticipated to be a human carcinogen.
Naphthalene	-	2B	Reasonably anticipated to be a human carcinogen.
Cumene	-	2B	Reasonably anticipated to be a human carcinogen.
Xylenes, mixed isomers	-	3	-
Ethylbenzene	-	2B	-

Reproductive toxicity

Conclusion/Summary : No additional information.

Teratogenicity

Conclusion/Summary : No additional information.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Trimethylbenzene, all isomers	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Biphenyl	Category 3	Not applicable.	Respiratory tract irritation
Cumene	Category 3	Not applicable.	Respiratory tract irritation
Ethylbenzene	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Fuels, diesel, No 2	Category 2	Not determined	central nervous system (CNS)
Trimethylbenzene, all isomers	Category 2	Not determined	central nervous system (CNS)
Xylenes, mixed isomers	Category 2	Not determined	ears

Aspiration hazard

Name	Result
Trimethylbenzene, all isomers	ASPIRATION HAZARD - Category 1
Cumene	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1
propylbenzene	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Routes of entry anticipated: Dermal, Inhalation.

Potential acute health effects

Eye contact : Causes eye irritation.

Inhalation : Harmful if inhaled. Long-term exposure to diesel engine exhaust may cause cancer.

Skin contact : Causes skin irritation.

Section 11. Toxicological information

Ingestion : May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : Adverse symptoms may include the following:
nausea or vomiting

Potential chronic health effects

General : May cause damage to organs through prolonged or repeated exposure.

Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Trimethylbenzene, all isomers	Acute LC50 5600 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
Naphthalene	Acute EC50 1600 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 2350 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 213 µg/l Fresh water	Fish - Melanotaenia fluviatilis - Larvae	96 hours
	Chronic NOEC 0.67 ppm Fresh water	Fish - Oncorhynchus kisutch	40 days
Biphenyl	Acute LC50 360 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 1450 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 0.17 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	21 days
	Chronic NOEC 0.229 mg/l Fresh water	Fish - Oncorhynchus mykiss	87 days
Cumene	Acute EC50 2600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 7400 µg/l Fresh water	Crustaceans - Artemia sp. - Nauplii	48 hours
	Acute EC50 10600 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 2700 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Xylenes, mixed isomers	Acute EC50 90 mg/l Fresh water	Crustaceans - Cypris subglobosa	48 hours
	Acute LC50 8.5 ppm Marine water	Crustaceans - Palaemonetes pugio - Adult	48 hours
	Acute LC50 8500 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 15700 µg/l Fresh water	Fish - Lepomis macrochirus -	96 hours

Section 12. Ecological information

Ethylbenzene	Acute LC50 19000 µg/l Fresh water	Juvenile (Fledgling, Hatchling, Weanling)	
	Acute LC50 13400 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Acute LC50 16940 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute EC50 4600 µg/l Fresh water	Fish - Carassius auratus	96 hours
		Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 3600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 2930 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 5200 µg/l Marine water	Crustaceans - Americamysis bahia	48 hours
	Acute LC50 4200 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 1000 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours

Conclusion/Summary : Not available.

Persistence and degradability

Not available.

Conclusion/Summary : Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Fuels, diesel, No 2	>3.3	-	low
Trimethylbenzene, all isomers	3.4 to 3.8	-	low
Naphthalene	3.4	36.5 to 168	low
Biphenyl	4.008	1900	high
Cumene	3.55	94.69	low
Xylenes, mixed isomers	3.12	8.1 to 25.9	low
Ethylbenzene	3.6	-	low

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

RCRA classification : D001, D018

Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	NA1993	UN 1202	UN 1202
UN proper shipping name	NA 1993, Diesel Fuel, 3, PG III	UN 1202, Diesel Fuel, 3, PG III	UN 1202, Diesel Fuel, 3, PG III
Transport hazard class(es)	3 	3  	3 
Packing group	III	III	III
Environmental hazards	No.	Yes.	No.
Additional information	Packaging instruction Passenger aircraft Quantity limitation: 60 L Packaging instructions: Y309 Cargo aircraft Quantity limitation: 220 L Packaging instructions: 310 Remarks 49 CFR 173.150 (f)(1) states that a flammable liquid with a flash point at or above 38°C (100°F) that does not meet the definition of any other hazard class may be reclassified as a combustible liquid. This provision does not apply to transportation by vessel or aircraft except where other means of transportaion is impracticable.	-	Cargo Aircraft OnlyQuantity limitation: 220 L Packaging instructions: 310 Limited Quantities - Passenger AircraftQuantity limitation: 60 L Packaging instructions: 309Y

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

U.S. Federal regulations : **United States inventory (TSCA 8b):** All components are listed or exempted.

Clean Water Act (CWA) 307: Ethylbenzene; Naphthalene; Toluene; Benzene

Clean Water Act (CWA) 311: Ethylbenzene; Xylenes, mixed isomers; Naphthalene; Toluene; Benzene

This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

Section 15. Regulatory information

SARA 302/304

Composition/information on ingredients

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Fire hazard
Immediate (acute) health hazard
Delayed (chronic) health hazard

Composition/information on ingredients

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Fuels, diesel, No 2	Yes.	No.	No.	Yes.	Yes.
Trimethylbenzene, all isomers	Yes.	No.	No.	Yes.	Yes.
Naphthalene	Yes.	No.	No.	Yes.	Yes.
Biphenyl	No.	No.	No.	Yes.	No.
Cumene	Yes.	No.	No.	Yes.	Yes.
Xylenes, mixed isomers	Yes.	No.	No.	Yes.	Yes.
Ethylbenzene	Yes.	No.	No.	Yes.	Yes.

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	Naphthalene	91-20-3	<1
	Ethylbenzene	100-41-4	<1
Supplier notification	Naphthalene	91-20-3	<1
	Ethylbenzene	100-41-4	<1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : The following components are listed: Trimethylbenzene, all isomers; Ethyltoluene

New York : The following components are listed: Ethylbenzene; Cumene; Benzene, 1-methylethyl-; Naphthalene

New Jersey : The following components are listed: Ethylbenzene; Cumene; NAPHTHALENE; TRIMETHYL BENZENE (mixed isomers); BENZENE, TRIMETHYL-; ETHYLTOLUENES; BENZENE, ETHYLMETHYL-

Pennsylvania : The following components are listed: Ethylbenzene; Cumene; NAPHTHALENE; Trimethylbenzene, all isomers; Ethyltoluene

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

WARNING: This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name	%	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Naphthalene	<1	Yes.	No.	Yes.	No.
Cumene	<1	Yes.	No.	No.	No.
Ethylbenzene	<1	Yes.	No.	41 µg/day (ingestion) 54 µg/day (inhalation)	No.
Diesel exhaust particulate	<1	Yes.	No.	No.	No.
Toluene	<0.1	No.	Yes.	No.	7000 µg/day (ingestion)
Benzene	<0.1	Yes.	Yes.	6.4 µg/day (ingestion)	24 µg/day (ingestion) 49 µg/day

Section 15. Regulatory information

13 µg/day
(inhalation)

(inhalation)

International regulations

International lists

- : **Australia inventory (AICS)**: All components are listed or exempted.
- : **China inventory (IECSC)**: All components are listed or exempted.
- : **Japan inventory**: All components are listed or exempted.
- : **Korea inventory**: All components are listed or exempted.
- : **Malaysia Inventory (EHS Register)**: Not determined.
- : **New Zealand Inventory of Chemicals (NZIoC)**: All components are listed or exempted.
- : **Philippines inventory (PICCS)**: All components are listed or exempted.
- : **Taiwan inventory (CSNN)**: Not determined.

Canada inventory

- : All components are listed or exempted.

EU Inventory

- : All components are listed or exempted.

WHMIS (Canada)

- : Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
- : Class D-2A: Material causing other toxic effects (Very toxic).

Section 16. Other information

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

History

Date of issue/Date of revision : 7/29/2015.

Key to abbreviations

- : ATE = Acute Toxicity Estimate
- : BCF = Bioconcentration Factor
- : GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- : IATA = International Air Transport Association
- : IBC = Intermediate Bulk Container
- : IMDG = International Maritime Dangerous Goods
- : LogPow = logarithm of the octanol/water partition coefficient
- : MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- : UN = United Nations

Notice to reader

THE INFORMATION IN THIS SAFETY DATA SHEET (SDS) WAS OBTAINED FROM SOURCES WHICH WE BELIEVE ARE RELIABLE. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESSED OR IMPLIED REGARDING ITS CORRECTNESS OR ACCURACY. SOME INFORMATION PRESENTED AND CONCLUSIONS DRAWN HEREIN ARE FROM SOURCES OTHER THAN DIRECT TEST DATA ON THE SUBSTANCE ITSELF. THIS SDS WAS PREPARED AND IS TO BE USED ONLY FOR THIS PRODUCT. IF THE PRODUCT IS USED AS A COMPONENT IN ANOTHER PRODUCT, THIS SDS INFORMATION MAY NOT BE APPLICABLE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION OR PRODUCTS FOR THEIR PARTICULAR PURPOSE OR APPLICATION.

Section 16. Other information

THE CONDITIONS OR METHODS OF HANDLING, STORAGE, USE, AND/OR DISPOSAL OF THE PRODUCT ARE BEYOND OUR CONTROL AND MAY BE BEYOND OUR KNOWLEDGE. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR ANY LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.

CITGO is a registered trademark of CITGO Petroleum Corporation

Safety Data Sheet



SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Clarity Synthetic Hydraulic Oil AW 32, 46, 68

Product Use: Hydraulic Oil

Product Number(s): 219601, 219602, 219609, 255697, 255698, 255699, 278054, 278055, 278056

Synonyms: Clarity Synthetic Hydraulic Oil AW 32 ISOCLEAN Certified; Clarity Synthetic Hydraulic Oil AW 46 ISOCLEAN Certified; Clarity Synthetic Hydraulic Oil AW 68 ISOCLEAN Certified

Company Identification

Chevron Canada Limited

1050 West Pender

Vancouver, BC V6E 3T4

Canada

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION: Not classified as hazardous according to Canada regulatory guidelines.

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Highly refined mineral oil (C15 - C50)	Mixture	70 - 99 %weight

Information on ingredients that are considered Controlled Products and/or that appear on the WHMIS Ingredient Disclosure List (IDL) is provided as required by the Canadian Hazardous Products Act (HPA, Sections 13 and 14). Ingredients considered hazardous under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, are also listed. See Section 15 for additional regulatory information.

SECTION 4 FIRST AID MEASURES

Description of first aid measures

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, apply a waterless hand cleaner, mineral oil, or petroleum jelly. Then wash with soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Most important symptoms and effects, both acute and delayed

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at

airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

Indication of any immediate medical attention and special treatment needed

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Unusual Fire Hazards: Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. See Section 7 for proper handling and storage. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Combustion may form oxides of: Phosphorus, Nitrogen, Sulfur.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities as appropriate or required.

SECTION 7 HANDLING AND STORAGE

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed. Keep out of the reach of children.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: Neoprene, Nitrile Rubber, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge. Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

Occupational Exposure Limits:

Component	Country/ Agency	TWA	STEL	Ceiling	Notation
Highly refined mineral oil (C15 - C50)	ACGIH	5 mg/m3	10 mg/m3	--	--

NOTE ON OCCUPATIONAL EXPOSURE LIMITS: Consult local authorities for acceptable provincial values in Canada. Consult the Canadian Standards Association Standard Z94.4-2011 Selection, Use and Care of Respirators.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: No data available

Physical State: Liquid

Odor: No data available

Odor Threshold: No data available

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Initial Boiling Point: No data available

Solubility: No data available

Freezing Point: Not Applicable

Melting Point: No data available

Density: 0.8694 kg/l @ 20°C (68°F) (Typical)

Viscosity: 30.40 - 74.80 mm²/s @ 40°C (104°F)

Evaporation Rate: No data available

Decomposition temperature: No data available

Octanol/Water Partition Coefficient: No data available

FLAMMABLE PROPERTIES:

Flammability (solid, gas): No Data Available

Flashpoint: 190 °C (374 °F) Minimum

Autoignition: No data available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

SECTION 10 STABILITY AND REACTIVITY

Reactivity: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: Not applicable
Hazardous Decomposition Products: None known (None expected)
Hazardous Polymerization: Hazardous polymerization will not occur.
Sensitivity to Mechanical Impact: No.

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Serious Eye Damage/Irritation: The eye irritation hazard is based on evaluation of data for product components.

Skin Corrosion/Irritation: The skin irritation hazard is based on evaluation of data for product components.

Skin Sensitization: The skin sensitization hazard is based on evaluation of data for product components.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for product components. For additional information on the acute toxicity of the components, call the technical information center.

Acute Toxicity Estimate: Not Determined

Germ Cell Mutagenicity: The hazard evaluation is based on data for components or a similar material.

Carcinogenicity: The hazard evaluation is based on data for components or a similar material.

Reproductive Toxicity: The hazard evaluation is based on data for components or a similar material.

Specific Target Organ Toxicity - Single Exposure: The hazard evaluation is based on data for components or a similar material.

Specific Target Organ Toxicity - Repeated Exposure: The hazard evaluation is based on data for components or a similar material.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal

carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms.

The product has not been tested. The statement has been derived from the properties of the individual components.

MOBILITY

No data available.

PERSISTENCE AND DEGRADABILITY

This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material.

The product has not been tested. The statement has been derived from the properties of the individual components.

POTENTIAL TO BIOACCUMULATE

Bioconcentration Factor: No data available.

Octanol/Water Partition Coefficient: No data available

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods. (See B.C. Reg. GY/92 Waste Management Act; R.R.O. 1990, Reg. 347 General-Waste Management; C.C.S.M.c. W40 The Waste Reduction and Prevention Act; N.S. Reg. 51/95 and N.S. Reg. 179/96 for examples of Provincial legislation.)

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

TC Shipping Description: NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER TRANSPORT CANADA (TDG)

IMO/IMDG Shipping Description: NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT

UNDER THE IMDG CODE

ICAO/IATA Shipping Description: NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO

DOT Shipping Description: NOT REGULATED AS A HAZARDOUS MATERIAL UNDER 49 CFR

SECTION 15 REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
35=WHMIS IDL

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), EINECS (European Union), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TCSI (Taiwan), TSCA (United States).

SECTION 16 OTHER INFORMATION

REVISION STATEMENT:

SECTION 01 - Product Code(s) information was modified.

Revision Date: February 22, 2017

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
GHS - Globally Harmonized System	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Governmental Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	SDS - Safety Data Sheet
WHMIS - Workplace Hazardous Materials Information System	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

NCEL - New Chemical Exposure Limit	EPA - Environmental Protection Agency
SCBA - Self-Contained Breathing Apparatus	

Prepared according to the WHMIS 2015 by Chevron Energy Technology Company, 6001 Bollinger Canyon Road, San Ramon, CA 94583.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Safety Data Sheet



SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Ultra-Duty Grease EP NLGI 0, 1, 2

Product Use: Grease

Product Number(s): 238011, 238012, 238013

Company Identification

Chevron Products Company
a division of Chevron U.S.A. Inc.
6001 Bollinger Canyon Rd.
San Ramon, CA 94583
United States of America
www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com
Product Information: 1 (800) 582-3835, LUBETEK@chevron.com

SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION: Acute aquatic toxicant: Category 3. Chronic aquatic toxicant: Category 3.

Environmental Hazards: Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

Prevention: Avoid release to the environment.

Disposal: Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED: Not Applicable

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Highly refined mineral oil (C15 - C50)	Mixture	70 - 99 %wt/wt
Zinc dialkyldithiophosphate	68649-42-3	1 - 5 %wt/wt

SECTION 4 FIRST AID MEASURES**Description of first aid measures**

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, apply a waterless hand cleaner, mineral oil, or petroleum jelly. Then wash with soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Most important symptoms and effects, both acute and delayed**IMMEDIATE HEALTH EFFECTS**

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation

may include coughing and difficulty breathing.

DELAYED OR OTHER HEALTH EFFECTS: Not classified

Indication of any immediate medical attention and special treatment needed

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. See Section 7 for proper handling and storage. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Clean up spills immediately, observing precautions in Exposure Controls/Personal Protection section. Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Precautionary Measures: Keep out of the reach of children.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this

material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: Neoprene, Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge. Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

Occupational Exposure Limits:

Component	Agency	TWA	STEL	Ceiling	Notation

Highly refined mineral oil (C15 - C50)	OSHA Z-1	5 mg/m3	--	--	--
Highly refined mineral oil (C15 - C50)	ACGIH	5 mg/m3	10 mg/m3	--	--
Zinc dialkyldithiophosphate	Not Applicable	--	--	--	--

Consult local authorities for appropriate values.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Red

Physical State: Semi-solid

Odor: Petroleum odor

Odor Threshold: No data available

pH: Not Applicable

Vapor Pressure: <0.01 mmHg Maximum @ 100 °C (212 °F)

Vapor Density (Air = 1): >1 Minimum

Initial Boiling Point: 260°C (500°F) Minimum

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: No data available

Melting Point: 165°C (329°F) (Min)

Specific Gravity: 1.10 @ 15.6°C (60.1°F) (Estimated)

Density: No data available

Viscosity: No data available

Evaporation Rate: No data available

Decomposition temperature: No data available

Octanol/Water Partition Coefficient: No data available

FLAMMABLE PROPERTIES:

Flammability (solid, gas): No Data Available

Flashpoint: 274 °C (525 °F) Minimum

Autoignition: No data available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

SECTION 10 STABILITY AND REACTIVITY

Reactivity: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: Not applicable

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Serious Eye Damage/Irritation: The eye irritation hazard is based on evaluation of data for product components.

Skin Corrosion/Irritation: The skin irritation hazard is based on evaluation of data for product components.

Skin Sensitization: The skin sensitization hazard is based on evaluation of data for product components.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for product components.

Acute Toxicity Estimate: Not Determined

Germ Cell Mutagenicity: The hazard evaluation is based on data for components or a similar material.

Carcinogenicity: The hazard evaluation is based on data for components or a similar material.

Reproductive Toxicity: The hazard evaluation is based on data for components or a similar material.

Specific Target Organ Toxicity - Single Exposure: The hazard evaluation is based on data for components or a similar material.

Specific Target Organ Toxicity - Repeated Exposure: The hazard evaluation is based on data for components or a similar material.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is expected to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

The product has not been tested. The statement has been derived from the properties of the individual components.

MOBILITY

No data available.

PERSISTENCE AND DEGRADABILITY

This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material.

The product has not been tested. The statement has been derived from the properties of the individual components.

POTENTIAL TO BIOACCUMULATE

Bioconcentration Factor: No data available.

Octanol/Water Partition Coefficient: No data available

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING GREASE; NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING GREASE; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING GREASE; NOT REGULATED AS

DANGEROUS GOODS FOR TRANSPORT UNDER ICAO

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:

Not applicable

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES:	1. Immediate (Acute) Health Effects:	NO
	2. Delayed (Chronic) Health Effects:	NO
	3. Fire Hazard:	NO
	4. Sudden Release of Pressure Hazard:	NO
	5. Reactivity Hazard:	NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1	03=EPCRA 313
01-2A=IARC Group 2A	04=CA Proposition 65
01-2B=IARC Group 2B	05=MA RTK
02=NTP Carcinogen	06=NJ RTK
	07=PA RTK

The following components of this material are found on the regulatory lists indicated.

Zinc dialkyldithiophosphate 06

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components does not comply with the following chemical inventory requirements: ENCS (Japan).

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Grease)

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 0 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT: This revision updates the following sections of this Safety Data Sheet: 9, 16

Revision Date: June 10, 2016

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
GHS - Globally Harmonized System	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Governmental Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	SDS - Safety Data Sheet
HMIS - Hazardous Materials Information System	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration
NCEL - New Chemical Exposure Limit	EPA - Environmental Protection Agency
SCBA - Self-Contained Breathing Apparatus	

Prepared according to the 29 CFR 1910.1200 (2012) by Chevron Energy Technology Company, 6001 Bollinger Canyon Road San Ramon, CA 94583.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use.

This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.



SAFETY DATA SHEET

SDS ID NO.: 0162MAR019
Revision Date 05/22/2015

1. IDENTIFICATION

Product Name: Marathon Petroleum Multipower-3 15W-40 Motor Oil
Synonym: Multipower-3 15W-40 Motor Oil; Multipower-3 15W-40 Heavy Duty Motor Oil
Product Code: 0162MAR019
Chemical Family: Motor/Lube Oil
Recommended Use: Engine Oil.
Restrictions on Use: All others.

Manufacturer, Importer, or Responsible Party Name and Address:
MARATHON PETROLEUM COMPANY LP
539 South Main Street
Findlay, OH 45840

SDS information: 1-419-421-3070

Emergency Telephone: 1-877-627-5463

2. HAZARD IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation

Category 2A

Hazards Not Otherwise Classified (HNOC)

Not applicable.

Label elements

EMERGENCY OVERVIEW

Warning

Causes serious eye irritation



Appearance Brown Liquid

Physical State Liquid

Odor Petroleum

Precautionary Statements - Prevention

Wash hands and any possibly exposed skin thoroughly after handling

Wear eye/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical attention

Precautionary Statements - Storage

Not applicable.

Precautionary Statements - Disposal

Not applicable.

Additional Information

Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Motor oil is a complex mixture of highly refined lubricating oil base stocks and additives.

Composition Information:

Name	CAS Number	% Concentration
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	113706-15-3	1-5
Dinonyl diphenylamine	36878-20-3	1-5
Butene, homopolymer	9003-29-6	1-5
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs.	84605-20-9	1-5

All concentrations are percent by weight unless material is a gas. Gas concentrations are in percent by volume.

4. FIRST AID MEASURES

First Aid Measures

General Advice:

In case of accident or if you feel unwell, seek medical advice immediately (show directions for use or safety data sheet if possible).

Inhalation:

Remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms occur get medical attention.

Skin Contact:

Wash skin with plenty of soap and water. If irritation or other symptoms occur get medical attention. Wash contaminated clothing and clean shoes before reuse.

Eye Contact:

Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Gently remove contacts while flushing. Get medical attention.

Ingestion:

Rinse mouth out with water. If spontaneous vomiting occurs, keep head below hips, or if patient is lying down, turn body and head to side to prevent aspiration and monitor for breathing difficulty. Never give anything by mouth to an unconscious person. Keep affected person warm and at rest. If symptoms develop, seek medical attention.

Most important signs and symptoms, both short-term and delayed with overexposure

Adverse Effects:

Causes eye irritation. Symptoms may include redness, itching, and inflammation. May

cause skin irritation and/or dermatitis. Preexisting skin conditions and/or respiratory disorders may be aggravated by exposure to this product.

Indication of any immediate medical attention and special treatment needed

Notes To Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

For small fires, Class B fire extinguishing media such as CO₂, dry chemical, foam (AFFF/ATC) or water spray can be used. For large fires, water spray, fog or foam (AFFF/ATC) can be used. Firefighting should be attempted only by those who are adequately trained and equipped with proper protective equipment.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

The product is not combustible per the OSHA Hazard Communication Standard, but will ignite and burn at temperatures exceeding the flash point.

Hazardous combustion products

Smoke, carbon monoxide, and other products of incomplete combustion.

Explosion data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Special protective equipment and precautions for firefighters

Avoid using straight water streams. Water spray and foam (AFFF/ATC) must be applied carefully to avoid frothing and from as far a distance as possible. Avoid excessive water spray application. Use water spray to cool exposed surfaces from as far a distance as possible. Keep run-off water out of sewers and water sources.

Additional firefighting tactics

Not applicable.

NFPA	Health 1	Flammability 1	Instability 0	Special Hazard -

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep public away. Isolate and evacuate area. Shut off source if safe to do so.

Protective equipment: Use personal protection measures as recommended in Section 8.

Emergency procedures: Advise authorities and National Response Center (800-424-8802) if the product has entered a water course or sewer. Notify local health and pollution control agencies, if appropriate.

Environmental precautions: Avoid release to the environment. Avoid subsoil penetration.

Methods and materials for containment: Prevent further leakage or spillage if safe to do so.

Methods and materials for cleaning up: Use suitable absorbent materials such as vermiculite, sand, or clay to clean up residual liquids. Recover and return free product to proper containers.

7. HANDLING AND STORAGE

Safe Handling Precautions:

Avoid contact with skin, eyes and clothing. Do not swallow. Avoid breathing vapors or mists. Use good personal hygiene practices. Wash thoroughly after handling. Use personal protection measures as recommended in Section 8. Do not cut, drill, grind or weld on empty containers since explosive residues may remain. Refer to applicable EPA, OSHA, NFPA and consistent state and local requirements.

Lifetime, continuous skin contact with used motor oils has caused skin cancer in laboratory tests. In testing, thorough washing has been found to prevent the development of skin cancer from used motor oil exposure. Avoid excessive skin contact. Exercise good personal hygiene including the removal and washing of soiled clothing and destroy used motor oil contaminated leather shoes/boots.

Storage Conditions:

Store in properly closed containers that are appropriately labeled and in a cool, well-ventilated area. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials.

Incompatible Materials

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	ACGIH TLV	OSHA PELs:	OSHA - Vacated PELs	NIOSH IDLH
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts 113706-15-3	-	-	-	-
Dinonyl diphenylamine 36878-20-3	-	-	-	-
Butene, homopolymer 9003-29-6	-	-	-	-
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs. 84605-20-9	-	-	-	-

Notes:

The manufacturer has voluntarily elected to provide exposure limits contained in OSHA's 1989 air contaminants standard in its SDSs, even though certain of those exposure limits were vacated in 1992.

Engineering measures:

Local or general exhaust required when using at elevated temperatures that generate vapors or mists.

Personal protective equipment

Eye protection:

Use goggles or face-shield if the potential for splashing exists.

Skin and body protection:

Wear neoprene, nitrile or PVA gloves to prevent skin contact. Glove suitability is based on workplace conditions and usage. Contact the glove manufacturer for specific advice on glove selection and breakthrough times. Wear appropriate protective clothing.

Respiratory protection:

Use a NIOSH approved organic vapor chemical cartridge or supplied air respirators when there is the potential for airborne exposures to exceed permissible exposure limits or if excessive vapors are generated. Observe respirator assigned protection factors (APFs) criteria cited in federal OSHA 29 CFR 1910.134. Self-contained breathing apparatus should be used for fire fighting.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Brown Liquid
Color	Brown
Odor	Petroleum
Odor Threshold	No data available.

<u>Property</u>	<u>Values (Method)</u>
Melting Point / Freezing Point	No data available.
Initial Boiling Point / Boiling Range	No data available.
Flash Point	> 220 °C / > 428 °F (Cleveland Open-Cup)
Evaporation Rate	No data available.
Flammability (solid, gas)	Not applicable.
Flammability Limit in Air (%):	
Upper Flammability Limit:	No data available.
Lower Flammability Limit:	No data available.
Explosion limits:	No data available.
Vapor Pressure	No data available.
Vapor Density	No data available.
Specific Gravity / Relative Density	0.86-0.875
Water Solubility	No data available.
Solubility in other solvents	No data available.
Partition Coefficient	No data available.
Decomposition temperature	No data available.
pH:	No available data.
Autoignition Temperature	No data available.
Kinematic Viscosity	82 mm ² /s @ 40°C / 104°F
Dynamic Viscosity	No data available.
Explosive Properties	No data available.
VOC Content (%)	1.7 (w/w)
Density	No data available.
Bulk Density	Not applicable.

10. STABILITY AND REACTIVITY

<u>Reactivity</u>	The product is non-reactive under normal conditions.
<u>Chemical stability</u>	Stable under recommended storage conditions.
<u>Possibility of hazardous reactions</u>	None under normal processing.
<u>Hazardous polymerization</u>	Will not occur.
<u>Conditions to avoid</u>	Sources of heat or ignition.
<u>Incompatible Materials</u>	Strong oxidizing agents.
<u>Hazardous decomposition products</u>	None known under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Potential short-term adverse effects from overexposures

Inhalation	Overheating may produce vapors which may cause respiratory irritation, dizziness and nausea.
Eye contact	Irritating to eyes. May cause reddening and tearing.
Skin contact	May cause skin irritation. Prolonged or repeated exposure may cause dermatitis, folliculitis

or oil acne.

Ingestion

May cause irritation of the mouth, throat and gastrointestinal tract.

Acute toxicological data

Name	Oral LD50	Dermal LD50	Inhalation LC50
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts 113706-15-3	-	-	-
Dinonyl diphenylamine 36878-20-3	-	-	-
Butene, homopolymer 9003-29-6	-	-	-
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs. 84605-20-9	-	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

This product is considered to have a low order of acute and chronic oral and dermal toxicity.

USED MOTOR OIL: Lifetime, continuous skin contact with used motor oils has caused skin cancer in laboratory tests. The combustion process produces compounds (polycyclic aromatic hydrocarbons) in motor oils that increase with use and are responsible for the cancer induction. Thorough washing has been found to prevent the development of skin cancer on animals from used motor oil exposure.

ZDDP: Zinc dialkyldithiophosphate (ZDDP) additives are primarily eye and/or skin irritants or corrosives with low acute toxicity via oral, dermal, and inhalation routes of exposure and are not skin sensitizers. In laboratory repeat dose studies by the dermal and oral routes, ZDDPs cause effects only at high doses, primarily due to irritation, in a manner similar to other irritating materials. The weight-of-evidence of genotoxicity testing indicates that ZDDPs are not mutagenic and do not cause larger chromosomal effects.

Adverse effects related to the physical, chemical and toxicological characteristics

Signs and Symptoms

Causes eye irritation. Symptoms may include redness, itching, and inflammation. Contact may cause skin dermatitis and/or irritation. Repeated or prolonged skin contact may cause drying, reddening, itching and cracking.

Sensitization

Not expected to be a skin or respiratory sensitizer.

Mutagenic effects

None known.

Carcinogenicity

Cancer designations are listed in the table below

Name	ACGIH (Class)	IARC (Class)	NTP	OSHA
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts 113706-15-3	Not Listed	Not Listed	Not Listed	Not Listed
Dinonyl diphenylamine 36878-20-3	Not Listed	Not Listed	Not Listed	Not Listed
Butene, homopolymer 9003-29-6	Not Listed	Not Listed	Not Listed	Not Listed
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs. 84605-20-9	Not Listed	Not Listed	Not Listed	Not Listed

Reproductive toxicity	None known.
Specific Target Organ Toxicity (STOT) - single exposure	Not classified.
Specific Target Organ Toxicity (STOT) - repeated exposure	Not classified.
Aspiration hazard	Not classified.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Used motor and/or lube oils can be toxic to birds and fish.

Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts 113706-15-3	-	-	-	-
Dinonyl diphenylamine 36878-20-3	-	-	-	-
Butene, homopolymer 9003-29-6	-	-	-	-
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs. 84605-20-9	-	-	-	-

Persistence and degradability Not expected to be readily biodegradable.

Bioaccumulation Contains component(s) with the potential to bioaccumulate.

Mobility in soil No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Description of Waste Residues

No information available.

Safe Handling of Wastes

Handle in accordance with applicable local, state, and federal regulations. Use personal protection measures as required.

Disposal of Wastes / Methods of Disposal

The user is responsible for determining if any discarded material is a hazardous waste (40 CFR 262.11). Dispose of in accordance with federal, state and local regulations.

Methods of Contaminated Packaging Disposal

Empty containers should be completely drained and then discarded or recycled, if possible. Do not cut, drill, grind or weld on empty containers since explosive residues may be present. Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT (49 CFR 172.101):

UN Proper Shipping Name: Not Regulated
UN/Identification No: Not applicable
Class: Not applicable.
Packing Group: Not applicable.

TDG (Canada):

UN Proper Shipping Name: Not Regulated
UN/Identification No: Not applicable.
Transport Hazard Class(es): Not applicable.
Packing Group: Not applicable.

15. REGULATORY INFORMATION

US Federal Regulatory Information:

US TSCA Chemical Inventory Section 8(b): This product and/or its components are listed on the TSCA Chemical Inventory.

EPA Superfund Amendment & Reauthorization Act (SARA):

SARA Section 302: This product may contain component(s) that have been listed on EPA's Extremely Hazardous Substance (EHS) List:

Name	CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	NA
Dinonyl diphenylamine	NA
Butene, homopolymer	NA
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs.	NA

SARA Section 304: This product may contain component(s) identified either as an EHS or a CERCLA Hazardous substance which in case of a spill or release may be subject to SARA reporting requirements:

Name	Hazardous Substances RQs
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	NA
Dinonyl diphenylamine	NA
Butene, homopolymer	NA
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs.	NA

SARA Section 311/312: The following EPA hazard categories apply to this product:

Acute Health Hazard

SARA Section 313: This product may contain component(s), which if in exceedance of the de minimus threshold, may be subject to the reporting requirements of SARA Title III Section 313 Toxic Release Reporting (Form R).

Name	CERCLA/SARA 313 Emission reporting:
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	None
Dinonyl diphenylamine	None
Butene, homopolymer	None
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs.	None

State and Community Right-To-Know Regulations:

The following component(s) of this material are identified on the regulatory lists below:

Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts

Louisiana Right-To-Know:	Not Listed
California Proposition 65:	Not Listed
New Jersey Right-To-Know:	Not Listed
Pennsylvania Right-To-Know:	Not Listed
Massachusetts Right-To Know:	Not Listed
Florida Substance List:	Not Listed
Rhode Island Right-To-Know:	Not Listed
Michigan Critical Materials Register List:	Not Listed
Massachusetts Extraordinarily Hazardous Substances:	Not Listed
California - Regulated Carcinogens:	Not Listed
Pennsylvania RTK - Special Hazardous Substances:	Not Listed
New Jersey - Special Hazardous Substances:	Not Listed
New Jersey - Environmental Hazardous Substances List:	Not Listed
Illinois - Toxic Air Contaminants:	Not Listed
New York - Reporting of Releases Part 597 - List of Hazardous Substances:	Not Listed

Dinonyl diphenylamine

Louisiana Right-To-Know:	Not Listed
California Proposition 65:	Not Listed
New Jersey Right-To-Know:	Not Listed
Pennsylvania Right-To-Know:	Not Listed
Massachusetts Right-To Know:	Not Listed
Florida Substance List:	Not Listed
Rhode Island Right-To-Know:	Not Listed
Michigan Critical Materials Register List:	Not Listed
Massachusetts Extraordinarily Hazardous Substances:	Not Listed
California - Regulated Carcinogens:	Not Listed
Pennsylvania RTK - Special Hazardous Substances:	Not Listed
New Jersey - Special Hazardous Substances:	Not Listed
New Jersey - Environmental Hazardous Substances List:	Not Listed
Illinois - Toxic Air Contaminants:	Not Listed
New York - Reporting of Releases Part 597 - List of Hazardous Substances:	Not Listed

Butene, homopolymer

Louisiana Right-To-Know:	Not Listed
California Proposition 65:	Not Listed
New Jersey Right-To-Know:	Not Listed
Pennsylvania Right-To-Know:	Not Listed
Massachusetts Right-To Know:	Not Listed
Florida Substance List:	Not Listed
Rhode Island Right-To-Know:	Not Listed
Michigan Critical Materials Register List:	Not Listed
Massachusetts Extraordinarily Hazardous Substances:	Not Listed
California - Regulated Carcinogens:	Not Listed
Pennsylvania RTK - Special Hazardous Substances:	Not Listed
New Jersey - Special Hazardous Substances:	Not Listed
New Jersey - Environmental Hazardous Substances List:	Not Listed
Illinois - Toxic Air Contaminants:	Not Listed
New York - Reporting of Releases Part 597 - List of Hazardous Substances:	Not Listed

Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs.

Louisiana Right-To-Know:	Not Listed
California Proposition 65:	Not Listed

New Jersey Right-To-Know:	Not Listed
Pennsylvania Right-To-Know:	Not Listed
Massachusetts Right-To Know:	Not Listed
Florida Substance List:	Not Listed
Rhode Island Right-To-Know:	Not Listed
Michigan Critical Materials Register List:	Not Listed
Massachusetts Extraordinarily Hazardous Substances:	Not Listed
California - Regulated Carcinogens:	Not Listed
Pennsylvania RTK - Special Hazardous Substances:	Not Listed
New Jersey - Special Hazardous Substances:	Not Listed
New Jersey - Environmental Hazardous Substances List:	Not Listed
Illinois - Toxic Air Contaminants:	Not Listed
New York - Reporting of Releases Part 597 - List of Hazardous Substances:	Not Listed

Canada DSL/NDSL Inventory: This product and/or its components are listed either on the Domestic Substances List (DSL) or are exempt.

Canadian Regulatory Information: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

Name	Canada - WHMIS: Classifications of Substances:	Canada - WHMIS: Ingredient Disclosure:
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	D2B	1%
Butene, homopolymer	Uncontrolled product according to WHMIS classification criteria	



Note: Not applicable.

16. OTHER INFORMATION

Prepared By Toxicology and Product Safety

Revision Notes

Revision Date 05/22/2015

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is intended as guidance for safe handling, use, processing, storage, transportation, accidental release, clean-up and disposal and is not considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Safety Data Sheet

According to OSHA HCS 2012 (29 CFR 1910.1200)



Section 1: Identification

Product Identifier: **Propane**

Other means of identification: Commercial Propane(All)
HD5 Propane
LP-Gas
Liquefied Petroleum Gas
Odorized Propane
Propane (Unstented)
Propane Commercial
Propane Motor Fuel
Propane for Process
Stented Propane
Unodorized Propane

SDS Number: **169570**

Intended Use: Fuel

Uses Advised Against: All others

Emergency Health and Safety Number: Chemtrec: 800-424-9300 (24 Hours)

Manufacturer: Phillips 66 Company
P.O. Box 4428
Houston, Texas 77210

SDS Information:
Phone: 800-762-0942
Email: SDS@P66.com
URL: www.Phillips66.com

Section 2: Hazards Identification

Classified Hazards

H220 -- Flammable gases -- Category 1
H280 -- Gases under pressure -- Liquefied gas

Other Hazards

May displace oxygen and cause rapid suffocation

Label Elements



DANGER

Extremely flammable gas
Contains gas under pressure. May explode if heated.

May displace oxygen and cause rapid suffocation

Keep away from heat/sparks/open flames/hot surfaces. - No smoking; Take precautionary measures against static discharge;
Leaking gas fire: Do not extinguish, unless leak can be stopped safely; Eliminate all ignition sources if safe to do so; Protect from sunlight. Store in a well ventilated place

Section 3: Composition / Information on Ingredients

Chemical Name	CASRN	Concentration ¹
Propane	74-98-6	80-100
Propene	115-07-1	<20
Ethane	74-84-0	<6
Butane	106-97-8	<5
Isobutane	75-28-5	<2.5

¹ All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Odorized products contain small quantities (<0.1%) ethyl mercaptan as an olfactory indicator.

Section 4: First Aid Measures

Eye Contact: For contact with the liquefied gas, remove contact lenses if present and easy to do, hold eyelids apart and gently flush the affected eye(s) with lukewarm water. Seek immediate medical attention.

Skin Contact: Liquefied gases may cause cryogenic burns or injury. Treat burned or frostbitten skin by flushing or immersing the affected area(s) in lukewarm water. Do not rub affected area. Do not remove clothing that adheres due to freezing. After sensation has returned to the frostbitten skin, keep skin warm, dry, and clean. If blistering occurs, apply a sterile dressing. Seek immediate medical attention.

Inhalation (Breathing): If respiratory symptoms develop, move victim away from source of exposure and into fresh air in a position comfortable for breathing. If breathing is difficult, oxygen or artificial respiration should be administered by qualified personnel. If symptoms persist, seek medical attention.

Ingestion (Swallowing): This material is a gas under normal atmospheric conditions and ingestion is unlikely.

Most important symptoms and effects, both acute and delayed: Light hydrocarbon gases are simple asphyxiants and can cause anesthetic effects at high concentrations. Symptoms of overexposure, which are reversible if exposure is stopped, can include shortness of breath, drowsiness, headaches, confusion, decreased coordination, visual disturbances and vomiting. Continued exposure can lead to hypoxia (inadequate oxygen), rapid breathing, cyanosis (bluish discoloration of the skin), numbness of the extremities, unconsciousness and death.

Notes to Physician: Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to high concentrations of hydrocarbon solvents (e.g., in enclosed spaces or with deliberate abuse). The use of other drugs with less arrhythmogenic potential should be considered. If sympathomimetic drugs are administered, observe for the development of cardiac arrhythmias.

Section 5: Fire-Fighting Measures

NFPA 704 Hazard Class

Health: 2 Flammability: 4 Instability: 0



0 (Minimal)
1 (Slight)
2 (Moderate)
3 (Serious)
4 (Severe)

Extinguishing Media: Dry chemical or carbon dioxide is recommended. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

Specific hazards arising from the chemical

Unusual Fire & Explosion Hazards: Extremely flammable. Contents under pressure This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe). Vapors may travel considerable distances to a source of ignition where they can ignite, flash back, or explode. May create vapor/air explosion hazard indoors, in confined spaces, outdoors, or in sewers. If container is not properly cooled, it can rupture in the heat of a fire. Drains can be plugged and valves made inoperable by the formation of ice if rapid evaporation of large quantities of the liquefied gas occurs. Do not allow run-off from fire fighting to enter drains or water courses – may cause explosion hazard in drains and may reignite.

Hazardous Combustion Products: Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of nitrogen and sulfur may also be formed.

Special protective actions for firefighters: For fires beyond the initial stage, emergency responders in the immediate hazard area should wear protective clothing. When the potential chemical hazard is unknown, in enclosed or confined spaces, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. If this cannot be done, allow fire to burn. Move undamaged containers from immediate hazard area if it can be done safely. Stay away from ends of container. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done safely.

See Section 9 for Flammable Properties including Flash Point and Flammable (Explosive) Limits

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Extremely flammable. Spillages of liquid product will create a fire hazard and may form an explosive atmosphere. Keep all sources of ignition and hot metal surfaces away from spill/release if safe to do so. The use of explosion-proof electrical equipment is recommended. Beware of accumulation of gas in low areas or contained areas, where explosive concentrations may occur. Prevent from entering drains or any place where accumulation may occur. Ventilate area and allow to evaporate. Stay upwind and away from spill/release. Avoid direct contact with material. For large spillages, notify persons down wind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

Environmental Precautions: Stop spill/release if it can be done safely. Water spray may be useful in minimizing or dispersing vapors. If spill occurs on water notify appropriate authorities and advise shipping of any hazard.

Methods and material for containment and cleaning up: Notify relevant authorities in accordance with all applicable regulations.

Recommended measures are based on the most likely spillage scenarios for this material; however local conditions and regulations may influence or limit the choice of appropriate actions to be taken.

Section 7: Handling and Storage

Precautions for safe handling: Keep away from ignition sources such as heat/sparks/open flame – No smoking. Take precautionary measures against static discharge. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8). Extremely Flammable. Contents under pressure Gas can accumulate in confined spaces and limit oxygen available for breathing. Use only with adequate ventilation The use of explosion-proof electrical equipment is recommended and may be required (see appropriate fire codes). Refer to NFPA-70 and/or API RP 2003 for specific bonding/grounding requirements. Electrostatic charge may accumulate and create a hazardous condition when handling or processing this material. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146. Cold burns may occur during filling operations. Containers and delivery lines may become cold enough to present cold burn hazard.

Propane and odorant are heavier than air and will collect and pool along the ground or floor. Odorant, therefore, may not be detectable above the location of propane storage or service (for example, odorant in propane released or leaked into the basement of a dwelling may not be detected above the basement).

WARNING - The intensity of the odorant may fade over prolonged storage or in the presence of rust, when placed initially in new or freshly-cleaned storage vessels, or when exposed to masonry.

Conditions for safe storage: Keep container(s) tightly closed and properly labeled. Use and store this material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Store only in approved containers. Post area "No Smoking or Open Flame." Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage. Outdoor or detached storage is preferred. Indoor storage should meet OSHA standards and appropriate fire codes.

"Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. Avoid exposing any part of a compressed-gas cylinder to temperatures above 125F(51.6C). Gas cylinders should be stored outdoors or in well ventilated storerooms at no lower than ground level and should be quickly removable in an emergency.

Section 8: Exposure Controls / Personal Protection

Chemical Name	ACGIH	OSHA	Other
Propane	---	TWA: 1000 ppm TWA: 1800 mg/m ³	---
Propene	TWA: 500 ppm	---	---
Butane	STEL: 1000 ppm	---	---
Isobutane	STEL: 1000 ppm	---	---

Note: State, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or your local agencies, for further information.

Engineering controls: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional engineering controls may be required.

Eye/Face Protection: The use of eye protection (such as splash goggles) that meets or exceeds ANSI Z.87.1 is recommended when there is potential liquid contact to the eye. Depending on conditions of use, a face shield may be necessary.

Skin/Hand Protection: Wear thermal insulating gloves and face shield or eye protection when working with materials that present thermal hazards (hot or cold).

Respiratory Protection: A NIOSH approved, self-contained breathing apparatus (SCBA) or equivalent operated in a pressure demand or other positive pressure mode should be used in situations of oxygen deficiency (oxygen content less than 19.5 percent), unknown exposure concentrations, or situations that are immediately dangerous to life or health (IDLH).

A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use.

Suggestions provided in this section for exposure control and specific types of protective equipment are based on readily available information. Users should consult with the specific manufacturer to confirm the performance of their protective equipment. Specific situations may require consultation with industrial hygiene, safety, or engineering professionals.

Section 9: Physical and Chemical Properties

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm). Data represent typical values and are not intended to be specifications.

Appearance: Colorless

Physical Form: Liquefied Gas

Odor: No distinct odor (or skunk, rotten egg or garlic if odorant added)

Odor Threshold: No data

pH: Not applicable

Vapor Density (air=1): >1

Upper Explosive Limits (vol % in air): 9.5

Lower Explosive Limits (vol % in air): 2.1

Evaporation Rate (nBuAc=1): >1

Particle Size: N/A

Percent Volatile: 100%

Flammability (solid, gas): Extremely Flammable

Flash Point: -156 °F / -104 °C

Test Method: Tag Closed Cup (TCC), ASTM D56

Initial Boiling Point/Range: -44 °F / -42 °C

Vapor Pressure: 208 psia (Reid VP) @ 100°F / 37.8°C

Partition Coefficient (n-octanol/water) (Kow): No data

Melting/Freezing Point: -309 °F / -189 °C

Auto-ignition Temperature: 842 °F / 450 °C

Decomposition Temperature: No data

Specific Gravity (water=1): 0.50-0.51 @ 60°F (15.6°C)

Bulk Density: N/D

Viscosity: N/D

Solubility in Water: Negligible

Section 10: Stability and Reactivity

Reactivity: Not chemically reactive.

Chemical stability: Stable under normal ambient and anticipated conditions of use.

Possibility of hazardous reactions: Hazardous reactions not anticipated.

Conditions to avoid: Avoid all possible sources of ignition. Heat will increase pressure in the storage tank.

Incompatible materials: Avoid contact with acids, aluminum chloride, chlorine, chlorine dioxide, halogens and oxidizing agents.

Hazardous decomposition products: Not anticipated under normal conditions of use.

Section 11: Toxicological Information

Information on Toxicological Effects of Substance/Mixture

Substance / Mixture

Acute Toxicity	Hazard	Additional Information	LC50/LD50 Data
Inhalation	Unlikely to be harmful	Asphyxiant. High concentrations in confined spaces may limit oxygen available for breathing. See Signs and Symptoms.	> 20,000 ppm
Dermal	Skin absorption is not anticipated		Not Applicable
Oral	Ingestion is not anticipated		Not Applicable

Aspiration Hazard: Not applicable

Skin Corrosion/Irritation: Not expected to be irritating. Contact with the liquefied or pressurized gas may cause frostbite ("cold" burn).

Serious Eye Damage/Irritation: Not expected to be irritating. Contact with the liquefied or pressurized gas may cause momentary freezing followed by swelling and eye damage.

Skin Sensitization: Skin contact is not anticipated.

Respiratory Sensitization: Not expected to be a respiratory sensitizer.

Specific Target Organ Toxicity (Single Exposure): Not expected to cause organ effects from single exposure.

Specific Target Organ Toxicity (Repeated Exposure): Not expected to cause organ effects from repeated exposure.

Carcinogenicity: Not expected to cause cancer.

Germ Cell Mutagenicity: Not expected to cause heritable genetic effects.

Reproductive Toxicity: Not expected to cause reproductive toxicity.

Other Comments: High concentrations may reduce the amount of oxygen available for breathing, especially in confined spaces. Hypoxia (inadequate oxygen) during pregnancy may have adverse effects on the developing fetus. The odorant, ethyl mercaptan, can be irritating to the eyes, skin and respiratory tract. At high concentrations, a person can temporarily lose the ability to smell ethyl mercaptan. In addition, some individuals may have an impaired sense of smell, which inhibits the detection of the odorant.

Information on Toxicological Effects of Components

Propane

Target Organs: No systemic or neurotoxic effects were noted in rats exposed to concentrations of propane as high as 12,000 ppm for 28 days.

Reproductive Toxicity: No adverse reproductive or developmental effects were observed in rats exposed to propane; no observed adverse effect level = 12,000 ppm.

Butane

Target Organs: No systemic or neurotoxic effects were noted in rats exposed to concentrations of butane as high as 9,000 ppm for 28 days.

Reproductive Toxicity: No adverse reproductive or developmental effects were observed in rats exposed to butane; no observed adverse effect level = 12,000 ppm.

Isobutane

Target Organs: No systemic or neurotoxic effects were noted in rats exposed to concentrations of isobutane as high as 9,000 ppm for 28 days.

Reproductive Toxicity: No adverse developmental effects were observed in rats exposed to concentrations of isobutane as high as 9000 ppm. Fertility and mating indices may have been affected at 9000 ppm but no effects were observed at 3000 ppm (NOAEL).

Section 12: Ecological Information

GHS Classification:
No classified hazards

Toxicity: Petroleum gases will readily evaporate from the surface and would not be expected to have significant adverse effects in the aquatic environment.

Persistence and Degradability: The hydrocarbons in this material are expected to be inherently biodegradable. In practice, hydrocarbon gases are not likely to remain in solution long enough for biodegradation to be a significant loss process. Hydrogen sulfide, if present in refinery gas streams, will be rapidly oxidized in water and insoluble sulfides precipitated from water when metallic radicals are present.

Bioaccumulative Potential: Since the log Kow values measured for refinery gas constituents are below 3, they are not regarded as having the potential to bioaccumulate.

Mobility in Soil: Due to the extreme volatility of petroleum gases, air is the only environmental compartment in which they will be found. In air, these hydrocarbons undergo photodegradation by reaction with hydroxyl radicals with half-lives ranging from 3.2 days for n-butane to 7 days for propane.

Other adverse effects: None anticipated.

Section 13: Disposal Considerations

This material is a gas and would not typically be managed as a waste.

Section 14: Transport Information

U.S. Department of Transportation (DOT)

Shipping Description:	UN1978, Propane, 2.1,
Non-Bulk Package Marking:	Propane, UN1978
Non-Bulk Package Labeling:	Flammable Gas
Bulk Package/Placard Marking:	Flammable gas / 1978
Packaging - References:	49 CFR: 173.306; 173.304; 173.314 & .315 (Exceptions; Non-bulk; Bulk)
Hazardous Substance:	See Section 15 for RQ's
Emergency Response Guide:	115

Note: For domestic transportation only, UN1075 may be substituted for the UN number shown as long as the substitution is consistent on package markings, shipping papers, and emergency response information. See 49 CFR 172.102 Special Provision 19.
Containers of NON-ODORIZED liquefied petroleum gas must be marked either NON-ODORIZED or NOT ODORIZED as of September 30, 2006. [49 CFR 172.301(f), 326(d), 330(c) and 338(e)]

International Maritime Dangerous Goods (IMDG)

Shipping Description: UN1978, Propane, 2.1
Non-Bulk Package Marking: Propane, UN1978
Labels: Flammable Gas
Placards/Marking (Bulk): Flammable gas / 1978
Packaging - Non-Bulk: P200
EMS: F-D, S-U

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

International Civil Aviation Org. / International Air Transport Assoc. (ICAO/IATA)

UN/ID #: UN1978
Proper Shipping Name: Propane
Hazard Class/Division: 2.1
Non-Bulk Package Marking: Propane, UN1978
Labels: Flammable Gas
ERG Code: 10L
Note: Special provision A1 applies to this product.

	LTD. QTY	Passenger Aircraft	Cargo Aircraft Only
Packaging Instruction #:	Forbidden	Forbidden	200
Max. Net Qty. Per Package:	Forbidden	Forbidden	150 kg

Section 15: Regulatory Information

CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs (in pounds):

This material does not contain any chemicals subject to the reporting requirements of SARA 302 and 40 CFR 372.

CERCLA/SARA - Section 311/312 (Title III Hazard Categories)

Acute Health Hazard: Yes
Chronic Health Hazard: No
Fire Hazard: Yes
Pressure Hazard: yes
Reactive Hazard: No

CERCLA/SARA - Section 313 and 40 CFR 372:

This material contains the following chemicals subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR 372:

Chemical Name	Concentration ¹	de minimis
Propene	<20	1.0%

EPA (CERCLA) Reportable Quantity (in pounds):

EPA's Petroleum Exclusion applies to this material - (CERCLA 101(14)).

California Proposition 65:

WARNING: Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm are created by the combustion of propane.

Canada:

Canadian Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the Regulations.

WHMIS Hazard Class:

A - Compressed gases

B1 - Flammable gas

National Chemical Inventories

All components are either listed on the US TSCA Inventory, or are not regulated under TSCA.

All components are either on the DSL, or are exempt from DSL listing requirements.

U.S. Export Control Classification Number: EAR99

Section 16: Other Information

Date of Issue:	Previous Issue Date:	SDS Number:	Status:
08-Oct-2013	06-Feb-2013	169570	FINAL

Revised Sections or Basis for Revision:

Periodic review and update

Precautionary Statement(s):

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P243: Take precautionary measures against static discharge.

P381: Eliminate all ignition sources if safe to do so.

P377: Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

P410+P403: Protect from sunlight. Store in a well ventilated place.

Guide to Abbreviations:

ACGIH = American Conference of Governmental Industrial Hygienists; CASRN = Chemical Abstracts Service Registry Number; CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; EPA = Environmental Protection Agency; GHS = Globally Harmonized System; IARC = International Agency for Research on Cancer; INSHT = National Institute for Health and Safety at Work; IOPC = International Oil Pollution Compensation; LEL = Lower Explosive Limit; NE = Not Established; NFPA = National Fire Protection Association; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit (OSHA); SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit (15 minutes); TLV = Threshold Limit Value (ACGIH); TWA = Time Weighted Average (8 hours); UEL = Upper Explosive Limit; WHMIS = Worker Hazardous Materials Information System (Canada)

Disclaimer of Expressed and implied Warranties:

The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use. In addition, no authorization is given nor implied to practice any patented invention without a license.



SAFETY DATA SHEET

1. Identification

Product identifier	SUPER GEL-X®
Other means of identification	None.
Recommended use	Not available.
Recommended restrictions	Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name	CETCO, an MTI Company		
Address	2870 Forbs Avenue Hoffman Estates, IL 60192 United States		
Telephone	General Information	800 527-9948	
Website	http://www.cetco.com/		
E-mail	safetydata@amcol.com		
Emergency phone number	.		
Americas	1.866.519.4752 (US, Canada, Mexico) 1 760 476 3962 Access Code 333562		

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.

Label elements

Hazard symbol	None.
Signal word	None.
Hazard statement	Not applicable.
Precautionary statement	
Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	Not applicable.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
TRADE SECRET*		Proprietary*	< 0.1
Other components below reportable levels			90 - 100

Constituents

Chemical name	CAS number	%
CALCIUM CARBONATE	471-34-1	
SMECTITE GROUP MINERALS	1318-93-0	

Constituents

Chemical name	CAS number	%
QUARTZ	14808-60-7	<= 8
CRISTOBALITE	14464-46-1	<= 2

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret. Bentonite is a UVCB substance sub-type 4. The purity of the product is 100 % w/w. Bentonite is composed mainly of smectite group minerals but the composition is varied, as expected for a UVCB substance, and other mineral constituents will be present in small and varying amounts. These minor constituents are not relevant for classification and labelling.

Composition comments Occupational Exposure Limits for constituents are listed in Section 8. The purity of the product is 100% w/w. Impurities are not applicable for a UVCB substance.

4. First-aid measures

Inhalation	If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist. No specific first aid measures noted.
Skin contact	No specific first aid measures noted. Get medical attention if irritation develops and persists. Wash skin with soap and water.
Eye contact	No specific first aid measures noted.
Ingestion	No specific first aid measures noted. Rinse mouth thoroughly. Get medical attention if any discomfort occurs.
Most important symptoms/effects, acute and delayed	Dust in the eyes will cause irritation.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.
General information	No hazards which require special first aid measures. Provide general supportive measures and treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Use any media suitable for the surrounding fires.
Unsuitable extinguishing media	Not applicable, non-combustible.
Specific hazards arising from the chemical	None known. The product itself does not burn.
Special protective equipment and precautions for firefighters	Material can be slippery when wet.
Fire fighting equipment/instructions	In the event of fire, cool tanks with water spray. Material can be slippery when wet.
Specific methods	Cool containers exposed to flames with water until well after the fire is out.
General fire hazards	No unusual fire or explosion hazards noted. This material will not burn.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Material can be slippery when wet. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Avoid inhalation of dust from the spilled material. For personal protection, see section 8 of the SDS. No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.
Methods and materials for containment and cleaning up	If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and accumulation. Avoid the generation of dusts during clean-up. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container.
Environmental precautions	Prevent further leakage or spillage if safe to do so. No special environmental precautions required.

7. Handling and storage

Precautions for safe handling	Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Avoid breathing dust. Avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment. Practice good housekeeping.

Conditions for safe storage, including any incompatibilities

No special restrictions on storage with other products. Store in a dry area. Store in original tightly closed container. Keep the container dry. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Guard against dust accumulation of this material.

8. Exposure controls/personal protection**Occupational exposure limits****US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Constituents	Type	Value	Form
INERT OR NUISANCE DUSTS	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Constituents	Type	Value	Form
INERT OR NUISANCE DUSTS	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

US. ACGIH Threshold Limit Values

Components	Type	Value
TRADE SECRET	TWA	2 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
TRADE SECRET	TWA	6 mg/m3
		2 ppm

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines**US - California OELs: Skin designation**

TRADE SECRET (CAS Proprietary) Can be absorbed through the skin.

US - Tennessee OELs: Skin designation

TRADE SECRET (CAS Proprietary) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

TRADE SECRET (CAS Proprietary) Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

TRADE SECRET (CAS Proprietary) Can be absorbed through the skin.

Appropriate engineering controls

Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL, suitable respiratory protection must be worn.

Individual protection measures, such as personal protective equipment

Eye/face protection Use tight fitting goggles if dust is generated. Wear dust-resistant safety goggles where there is danger of eye contact.

Skin protection

Hand protection No protection is ordinarily required under normal conditions of use.

Other Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory protection

Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Thermal hazards

Not applicable.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Use good industrial hygiene practices in handling this material.

9. Physical and chemical properties**Appearance**

Lump, granular or fine powder.

Physical state

Solid.

Form	Powder. Various.
Color	Various.
Odor	None.
Odor threshold	Not applicable.
pH	8.5 - 11
Melting point/freezing point	> 842 °F (> 450 °C) / Not applicable.
Initial boiling point and boiling range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not available.
Flammability (solid, gas)	This product is not flammable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not applicable.
Flammability limit - upper (%)	Not applicable.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density	2.6 g/cm ³
Solubility(ies)	
Solubility (water)	< 0.9 mg/l
Partition coefficient (n-octanol/water)	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition temperature	> 932 °F (> 500 °C)
Viscosity	Not applicable.
Viscosity temperature	Not applicable.
Other information	
Bulk density	0.9 - 1.4 g/cm ³
Explosive limit	Not applicable.
Explosive properties	Not explosive
Explosivity	Not applicable.
Flame extension	Not applicable.
Flammability	Not applicable.
Flammability (flash back)	Not applicable.
Flammability (Heat of combustion)	Not applicable.
Flammability (Train fire)	Not applicable.
Flammability class	Not applicable.
Flash point class	Not flammable
Molecular formula	UVCB Substance
Molecular weight	Not applicable.
Oxidizing properties	None.
Percent volatile	0 %
pH in aqueous solution	8.5 - 11
Specific gravity	Not applicable.
VOC (Weight %)	CARB 0 %

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Moisture. Avoid temperatures exceeding the decomposition temperature. Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).
Incompatible materials	None known.
Hazardous decomposition products	None.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Inhalation of dusts may cause respiratory irritation.
Skin contact	Not classified.
Eye contact	Dust in the eyes will cause irritation.
Ingestion	Not classified.

Symptoms related to the physical, chemical and toxicological characteristics	None known.

Information on toxicological effects

Product	Species	Test Results
Bentonite		
<u>Acute</u>		
Inhalation		
<i>Dust</i>		
LC50	Rat	> 5.27 mg/l, 4 hr OECD 436
Oral		
<i>Dust</i>		
LD50	Rat	> 2000 mg/kg OECD 425
Components	Species	Test Results
TRADE SECRET		
<u>Acute</u>		
Inhalation		
LC50	Rat	10600 mg/l/4h 1200 mg/l, 4 Hours
Oral		
LD50	Mouse	2400 mg/kg
	Rat	33.5 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Not classified.
Serious eye damage/eye irritation	Dust in the eyes will cause irritation. Mild irritant to eyes (according to the modified Kay & Calandra criteria)
Respiratory or skin sensitization	
Respiratory sensitization	Not classified.
Skin sensitization	Not classified.
Germ cell mutagenicity	Not classified.

Carcinogenicity

In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled. No carcinogenicity data available for this product. Sepiolite was evaluated by IARC as class 3 ("Cannot be classified as to carcinogenicity to humans"). Based on read-across with sepiolite, bentonite was assessed as non-carcinogenic. Therefore classification of bentonite for carcinogenicity is not warranted.

IARC Monographs. Overall Evaluation of Carcinogenicity

TRADE SECRET (CAS Proprietary)

3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Not classified.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not available.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product		Species	Test Results
Bentonite			
Aquatic			
Algae	EC50	Freshwater algae	> 100 mg/l, 72 hours
Crustacea	EC50	Coon stripe shrimp (<i>Pandalus danae</i>)	24.8 mg/l, 96 hours
		Daphnia	> 100 mg/l, 48 hours
		Dungeness or edible crab (<i>Cancer magister</i>)	81.6 mg/l, 96 hours
Fish	LC50	Freshwater fish	16000 mg/l, 96 hours
		Marine water fish	2800 - 3200 mg/l, 24 hours
Components		Species	Test Results
TRADE SECRET			
Aquatic			
Crustacea	EC50	Daphnia	47 mg/L, 48 Hours
Fish	LC50	Fish	222 mg/L, 96 Hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability Not relevant for inorganic substances

Bioaccumulative potential Will not bio-accumulate.

Partition coefficient n-octanol / water (log Kow)

TRADE SECRET

0.35

Mobility in soil Bentonite is almost insoluble and thus presents a low mobility in most soils.

Mobility in general The product has poor water-solubility.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Store containers and offer for recycling of material when in accordance with the local regulations.

14. Transport information**DOT**

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information**US federal regulations****CERCLA Hazardous Substance List (40 CFR 302.4)**

TRADE SECRET (CAS Proprietary) Listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

TRADE SECRET (CAS Proprietary)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Total food additive
Direct food additive
GRAS food additive

US state regulations**US - New Jersey RTK - Substances: Listed substance**

TRADE SECRET (CAS Proprietary)

US - Pennsylvania RTK - Hazardous Substances: Listed substance

TRADE SECRET (CAS Proprietary)

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

TRADE SECRET (CAS Proprietary)

US. Massachusetts RTK - Substance List

TRADE SECRET (CAS Proprietary)

US. New Jersey Worker and Community Right-to-Know Act

TRADE SECRET (CAS Proprietary)

US. Pennsylvania Worker and Community Right-to-Know Law

TRADE SECRET (CAS Proprietary)

US. Rhode Island RTK

TRADE SECRET (CAS Proprietary)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	10-October-2013
Revision date	24-July-2015
Version #	20
Further information	This safety datasheet only contains information relating to safety and does not replace any product information or product specification. UVCB = a substance of Unknown or Variable composition, Complex reaction products or Biological materials SWERF = Size Weighted Respirable Fraction methodology is a scientific method developed to quantify the content of respirable particles within a bulk product. All details about the SWERF method are available at www.crystallinesilica.eu. HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings	Health: 1 Flammability: 0 Physical hazard: 0
NFPA ratings	Health: 1 Flammability: 0 Instability: 0
List of abbreviations	SWERF = Size-Weighted Relevant Fine Fraction methodology is a scientific method developed to quantify the content of respirable particles within a bulk product. All details about the SWERF method are available at www.crystallinesilica.eu. UVCB = a substance of Unknown or Variable composition, Complex reaction products or Biological materials
References	For any information on literature references or toxicity/ecotoxicity studies, please contact the supplier.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information in the sheet was written based on the best knowledge and experience currently available.

Revision Information

This document has undergone significant changes and should be reviewed in its entirety.

Portland Cement Based Concrete Products

MATERIAL SAFETY DATA SHEET (Complies with OSHA 29 CFR 1910.1200)

SECTION I: PRODUCT IDENTIFICATION

The QUIKRETE® Companies
One Securities Centre
3490 Piedmont Road, Suite 1300
Atlanta, GA 30329

Emergency Telephone Number
(770) 216-9580

Information Telephone Number
(770) 216-9580

MSDS J1
Revision: Aug-13



QUIKRETE® Product Name

Code

CONCRETE MIX	1101
FENCE POST MIX	1005
FIBER-REINFORCED CONCRETE MIX	1006
CRACK RESISTANT CONCRETE MIX	1006-80
QUIKRETE 5000 CONCRETE MIX	1007
QUIKRETE 6000 CONCRETE MIX	1007
LIGHTWEIGHT CONCRETE MIX	1008
HANDICRETE CONCRETE MIX	1141-59, -60, -80
MAXIMUM YIELD CONCRETE MIX	1100-80
B-CRETE	1101-81
PRO-FINISH QUIKRETE 5000	1007-85
BASIC CONCRETE MIX	1015
RIP RAP	1129
ALL-STAR CONCRETE MIX	1121
ALL-STAR CRACK RESISTANT CONCRETE MIX	1470-03
ALL-STAR 5000 CONCRETE MIX	1470-01
RED-E-CRETE CONCRETE MIX	1101-91, -87; 1141-62, -63, -92, -93
RIP RAP SCRIM	1134-80
FIBER REINFORCED DECK MIX	1251-80, -81
PRO-FINISH CRACK RESISTANT CONCRETE MIX	1006-68
COUNTERTOP MIX	1106-80
RITEMIX CONCRETE	1171-60
GREEN CONCRETE MIX	1101-63, -73
FLOWCRETE 5000 (Mix 801)	8080026/NR80026

Product Use: Portland cement-based, aggregated products for general construction

SECTION II - HAZARD IDENTIFICATION

Route(s) of Entry: Inhalation, Skin, Ingestion

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Acute Exposure: Product becomes alkaline when exposed to moisture. Exposure can dry the skin, cause alkali burns and affect the mucous membranes. Dust can irritate the eyes and upper respiratory system. Toxic effects noted in animals include, for acute exposures, alveolar damage with pulmonary edema.

Chronic Exposure: Dust can cause inflammation of the lining tissue of the interior of the nose and inflammation of the cornea. Hypersensitive individuals may develop an allergic dermatitis.

Carcinogenicity: Since Portland cement and blended cements are manufactured from raw materials mined from the earth (limestone, marl, sand, shale, etc.) and process heat is provided by burning fossil fuels, trace, but detectable, amounts of naturally occurring, and possibly harmful, elements may be found during chemical analysis. Under ASTM standards, Portland cement may contain 0.75 % insoluble residue. A fraction of these residues may be free crystalline silica. Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs and possibly cancer. There is evidence that exposure to respirable silica or the disease silicosis is associated with an increased incidence of Scleroderma, tuberculosis and kidney disorders.

Carcinogenicity Listings:

NTP:	Known carcinogen
OSHA:	Not listed as a carcinogen
IARC Monographs:	Group 1 Carcinogen
California Proposition 65:	Known carcinogen

NTP: The National Toxicology Program, in its "Ninth Report on Carcinogens" (released May 15, 2000) concluded that "Respirable crystalline silica (RCS), primarily quartz dusts occurring in industrial and occupational settings, is *known to be a human carcinogen*, based on sufficient evidence of carcinogenicity from studies in humans indicating a causal relationship between exposure to RCS and increased lung cancer rates in workers exposed to crystalline silica dust (reviewed in IAC, 1997; Brown *et al.*, 1997; Hind *et al.*, 1997)

IARC: The International Agency for Research on Cancer ("IARC") concluded that there was "*sufficient evidence* in humans for the carcinogenicity of crystalline silica in the forms of quartz or cristobalite from occupational sources", and that there is "*sufficient evidence* in experimental animals for the carcinogenicity of quartz or cristobalite." The overall IARC evaluation was that "crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is *carcinogenic to humans* (Group 1)." The IARC evaluation noted that "carcinogenicity was not detected in all industrial circumstances or studies. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." For further information on the IARC evaluation, see IARC Monographs on the Evaluation of carcinogenic Risks to Humans, Volume 68, "Silica, Some Silicates." (1997)

Signs and Symptoms of Exposure: Symptoms of excessive exposure to the dust include shortness of breath and reduced pulmonary function. Excessive exposure to skin and eyes especially when mixed with water can cause caustic burns as severe as third degree.

Medical Conditions Generally Aggravated by Exposure: Individuals with sensitive skin and with pulmonary and/or respiratory disease, including, but not limited to, asthma and bronchitis, or subject to eye irritation, should be precluded from exposure. Exposure to crystalline silica or the disease silicosis is associated with increased incidence of scleroderma, Tuberculosis and possibly increased incidence of kidney lesions.

Chronic Exposure: Dust can cause inflammation of the lining tissue of the interior of the nose and inflammation of the cornea. Hypersensitive individuals may develop an allergic dermatitis. (May contain trace (<0.05 %) amounts of chromium salts or compounds including hexavalent chromium, or other metals found to be hazardous or toxic in some chemical forms. These metals are mostly present as trace substitutions within the principal minerals)

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Medical Conditions Generally Aggravated by Exposure: Individuals with sensitive skin and with pulmonary and/or respiratory disease, including, but not limited to, asthma and bronchitis, or subject to eye irritation, should be precluded from exposure.

SECTION III - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS No.	%	PEL (OSHA) mg/M ³	TLV (ACGIH) mg/M ³
Portland Cement	65997-15-1	10-30	5	5
Lime	01305-62-0	0-5	5	5
Silica Sand, crystalline	14808-60-7	70-90	<u>10</u> %SiO ₂ +2	0.025 (respirable)

May contain one or more of the following ingredients:

Amorphous Silica (From fly Ash)	07631-86-9	<u>80</u> %SiO ₂ +2	10
Alumina (From Fly Ash)	01344-28-1	5	5
Limestone Dust	01317-65-3	5	5
Calcium Sulfate	10101-41-4 or 13397-24-5	5	5

Other Limits: National Institute for Occupational Safety and Health (NIOSH). Recommended standard maximum permissible concentration=0.05 mg/M³ (respirable free silica) as determined by a full-shift sample up to 10-hour working day, 40-hour work week. See NIOSH Criteria for a Recommended Standard Occupational Exposure to Crystalline Silica.

SECTION IV – First Aid Measures

Eyes: Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Call physician immediately.

Skin: Wash skin with cool water and pH-neutral soap or a mild detergent. Seek medical treatment if irritation or inflammation develops or persists. Seek immediate medical treatment in the event of burns.

Inhalation: Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Seek medical help if coughing and other symptoms do not subside. Inhalations of large amounts of Portland cement require immediate medical attention.

Ingestion: Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flammability: Noncombustible and not explosive.

Auto-ignition Temperature: Not Applicable

Flash Points: Not Applicable

SECTION VI – ACCIDENTAL RELEASE MEASURES

If spilled, use dustless methods (vacuum) and place into covered container for disposal (if not contaminated or wet). Use adequate ventilation to keep exposure to airborne contaminants below the exposure limit.

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SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE

Do not allow water to contact the product until time of use. DO NOT BREATHE DUST. In dusty environments, the use of an OSHA, MSHA or NIOSH approved respirator and tight fitting goggles is recommended.

SECTION VIII – EXPOSURE CONTROL MEASURES

Engineering Controls: Local exhaust can be used, if necessary, to control airborne dust levels.

Personal Protection: The use of barrier creams or impervious gloves, boots and clothing to protect the skin from contact is recommended. Following work, workers should shower with soap and water. Precautions must be observed because burns occur with little warning -- little heat is sensed.

WARN EMPLOYEES AND/OR CUSTOMERS OF THE HAZARDS AND REQUIRED OSHA PRECAUTIONS ASSOCIATED WITH THE USE OF THIS PRODUCT.

Exposure Limits: Consult local authorities for acceptable exposure limits

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance: Gray to gray-brown colored powder; Some products contain coarse aggregates.

Specific Gravity: 2.6 to 3.15

Melting Point: >2700°F

Boiling Point: >2700°F

Vapor Pressure: Not Available

Vapor Density: Not Available

Evaporation Rate: Not Available

Solubility in Water: Slight

Odor: Not Available

pH: 13 (10%)

Volatile Organic Content (VOC): 0 g/L

SECTION X - REACTIVITY DATA

Stability: Stable.

Incompatibility (Materials to Avoid): Contact of silica with powerful oxidizing agents such as fluorine, chlorine trifluoride, manganese trioxide, or oxygen difluoride may cause fires

Hazardous Decomposition or By-products: Silica will dissolve in Hydrofluoric Acid and produce a corrosive gas – silicon tetrafluoride.

Hazardous Polymerization: Will Not Occur.

Condition to Avoid: Keep dry until used to preserve product utility.

SECTION XI – TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation, Ingestion

Toxicity to Animals:

LD50: Not Available

LC50: Not Available

Chronic Effects on Humans: Conditions aggravated by exposure include eye disease, skin disorders and Chronic Respiratory conditions.

Special Remarks on Toxicity: Not Available

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SECTION XII – ECOLOGICAL INFORMATION

Ecotoxicity: Not Available

BOD5 and COD: Not Available

Products of Biodegradation: Not available

Toxicity of the Products of Biodegradation: Not available

Special Remarks on the Products of Biodegradation: Not available

SECTION XIII – DISPOSAL CONSIDERATIONS

Waste Disposal Method: The packaging and material may be land filled; however, material should be covered to minimize generation of airborne dust. This product is not classified as a hazardous waste under the authority of the RCRA (40CFR 261) or CERCLA (40CFR 117&302).

SECTION XIV – TRANSPORT INFORMATION

Not hazardous under U.S. DOT and TDG regulations.

SECTION XV – OTHER REGULATORY INFORMATION

US OSHA 29CFR 1910.1200: Considered hazardous under this regulation and should be included in the employers' hazard communication program

SARA (Title III) Sections 311 & 312: Qualifies as a hazardous substance with delayed health effects

SARA (Title III) Section 313: Not subject to reporting requirements

TSCA (May 1997): Some substances are on the TSCA inventory list

Federal Hazardous Substances Act: Is a hazardous substance subject to statutes promulgated under the subject act

California Regulation: WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Canadian Environmental Protection Act: Not listed

Canadian WHMIS Classification: Considered to be a hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations (Class D2A, E- Corrosive Material) and subject to the requirements of Health Canada's Workplace Hazardous Material Information (WHMIS). This product has been classified according to the hazard criteria of the Controlled Products Regulation (CPR). This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

SECTION XVI – OTHER INFORMATION

HMIS-III:	Health –	0 = No significant health risk 1 = Irritation or minor reversible injury possible 2 = Temporary or minor injury possible 3 = Major injury possible unless prompt action is taken 4 = Life threatening, major or permanent damage possible
	Flammability-	0 = Material will not burn 1 = Material must be preheated before ignition will occur 2 = Material must be exposed to high temperatures before ignition

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Physical Hazard-	3 = Material capable of ignition under normal temperatures
	4 = Flammable gases or very volatile liquids; may ignite spontaneously
	0 = Material is normally stable, even under fire conditions
	1 = Material normally stable but may become unstable at high temps
	2 = Materials that are unstable and may undergo react at room temp
	3 = Materials that may form explosive mixtures with water
	4 = Materials that are readily capable of explosive water reaction

Abbreviations:

ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
CPR	Controlled Products Regulations (Canada)
DOT	Department of Transportation
IARC	International Agency for Research
MSHA	Mine Safety and Health Administration
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicity Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
TLV	Threshold Limit Value
TWA	Time-weighted Average
WHMIS	Workplace Hazardous Material Information System

Last Updated: August 23, 2013

NOTE: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products. END OF MSDS.



MATERIAL SAFETY DATA SHEET - CALIBRATION CHECK GAS

PRODUCT NAME: ISOBUTYLENE (1 PPM – 0.9%) IN AIR

MSDS NO: 248

Version:3

Date: August, 2010

1. Chemical Product and Company Identification

Gasco Affiliates, LLC
320 Scarlett Blvd.
Oldsmar, FL 34677

TELEPHONE NUMBER: (800) 910-0051
FAX NUMBER: (866) 755-8920
E-MAIL: info@gascogas.com

24-HOUR EMERGENCY NUMBER: 1-800-424-9300

PRODUCT NAME: ISOBUTYLENE (1 PPM – 0.9%) IN AIR
CHEMICAL NAME: Isobutylene in air
COMMON NAMES/ SYNONYMS: None
TDG (Canada) CLASSIFICATION: 2.2
WHIMIS CLASSIFICATION: A

2. COMPOSITION/ INFORMATION ON INGREDIENTS

INGREDIENT	%VOLUME	PEL-OSHA	TLV-ACGIH	LD ₅₀ or LC ₅₀ Route/Species
Isobutylene FORMULA: C ₄ H ₈	0.0001-0.9	N/A	N/A	N/A
Air FORMULA: Mixture	99.0 to 99.9999	N/A	N/A	N/A

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Release of this product may produce oxygen-deficient atmospheres (especially in confined spaces or other poorly ventilated environments); individuals in such atmospheres may be asphyxiated. Isobutylene may cause drowsiness and other central nervous system effects in high concentrations; however, due to the low concentration of this gas mixture, this is unlikely to occur.

ROUTE OF ENTRY:

Skin Contact No	Skin Absorption No	Eye Contact No	Inhalation Yes	Ingestion No
HEALTH EFFECTS:				
Exposure Limits Yes	Irritant No	Sensitization No	Reproductive Hazard No	Mutagen No

Carcinogenicity: --NTP: No IARC: No OSHA: No

EYE EFFECTS:

N/A.

SKIN EFFECTS:

N/A.



MATERIAL SAFETY DATA SHEET - CALIBRATION CHECK GAS

PRODUCT NAME: ISOBUTYLENE (1 PPM – 0.9%) IN AIR

INGESTION EFFECTS:

Ingestion unlikely. Gas at room temperature.

INHALATION EFFECTS:

Due to the small size of this cylinder, no unusual health effects from over-exposure are anticipated under normal routine use.

NFPA HAZARD CODES

Health: 1
Flammability: 0
Reactivity: 0

HMIS HAZARD CODES

Health: 1
Flammability: 0
Reactivity: 0

RATING SYSTEM

0= No Hazard
1= Slight Hazard
2= Moderate Hazard
3= Serious Hazard
4= Severe Hazard

4. FIRST AID MEASURES

EYES:

N/A

SKIN:

N/A

INGESTION:

Not required

INHALATION:

PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE. RESCUE PERSONNEL SHOULD BE EQUIPPED WITH THE SELF-CONTAINED BREATHING APPARATUS. Victims should be assisted to an uncontaminated area and inhale fresh air. Quick removal from the contaminated area is most important. If breathing has stopped administer artificial resuscitation and supplemental oxygen. Further treatment should be symptomatic and supportive.

5. FIRE-FIGHTING MEASURES

These containers hold gas under pressure, with no liquid phase. If involved in a major fire, they should be sprayed with water to avoid pressure increases, otherwise pressures will rise and ultimately they may distort or burst to release the contents. The gases will not add significantly to the fire, but containers or fragments may be projected considerable distances - thereby hampering fire fighting efforts.

6. ACCIDENTAL RELEASE MEASURES

In terms of weight, these containers hold very little contents, such that any accidental release by puncturing etc. will be of no practical concern.

7. HANDLING AND STORAGE

Suck back of water into the container must be prevented. Do not allow backfeed into the container. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Use only in well-ventilated areas. Do not heat cylinder by any means to increase rate of product from the cylinder. Do not allow the temperature where cylinders are stored to exceed 130°F (54°C).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Use adequate ventilation for extended use of gas.



MATERIAL SAFETY DATA SHEET - CALIBRATION CHECK GAS

PRODUCT NAME: ISOBUTYLENE (1 PPM – 0.9%) IN AIR

9. PHYSICAL AND CHEMICAL PROPERTIES

PARAMETER:	VALUE:
Physical state	: Gas
Evaporation point	: N/A
pH	: N/A
Odor and appearance	: Colorless, odorless gas

10. STABILITY AND REACTIVITY

Stable under normal conditions. Expected shelf life 48 months.

11. TOXICOLOGICAL INFORMATION

No toxicological damage caused by this product.

12. ECOLOGICAL INFORMATION

No ecological damage caused by this product.

13. DISPOSAL INFORMATION

Do not discharge into any place where its accumulation could be dangerous. Used containers are acceptable for disposal in the normal waste stream as long as the cylinder is empty and valve removed or cylinder wall is punctured; but GASCO encourages the consumer to return cylinders.

14. TRANSPORT INFORMATION

	<u>United States DOT</u>	<u>Canada TDG</u>
PROPER SHIPPING NAME:	Compressed Gas N.O.S. (Isobutylene in Air)	Compressed Gas N.O.S. (Isobutylene in Air)
HAZARD CLASS:	2.2	2.2
IDENTIFICATION NUMBER:	UN1956	UN1956
SHIPPING LABEL:	NONFLAMMABLE GAS	NONFLAMMABLE GAS

15. REGULATORY INFORMATION

Isobutylene is listed under the accident prevention provisions of section 112(r) of the Clean Air Act (CAA) with a threshold quantity (TQ) of 10,000 pounds.

16. OTHER INFORMATION

This MSDS has been prepared in accordance with the Chemicals (Hazard Information and Packaging for Supply (Amendment) Regulation 1996. The information is based on the best knowledge of GASCO, and its advisors and is given in good faith, but we cannot guarantee its accuracy, reliability or completeness and therefore disclaim any liability for loss or damage arising out of use of this data. Since conditions of use are outside the control of the Company and its advisors we disclaim any liability for loss or damage when the product is used for other purposes than it is intended.

MSDS/S010/248/ August, 2010

SAFETY DATA SHEET**WISCONSIN PHARMACAL COMPANY****1 Pharmacal Way****P.O Box 198****Jackson, WI 53037****EMERGENCY NUMBER:** 1-800-255-3924
(24 HOURS)**INFORMATION NUMBER:** 1-800-558-6614
(BUSINESS HOURS)**1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** Coleman Insect Repellent 40% Deet Sportsmen**PRODUCT DESCRIPTION:** Pressurized Personal Insect Repellent**PRODUCT CODE:** 735, 7352, 7356**EPA REG. NO. :** 54287-17-79533**PREPARED BY:** John Nygaard**DATE REVISED:** 1-15-2015**HMIS:** Health Hazard: 2

Fire Hazard: 4

COMMENTS: For information regarding MEDICAL EMERGENCIES

Reactivity: 0

OR PESTICIDE INCIDENTS, call the INTERNATIONAL POISON

PPE: A

CENTER at 1-888-740-8712 24 hrs a day.

2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW:** IMMEDIATE CONCERNS**WARNING:** Harmful if swallowed. May cause eye injury. Avoid contact with eyes and lips. May cause skin reaction in rare cases. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.**POTENTIAL HEALTH EFFECTS****EYES:** May cause eye injury.**SKIN:** Avoid contact with eyes and lips. May cause skin reaction in rare cases.**INGESTION:** Harmful if swallowed.**INHALATION:** Avoid breathing spray mist or using in an enclosed area.**CHRONIC:** Not established.**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS#	ACGIH TLV#
N,N-diethyl-m-Toluamide (DEET)	40	134-62-3	N/A
SDA-40 Ethanol	~49	64-17-5	1000 ppm
Isobutane	10	75-28-5	N/E

COMMENTS:

Unidentified ingredients are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

INGESTION: If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

INHALATION: Remove affected person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention immediately.

IF YOU SUSPECT A REACTION TO THIS PRODUCT: Discontinue use; Take off contaminated clothing; Rinse skin immediately with plenty of water for 15-20 minutes; Call a poison control center or doctor for treatment advice.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 55°F TCC

FLAME EXTENSION: 18"

FLAMMABLE LIMITS: Lower: 3.3% Upper: 19.0%

AUTOIGNITION TEMPERATURE: 793°F

FIRE EXTINGUISHING MEDIA: CO₂, Foam or Dry Chemical

FIRE FIGHTING PROCEDURES: Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.

6. ACCIDENTAL RELEASE MEASURES

Flammable material. Remove all possible ignition sources. Wipe up with absorbent material. Wash small quantities away with soapy water. Prevent bulk quantities from entering open sewers and waterways.

WASTE DISPOSAL:

This material is flammable and must be disposed of in accordance with local, state and Federal regulations. Do not puncture or incinerate empty container, dispose of properly.

7. HANDLING AND STORAGE PRECAUTIONS

Keep away from heat, sparks or open flame. Do not expose treated skin to fire sparks or flame until material has dried.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION ENGINEERING CONTROLS:

Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear OSHA-approved safety glasses, goggles or face shield.

SKIN: Wear chemically impervious gloves such as Neoprene or Nitrile and protective clothing.

RESPIRATORY: In absence of proper mechanical ventilation, wear a NIOSH approved organic vapor respirator.

PROTECTIVE CLOTHING: Wear chemically impervious gloves, such as Neoprene or Nitrile. Wear leather shoes and long pants and long sleeve shirt.

WORK HYGIENIC PRACTICES: DO NOT SMOKE, EAT, OR DRINK, OR APPLY COSMETICS IN WORK AREA! Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking, or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid (pressurized)

ODOR: Ethanolic odor

pH: Not applicable

VAPOR DENSITY: 1.6

BOILING POINT: Not Available

FREEZING POINT: Not Available

MELTING POINT: Not Available

SOLUBILITY IN WATER: 100%

SPECIFIC GRAVITY: 0.83 (water=1) at 20°C

EVAPORATION RATE: ~1

PERCENT VOLATILE: ~59%

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Temperatures above 120°F

11. TOXICOLOGICAL INFORMATION

GENERAL COMMENTS: No data available.

COMMENTS: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Not Available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Do not puncture or incinerate! IF EMPTY: Do not reuse container. Place in trash or offer for recycling if available. IF PARTLY FILLED: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Insecticide or Insect Repellent

PRIMARY HAZARD CLASS/DIVISION: Limited Quantities

OTHER SHIPPING INFORMATION: Level 1 Aerosol

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:****FIRE:** NO**PRESSURE GENERATING:** NO**REACTIVITY:** NO**ACUTE:** NO**313 REPORTABLE INGREDIENTS:** None.**302/304 EMERGENCY PLANNING**

EMERGENCY PLAN: There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355). There are no components that are subject to emergency requirements under CERCLA Section 103(a)(40 CFR 302.4) in this formulation.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All chemical substances found in this product comply with the Toxic Substances Control Act's inventory reporting requirements.

16. OTHER INFORMATION

REVISION SUMMARY: Original Preparation 10-30-2009

HMIS CODES: HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 0

HMIS RATINGS NOTES: We assign HMIS ratings to this product based on the hazards of its ingredient(s). Since the customer is most aware of the applications and conditions of use, he must ensure that the proper personal protective equipment is provided consistent with the information contained in sections 7 and 8 of this MSDS.

COMMENTS:

The data contained herein is based on information currently available to Wisconsin Pharmacal Company LLC, and believed to be factual and the opinions expressed to be those of qualified experts; however, this data is not to be taken as a warranty or representation of which Wisconsin Pharmacal Company LLC assumes legal responsibility.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015**Revision :** 12.10.2015**Trade Name:** Alconox**1 Identification of the substance/mixture and of the supplier****1.1 Product identifier****Trade Name:** Alconox**Synonyms:****Product number:** Alconox**1.2 Application of the substance / the mixture :** Cleaning material/Detergent**1.3 Details of the supplier of the Safety Data Sheet****Manufacturer**Alconox, Inc.
30 Glenn Street
White Plains, NY 10603
1-914-948-4040**Supplier**

Not Applicable

Emergency telephone number:**ChemTel Inc**

North America: 1-800-255-3924

International: 01-813-248-0585

2 Hazards identification**2.1 Classification of the substance or mixture:**

In compliance with EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments.

Hazard-determining components of labeling:Tetrasodium Pyrophosphate
Sodium tripolyphosphate
Sodium Alkylbenzene Sulfonate**2.2 Label elements:**Skin irritation, category 2.
Eye irritation, category 2A.**Hazard pictograms:****Signal word:** Warning**Hazard statements:**H315 Causes skin irritation.
H319 Causes serious eye irritation.**Precautionary statements:**P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 If on skin: Wash with soap and water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P501 Dispose of contents and container as instructed in Section 13.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015**Revision :** 12.10.2015**Trade Name:** Alconox**Additional information:** None.**Hazard description****Hazards Not Otherwise Classified (HNOC):** None**Information concerning particular hazards for humans and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

3 Composition/information on ingredients**3.1 Chemical characterization :** None**3.2 Description :** None**3.3 Hazardous components (percentages by weight)**

Identification	Chemical Name	Classification	Wt. %
CAS number: 7758-29-4	Sodium tripolyphosphate	Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	12-28
CAS number: 68081-81-2	Sodium Alkylbenzene Sulfonate	Acute Tox. 4; H303 Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	8-22
CAS number: 7722-88-5	Tetrasodium Pyrophosphate	Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	2-16

3.4 Additional Information : None.**4 First aid measures****4.1 Description of first aid measures****General information:** None.**After inhalation:**

Maintain an unobstructed airway.

Loosen clothing as necessary and position individual in a comfortable position.

After skin contact:

Wash affected area with soap and water.

Seek medical attention if symptoms develop or persist.

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

Remove contact lens(es) if able to do so during rinsing.

Seek medical attention if irritation persists or if concerned.

After swallowing:

Rinse mouth thoroughly.

Seek medical attention if irritation, discomfort, or vomiting persists.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015**Revision :** 12.10.2015**Trade Name:** Alconox**4.2 Most important symptoms and effects, both acute and delayed**

None

4.3 Indication of any immediate medical attention and special treatment needed:

No additional information.

5 Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

For safety reasons unsuitable extinguishing agents : None**5.2 Special hazards arising from the substance or mixture :**

Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for firefighters**Protective equipment:**

Wear protective eye wear, gloves and clothing.

Refer to Section 8.

5.4 Additional information :

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols.

Avoid contact with skin, eyes and clothing.

6 Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures :**

Ensure adequate ventilation.

Ensure air handling systems are operational.

6.2 Environmental precautions :

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

6.3 Methods and material for containment and cleaning up :

Wear protective eye wear, gloves and clothing.

6.4 Reference to other sections : None**7 Handling and storage****7.1 Precautions for safe handling :**

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

7.2 Conditions for safe storage, including any incompatibilities :

Store in a cool, well-ventilated area.

7.3 Specific end use(s):

No additional information.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015**Revision :** 12.10.2015**Trade Name:** Alconox**8 Exposure controls/personal protection****8.1 Control parameters :**

7722-88-5, Tetrasodium Pyrophosphate, OSHA TWA 5 mg/m3.

8.2 Exposure controls**Appropriate engineering controls:**

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Respiratory protection:

Not needed under normal conditions.

Protection of skin:

Select glove material impermeable and resistant to the substance.

Eye protection:

Safety goggles or glasses, or appropriate eye protection.

General hygienic measures:

Wash hands before breaks and at the end of work.

Avoid contact with skin, eyes and clothing.

9 Physical and chemical properties

Appearance (physical state, color):	White and cream colored flakes - powder	Explosion limit lower: Explosion limit upper:	Not determined or not available. Not determined or not available.
Odor:	Not determined or not available.	Vapor pressure at 20°C:	Not determined or not available.
Odor threshold:	Not determined or not available.	Vapor density:	Not determined or not available.
pH-value:	9.5 (aqueous solution)	Relative density:	Not determined or not available.
Melting/Freezing point:	Not determined or not available.	Solubilities:	Not determined or not available.
Boiling point/Boiling range:	Not determined or not available.	Partition coefficient (n-octanol/water):	Not determined or not available.
Flash point (closed cup):	Not determined or not available.	Auto/Self-ignition temperature:	Not determined or not available.
Evaporation rate:	Not determined or not available.	Decomposition temperature:	Not determined or not available.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015**Revision ;** 12.10.2015

Trade Name: Alconox			
Flammability (solid, gaseous):	Not determined or not available.	Viscosity:	a. Kinematic: Not determined or not available. b. Dynamic: Not determined or not available.
Density at 20°C:	Not determined or not available.		

10 Stability and reactivity**10.1 Reactivity :** None**10.2 Chemical stability :** None**10.3 Possibility hazardous reactions :** None**10.4 Conditions to avoid :** None**10.5 Incompatible materials :** None**10.6 Hazardous decomposition products :** None**11 Toxicological information****11.1 Information on toxicological effects :****Acute Toxicity:****Oral:**

: LD50 > 5000 mg/kg oral rat - Product .

Chronic Toxicity: No additional information.**Skin corrosion/irritation:**

Sodium Alkylbenzene Sulfonate: Causes skin irritation. .

Serious eye damage/irritation:

Sodium Alkylbenzene Sulfonate: Causes serious eye irritation .

Tetrasodium Pyrophosphate: Rabbit - Risk of serious damage to eyes .

Respiratory or skin sensitization: No additional information.**Carcinogenicity:** No additional information.**IARC (International Agency for Research on Cancer):** None of the ingredients are listed.**NTP (National Toxicology Program):** None of the ingredients are listed.**Germ cell mutagenicity:** No additional information.**Reproductive toxicity:** No additional information.**STOT-single and repeated exposure:** No additional information.**Additional toxicological information:** No additional information.**12 Ecological information**

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015**Revision :** 12.10.2015**Trade Name:** Alconox**12.1 Toxicity:**

Sodium Alkylbenzene Sulfonate: Fish, LC50 1.67 mg/l, 96 hours.

Sodium Alkylbenzene Sulfonate: Aquatic invertebrates, EC50 Daphnia 2.4 mg/l, 48 hours.

Sodium Alkylbenzene Sulfonate: Aquatic Plants, EC50 Algae 29 mg/l, 96 hours.

Tetrasodium Pyrophosphate: Fish, LC50 - other fish - 1,380 mg/l - 96 h.

Tetrasodium Pyrophosphate: Aquatic invertebrates, EC50 - Daphnia magna (Water flea) - 391 mg/l - 48 h.

12.2 Persistence and degradability: No additional information.**12.3 Bioaccumulative potential:** No additional information.**12.4 Mobility in soil:** No additional information.**General notes:** No additional information.**12.5 Results of PBT and vPvB assessment:****PBT:** No additional information.**vPvB:** No additional information.**12.6 Other adverse effects:** No additional information.**13 Disposal considerations****13.1 Waste treatment methods (consult local, regional and national authorities for proper disposal)****Relevant Information:**

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities. (US 40CFR262.11).

14 Transport information

14.1 UN Number:	None
ADR, ADN, DOT, IMDG, IATA	

14.2 UN Proper shipping name:	None
ADR, ADN, DOT, IMDG, IATA	

14.3 Transport hazard classes:	
ADR, ADN, DOT, IMDG, IATA	
Class:	None
Label:	None
LTD. QTY:	None

US DOT	
Limited Quantity Exception:	None

Bulk:

RQ (if applicable): None

Proper shipping Name: None

Hazard Class: None

Packing Group: None

Marine Pollutant (if applicable): No additional information.

Non Bulk:

RQ (if applicable): None

Proper shipping Name: None

Hazard Class: None

Packing Group: None

Marine Pollutant (if applicable): No additional information.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015**Revision :** 12.10.2015

Trade Name: Alconox	
Comments: None	Comments: None
14.4 Packing group: ADR, ADN, DOT, IMDG, IATA	None
14.5 Environmental hazards :	None
14.6 Special precautions for user: Danger code (Kemler): EMS number: Segregation groups:	None None None None
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.	
14.8 Transport/Additional information: Transport category: Tunnel restriction code: UN "Model Regulation":	
	None None None

15 Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.
North American
SARA**Section 313 (specific toxic chemical listings):** None of the ingredients are listed.**Section 302 (extremely hazardous substances):** None of the ingredients are listed.**CERCLA (Comprehensive Environmental Response, Clean up and Liability Act) Reportable****Spill Quantity:** None of the ingredients are listed.**TSCA (Toxic Substances Control Act):****Inventory:** All ingredients are listed.**Rules and Orders:** Not applicable.**Proposition 65 (California):****Chemicals known to cause cancer:** None of the ingredients are listed.**Chemicals known to cause reproductive toxicity for females:** None of the ingredients are listed.**Chemicals known to cause reproductive toxicity for males:** None of the ingredients are listed.**Chemicals known to cause developmental toxicity:** None of the ingredients are listed.**Canadian****Canadian Domestic Substances List (DSL):**

All ingredients are listed.

EU**REACH Article 57 (SVHC):** None of the ingredients are listed.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015**Revision :** 12.10.2015**Trade Name:** Alconox**Germany MAK:** Not classified.**Asia Pacific****Australia****Australian Inventory of Chemical Substances (AICS):** All ingredients are listed.**China****Inventory of Existing Chemical Substances in China (IECSC):** All ingredients are listed.**Japan****Inventory of Existing and New Chemical Substances (ENCS):** All ingredients are listed.**Korea****Existing Chemicals List (ECL):** All ingredients are listed.**New Zealand****New Zealand Inventory of Chemicals (NZOIC):** All ingredients are listed.**Philippines****Philippine Inventory of Chemicals and Chemical Substances (PICCS):** All ingredients are listed.**Taiwan****Taiwan Chemical Substance Inventory (TSCI):** All ingredients are listed.**16 Other information****Abbreviations and Acronyms:** None**Summary of Phrases****Hazard statements:**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements:

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 If on skin: Wash with soap and water.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P321 Specific treatment (see supplemental first aid instructions on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P501 Dispose of contents and container as instructed in Section 13.

Manufacturer Statement:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NFPA: 1-0-0

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015

Revision : 12.10.2015

Trade Name: Alconox

HMIS: 1-0-0

APPENDIX B
TRAFFIC CONTROL PLAN

Traffic Control Plan
CHGE New Windsor/Little Britain Road
Subsurface Investigation

For all locations on the facility, the rig and attending vehicles will be setup in an orientation to minimize risks to workers and equipment from onsite traffic. A spotter will be used to spot traffic as the rig sets up on the location. The work area will be delineated with cones and caution tape. "Men Working" sign(s) will also be set up.

Traffic control is especially important for locations MW18-13 (near the corner of the building) and MW18-12 (near the fuel station). For MW18-12, a "Men Working" will be setup by the dumpsters at MW05-8C as an early warning to traffic heading around the building toward the fuel station.

Caution will also be used during equipment and material deliveries to ensure no onsite vehicle accidents occur.

APPENDIX C
Kleinfelder Internal Incident Severity Notification Guide

Safety Incidents and Near Losses			
Severity Levels	Personal Injuries	Corp. Support Personnel to be Notified as applicable per incident type and associated SOPs	Highest level of line management notified (minimum)
0	No Treatment (NLI or injury not requiring first-aid)	DSM; VPH&S	Regional Mgr
1	First Aid	DSM; VPH&S; HR; WC Coord.; H&S Administrator	Div Mgr
2	Medical Trt	DSM; VPH&S; HR; WC Coord.; H&S Administrator	COO
3	Restricted Duty	DSM; VPH&S; HR; WC Coord.; H&S Administrator	COO
4	Serious injury, such as broken bones, amputation, hospitalization, or Lost Time case	DSM; VPH&S; HR; WC Coord.; H&S Administrator; Risk & Insurance Analyst	COO
5	Fatality	DSM; VPH&S; HR; WC Coord.; H&S Administrator; Risk & Insurance Analyst	CEO

Appendix 1A

New York State Department of Health Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.
2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.
4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed $150 \text{ mcg}/\text{m}^3$ above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than $150 \text{ mcg}/\text{m}^3$ above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within $150 \text{ mcg}/\text{m}^3$ of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009



**QUALITY ASSURANCE PROJECT PLAN
CENTRAL HUDSON GAS AND ELECTRIC CUSTOMER SERVICE
CENTER**

**610 LITTLE BRITAIN ROAD
NEW WINDSOR, NEW YORK
NYSDEC BCA# C336031**

JANUARY 2020

**CENTRAL HUDSON GAS & ELECTRIC CORPORATION
610 LITTLE BRITAIN ROAD
NEW WINDSOR, NEW YORK 12553**

**QUALITY ASSURANCE PROJECT PLAN
CENTRAL HUDSON GAS & ELECTRIC
LITTLE BRITAIN ROAD FACILITY
NEW WINDSOR, NEW YORK**

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January 3, 2020
Kleinfelder Project No. 20202886.001A

QAPP REVISION HISTORY

This page is a record of revisions to the Quality Assurance Project Plan (QAPP).

REVISION NUMBER	EFFECTIVE DATE	DESCRIPTION

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- C Laboratory Standard Operating Procedure (SOP)
 - Eurofins-TestAmerica – Burlington, VT

ACRONYMS/ABBREVIATIONS

ASTM	American Society for Testing and Materials
BCA	Brownfield Cleanup Agreement
CCV	continuing calibration verification
CHGE	Central Hudson Gas and Electric
CLP	Contract Laboratory Program
COC	chain of custody
ELAP	Environmental Laboratory Accreditation Program
IAQ	indoor air quality investigation
ID	identification
Kleinfelder	Kleinfelder, Inc.
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
LIMS	Laboratory Information Management System
MDL	method detection limit
MS	matrix spike
MSD	matrix spike duplicate
NELAP	National Environmental Laboratory Accreditation Program
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PARCCS	precision, accuracy, representativeness, completeness, comparability, and sensitivity
%C	percent complete
%R	percent recovery
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
RL	reporting limit
RPD	relative percent difference
RSL	Regional Screening Level
SDG	sample delivery group
SL	screening level
SSDS	sub-slab depressurization system
SOP	standard operating procedure
TCE	trichloroethene
USEPA	United States Environmental Protection Agency
VCP	Voluntary Cleanup Program
VOC	volatile organic compound

1 INTRODUCTION

On behalf of Central Hudson Gas & Electric (CHGE), Kleinfelder, Inc. (Kleinfelder), has prepared this Quality Assurance Project Plan (QAPP) for the Little Britain Road Customer Service Center Facility located at 610 Little Britain Road, New Windsor, New York (the Site). Activities to be performed under this QAPP include the sampling and analysis of soil vapor, indoor air, outdoor air, and system effluent air. This QAPP was prepared consistent with the United States Environmental Protection Agency (USEPA) *Requirements for Quality Assurance Project Plans* (USEPA, March 2001, Reissued May 2006).

The Site is located at 610 Little Britain Road, to the north of Little Britain Road and to the east of Lake Washington in New Windsor, New York. CHGE has owned and operated the service center facility since 1977. The facility houses offices, truck/ service bays, truck storage bays and exterior truck parking areas, and material storage areas. In the mid-1990s a Preliminary Site Assessment performed at the facility identified a source of volatile organic compound (VOC) contamination in soil in the vicinity of a former drum storage area used by the previous owner. CHGE entered the New York State Department of Environmental Conservation's (NYSDEC's) Voluntary Cleanup Program (VCP) in August 1999 to address the source of contamination. With the NYSDEC closing of the VCP state-wide, CHGE has executed a Brownfield Cleanup Agreement (BCA) with the NYSDEC and has entered into the Brownfield Cleanup Program (BCA# C336031).

Since the Preliminary Site Assessment, several environmental investigations have occurred to address the VOC contamination, including a sub-slab and indoor air quality investigation (IAQ) prior to September 2008. The sub-slab and IAQ investigation, performed by Precision Environmental Services, Inc of Ballston Spa, NY, identified sub-slab concentrations of various chlorinated compounds, with the most common being Trichloroethene (TCE). The welding shop garage, vehicle repair shop, and side bay areas of the Site contained the highest sub-slab TCE concentrations of 14,200 $\mu\text{g}/\text{m}^3$, 9,570 $\mu\text{g}/\text{m}^3$, and 5,060 $\mu\text{g}/\text{m}^3$, respectively. CHGE personnel reported that IAQ data had not detected TCE or other chlorinated solvents in indoor air during the time of the IAQ investigation, suggesting that the floor slab had provided a generally intact vapor barrier between sub-slab atmospheres and the indoor space.

Based upon the sub-slab concentrations observed, a sub-slab depressurization system (SSDS) was voluntarily installed as a proactive measure, as reported in the Sub-slab Depressurization System Report prepared by The Chazen Companies in January 2009.

This QAPP is intended to support the evaluation of the existing SSDS at the Site. This currently includes: indoor and outdoor air assessment, assessment of system effluent vapor, and sub-slab soil vapor assessment.

These assessments are intended to collect data to evaluate the efficiency and effectiveness of the SSDS within the facility. The goal is to evaluate the VOC concentrations in the sub-slab vapor and indoor air within the facility. The Sub-Slab Depressurization System Evaluation Work Plan (Work Plan), prepared by Kleinfelder in May 2019, will be used to perform the evaluation for VOCs in indoor air, ambient (outdoor) air, and sub-slab soil vapor.

1.1 PURPOSE

This QAPP defines the implementation procedures to be followed by project personnel to ensure the data generated from air and sub-slab vapor assessment activities are precise, accurate, representative, complete, and comparable to actual Site conditions, and that they meet the criteria of technical project procedures during sample collection, sample analysis, and data evaluation. This QAPP describes the procedures for achieving scientifically valid and sound data, based on the intended use of the data.

1.2 DATA USAGE

Data collected during field activities will be used to further evaluate and delineate the nature and extent of VOCs in indoor air, outdoor air, and sub-slab vapor at the Site. The data will be used to evaluate the effectiveness of the onsite SSDS and determine if VOC concentrations warrant permanent system decommissioning.

2 PROJECT ORGANIZATION

The project organization for current assessment activities at the Site includes representatives from CHGE and CHGE Consultant as noted below.

2.1 PROJECT ORGANIZATION

The specific responsibilities for the project organization are described below.

- **CHGE Project Manager**, will be responsible for each aspect of the project from the CHGE perspective. Communications and direction regarding the implementation of the indoor air and other assessments will be overseen by the CHGE Project Manager.
- **CHGE Consultant, Project Manager**, will supervise the air assessment work performed at the Site. Responsibilities include project planning, scheduling, staffing, execution of tasks and subcontracts, and managing deliverables.
- **CHGE Consultant, Field Team Leader**, will be responsible for each aspect of the field program including the oversight of field staff, scheduling subcontractors for field work if applicable, and the performance of the field tasks presented in work plans.
- **CHGE Consultant, Alternate Team Leader**, will be responsible for each aspect of the field program including the oversight of field staff, scheduling subcontractors for field work if applicable, and the performance of the field tasks presented in work plans.
- **CHGE Consultant, Project Chemist/Data Quality Reviewer**, will be responsible for the development of the quality assurance (QA) process for compliance, coordination, technical oversight, and management of the analytical laboratory subcontractors, as well as oversight and technical lead for the data quality assessment process.
- **CHGE Consultant, Data Manager**, will be responsible for the storage, maintenance, and reporting of data upon completion of the data quality assessment process. The Data Manager will also be involved with the coordination of data deliverables by the project laboratory so that the data are provided in the proper format. The Data Manager will work closely with the Project Chemist and the laboratory's project managers.
- **CHGE Consultant, Alternative Data Manager**, will be responsible for the storage, maintenance, and reporting of data upon completion of the data quality assessment process. The Data Manager will also be involved with the coordination of data deliverables by the project laboratory so that the data are provided in the proper format. The Data Manager will work closely with the Project Chemist and the laboratory project managers.

2.2 PROJECT TEAM SPECIALIZED TRAINING

Site-specific training required for the project investigations to be performed at the Site, if determined to be necessary by CHGE, will be provided by CHGE. Standard training will be performed consistent with the Site-Specific Health and Safety Plan. The CHGE Consultant and subcontractor field personnel, where applicable, will be trained and qualified to perform the task assigned to them. Documentation of required training will be maintained in the project files for the CHGE Consultant personnel and subcontractors. Field personnel will receive task-specific safety briefings in the form of a daily pre-shift tailgate safety meeting at the beginning of each shift. Field personnel performing or assisting with project tasks will review this QAPP and sign and date the Personnel Sign-Off Sheet provided in Attachment A.

2.3 ANALYTICAL LABORATORIES

The following analytical laboratory will provide analytical testing services for air and vapor samples at the Site by USEPA Method TO-15.

Eurofins TestAmerica

30 Community Drive, Suite 11
South Burlington, Vermont 05403
802.923.1029

If another analytical laboratory is needed to provide the analytical services, the laboratory selected will be evaluated based on current state accreditations, quality management procedures and documents, data quality deliverables, reporting capabilities (schedule and turnaround time), and compliance with electronic data deliverable format.

2.4 DATA VALIDATION

Data Validation, if required, will be performed by the CHGE Consultant project chemist and/or qualified personnel.

3 QUALITY ASSURANCE OBJECTIVES

This section describes the overall quality objectives for data that will be generated from air, vapor, and quality assurance/quality control (QA/QC) samples that may be collected during this investigation. The types of sampling and analytical methods, including the QA/QC procedures, to be implemented during field investigations are based on the project objectives discussed in Section 1.

The data collected will meet QA objectives of this QAPP, including the data collection and assessment procedures. The data collected will also be within specified tolerances for precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) criteria, as discussed in Section 3.1.1.

3.1 DATA MEASUREMENT OBJECTIVES

Data measurement objectives define data quality requirements to be met to support project objectives. Data measurement objectives are the data quality determinants needed to support specific decisions or regulatory actions, and include the following:

- The specification of analytical method(s) and reporting limit (RL) requirements.
- The identification (ID) of the appropriate laboratory analytical QC requirements.
- The selection of the appropriate levels of other PARCCS criteria for the data.
- Specific sample-handling issues or other project-specific issues.

RL goals are based on regulatory screening level criteria, including NYSDEC and New York State Department of Health (NYSDOH) screening levels (SLs), USEPA Regional Screening Levels (RSLs), or other risk-based screening levels. The RL goals for air and vapor samples are provided in **Table 1**.

3.1.1 PARCCS Criteria

The PARCCS criteria are the qualitative and quantitative indicators of data quality. An objective of this QAPP is to provide quality parameters so that data are precise, accurate, representative, complete, comparable, and sensitive to actual Site conditions. PARCCS criteria are defined in the following paragraphs. **Table 2** provides a summary of the target analyte RLs and the precision and accuracy goals.

The laboratory will follow the project-defined limits for precision and accuracy for the project-specific sample analysis. In each case, the project laboratory will take corrective action to correct or address QC outliers (i.e., failed calibration checks, spike recovery outliers, etc.).

Precision is a measure of the variability between two or more values that should be equivalent: low variability between values indicates a higher level of precision as compared to high variability between values. For example, two aliquots of soil from the same sample (duplicates) would be expected to contain equivalent concentrations of a given analyte. This variability between aliquots may be quantified as the relative percent difference (RPD) according to the equation:

$$\text{RPD} = [(x_1 - x_2) / x_{\text{avg}}] \times 100\%$$

where:

x_1 = concentration of sample 1 of pair

x_2 = concentration of sample 2 of pair

x_{avg} = average of sample 1 and sample 2.

Table 2 summarizes the precision goals for this project.

Accuracy is the degree of agreement between a measurement (or an average of the same measurement type) and an accepted reference or estimate of the true value. Accuracy includes a combination of random error (precision) and systematic error (bias) components due to sampling and analytical operations. Accuracy is evaluated using laboratory control samples (LCS), matrix spike (MS) samples, where applicable, and surrogates, where applicable. Accuracy is typically expressed as percent recovery (%R), as follows:

$$\%R = [(t-x)/a] \times 100\%$$

where:

t = total concentration found in the spiked sample

x = original concentration in sample prior to spiking

a = actual spike concentration added to the sample.

Table 2 summarizes the accuracy goals for this project.

Representativeness is a measure of the degree to which data accurately and precisely represent a characteristic of a population, parameter variation at a sampling point, or an environmental condition. Representativeness is influenced by the number and location of the sampling points, sampling timing and frequency of monitoring efforts, and the field and laboratory procedures.

The use and consistent application of established field and laboratory procedures will maintain the representativeness of data. The representativeness of data is established in the associated Work Plan along with implementation of this QAPP, which is based on proven sampling and analysis techniques.

Completeness is a measure of the amount of valid data obtained from a measurement system compared to the amount expected under normal conditions. Percent completeness is defined as:

$$\text{Percent Complete (\%C)} = (v/t) \times 100\%$$

where:

v = number of valid measurements

t = total number of planned measurements.

The overall completeness goal will be **90 percent** for all project data.

Comparability expresses the confidence in which one data set is similar to another, based on using standardized techniques and procedures (i.e., USEPA-approved procedures and methods), standard reference materials, QC samples, and by reporting each data type in consistent units. Analytical methods employed will be the same or equivalent for each round of sampling. If USEPA procedures are not available, the procedures are defined or referenced in this document.

Sensitivity is the capability of an analytical method or instrument to discriminate between measurement responses representing different concentrations of an analyte of interest. Additionally, sensitivity is evaluated using LCS, method detection limit (MDL) or limit of detection studies, and lowest initial calibration standard at the quantitation limit.

Table 2 provides a summary of the RLs for each analysis to be performed.

A further discussion of QC samples to be analyzed is presented in Section 5 of this QAPP. Procedures for assessing precision, accuracy, and completeness are presented in Section 6.

3.2 FIELD MEASUREMENTS

Field measurements characterize field conditions during sampling events. Measurement types are determined by the circumstances surrounding a specific sampling event, the nature and anticipated concentrations of the contaminants, and the media to be sampled. Field data will be reported in units consistent with those of other agencies and organizations or historical data to allow comparability of databases.

Standardized field measurement protocols will be used to the extent practicable to maintain consistency and to obtain results that can be verified or validated. Calibration and maintenance

of field equipment and instrumentation will be in accordance with manufacturers' specifications or applicable test specifications. Calibration and maintenance activities will be documented on standardized project-specific field forms.

Field instruments may be used to measure the presence of organic vapors in soil, sediment, soil vapor, air, and fixed gases (such as helium) during soil vapor and air sampling. Neither detection limits nor limits for measurement tolerance will be specified for these measurements as part of this QAPP.

3.3 ANALYTICAL METHOD AND REPORTING LIMITS

The analytical method to be performed was selected based on the results of previous investigations as well as vapor intrusion investigation technical guidance produced by the NYSDEC, NYSDOH, and USEPA. To the extent practicable, the analytical method chosen has RL (or at a minimum a MDL) at or below the RL goals. Regardless of the specified MDL, the actual quantitation limit reported may be sample-specific, especially in the case of samples containing analytes at varying concentration ranges. In such cases, the sample may be prepared and analyzed at a dilution that may result in the exceedance of RLs specified in this QAPP.

The laboratory shall report results below the RL and at or above the MDL as estimated ("J" qualified), because, by definition, the associated numerical value is the approximate concentration of the analyte in the sample. A dilution can be performed to bring the reported concentration of a single compound of interest within the linear range of the calibration. If this results in non-detect values for all other analytes with detected concentrations in the initial sample analysis, the results of the original run and the dilution will be reported with appropriate notations in the narrative of the report.

Manual integrations will not be permitted for the intent of calibration criteria or method/QC compliance. A technical justification for the manual integration must be provided on the chromatogram. All manual integrations will be reviewed, approved, and signed by the Laboratory QA Manager or other designated manager.

Matrix effects (i.e., highly contaminated samples requiring dilution for analysis and matrix interference requiring elevation of RL) will be considered in assessing compliance with the requirements for sensitivity. The laboratory RLs for analytes are listed in **Table 2**.

3.3.1 Laboratory Analytical Methods

The analytical data collected will be used to evaluate the SSDS and/ or for site characterization. The data generated under this QAPP can be used for the above assessments by adhering to the USEPA Compendium Method TO-15, 2nd Edition, Final Update V January 1999 (or current version) analytical methods. Should alternate methods be proposed by the laboratory prior to sample submittal, laboratory standard operating procedures (SOPs) will be submitted for approval. The results from laboratory QC samples will be reported with each analytical batch. Minimum QC sample frequencies and acceptance criteria are described in Section 5.0.

3.3.2 Quality Control Analyses

One (1) field duplicate sample will be collected and analyzed from each unique sampling stream per sampling event (i.e. one field duplicate from an indoor air location, one field duplication from a soil vapor sampling location, one field duplicate from an outdoor/ ambient air sampling location, etc). Field duplicate samples with a sub-slab, effluent blower, and/ or SSDS exhaust port parent sample will be collected using a “T” tubing splitter. Field duplicate samples with an indoor air or outdoor air parent sample will be collected concurrently with the parent sample, at the same collection height within the same area. Soil vapor and air samples will not include matrix spike/matrix spike duplicate analysis, as they are not required by the methods. The laboratory will include a LCS. A laboratory control sample duplicate (LCSD) may also be included by the laboratory upon request. For the purpose and activities discussed in this QAPP, a LCSD will not be requested from the laboratory. **Table 3** summarizes the field and laboratory QC samples and the minimum collection frequency for each field and laboratory QC sample that may be collected during field sampling activities.

3.3.3 Quality Control Acceptance Criteria

At a minimum, the laboratory will maintain control charts for LCS analyses. The laboratory will comply with limits for the LCS recoveries, duplicate precision, and/ or RPD in accordance with the QC limits provided in this QAPP. **Table 2** presents the accuracy and precision criteria for the analytical methods to be used for this investigation.

The laboratory will take action to correct or address QC outliers, which may include sample re-extraction and/or re-analysis. Noncompliant QC results attributed to sample matrix effects will be documented and noted in the laboratory reports.

3.4 DOCUMENTATION AND RECORDS

The CHGE Consultant will implement a document control and records management system to regulate and maintain project-related documents. The Project Manager and designated administrative personnel will be responsible for maintaining important project related information in active project files. These project files will be organized so that information is clearly and readily accessible. Specific procedures will be developed for maintaining the filing system. Each person performing a task is responsible for providing required documentation, in the correct format, to the Project Manager.

Field records will be maintained during work activities by the individual performing the work or task. Original documents will be provided to the Project Manager for review and will then be forwarded to the Project Administrator to be filed in the project files. Field records include boring logs, sample logs, and chain of custody (COC) forms. Appropriate and pre-approved forms will be used to document field activities.

3.4.1 Laboratory Data Reduction and Documentation

The laboratory will be responsible for maintaining supporting documentation in the form of sample preparation logs, instrument run logs, maintenance logs, standards receipt and preparation logs, instrument printouts, and chromatograms. Calculations should be clearly identified in the sample analysis records or in laboratory SOPs.

The laboratory will maintain records documenting all phases of sample handling, from receipt to final report of analysis to disposal. Accountable documents used by the laboratory include sample receipt forms, laboratory operation logbooks, COC records, bench work sheets, and other documents relating to sample preparation, analysis, and disposal. The laboratory will utilize a document numbering and identification system for all documents/logs.

All observations and results recorded by the laboratory will be recorded on either pre-printed laboratory forms or permanently bound laboratory logbooks or entered into a secure Laboratory Information Management System (LIMS) that is backed up nightly. Pages, in both the bound and unbound logbooks, will be sequentially numbered. Pre-printed laboratory forms will contain the project laboratory's name, date (month/day/year) and time of activity, and signature of the

person(s) performing associated laboratory activities. Permanently bound laboratory logbooks will include the date (month/day/year) and time of activity and signature of the person(s) performing associated laboratory activities. All logbook entries will be in chronological order and recorded in indelible ink. Corrections will consist of line-out deletions that will be initialed and dated by the person making the correction. All entries will be signed and dated, and the remaining space on each page will be crossed out. Computer forms will contain the project laboratory's name, date, and signature of the person performing the activity when the form is printed.

Computer systems (LIMS) will be configured for restricted access and provide for appropriate backups and audit trails. Instrument run logs will be maintained and stored to allow for a complete reconstruction of the run sequence for each instrument and will include calibration, QC samples, and project sample data. Computer logs can be used if all the preceding information is captured. Computer/instrument printouts or other independent information can be incorporated into logbooks if permanently affixed to the instrument-specific logbook.

All analytical data generated by the laboratory will undergo a multi-phase QC review prior to release of the reported data. Each step of this review process involves evaluation of data quality based on both the results of the QC data and the professional judgment of those performing the review, as well as a verification that the results in the electronic data format matches the results of the hard copy format. This application of technical knowledge and experience to the data evaluation is essential so that data of high quality are generated consistently.

3.4.2 Sample Delivery Groups

All sample delivery groups (SDGs) generated by the project laboratory will consist of a Level II data quality deliverable report, and include the following information, at a minimum:

- Case narrative with detailed findings and applied flags
- Copies of noncompliance and corrective action forms
- COC records
- Sample receipt forms
- Internal tracking documents, if applicable
- Environmental sample results (with laboratory identification), including dilution reanalysis
- LCS/LCSD recoveries and RPDs
- Laboratory duplicate results, if applicable

- Laboratory blank (method, reagent, or preparation) results
- Internal standard areas
- Analytical run log
- Sample result pages for each target analyte.

It should be noted that the laboratory may be asked to provide the raw data, including but not limited to chromatograms and/or manual integration documentations, upon the request of the project team at an additional cost.

4 SAMPLE COLLECTION

One objective of the sampling procedures outlined in this QAPP is to obtain representative samples that yield results of consistent quality as intended for the project. The use of proper sampling techniques, sampling equipment, strict sampling controls in the field, and appropriate COC procedures will reduce the potential for non-representative samples and unreliable analytical data. The QA/QC objectives pertinent to proper sampling procedures are outlined in this section.

4.1 SAMPLING DESIGN

A summary and rationale for the proposed sampling locations, sample types, sample analysis, and sample frequency are discussed in the associated Work Plan. Also included in the associated Work Plan are detailed descriptions of planned activities. Field methods and procedures for sample collection will be performed as described within the associated Work Plan or approved SOPs. The field methods and procedures shall also be consistent with current applicable project-specific SOPs and regulatory requirements as outlined below:

- NYSDEC DER-10, Final Update August 2019 (or current version) will be used for general sampling methodology.
- NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, Final Update 2017 (or current version) will be used for specific sampling methodology, air guideline values, and decision matrices.
- USEPA Office of Solid Waste and Emergency Response (OSWER) Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, Final Version June 2015 (or current version) will be used for technical reference when applicable.

4.2 SAMPLING EQUIPMENT AND DECONTAMINATION

During sampling activities, field personnel will take appropriate measures such that contamination of clean, decontaminated equipment will not occur. Field personnel will wear clean, disposable gloves when handling any laboratory-certified clean sampling equipment and/ or SUMMA canisters.

Sampling equipment used for air sampling will be calibrated by the laboratory prior to use and checked according to the manufacturer's specifications and method requirements. Field

screening equipment will be calibrated by the field personnel, and the calibrations documented in the field log and on appropriate field forms, if applicable.

4.3 SAMPLE CONTAINERS

One (1) 6-liter SUMMA canister will be supplied for each proposed sampling location by the analytical laboratory as required by USEPA Method TO-15 and as specified in the laboratory's SOP provided in **Appendix C**. The SUMMA canisters and laboratory-supplied containers will be cleaned and QC-tested in accordance with the appropriate USEPA, American Society for Testing and Materials (ASTM), or other methods prior to shipping the containers to the field sampling team. The SUMMA canisters (6-liter) and flow controllers used to collect all air samples pertaining to this investigation, defined as indoor air samples, outdoor air samples, effluent air samples, and sub-slab soil vapor samples, will be batch certified for USEPA TO-15. SUMMA canisters will be shipped to the field team in protective cardboard cartons or other wrapping. The SUMMA canisters will be field-checked for vacuum pressure with a laboratory-supplied pressure gauge prior to sample collection. The initial canister pressure will be recorded on the sampling logs and/ or field logbook as well as on the sample label. In the event that the starting pressure of the canister is significantly different than the pressure originally recorded by the analytical laboratory, the canister should not be used for sampling and be marked as such.

4.4 TRACER GAS

During the collection of the sub-slab soil vapor samples, a tracer gas will be applied prior to sample collection in order to verify the integrity of the soil vapor probe seal as discussed in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York. Helium will be selected as a tracer gas for the activities discussed in this QAPP.

A shroud will be applied over the sample port location and the atmosphere within in the shroud will be enriched with the helium tracer gas. Once the shroud atmosphere is enriched, a grab sample will be collected, and field screened for the presence of helium. Tracer gas grab samples can be collected from the sample tubing via a syringe, Tedlar® bag, or other acceptable temporary sample collection method. The tracer gas grab sample will be field screened with a portable monitoring device to analyze for high concentrations (>10%) of helium. Results of the tracer gas test will be recorded in the logbook and/or pre-approved field forms.

In the event that high concentrations of helium are detected during the tracer gas test, the sample port connections will be assessed, and the test will be repeated.

4.5 SAMPLE HANDLING

Air or vapor samples collected in SUMMAs will be placed in laboratory-supplied containers (protective cardboard boxes or other wrapping) as soon as practicable after sampling for transportation to the analytical laboratory for sample analysis.

Prior to submitting SUMMAs for transportation to the analytical laboratory, sample labeling should be reviewed for completeness and accuracy. Information to be included on the sample labels includes:

- Project name and number
- Sampling location identifier/ unique sample number
- Date and time (using 24-hour notation) SUMMA canister was opened/ sample began
- Date and time (using 24-hour notation) SUMMA canister was closed/ sample was collected
- Initial and final canister pressure
- Identification numbers of SUMMA canister and flow controller
- Analysis to be performed
- Field sampler's name or initials

4.6 SAMPLE SHIPMENT AND ANALYSIS

Samples will be transported by field personnel, laboratory courier, or overnight carrier (e.g., Federal Express Next Day) to the analytical laboratory in accordance with USEPA, ASTM, or other method requirements and any applicable requirements of the carrier. The laboratory will be notified of sample shipments in advance, preferably by faxing or electronic mailing of copies of the COC records, or by telephone. Air and vapor samples to be analyzed by TO-15 will be transported to:

Eurofins TestAmerica

30 Community Drive, Suite 11

South Burlington, Vermont 05403

802.923.1029

Point of Contact: Elizabeth 'Betsy' Nye, Project Manager
(Elizabeth.Nye@testamericainc.com)

4.7 SAMPLE CUSTODY AND DOCUMENTATION

The Field Team Leader will be responsible for sample custody and documentation of field activities. Sample custody will require the following:

- Knowledge of the location and condition of all sampling equipment and supplies.
- Sampling media are cared for before, during, and after sampling.
- Field samples are properly documented on COC records, packaged for shipment to the correct analytical laboratory, and delivered to an appropriate carrier for shipment.

The following sections discuss field logbooks, photographs, sample identification, sample labeling, COC, and custody seals.

4.7.1 Field Logbooks and Records

Logbooks and/or pre-approved field forms will be used to record field observations, calibrations, and measurements to provide a permanent record of daily field activities. Logbooks used for this project will be controlled, pre-paginated, and permanently-bound, and will be used to record field observations and measurements (i.e., sample ID numbers, COC record numbers, and significant observations and/or events) to provide a permanent record of daily field activities. The project name, project number, Site location, sampling event, Project Manager, and the telephone number and address of the business office will be listed in each field logbook in permanent, indelible ink. Entries will be legible and written in indelible ink. Corrections will consist of line-out deletions that will be initialed and dated by the person making the correction. All entries will be signed and dated, and the remaining space on each page will be crossed out. Other forms used to record field safety and health-related data will not be bound into field logbooks but will instead be maintained in project files and folders.

4.7.2 Custody Seals

Custody seals will not be required when storage containers are relinquished directly to the laboratory or a designated laboratory courier. When sample containers are shipped by an intermediate carrier, custody seals are used to detect tampering between sample collection and analysis. The seal is

placed so that it must be broken to access the sample container. After samples are placed into containers, or shipping containers, three or more custody seals are placed on the outside of the shipping container or container prior to shipment. Each custody seal affixed to the sample container is signed and dated by a field team member.

4.7.3 Photographs

Digital photographs will be taken of the sample locations to show the condition of the location and surrounding area. The photographs will be used to provide backup documentation for procedures and unusual conditions encountered, as well as general sampling locations. To the extent practicable, photographs should include two or more reference points to allow relocation of the sampling point later. After the photographs are digitally transferred to the project file, they will be labeled for cross-referencing with other field data.

4.7.4 Sample Identification

A unique sample ID number will be assigned to each sample and will be tied to the sample location. This number is typically an alphanumeric sequence (or integer) that serves as an acronym to identify the sample. Sample names will follow the name designation assigned in the associated Work Plan.

If a duplicate sample is collected, a “D” will be affixed to the end of the sample ID number, without a hyphen (e.g., IA-10D).

4.7.5 Sample Labeling

Air and vapor sample labels will be affixed to each individual sample canister. The sample labels will be durable and completed with indelible ink. Any errors made on the sample label will be corrected using a single line through the error (initialed) followed by the entry of the correct information.

Sample tags and labels will clearly indicate the following:

- Project name and number
- Sampling location identifier/ unique sample number
- Date and time (using 24-hour notation) SUMMA canister was opened/ sample began
- Date and time (using 24-hour notation) SUMMA canister was closed/ sample was collected

- Initial and final canister pressure
- Identification numbers of SUMMA canister and flow controller
- Analysis to be performed
- Field sampler's name or initials

4.7.6 Chain of Custody

The COC record documents the transfer of sample custody from the time of sampling to laboratory receipt. Upon the relinquishing of sample custody, the COC record will be signed and dated by both the individual relinquishing the custody of the samples and the individual taking custody of the samples. Everyone that takes custody of the samples, including the laboratory courier, will sign and date the COC record. The COC records will be completed by the sampler and will accompany the samples from the field to the analytical laboratory.

The COC record will be completed using waterproof ink. All corrections will be made by drawing a line through, initialing, and dating the error, and then entering the correct information. Erasures are not permitted. All applicable information on the COC record, including signatures, will be filled out completely and legibly. If samples are to be delivered to the laboratory by a third-party overnight carrier, the carrier will be noted on the COC as taking custody of the samples along with the air bill number. The COC record(s) will be placed in a plastic bag that will be taped to the lid inside the sample container prior to sealing for sample containers being delivered to the laboratory by a third-party overnight carrier.

4.8 LABORATORY SAMPLE CUSTODY AND DOCUMENTATION

The project laboratory will be required to establish custody procedures that conform to those required by the USEPA Contract Laboratory Program (CLP), as outlined in the CLP User's Guide (USEPA, 1991a). These procedures include:

- Designation of a sample custodian
- Completion by the custodian of the COC record, any sample tags, and laboratory request sheets, including documentation of sample condition upon receipt
- Laboratory sample tracking and documentation procedures
- Secure sample storage with the appropriate environment (e.g., refrigerated, dry)
- Proper data logging and documentation procedures, including custody of all original laboratory records

A designated sample custodian will take custody of all samples upon their arrival at the laboratory by signing the COC record. The custodian will inspect all sample labels and/or identification tags and COC records to verify correspondence between information on the sample labels and COC records. The custodian will also inspect all samples and document any signs of damage or tampering, as well as temperature discrepancies. The custodian will then assign a unique laboratory number to each sample and will distribute the samples to the appropriate analysts or to secured storage areas. All sample transfers in the laboratory or to subcontracted laboratories will be recorded on the COC record. Any damaged (e.g., broken) containers or instances where the sample integrity may be compromised will be verbally communicated to the Project Chemist within 24 hours, followed by written correspondence.

These instances will be documented in the laboratory data deliverable case narrative.

4.9 CORRECTIONS TO DOCUMENTATION

All original recorded data shall be written in waterproof ink. No accountable serialized documents will be destroyed or thrown away, even if they are illegible or contain inaccuracies that require a replacement document. If an error is made on an accountable document assigned to an individual, that individual shall make corrections by making a line through the error (initialed) and entering the correct information. The erroneous information shall not be obliterated. Any subsequent error discovered on an accountable document shall be corrected, initialed, and dated by the person who made the entry.

5 ANALYTICAL QUALITY CONTROL PROCEDURES

Analytical QC procedures encompass the requirements established by the method-specific criteria. These procedures will be provided for by the laboratory QA program; be supported by SOPs; and will be addressed with QC samples, instrument calibration, preventive maintenance, internal QC checks and corrective action, and data review and reporting.

QC checks will be employed by both field and laboratory personnel in order to evaluate the performance of analytical procedures. The QC checks will take the form of samples introduced into the sampling, sample transport, and analytical stream to enable evaluation of analytical accuracy and precision, as well as representativeness.

5.1 LABORATORY QUALITY ASSURANCE PROGRAM

The project laboratory will maintain a current, written Quality Assurance Plan that is reviewed and revised annually and will have the appropriate current federal and/or state accreditations, such as the New York State Environmental Laboratory Accreditation Program (ELAP) and/or National Environmental Laboratory Accreditation Program (NELAP) accreditation.

5.2 LABORATORY STANDARD OPERATING PROCEDURES

The project laboratory will maintain a controlled set of SOPs that will serve as the implementing procedures for the laboratory QA program. The SOPs will be clear, comprehensive, up-to-date, and sufficiently detailed to permit duplication of analytical results by qualified analysts. The laboratory will have an SOP for each of the reference methods performed on the project prior to commencement of work with a revision number and date of revision or review on each SOP. The SOPs will be reviewed annually and revised if necessary. Controlled revisions to SOPs must be provided for in the laboratory QA program. The laboratory SOPs will be made available to the Project Chemist upon request, but with consideration and arrangements made for confidential or proprietary information. The analytical method SOP associated with this QAPP is in Attachment C.

5.3 FIELD QUALITY CONTROL SAMPLES

Field QC samples are used to assess data quality in terms of precision and accuracy; and monitor whether sampling procedures, decontamination, packaging, and shipping are introducing variables into the sampling chain that could compromise the sample integrity or validity of sample

data. Such QC samples are regularly prepared in the field so that all phases of the sampling process are monitored. The types of QC samples that may be collected during sampling activities are discussed below and presented in **Table 3**.

5.3.1 Duplicates and Replicates

Field duplicates (air, vapor) are two samples of the same matrix, collected simultaneously at one sampling location. The same sampling techniques and analytical methods are performed on both samples. Identification of these samples will be designated using the sample name “Dup” followed by numerical indicators as specified in the 2019 Work Plan. Analysis of field duplicates provides a quantitative measure of the precision of the overall sampling and analysis process, the precision of the sampling process, and the analytical method(s). Laboratory duplicates are not a substitute for field duplicates. A field duplicate will be collected from each sampling stream at a minimum frequency of one per sampling stream per sampling event.

5.3.2 Ambient Air Samples

Ambient, or outdoor, air samples are collected from preselected upwind locations located outside of the building undergoing an indoor air quality investigation. Collection and analysis of the ambient air samples serves to monitor potential outside contaminants in air upwind from the indoor air assessment in an effort to identify any outside influence effecting indoor air quality. An ambient air sample will be collected at a frequency of three per sampling event.

5.4 LABORATORY QUALITY CONTROL SAMPLES

A variety of QC blank samples will be used to assess the potential for sample contamination during the sampling and analysis process. At a minimum, laboratory QC samples used for assessing the impact of contamination on sample results will include method blanks, preparation blanks, calibration blanks, and instrument blanks. The laboratory will utilize these QC sample types in accordance with method-specific requirements.

The types of QC spike samples to be employed by the analytical laboratory include LCS and internal standards.

5.4.1 Blanks

A method or preparation blank consists of analyte-free air and will be carried through the entire preparation and analysis procedure. Method blanks will be prepared at the frequency prescribed in Table 3 of the laboratory's SOP provided in **Appendix C**.

5.4.2 Spikes

An LCS and LCSD are a pair of clean matrix samples (i.e., same used for a method blank) spiked with known concentration(s) of target analyte(s). The LCS/LCSD pair is carried through the entire analytical procedure to assess the overall accuracy and precision of the method. An LCSD will not be requested from the lab for sampling activities conducted under this QAPP. LCS samples will be prepared at the frequency prescribed in Table 3 of the laboratory's SOP provided in **Appendix C**.

5.4.3 Laboratory Duplicates

Laboratory duplicates are two aliquots of the same project sample that are prepared in the sample preparation batch. The same preparation techniques and analytical methods are performed on both samples, and the duplicate samples are used to evaluate precision. Laboratory duplicates will be prepared at the frequency prescribed in Table 3 of the laboratory's SOP provided in **Appendix C**.

5.4.4 Internal Standards

Internal standards consist of known amounts of non-target compounds that are added to each sample prior to the analytical test. Internal standards are generally used for mass spectroscopy (e.g., gas chromatography/mass spectroscopy) procedures to correct sample results that have been affected by changes in instrument conditions or changes caused by certain matrix effects. The retention time and area of the internal standard are known and predictable, which is then used to quantify the concentration of an analyte. The integrated area of the internal standard compared to the continuing calibration check standard should vary by no more than the limits specified in each method. Internal standards will be prepared at the frequency prescribed in Table 3 of the laboratory's SOP provided in **Appendix C**.

5.5 LABORATORY QUALITY CONTROL CHECKS

Laboratory checks will include the procedures detailed below:

- The reagents, gases, and standards required by a method will use the highest quality standards available. Materials and procedures will be recorded in a logbook to document complete traceability of a certified reference standard and source, such as the National Institute of Standards and Technology.
- Instruments will be calibrated according to the manufacturer's instructions and as required by the USEPA or other USEPA-approved analytical method. Where there are no specifications for each parameter, a five-point calibration curve will be implemented.
- Calibration of instruments will be documented in an instrument-dedicated, bound logbook, and records will be maintained.
- Continuing calibration standards will be analyzed and documented in a logbook for each analytical method during sample analysis as required by the method.
- The %R and percent difference criteria for inorganics and organics continuing calibration shall be within the QC criteria of the requested method.
- Laboratory method blanks will be included in every preparation batch or analytical batch at a frequency of at least one per 20 samples.
- An analysis of one LCS will be made for every 20 samples and will be fortified with representative compounds for each analytical method performed.

5.5.1 Control Charts

Control charts are used by the project laboratory to assess variability in QC parameters over time. At a minimum, the project laboratory shall control chart LCS results for each method of analysis. All surrogate spike recoveries (from LCS results) shall be monitored by use of control charts. The project laboratory will include in their QA plan a description of the methodology used in control charting. Control Chart review is discussed in Section 7.2 of the laboratory's SOP provided in **Appendix C**.

5.6 LABORATORY INSTRUMENT CALIBRATION

All instruments and equipment used during sample analysis will be operated, calibrated, and maintained consistent with the manufacturer's guidelines and recommendations, as well as requirements in the laboratory's analytical SOPs and USEPA-approved methodology. Operation, calibration, and maintenance will be performed by personnel that have demonstrated competence

in performing these procedures successfully. Laboratory capabilities will be demonstrated initially for instrument and reagent/standards performance, as well as accuracy and precision of analytical methodology.

Calibration of instruments is required to ascertain if instruments are operating at their optimum (i.e., with proper sensitivity to meet established RLS). Each instrument will be calibrated with standard solutions appropriate to the type of instrument and the linear calibration range established for the analytical methods presented in Section 3.3, and consistent with the methods referenced for these analyses. All samples must be bracketed by a continuing calibration verification (CCV) standard with recoveries that meet the method acceptance limits. Failure to bracket all samples with acceptable CCVs will require the reanalysis of the affected samples. Manual integration will not be permitted for the intent of calibration criteria or method/QC compliance. All manual integrations will be reviewed and approved by the Laboratory QA Manager or designated manager with technical justification documented on the chromatogram.

5.7 LABORATORY PREVENTIVE MAINTENANCE

The project laboratory will perform and maintain records of preventive maintenance on each instrument used for analysis of project samples. Preventive maintenance documentation is incorporated into New York State and federal laboratory accreditation requirements and is an element of the laboratory QA plan. The frequency of routine maintenance will vary depending on the production workload and the types of samples analyzed. The project laboratory should operate backup instrumentation and critical replacement parts, if possible, in the event of instrument failure.

5.8 INTERNAL QUALITY CONTROL AND CORRECTIVE ACTION

Assessment findings are classified as either noncompliance issues or observations. Noncompliance issues are findings that may significantly affect data quality and will require corrective action. Observations are findings that do not directly affect data quality but are suggestions for consideration and review in order to improve the quality processes.

The project chemist will be responsible for documenting and reporting suspected noncompliance issues in data quality based on the laboratory report. These noncompliance issues will be documented on a Level II Data Review Checklist and reported to the Project Manager. Corrective

actions will be proposed, accountable individuals will be identified, and the completion dates for each corrective action will be established by the project team. The Project Chemist and Project Manager are responsible for reviewing proposed corrective actions and verifying that they have been effectively implemented.

Laboratory procedures for corrective action and descriptions of out-of-control or noncompliance issues that require corrective action are contained in laboratory QA plans. At a minimum, corrective action will be implemented if one of the following occurs: control limits are exceeded, method QC requirements are not met, or holding times are exceeded. The laboratory will report out-of-control or noncompliance issue to the CHGE Consultant Project Manager within 24 hours after identified, submit a corrective action report containing a description of the out-of-control situation along with the steps that the laboratory implemented to rectify it.

A method blank will be analyzed with every batch of 20 or fewer samples to monitor potential laboratory contamination. Acceptance criteria for method blanks must conform to reference method requirements when specified. Generally, corrective action is required if target compound concentrations in the method blank are greater than the MDL. Corrective action, including data flagging, is required when method blank concentrations are greater than the reporting detection limit, and the samples must be reprocessed if sample target compound/analyte concentrations are not greater than 10 times the method blank concentrations.

A LCS will be analyzed with every batch containing 20 samples or less to measure precision. The LCSD, or blank spike duplicate, will not be requested from the laboratory and will not be analyzed under this QAPP.

5.9 LABORATORY DATA CALCULATION AND REPORTING UNITS

The procedures to perform calculations of results will be documented in the laboratory SOPs and must be consistent with the reference method. Reporting units will be consistent with applicable regulatory and decision thresholds.

5.10 LABORATORY DOCUMENTATION AND DELIVERABLES

Requirements for hard copy and electronic data deliverables will be submitted as discussed in this QAPP. The project laboratory is responsible for maintaining supporting documentation in the

form of sample preparation logs, instrument run logs, maintenance logs, standards receipt and preparation logs, instrument printouts, and chromatograms. Calculations and manual integrations should be clearly identified in the sample analysis records or discussed in laboratory SOPs. The raw data (e.g., chromatograms, logs, etc.) will be made available to the project team upon request.

6 QUALITY ASSURANCE MEASURES

Data quality management includes data management, data quality assessment (i.e., data review, verification, validation, and usability assessment), preventive maintenance, and corrective actions as described below.

6.1 DATA MANAGEMENT

Data collected under the project investigations will consist of various types of information, ranging from field measurements to laboratory analyses. As such, data requirements will be governed by the specific type of data and the project-specific goals. Unique data type combinations will be available to accommodate specific data collection and reporting needs.

Primary data management activities include the establishment of sampling design; collecting, encoding, and assessing the quality of the data; the performance of QA/QC evaluation of data; data storage and maintenance; and the generation of output. The data management staff shares responsibility for high-quality products with project staff.

The data cycle will flow throughout the project with quality checks performed so that the data are complete, correct, and compliant with project requirements and quality objectives.

6.2 DATA QUALITY ASSESSMENT

Data quality assessment is the process in which data is examined and evaluated throughout the project and includes four steps: data review, verification, validation, and usability assessment and is based on the PARCCS criteria defined in this QAPP. However, all project personnel, including field personnel and the project chemist, will be responsible for performing some level of data review and verification, and should have a clear understanding of field documentation protocols and procedures, as well as the types of data being generated under these procedures. Data verification and validation will be performed under the guidance of the following:

- USEPA, 2002. Guidance on Environmental Data Verification and Data Validation EPA QA/G-8. November.
- USEPA, 2002. EPA Guidance for Quality Assurance Project Plans EPA QA/G-5. December.

- USEPA Region 2 Hazardous Waste Support Section, 2014. Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15, SOP NO. HW-31 Revision 6. June.

If noncompliance issues are identified, personnel involved in the review and verification process are responsible for documenting deficiencies and deciding whether corrective action should be taken, if any. Field and laboratory documentation will be evaluated to verify that the data are complete, correct, and conform to the criteria that the data are to be compared to. Data quality assessment will include an assessment of the results from field QC samples, such as field duplicates, to laboratory QC samples.

6.2.1 Data Verification

The objective of data verification is to assess whether the data required for the project are correct, complete, and compliant with contractual, method, or procedural requirements. Verification is a completeness check that is performed before the data quality assessment process continues to evaluate whether the required information (the complete data package) is available for further review. It is an evaluation of performance compared to the specified or pre-established parameters presented in work plans, field and laboratory SOPs, and this QAPP.

Field and laboratory data will be managed using manual and electronic systems. Data stored, evaluated, and reported electronically will be subject to 100 percent manual verification against hard copy data reports. Deviations will be corrected and documented. Although verification is not designed for use in a qualitative review, it is essential for assessing the availability of information or appropriate outputs for subsequent steps of the data quality assessment process.

The requirements for performance of analytical laboratory analysis are specified in this QAPP and associated Work Plan. Each SDG may be reviewed against the submitted laboratory deliverable. Outstanding items will be resolved before the project is closed.

6.2.2 Data Validation

Laboratory data may be validated by a Project Chemist or qualified data validation personnel, independent of the laboratory and field activities. The data validation process, when performed, may consist of a systematic assessment and verification of data quality through independent

review. Validation must be performed by individuals who are not associated with the collection and analysis of samples, interpretation of sample data, or with any decision-making process within the scope of the investigation. Data validation procedures will be consistent with laboratory analytical SOPs and the NYSDEC DER-10 guidance, as necessary. Some degree of data validation may be performed on the Level II analytical data reports provided by the project laboratory.

Level II data validation follows the laboratory analytical and data validation SOPs, as well as USEPA protocols set forth in the documents referenced in Section 6.2. The data values for routine and QC samples are generally assumed to be correctly reported by the laboratory. Data quality is assessed by comparing the QC parameters to the appropriate criteria (or limits) as specified in this QAPP or by laboratory's method-specific SOP requirements.

Data validation will be performed if required to meet the data quality objectives for the use of the data. The data validation, when performed, will be split by complete SDGs, not by individual sample counts.

When internal Level II data validation is performed, it is performed under the guidance of this QAPP. When required, a Level II data validation will be completed for each SDG that is reviewed. The data validation will be saved to the project file. Laboratory reports associated with this project will be saved to the project file.

The data validation process consists of a technical review of the field sampling documentation (e.g., COCs) and the analytical data generated by the laboratory. This process provides information on the measurement and analytical limitations of data based on specific QC criteria (i.e., PARCCS). Data review will include the following:

- Chain(s) of Custody
- Technical holding times
- Laboratory blanks
- Laboratory duplicate or field duplicate samples
- LCS recoveries and RPDs
- Sample RLs

Analytical data that will be collected for the project will be scientifically sound data. Scientifically sound data are of known and documented quality and meet the quality objectives of the investigation in making environmental decisions. The verified or validated data, if they meet the QA criteria, may be used in risk assessment, site characterization, alternative evaluation, engineering design, and monitoring during implementation.

Laboratory blanks will be evaluated following Table 7 from USEPA Region 2 SOP HW-31 Revision 6 (USEPA, 2014). For sample results qualified due to potential laboratory contamination, the results reported below the RL are raised to the RL and results reported above the RL are qualified at the reported concentration.

6.2.3 Data Usability Summary Reports

If required by project data quality objectives, a Data Usability Summary Report (DUSR) will be completed by the project chemist. The DUSR considers quality objectives (e.g., PARCCS) and determines whether the data are suitable as a basis for project reporting, conclusions, and decision(s). All data types are relevant to the usability assessment. The DUSR will be performed in accordance with NYSDEC DER-10 (NYSDEC, 2010).

The assessment should consider each type of data, the relationship to the entire data set, and the adequacy of the data to fulfill the data quality goals of the project. Data sets will be assessed for completeness and compliance to method-specific and/or project-specific QA/QC requirements, including the results of the independent data validation process. The assessment process also evaluates data quality in terms of the PARCCS criteria and establishes data usability for the intended purpose(s). PARCCS criteria is summarized in Section 3.1.1 of this QAPP.

6.2.3.1 Precision

Precision measures the agreement among a set of replicate measurements. Field precision is assessed through the collection and analysis of field duplicates. Analytical precision is estimated by duplicate/replicate analysis on field duplicate, lab replicates, and LCS/LCDS pairs. For sample pairs, precision is estimated using the RPD.

6.2.3.2 Accuracy

Accuracy is the degree of agreement between an observed measurement (or an average of the same measurement type) and an accepted reference or true value. Accuracy of analytical determinations will be measured using laboratory QA/QC analysis such as LCS and internal standards. Accuracy will be measured by evaluating the actual result against the known concentration added to a spiked sample or concentration of an internal standard. Accuracy is expressed as %R.

6.2.3.3 Representativeness

Representativeness is the reliability with which a measurement or measurement system reflects the true conditions under investigation. Representativeness is influenced by the number and location of the sampling points, sampling timing and frequency of monitoring efforts, and the field and laboratory procedures. The representativeness of data will be maintained by the use of established field and laboratory procedures and their consistent application.

6.2.3.4 Comparability

Comparability expresses the confidence with which one dataset can be compared to another based on using USEPA-defined procedures, where available. If USEPA procedures are not available, the procedures have been defined or referenced in this QAPP. Well-documented methods and procedures will establish the comparability of data, standard reference materials, QC samples, performance-evaluation study results, and data types reported in consistent units.

6.2.3.5 Completeness

The completeness of the data consists of an estimate of the amount of data expected from the field program versus the amount of valid data available for interpretation. The data validation process and data quality assessment will evaluate which data will not be usable as a result of being rejected. Rejected data will not be eliminated from the database; however, valid data must constitute 90 percent of the total data collected.

6.2.3.6 Sensitivity

Sensitivity is an instrument's or methods minimum concentration that can be reliably measured or reported. The reporting limits shown in **Table 2** indicate the target sensitivity of an analytic method. However, the sample matrix may require dilution to meet instrument and/or calibration requirements, in this case the reporting limits will increase.

6.3 CORRECTIVE ACTIONS

If laboratory audits or quality/ peer reviews of data indicate unacceptable data, samples should be re-analyzed if holding-time criteria permit. Should the requirements not be met following re-analysis, the Laboratory QA Manager will be responsible for developing and initiating corrective action and assessing whether the selected corrective action is adequate. Corrective action may include re-analyzing samples (if holding-time criteria permit); re-sampling and analyzing; evaluating and amending established sampling and analytical procedures; or re-evaluating data quality measurements and data validation requirements.

7 QUALITY ASSURANCE OVERSIGHT

QA oversight, management for performance and system audits, and corrective action performance will be carried out by all project personnel and subcontractors to attain the designed level of quality. Personnel are to be qualified and trained in the work that they are assigned.

Oversight may include internal and external audits, documentation of findings, and reports of corrective action.

7.1 PERFORMANCE AND SYSTEM AUDITS

Audits and surveillance of activities may be performed so that that work is accomplished by trained personnel using approved procedures. These verification activities will be performed by the Project Manager, Field Team Leader, and the Laboratory Project Manager, assisted by various technical experts who are not directly responsible for accomplishing the work being reviewed. Audits of field sampling activities, laboratories, and administrative activities will be performed as necessary. Verification activities will be accomplished to evaluate the conduct of such activities as sample location, identification and control, COC protocol, field documentation, and calibration of instruments. Verification activities may be scheduled or unscheduled and will be performed commensurate and in coordination with work activities.

7.2 CORRECTIVE ACTIONS

Corrective actions will be identified, tracked, and closed out in a timely manner. Project activities that are found to be in noncompliance with quality requirements and cannot be resolved in the normal course of verification activities will be appropriately documented in accordance with approved procedures. Additionally, the Project Manager or Project Chemist will be notified of unresolved noncompliance issues within 24 hours of its discovery. Corrective Action Requests will be used to document noncompliance, corrective action commitments, and resolutions.

Corrective action will not be complete until the problem has been solved effectively and permanently. Follow-up action to assure that the problem remains corrected will be an important step in the corrective action process.

8 REFERENCES

- Kleinfelder, 2019. Sub-Slab Depressurization System Evaluation Work Plan, Central Hudson Gas and Electric Customer Service Center. May.
- NYSDEC, 2010. DER-10 Technical Guidance for Site Investigation and Remediation. May.
- NYSDOH, 2006. Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October.
- USEPA, 1999. Compendium Method TO-15, 2nd Edition, Final Update V. January.
- USEPA, 2001. Requirements for Quality Assurance Project Plans, EPA QA/R-5/EPA/240/B-01/003. March.
- USEPA, 2002. Guidance for Quality Assurance Project Plans, EPA QA/G-5/EPA/240/R-02/--9. December.
- USEPA, 2002. Guidance on Environmental Data Verification and Data Validation. EPA QA/G-8/EPA-240-R-02-004. November.
- USEPA Region 2, 2014. Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15, SOP NO. HW-31 Revision 6. June
- USEPA. 2015. Office of Solid Waste and Emergency Response (OSWER) Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, Final Version. June.

TABLES

APPENDIX A
PROJECT PERSONNEL SIGN-OFF SHEET

**Project Personnel Sign-off Sheet
Quality Assurance Project Plan
CHGE Little Britain Road Facility**

Name	Organization/Title/Role	Telephone Number (optional)	Signature/email receipt	QAPP Section(s) Reviewed	Date QAPP Read

Note: Project personnel will read the appropriate sections of this document before performing activities related to this QAPP. The completed sign-off worksheet will be maintained in the CHGE Little Britain Road Facility project files.

APPENDIX B
LABORATORY AIHA, ELAP, OR NELAP CERTIFICATES

APPENDIX C
LABORATORY STANDARD OPERATING PROCEDURE (SOP)

Appendix E
Principal Personnel

Appendix E - Principal Personnel

Project Organization

- **Mr. Mark McLean**
 - CHGE Project Manager, will be responsible for each aspect of the project from the CHGE perspective. Communications and direction regarding the implementation of the assessments will be overseen by the CHGE Project Manager.
- **Mrs. Elizabeth Baird**
 - CHGE Consultant (Kleinfelder), Project Manager, will supervise the assessment work performed at the Site. Responsibilities include project planning, scheduling, staffing, execution of tasks and subcontracts, and managing deliverables.
- **Mr. Nathan Stevens**
 - CHGE Consultant (Kleinfelder), Field Team Leader, will be responsible for each aspect of the field program including the oversight of field staff, scheduling subcontractors for field work if applicable, and the performance of the field tasks presented in work plans.
- **Ms. Amber Caputo**
 - CHGE Consultant (Kleinfelder), Alternate Team Leader, will be responsible for each aspect of the field program including the oversight of field staff, scheduling subcontractors for field work if applicable, and the performance of the field tasks presented in work plans.
- **Ms. Lauren McHugh**
 - CHGE Consultant (Kleinfelder), Project Chemist/Data Quality Reviewer, will be responsible for the development of the quality assurance (QA) process for compliance, coordination, technical oversight, and management of the analytical laboratory subcontractors, as well as oversight and technical lead for the data quality assessment process.
- **Ms. Marcella Harwell**
 - CHGE Consultant (Kleinfelder), Data Manager, will be responsible for the storage, maintenance, and reporting of data upon completion of the data quality assessment process. The Data Manager will also be involved with the

coordination of data deliverables by the project laboratory so that the data are provided in the proper format. The Data Manager will work closely with the Project Chemist and the laboratory's project managers.

- **Mr. Brandon Connelly**

- CHGE Consultant (Kleinfelder), Alternative Data Manager, will be responsible for the storage, maintenance, and reporting of data upon completion of the data quality assessment process. The Data Manager will also be involved with the coordination of data deliverables by the project laboratory so that the data are provided in the proper format. The Data Manager will work closely with the Project Chemist and the laboratory project managers.

Appendix F
Glossary of QA/QC Terminology

Quality Assurance Glossary

1. "Alteration" means altering a sample collected for analysis in any way other than by adding a preservative, such as nitric acid to lower pH. Examples of alteration include, but are not limited to: filtering, settling and decanting, centrifuging and decanting and acid extracting.
2. "Analytical Services Protocol" or "ASP" means DEC's compilation of approved EPA laboratory methods for sample preparation, analysis and data handling procedures.
3. "Correlation sample" means a sample taken, when using a field-testing technology, to be analyzed by an ELAP-certified laboratory to determine the correlation between the laboratory and field analytical results.
4. "Effective solubility" means the theoretical aqueous solubility of an organic constituent in groundwater that is in chemical equilibrium with a separate-phase (NAPL) mixed product (product containing several organic chemicals). The effective solubility of a particular organic chemical can be estimated by multiplying its mole fraction in the product mixture by its pure-phase solubility.
5. "Environmental Laboratory Accreditation Program" or "ELAP" means a program conducted by the NYSDOH which certifies environmental laboratories through on-site inspections and evaluation of principles of credentials and proficiency testing. Information regarding ELAP is available at the NYSDOH Wadsworth Laboratory website.
6. "Filtration" means the filtering of a groundwater or surface water sample, collected for metals analysis, at the time of collection and prior to preservation. Filtering includes but is not limited to the use of any membrane, fabric, paper or other filter medium, irrespective of pore size, to remove particulates from suspension.
7. "Final delineation sample" means a sample taken to make a decision regarding the extent of contamination at a site during the investigation and the design of the remedy or confirmation/documentation sampling during remedial construction, which is to be analyzed by an ELAP-certified laboratory.
8. "Intermediate sample" means a sample taken during the investigation or remediation process that will be followed by another sampling event to confirm that remediation was successful or to confirm that the extent of contamination has been defined to below a level of concern.
9. "Method detection limit" or "MDL" means the minimum concentration of a substance that can be measured and reported with a 99 percent confidence that the analyte concentration is greater than zero and is determined from the analysis of a sample in a given matrix containing the analyte.
10. "Minimum reporting limit" means the lowest concentration at which an analyte can be detected, and which can be reported with a reasonable degree of accuracy. It is the lowest concentration that can be measured, a lab-specific number, developed from minimum detection limits, and is also referred to as the practical quantitation limit (PQL).
11. "Nephelometric Turbidity Unit" or "NTU" is the unit by which turbidity in a sample is measured.
12. "Preservation" means preventing the degradation of a sample due to precipitation, biological action, or other physical/chemical processes between the time of sample collection and analysis. The most

common examples involve refrigeration at 4 degrees Celsius and lowering sample pH by the addition of acid to keep dissolved metals in solution or to reduce the biodegradation of dissolved organic analytes. Final DER-10 Page 53 of 226 Technical Guidance for Site Investigation and Remediation May 2010

13. "Target analyte list" or "TAL" means the list of inorganic compounds/elements designated for analysis as contained in the version of the EPA Contract Laboratory Program Statement of Work for Inorganics Analysis, Multi-Media, Multi-Concentration in effect as of the date on which the laboratory is performing the analysis. For the purpose of this chapter, a Target Analyte List scan means the analysis of a sample for Target Analyte List compounds/elements.

14. "Targeted compound" means a contaminant for which a specific analytical method is designed to detect that potential contaminant both qualitatively and quantitatively.

15. "Target compound list plus 30" or "TCL+30" means the list of organic compounds designated for analysis (TCL) as contained in the version of the EPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration in effect as of the date on which the laboratory is performing the analysis, and up to 30 non-targeted organic compounds (plus 30) as detected by gas chromatography/mass spectroscopy (GC/MS) analysis.

16. "Tentatively identified compound or TIC" means a chemical compound that is not on the target compound list but is detected in a sample analyzed by a GC/MS analytical method. TICs are only possible with methods using mass spectrometry as the detection technique. The compound is tentatively identified using a mass spectral instrumental electronic library search and the concentration of the compound estimated.

17. "Well development" means the application of energy to a newly installed well to establish a good hydraulic connection between the well and the surrounding formation. During development, fine-grained formation material that may have infiltrated the sand pack and/or well during installation is removed, allowing water from the formation to enter the well without becoming turbid and unrepresentative of groundwater in the formation.