DOCUMENTATION OF ENVIRONMENTAL INDICATOR DETERMINATION

RCRA Corrective Action
Environmental Indicator (EI) RCRAInfo code (CA750)
Migration of Contaminated Groundwater Under Control

Facility Name: **Central Hudson Gas & Electric – Eltings Corners Facility**
Facility Address: **24 South Street, Town of Lloyd, Ulster County, New York**
Facility EPA ID #: **NYD000705905**

Definition of Environmental Indicators (for the RCRA Corrective Action)

Environmental Indicators (EI) are measures being used by the Resource Conservation and Recovery Act (RCRA) Corrective Action program to go beyond programmatic activity measures (e.g., reports received and approved, etc.) to track changes in the quality of the environment. A EI was previously developed to indicate the quality of the environment in relation to current human exposures to contamination. An EI for non-human (ecological) receptors is intended to be developed in the future.

Definition of "Migration of Contaminated Groundwater Under Control" EI

A positive "Migration of Contaminated Groundwater Under Control" EI determination ("YE" status code) indicates that the migration of groundwater has stabilized, and that monitoring will be conducted to confirm that contaminated groundwater remains within the original "area of contaminated groundwater" (for all groundwater "contaminated" subject to RCRA corrective action at or from the identified facility (i.e., site-wide)).

Relationship of EI to Final Remedies

While final remedies remain the long-term objective of the RCRA Corrective Action program, the EIs are near-term objectives which are currently being used as Program measures for the Government Performance and Results Act of 1993, (GPRA). The "Migration of Contaminated Groundwater Under Control" EI pertains ONLY to the physical migration (i.e., further spread) of contaminated groundwater and contaminants within groundwater (e.g., non-aqueous phase liquids or NAPLs). Achieving this EI does not substitute for achieving other stabilization or final remedy requirements and expectations associated with sources of contamination and the need to restore, wherever practicable, contaminated groundwater to be suitable for its designated current and future uses.

Duration / Applicability of EI Determinations

EI Determinations status codes should remain in RCRAInfo national database ONLY as long as they remain true (i.e., RCRAInfo status codes must be changed when the regulatory authorities become aware of contrary information).

1. Has **all** available relevant/significant information on known and reasonably suspected releases to the groundwater media, subject to RCRA Corrective Action (e.g., from Solid Waste Management Units (SWMU), Regulated Units (RU), and Areas of Concern (AOC)), been **considered** in this EI determination?

   _X_ If yes - check here and continue with #2 below.

   _____ If no - re-evaluate existing data, or

   _____ If data is not available, skip to #8 and enter "IN" (more information needed) status code.

BACKGROUND

The Site operated as a vehicle and equipment storage and repair facility for an electric power transmission company since the 1950s. Both current and historic site activities included storage of electrical equipment, transformer storage and repair, vehicle maintenance and storage, and administrative offices. These activities occur on the eastern portion (east side of South Street) of the facility (see Figure 1). Black Creek is located immediately to the eastern property boundary. The western portion of the facility on the west side of South Street is undeveloped and includes wetlands and a dirt parking area for Central Hudson Gas & Electric (CHG&E). The facility has operated a permitted hazardous waste storage area used primarily for PCB-containing waste from electrical equipment.

A RCRA facility assessment (RFA) and Visual Site Inspection (VSI) were performed as part of the corrective action requirements of the hazardous waste management permit. Subsequently, an environmental site assessment (Phase 1 and Phase 2) was conducted in 2007 to support a real estate transaction. Based on sampling results from the Phase 2 assessment, the New York State Department of Environmental Conservation (NYSDEC) requested a RCRA Facility Investigation (RFI) work plan.

The Phase 2 assessment also identified a historic release in the vicinity of the vehicle fueling station located near the "Gas Pumps" shown on southwest corner of Figure 3. Investigation, remediation, and monitoring of this release were overseen by the NYSDEC spills program (Spill #0707602) under a stipulation agreement with CHG&E, and were conducted independently from the RFI. Response actions for this spill included excavation and removal of contaminated soils (1250 tons), collection and treatment of groundwater (70,000 gallons), and follow-up monitoring. The NYSDEC closed the spill in May 2010 after four rounds of acceptable groundwater monitoring results.

RFI activities were completed in accordance with the NYSDEC approved RFI Work Plan prepared by The Chazen Companies (TCC), dated November 2008. The NYSDEC approved the work plan with minor modifications in a letter dated November 18, 2008. The investigation report was submitted to the NYSDEC on April 15, 2009. The RFI investigated Area of Concerns (AOC-1, AOC-2, and the storm sewer system (see Figures 3 and 5). The AOCs are described below:

- AOC 1 – Steel Garage Floor Drain Area;
- AOC 2 – Maintenance Garage Hydraulic Spill Area;
- Storm water system.

The storm water system consists of a number of storm water catch basins distributed throughout the site

on the east side of South Street, which discharge to a wetland via an outfall on the west side of South Street. Sediments were collected from catch basins for analysis and no PCBs were detected. In response to the RFI report, the NYSDEC requested supplemental investigation of the wetland to further delineate the extent of sediment contamination. Sampling occurred in three phases to delineate the distribution of PCBs in the wetland. PCBs have been detected in the wetland and a comprehensive wetland sediment sampling report is expected to be submitted in Summer of 2013.

2. Is **groundwater** known or reasonably suspected to be **"contaminated"**[1] above appropriately protective "levels" (i.e., applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from releases subject to RCRA Corrective Action, anywhere at, or from, the facility?

_____ If yes - continue after identifying key contaminants, citing appropriate "levels," and referencing supporting documentation.

__**X**__ If no - skip to #8 and enter "YE" status code, after citing appropriate "levels," and referencing supporting documentation to demonstrate that groundwater is not known or reasonably suspected to be "contaminated."

_____ If unknown - skip to #8 and enter "IN" status code.

Rationale:

AOC1

In December 2008, four monitoring wells were installed in AOC1 in order to evaluate suspected VOC, SVOC, and PCB contamination. All samples were analyzed for VOCs, SVOCs, PCBs, TPH-DRO, RCRA metals and cyanide and compared to NYSDEC Class GA Ambient Water Quality Guidance and Standards (TOGS 1.1.1). These wells were sampled in December 2008 and again in July 2012 and November 2012. See Figure 3 for well locations.

The December 2008 sampling results are given on Table 2 and are summarized below. Note that the groundwater samples were not filtered because water was not turbid.

- **CH-MW-6**: Analysis indicated no presence of VOCs, SVOCs, TPH-DRO, PCBs, or cyanide. Iron and manganese exceeded the groundwater quality standard, which are attributed to naturally occurring background levels.
- **CH-MW-7**: Analysis indicated no presence of VOCs, SVOCs, TPH-DRO. PCB-1248 was detected at an estimated concentration of 0.11 ug/L. The minimum detection limit for PCBs using EPA method 8082 is 0.5 ug/L, and the NYS groundwater quality standard is 0.09 ug/L. The duplicate sample from CH-MW-7 indicated no detections of PCBs or other analytes. Iron and

[1] "Contamination" and "contaminated" describes media containing contaminants (in any form, NAPL and/or dissolved, vapors, or solids, that are subject to RCRA) in concentrations in excess of appropriate "levels" (appropriate for the protection of the groundwater resource and its beneficial uses).

manganese exceeded the groundwater quality standard, which are attributed to naturally occurring background levels.

- **CH-MW-8**: Analysis indicated no presence of VOCs, SVOCs, TPH-DRO, PCBs, or cyanide. Iron and manganese exceeded the groundwater quality standard, which are attributed to naturally occurring background levels.
- **CH-MW-9**: Analysis indicated no presence of VOCs, SVOCs, TPH-DRO, PCBs, or cyanide. Iron and manganese exceeded the groundwater quality standard, which are attributed to naturally occurring background levels.

July 2012 sampling results are given on Table 1. Please note samples were analyzed only for SVOCs and PCBs for both filtered and unfiltered samples.

- **CH-MW-6**: Analysis indicated no exceedences of the groundwater quality standards for SVOCs or PCBs. Two SVOCs were detected which have no established groundwater quality standards: acenaphthylene was detected at a concentration of 6.9 ug/L (ND in duplicate sample) and caprolactam was detected at an estimated concentration of 29 ug/L (25 ug/L in duplicate sample).
- **CH-MW-7**: Analysis indicated no presence of SVOCs or PCBs.
- **CH-MW-8**: Analysis indicated no presence of SVOCs or PCBs.
- **CH-MW-9**: Analysis indicated no presence of SVOCs or PCBs.

November 2012 sampling results are also given on Table 1. Please note samples were analyzed for SVOCs and PCBs for both filtered and unfiltered samples.

- **CH-MW-6**: Analysis indicated no exceedences of the groundwater quality standards for SVOCs or PCBs. Caprolactam was detected at an estimated concentration of 29 ug/L (29 ug/L in duplicate sample). Diethyl phthalate was detected at an estimated concentration of 2.2 ug/L (ND in duplicate sample).
- **CH-MW-7**: Analysis indicated no exceedences of the groundwater quality standards for SVOCs or PCBs. Caprolactam was detected at an estimated concentration of 22 ug/L. Diethyl phthalate was detected at an estimated concentration of 2.3 ug/L.
- **CH-MW-8**: Analysis indicated no exceedences of the groundwater quality standards for SVOCs or PCBs. Caprolactam was detected at an estimated concentration of 19 ug/L. Diethyl phthalate was detected at an estimated concentration of 2.6 ug/L.
- **CH-MW-9**: Analysis indicated no exceedences of the groundwater quality standards for SVOCs or PCBs. Caprolactam was detected at an estimated concentration of 47 ug/L.

Gas Pump Area

Three previously installed monitoring wells in the Gas Pump Area were kept for monitoring purposes after soil excavation and water removal from the spill area. Figure 4 depicts these well locations. Sampling for SVOCs and VOCs occurred in May 2009, September 2009, December 2009, and March 2010. The results are listed in Table 3. No SVOCs or VOCs were detected in any sampling round, except for a detection of 2.6 ug/L of n-Butylbenzene in MW-2 in May 2009, which is below the groundwater quality standard of 5 ug/L.

References:

- RCRA Facility Investigation, April 2009, Kleinfelder
- Fourth Quarterly Groundwater Sampling Event, NYSDEC Spill No. 0707602, March 2010,

LAND Remediation, Inc.

- 2012 Groundwater Investigation Summary Report, March 2013, Kleinfelder

3. Has the **migration** of contaminated groundwater **stabilized** (such that contaminated groundwater is expected to remain within "existing area of contaminated groundwater[2] as defined by the monitoring locations designated at the time of this determination)?

    _____ If yes - continue, after presenting or referencing the physical evidence (e.g., groundwater sampling/measurement/migration barrier data) and rationale why contaminated groundwater is expected to remain within the (horizontal or vertical) dimensions of the existing area of groundwater contamination[2]).

    _____ If no (contaminated groundwater is observed or expected to migrate beyond the designated locations defining the existing area of groundwater contamination[2]) - skip to #8 and enter "NO" status code, after providing an explanation.

    _____ If unknown - skip to #8 and enter "IN" status code.

Rationale:

N/A

References:

N/A

4. Does "contaminated" groundwater **discharge** into **surface water** bodies?

    _____ If yes - continue after identifying potentially affected surface water bodies.

    ____ If no - skip to #7 (and enter a "YE" status code in #8, if #7 = yes) after providing an explanation and/or referencing documentation supporting that groundwater "contaminated" does not enter surface water bodies.

    _____ If unknown - skip to #8 and enter "IN" status code.

[2]"existing area of contaminated groundwater" is an area (with horizontal and vertical dimensions) that has been verifiably demonstrated to contain all relevant groundwater contamination for this determination, and is defined by designated (monitoring) locations proximate to the outer perimeter of "contamination" that can and will be sampled/tested in the future to physically verify that all "contaminated" groundwater remains within this area, and that the further migration of "contaminated" groundwater is not occurring. Reasonable allowances in the proximity of the monitoring locations are permissible to incorporate formal remedy decisions (i.e., including public participation) allowing a limited area for natural attenuation.

Rationale:

N/A

References:

N/A

5. Is the **discharge** of "contaminated" groundwater into surface water likely to be **"insignificant"** (i.e., the maximum concentration[3] of each contaminant discharging into surface water is less than 10 times their appropriate groundwater "level," and there are no other conditions (e.g., the nature, and number, of discharging contaminants, or environmental setting), which significantly increase the potential for unacceptable impacts to surface water, sediments, or eco-systems at these concentrations)?

.

_____ If yes - skip to #7 (and enter "YE" status code in #8 if #7 = yes), after documenting: 1) the maximum known or reasonably suspected concentration[3] of key contaminants discharged above their groundwater "level," the value of the appropriate "level(s)," and if there is evidence that the concentrations are increasing; and 2) provide a statement of professional judgement/explanation (or reference documentation) supporting that the discharge of groundwater contaminants into the surface water is not anticipated to have unacceptable impacts to the receiving surface water, sediments, or eco-system.

_____ If no - (the discharge of "contaminated" groundwater into surface water is potentially significant) - continue after documenting: 1) the maximum known or reasonably suspected concentration[3] of each contaminant discharged above its groundwater "level," the value of the appropriate "level(s)," and if there is evidence that the concentrations are increasing; and 2) for any contaminants discharging into surface water in concentrations[3] greater than 100 times their appropriate groundwater "levels," the estimated total amount (mass in kg/yr) of each of these contaminants that are being discharged (loaded) into the surface water body (at the time of the determination), and identify if there is evidence that the amount of discharging contaminants is increasing.

_____ If unknown - enter "IN" status code in #8.

Rationale:

N/A

References:

N/A

[3]As measured in groundwater prior to entry to the groundwater-surface water/sediment interaction (e.g., hyporheic) zone.

6. Can the **discharge** of "contaminated" groundwater into surface water be shown to be "**currently acceptable**" (i.e., not cause impacts to surface water, sediments or eco-systems that should not be allowed to continue until a final remedy decision can be made and implemented[4])?

_____ If yes - continue after either: 1) identifying the Final Remedy decision incorporating these conditions, or other site-specific criteria (developed for the protection of the site's surface water, sediments, and eco-systems), and referencing supporting documentation demonstrating that these criteria are not exceeded by the discharging groundwater; OR
2) providing or referencing an interim-assessment,[5] appropriate to the potential for impact, that shows the discharge of groundwater contaminants into the surface water is (in the opinion of a trained specialists, including ecologist) adequately protective of receiving surface water, sediments, and eco-systems, until such time when a full assessment and final remedy decision can be made. Factors which should be considered in the interim-assessment (where appropriate to help identify the impact associated with discharging groundwater) include: surface water body size, flow, use/classification/habitats and contaminant loading limits, other sources of surface water/sediment contamination, surface water and sediment sample results and comparisons to available and appropriate surface water and sediment "levels," as well as any other factors, such as effects on ecological receptors (e.g., via bio-assays/benthic surveys or site-specific ecological Risk Assessments), that the overseeing regulatory agency would deem appropriate for making the EI determination.

_____ If no - (the discharge of "contaminated" groundwater can not be shown to be "**currently acceptable**") - skip to #8 and enter "NO" status code, after documenting the currently unacceptable impacts to the surface water body, sediments, and/or eco-systems.

_____ If unknown - skip to 8 and enter "IN" status code.

Rationale:

N/A

[4]Note, because areas of inflowing groundwater can be critical habitats (e.g., nurseries or thermal refugia) for many species, appropriate specialist (e.g., ecologist) should be included in management decisions that could eliminate these areas by significantly altering or reversing groundwater flow pathways near surface water bodies.

[5]The understanding of the impacts of contaminated groundwater discharges into surface water bodies is a rapidly developing field and reviewers are encouraged to look to the latest guidance for the appropriate methods and scale of demonstration to be reasonably certain that discharges are not causing currently unacceptable impacts to the surface waters, sediments or eco-systems.

References:

N/A

7. Will groundwater **monitoring** / measurement data (and surface water/sediment/ecological data, as necessary) be collected in the future to verify that contaminated groundwater has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area of contaminated groundwater?

_____ If yes - continue after providing or citing documentation for planned activities or future sampling/measurement events. Specifically identify the well/measurement locations which will be tested in the future to verify the expectation (identified in #3) that groundwater contamination will not be migrating horizontally (or vertically, as necessary) beyond the "existing area of groundwater contamination."

_____ If no - enter "NO" status code in #8.

_____ If unknown - enter "IN" status code in #8.

Rationale:

N/A

8. Check the appropriate RCRAInfo status codes for the Migration of Contaminated Groundwater Under Control EI (event code CA750), and obtain Supervisor (or appropriate Manager) signature and date on the EI determination below (attach appropriate supporting documentation as well as a map of the facility).

__X__ YE - Yes, "Migration of Contaminated Groundwater Under Control" has been verified. Based on a review of the information contained in this EI determination, it has been determined that the "Migration of Contaminated Groundwater" is "Under Control" at the **Central Hudson Gas & Electric – Eltings Corners Facility, EPA ID # NYD000705905, located at 24 South Street, Town of Lloyd, Ulster County, New York.** Specifically, this determination indicates that the migration of known or reasonably suspected to be "contaminated" groundwater is under control, and that monitoring will be conducted, as necessary, to confirm that contaminated groundwater remains within the "existing area of contaminated groundwater". This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

_____ NO - Unacceptable migration of contaminated groundwater is observed or expected.

_____ IN - More information is needed to make a determination.

Completed by: Kiera A Thompson Date: March 28, 2013
Kiera Thompson, Project Manager, Section B, Bureau C, DER

Supervisor: Kiera A Thompson FOR Date: March 28, 2013
David Crosby, P.E., Chief, Section B, Bureau C, DER

Director: George Heitzman Date: March 28, 2013
George Heitzman, P.E., Director, Bureau C, DER

Locations where References may be found:

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

Contact, telephone number and e-mail:

Kiera Thompson
(518) 402-9662
kathomps@gw.dec.state.ny.us

PLOTTED: 25 Mar 2009, 9:35am, JLubbers

CAD FILE: G:\CAD\Central Hudson\EltingsCorners\ LAYOUT: LOCATION

NEWBURGH, NY

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0 200 400 800

SCALE IN FEET

REFERENCES:
1. "2004 ORTHOPHOTO" NYS GIS CLEARINGHOUSE ORTHOIMAGERY PROGRAM

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PROJECT NO.	99768
DRAWN:	03/19/2009
DRAWN BY:	JL
CHECKED BY:	JC
FILE NAME:	EltingsCorners.dwg

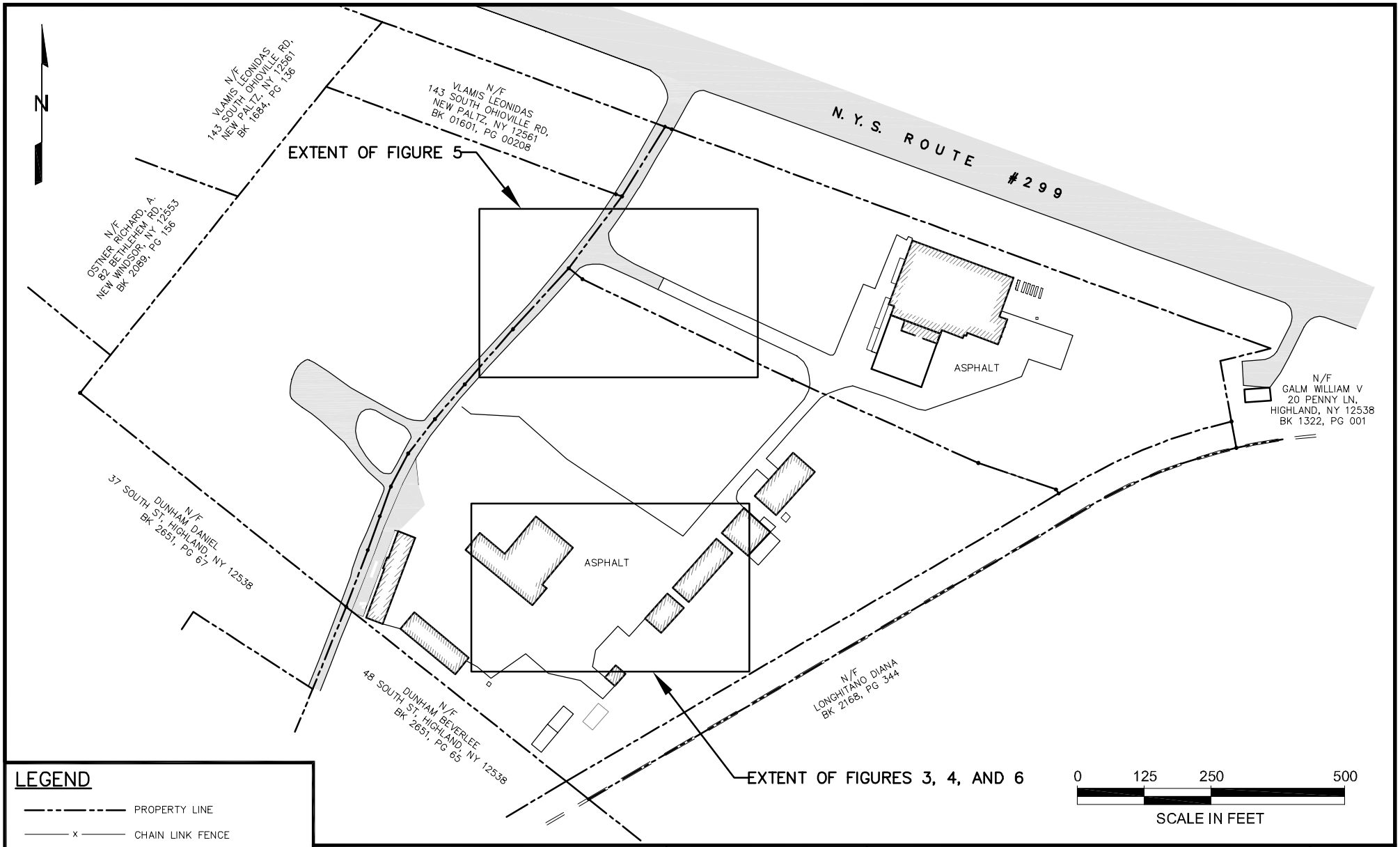
LOCATION MAP

C.H.G.E. CORP
ELTINGS CORNERS PROPERTY
SOUTH STREET
TOWN OF LLOYD, ULSTER COUNTY, NEW YORK

FIGURE

1

NEWBURGH, NY CAD FILE: G:\CAD\Central Hudson\EltingsCorners\ LAYOUT: SITE PLOTTED: 25 Mar 2009, 9:36am, JLubbers



LEGEND

PROPERTY LINE

CHAIN LINK FENCE

REFERENCES:

1. "MAP OF PROPERTY OF C.H.G.&E. CORP, ELTINGS CORNERS PROPERTY", PREPARED BY SPECTRA ENGINEERINGS, ARCHITECTURE AND SURVEYING P.C., DATED 5/29/07.

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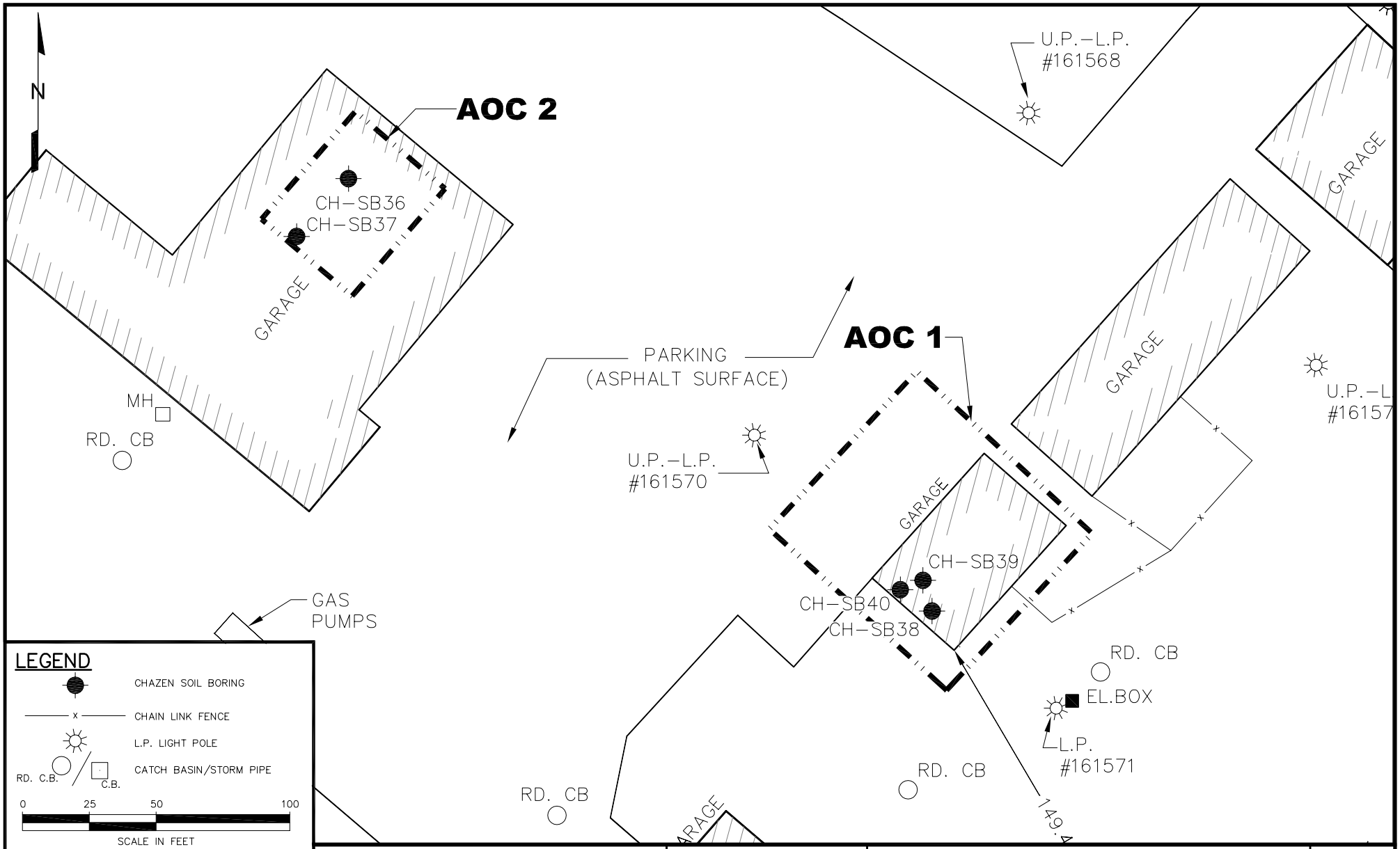
SITE PLAN

C.H.G.E. CORP
ELTINGS CORNERS PROPERTY
SOUTH STREET
TOWN OF LLOYD, ULSTER COUNTY, NEW YORK

FIGURE
2

NEWBURGH, NY CAD FILE: G:\CAD\Central Hudson\EltingsCorners\ LAYOUT: AOC PLOTTED: 25 Mar 2009, 9:37am, JLubbers



LEGEND

- CHAZEN SOIL BORING
- CHAIN LINK FENCE
- L.P. LIGHT POLE
- RD. C.B. / C.B. CATCH BASIN/STORM PIPE

0 25 50 100

SCALE IN FEET

REFERENCES:

1. "MAP OF PROPERTY OF C.H.G.&E. CORP, ELTINGS CORNERS PROPERTY", PREPARED BY SPECTRA ENGINEERINGS, ARCHITECTURE AND SURVEYING P.C., DATED 5/29/07.

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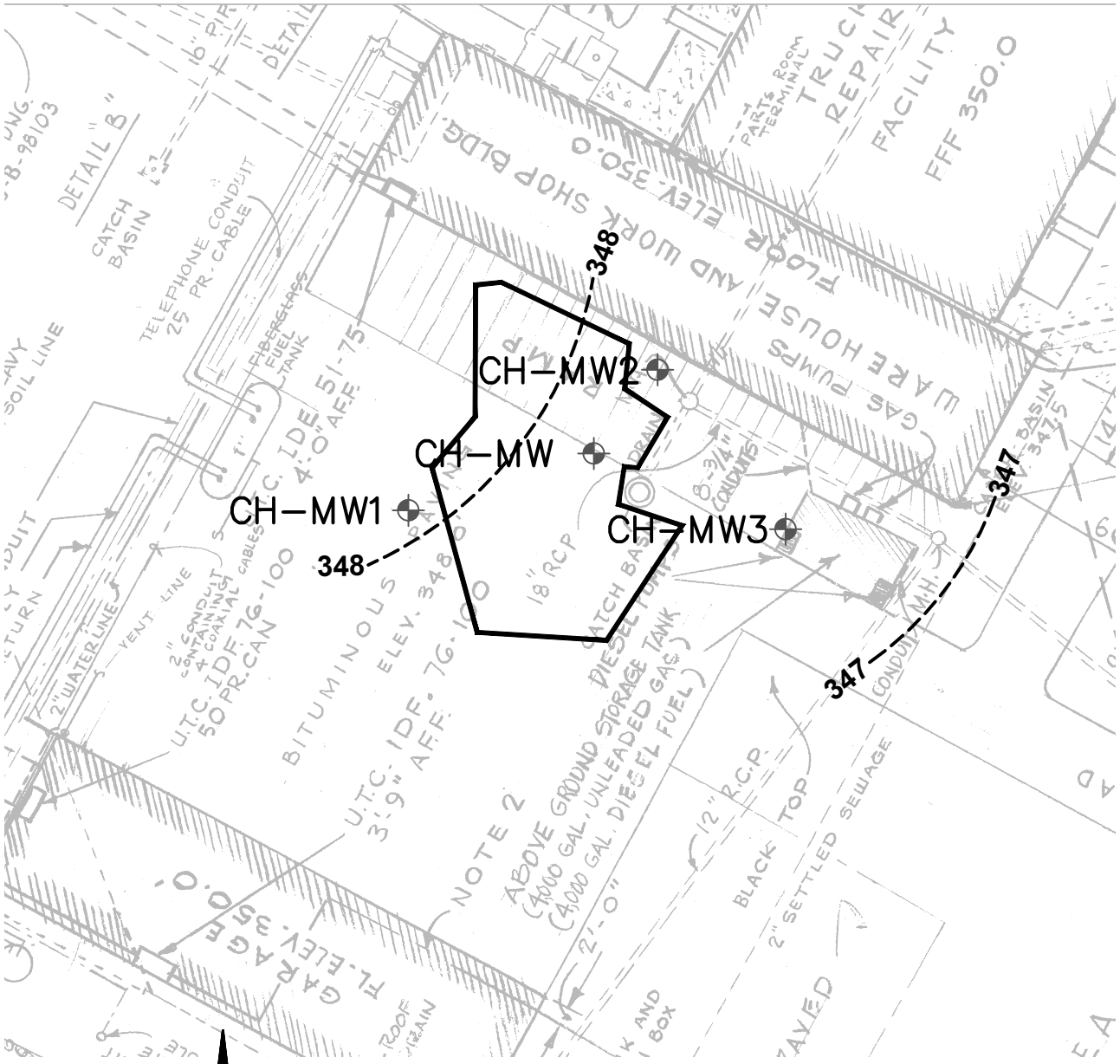
AOC LOCATION MAP

C.H.G.E. CORP
ELTINGS CORNERS PROPERTY
SOUTH STREET
TOWN OF LLOYD, ULSTER COUNTY, NEW YORK

FIGURE
3

FILENAME: P:\2010\Land Remediation\Eltings Corner\CADD Drawings\3-25-2010 GW CNTRS.dwg DATE: April 8, 2010 TIME: 2:34 PM



LEGEND

- APPROXIMATE EXCAVATION LIMITS
- CH-MW1 — MONITORING WELL LOCATIONS
- GROUNDWATER CONTOUR

WELL ID	TOP OF PVC (FT AMSL)	GW ELEV. (FT AMSL) 3/25/2010
CH-MW	349.13	NR
CH-MW 1	349.71	348.16
CH-MW 2	350.52	347.65
CH-MW 3	349.44	347.56

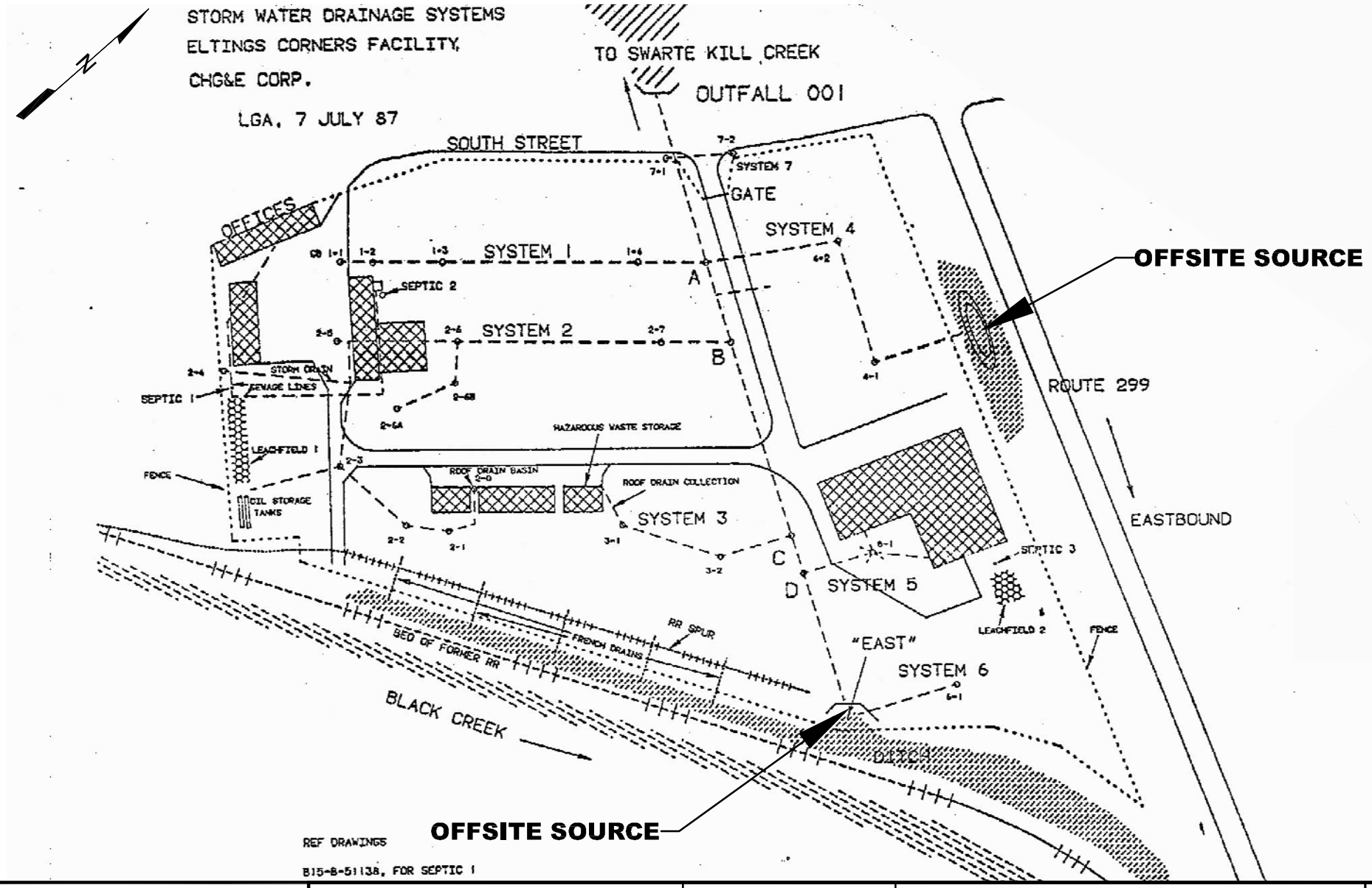
LAND Remediation, Inc.
an environmental services company

DRAWN BY:	TRT
DESIGN BY:	KAD
CHECK BY:	WPL
PROJ. NO :	N/A
SCALE :	AS SHOWN
DATE :	3/25/10

GROUNDWATER CONTOURS

TOWN OF LLOYD — CHG & E ELTING CORNER FACILITY — ULSTER COUNTY, NY

FIGURE 4



0 125 250 500

APPROXIMATE SCALE IN FEET

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STORMWATER MANAGEMENT SYSTEM LAYOUT

C.H.G.E. CORP
ELTINGS CORNERS PROPERTY
SOUTH STREET
TOWN OF LLOYD, ULSTER COUNTY, NEW YORK

FIGURE
5

Table 1
CHG&E Eltings Corners Facility, Lloyd, NY
Groundwater Analytical Results
Semivolatile Organic Compounds

Sample ID	New York State Class GA Ambient Water Quality Guidance/ Standards	MW-6			
Lab Sample No.		180-12435-2		180-16516-1	
Sampling Date		7/12/2012		11/16/2012	
Matrix		WATER		WATER	
Dilution Factor		1		1	
Units	ug/L	ug/L		ug/L	
SVOCs - 8270C					
1,1'-Biphenyl	5	0.43	ND	0.47	ND
1,2,4,5-Tetrachlorobenzene	5	0.68	ND	0.73	ND
1,2,4-Trichlorobenzene	5	0.74	ND	0.8	ND
1,2-Dichlorobenzene	3	0.78	ND	0.84	ND
1,2-Diphenylhydrazine(as Azobenzene)	5	0.69	ND	NA	
1,3-Dichlorobenzene	3	0.77	ND	0.83	ND
1,4-Dichlorobenzene	3	0.78	ND	0.84	ND
1-Methylnaphthalene	NS	0.14	ND	0.16	ND
2,2'-oxybis[1-chloropropane]	5	0.21	ND	0.22	ND
2,3,4,6-Tetrachlorophenol	NS	1.4	ND	1.5	ND
2,4,5-Trichlorophenol	NS	1.6	ND	1.7	ND
2,4,6-Trichlorophenol	NS	1.8	ND	2	ND
2,4-Dichlorophenol	10	0.35	ND	0.38	ND
2,4-Dimethylphenol	50	0.89	ND	0.96	ND
2,4-Dinitrophenol	10	6.4	ND	6.9	ND
2,4-Dinitrotoluene	5	0.56	ND	0.6	ND
2,6-Dichlorophenol	NS	2.1	ND	2.3	ND
2,6-Dinitrotoluene	5	0.83	ND	0.9	ND
2-Chloronaphthalene	10	0.16	ND	0.17	ND
2-Chlorophenol	NS	1.7	ND	1.9	ND
2-Methylnaphthalene	NS	0.13	ND	0.14	ND
2-Methylphenol	NS	0.9	ND	0.97	ND
2-Nitroaniline	5	3.7	ND	4	ND
2-Nitrophenol	NS	1.8	ND	1.9	ND
3,3'-Dichlorobenzidine	5	1.2	ND	1.3	ND
3-Nitroaniline	5	3.3	ND	3.6	ND
4,6-Dinitro-2-methylphenol	NS	2.3	ND	2.5	ND
4-Bromophenyl phenyl ether	NS	0.66	ND	0.71	ND
4-Chloro-3-methylphenol	NS	0.79	ND	0.85	ND
4-Chloroaniline	5	0.92	ND	0.99	ND
4-Chlorophenyl phenyl ether	NS	0.52	ND	0.57	ND
4-Nitroaniline	5	1.8	ND	1.9	ND
4-Nitrophenol	NS	6.7	ND	7.3	ND
Acenaphthene	20	0.15	ND	0.16	ND
Acenaphthylene	NS	6.9		0.17	ND
Acetophenone	NS	0.83	ND	0.9	ND
Aniline	5	0.75	ND	0.81	ND
Anthracene	50	0.16	ND	0.17	ND
Atrazine	7.5	0.93	ND	1	ND
Benzaldehyde	NS	1.6	ND	1.7	ND
Benzidine	5	36	ND	39	ND
Benzo[a]anthracene	0.002	0.15	ND	0.17	ND
Benzo[a]pyrene	NS	0.14	ND	0.15	ND
Benzo[b]fluoranthene	0.002	0.16	ND	0.18	ND
Benzo[g,h,i]perylene	NS	0.16	ND	0.17	ND
Benzo[k]fluoranthene	0.002	0.57	ND	0.61	ND
Benzoic acid	NS	5.9	ND*	6.3	ND
Benzyl alcohol	NS	2.2	ND*	2.4	ND
Bis(2-chloroethoxy)methane	5	0.61	ND	0.65	ND
Bis(2-chloroethyl)ether	1	0.26	ND	0.28	ND
Bis(2-ethylhexyl) phthalate	5	13	ND	14	ND
Butyl benzyl phthalate	50	1.5	ND	1.6	ND
Caprolactam	NS	29	J	58	
Carbazole	NS	0.16	ND	0.18	ND
Chrysene	0.002	0.15	ND	0.16	ND
Dibenz(a,h)anthracene	NS	0.16	ND	0.17	ND
Dibenzofuran	NS	0.64	ND	0.69	ND
Diethyl phthalate	50	1.5	ND	2.2	J
Dimethyl phthalate	50	0.8	ND	0.86	ND
Di-n-butyl phthalate	50	1.3	ND	1.4	ND
Di-n-octyl phthalate	50	2.2	ND	2.3	ND
Fluoranthene	50	0.17	ND	0.18	ND
Fluorene	50	0.23	ND	0.24	ND
Hexachlorobenzene	0.04	0.19	ND	0.21	ND
Hexachlorobutadiene	0.5	0.17	ND	0.19	ND
Hexachlorocyclopentadiene	5	0.54	ND	0.58	ND
Hexachloroethane	5	0.65	ND	0.71	ND
Indeno[1,2,3-cd]pyrene	0.002	0.21	ND	0.22	ND
Isophorone	50	0.67	ND	0.72	ND
Methylphenol, 3 & 4	NS	0.94	ND	1	ND
Naphthalene	10	0.15	ND	0.16	ND
Nitrobenzene	0.4	0.88	ND	0.95	ND
N-Nitrosodimethylamine	NS	0.77	ND	0.83	ND
N-Nitrosodi-n-propylamine	NS	0.32	ND	0.35	ND
N-Nitrosodiphenylamine	NS	0.89	ND	0.96	ND
Pentachlorophenol	NS	0.69	ND	0.74	ND
Phenanthrene	50	0.44	ND	0.48	ND
Phenol	NS	0.61	ND	0.65	ND
Pyrene	50	0.16	ND	0.18	ND
Pyridine	50	0.74	ND*	0.8	ND

Qualifiers:
J: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
NA: Not Analyzed
NS: No Standard
U: Non-detect

Table 1
CHG&E Eltings Corners Facility, Lloyd, NY
Groundwater Analytical Results
Semivolatile Organic Compounds

Sample ID	**New York State Class GA Ambient Water Quality Guidance/ Standards**	**MW-6A** (Dup. of MW-6)			
Lab Sample No.		180-12435-3		180-16516-2	
Sampling Date		7/12/2012		11/16/2012	
Matrix		WATER		WATER	
Dilution Factor		1		1	
Units	ug/L	ug/L		ug/L	
SVOCs - 8270C					
1,1'-Biphenyl	5	0.4	ND	0.46	ND
1,2,4,5-Tetrachlorobenzene	5	0.63	ND	0.72	ND
1,2,4-Trichlorobenzene	5	0.68	ND	0.79	ND
1,2-Dichlorobenzene	3	0.72	ND	0.83	ND
1,2-Diphenylhydrazine(as Azobenzene)	5	0.63	ND	NA	
1,3-Dichlorobenzene	3	0.71	ND	0.83	ND
1,4-Dichlorobenzene	3	0.72	ND	0.83	ND
1-Methylnaphthalene	NS	0.13	ND	0.15	ND
2,2'-oxybis[1-chloropropane]	5	0.19	ND	0.22	ND
2,3,4,6-Tetrachlorophenol	NS	1.3	ND	1.5	ND
2,4,5-Trichlorophenol	NS	1.5	ND	1.7	ND
2,4,6-Trichlorophenol	NS	1.7	ND	1.9	ND
2,4-Dichlorophenol	10	0.32	ND	0.37	ND
2,4-Dimethylphenol	50	0.82	ND	0.95	ND
2,4-Dinitrophenol	10	5.9	ND	6.8	ND
2,4-Dinitrotoluene	5	0.52	ND	0.6	ND
2,6-Dichlorophenol	NS	1.9	ND	2.2	ND
2,6-Dinitrotoluene	5	0.77	ND	0.89	ND
2-Chloronaphthalene	10	0.15	ND	0.17	ND
2-Chlorophenol	NS	1.6	ND	1.8	ND
2-Methylnaphthalene	NS	0.12	ND	0.14	ND
2-Methylphenol	NS	0.83	ND	0.96	ND
2-Nitroaniline	5	3.4	ND	3.9	ND
2-Nitrophenol	NS	1.6	ND	1.9	ND
3,3'-Dichlorobenzidine	5	1.1	ND	1.2	ND
3-Nitroaniline	5	3.1	ND	3.6	ND
4,6-Dinitro-2-methylphenol	NS	2.1	ND	2.4	ND
4-Bromophenyl phenyl ether	NS	0.61	ND	0.71	ND
4-Chloro-3-methylphenol	NS	0.73	ND	0.84	ND
4-Chloroaniline	5	0.85	ND	0.98	ND
4-Chlorophenyl phenyl ether	NS	0.48	ND	0.56	ND
4-Nitroaniline	5	1.7	ND	1.9	ND
4-Nitrophenol	NS	6.2	ND	7.2	ND
Acenaphthene	20	0.14	ND	0.16	ND
Acenaphthylene	NS	0.15	ND	0.17	ND
Acetophenone	NS	0.77	ND	0.89	ND
Aniline	5	0.69	ND	0.8	ND
Anthracene	50	0.15	ND	0.17	ND
Atrazine	7.5	0.86	ND	0.99	ND
Benzaldehyde	NS	1.4	ND	1.7	ND
Benzidine	5	33	ND	39	ND
Benzo[a]anthracene	0.002	0.14	ND	0.16	ND
Benzo[a]pyrene	NS	0.13	ND	0.15	ND
Benzo[b]fluoranthene	0.002	0.15	ND	0.17	ND
Benzo[g,h,i]perylene	NS	0.15	ND	0.17	ND
Benzo[k]fluoranthene	0.002	0.53	ND	0.61	ND
Benzoic acid	NS	5.4	ND*	6.2	ND
Benzyl alcohol	NS	2.1	ND*	2.4	ND
Bis(2-chloroethoxy)methane	5	0.56	ND	0.65	ND
Bis(2-chloroethyl)ether	1	0.24	ND	0.28	ND
Bis(2-ethylhexyl) phthalate	5	12	ND	14	ND
Butyl benzyl phthalate	50	1.4	ND	1.6	ND
Caprolactam	NS	25	J	21	J
Carbazole	NS	0.15	ND	0.18	ND
Chrysene	0.002	0.13	ND	0.16	ND
Dibenz(a,h)anthracene	NS	0.15	ND	0.17	ND
Dibenzofuran	NS	0.59	ND	0.69	ND
Diethyl phthalate	50	1.4	ND	1.6	ND
Dimethyl phthalate	50	0.74	ND	0.85	ND
Di-n-butyl phthalate	50	1.2	ND	1.4	ND
Di-n-octyl phthalate	50	2	ND	2.3	ND
Fluoranthene	50	0.16	ND	0.18	ND
Fluorene	50	0.21	ND	0.24	ND
Hexachlorobenzene	0.04	0.18	ND	0.2	ND
Hexachlorobutadiene	0.5	0.16	ND	0.18	ND
Hexachlorocyclopentadiene	5	0.5	ND	0.58	ND
Hexachloroethane	5	0.6	ND	0.7	ND
Indeno[1,2,3-cd]pyrene	0.002	0.19	ND	0.22	ND
Isophorone	50	0.62	ND	0.72	ND
Methylphenol, 3 & 4	NS	0.87	ND	1	ND
Naphthalene	10	0.13	ND	0.16	ND
Nitrobenzene	0.4	0.81	ND	0.94	ND
N-Nitrosodimethylamine	NS	0.71	ND	0.82	ND
N-Nitrosodi-n-propylamine	NS	0.3	ND	0.34	ND
N-Nitrosodiphenylamine	NS	0.82	ND	0.95	ND
Pentachlorophenol	NS	0.64	ND	0.74	ND
Phenanthrene	50	0.41	ND	0.47	ND
Phenol	NS	0.56	ND	0.65	ND
Pyrene	50	0.15	ND	0.17	ND
Pyridine	50	0.69	ND*	0.79	ND

Qualifiers:
J: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
NA: Not Analyzed
NS: No Standard
U: Non-detect

Table 1
CHG&E Eltings Corners Facility, Lloyd, NY
Groundwater Analytical Results
Semivolatile Organic Compounds

Sample ID	New York State Class GA Ambient Water Quality Guidance/ Standards	MW-7			
Lab Sample No.		180-12435-1		180-16516-3	
Sampling Date		7/12/2012		11/16/2012	
Matrix		WATER		WATER	
Dilution Factor		1		1	
Units	ug/L	ug/L		ug/L	
SVOCs - 8270C					
1,1'-Biphenyl	5	0.4	ND	0.48	ND
1,2,4,5-Tetrachlorobenzene	5	0.63	ND	0.76	ND
1,2,4-Trichlorobenzene	5	0.68	ND	0.83	ND
1,2-Dichlorobenzene	3	0.72	ND	0.87	ND
1,2-Diphenylhydrazine(as Azobenzene)	5	0.63	ND	NA	
1,3-Dichlorobenzene	3	0.71	ND	0.86	ND
1,4-Dichlorobenzene	3	0.72	ND	0.87	ND
1-Methylnaphthalene	NS	0.13	ND	0.16	ND
2,2'-oxybis[1-chloropropane]	5	0.19	ND	0.23	ND
2,3,4,6-Tetrachlorophenol	NS	1.3	ND	1.6	ND
2,4,5-Trichlorophenol	NS	1.5	ND	1.8	ND
2,4,6-Trichlorophenol	NS	1.7	ND	2	ND
2,4-Dichlorophenol	10	0.32	ND	0.39	ND
2,4-Dimethylphenol	50	0.82	ND	0.99	ND
2,4-Dinitrophenol	10	5.9	ND	7.1	ND
2,4-Dinitrotoluene	5	0.52	ND	0.62	ND
2,6-Dichlorophenol	NS	1.9	ND	2.3	ND
2,6-Dinitrotoluene	5	0.77	ND	0.93	ND
2-Chloronaphthalene	10	0.15	ND	0.18	ND
2-Chlorophenol	NS	1.6	ND	1.9	ND
2-Methylnaphthalene	NS	0.12	ND	0.14	ND
2-Methylphenol	NS	0.83	ND	1	ND
2-Nitroaniline	5	3.4	ND	4.1	ND
2-Nitrophenol	NS	1.6	ND	2	ND
3,3'-Dichlorobenzidine	5	1.1	ND	1.3	ND
3-Nitroaniline	5	3.1	ND	3.7	ND
4,6-Dinitro-2-methylphenol	NS	2.1	ND	2.6	ND
4-Bromophenyl phenyl ether	NS	0.61	ND	0.74	ND
4-Chloro-3-methylphenol	NS	0.73	ND	0.88	ND
4-Chloroaniline	5	0.85	ND	1	ND
4-Chlorophenyl phenyl ether	NS	0.48	ND	0.58	ND
4-Nitroaniline	5	1.7	ND	2	ND
4-Nitrophenol	NS	6.2	ND	7.5	ND
Acenaphthene	20	0.14	ND	0.17	ND
Acenaphthylene	NS	0.15	ND	0.18	ND
Acetophenone	NS	0.77	ND	0.93	ND
Aniline	5	0.69	ND	0.84	ND
Anthracene	50	0.15	ND	0.18	ND
Atrazine	7.5	0.86	ND	1	ND
Benzaldehyde	NS	1.4	ND	1.7	ND
Benzidine	5	33	ND	40	ND
Benzo[a]anthracene	0.002	0.14	ND	0.17	ND
Benzo[a]pyrene	NS	0.13	ND	0.16	ND
Benzo[b]fluoranthene	0.002	0.15	ND	0.18	ND
Benzo[g,h,i]perylene	NS	0.15	ND	0.18	ND
Benzo[k]fluoranthene	0.002	0.53	ND	0.64	ND
Benzoic acid	NS	5.4	ND*	6.5	ND
Benzyl alcohol	NS	2.1	ND*	2.5	ND
Bis(2-chloroethoxy)methane	5	0.56	ND	0.68	ND
Bis(2-chloroethyl)ether	1	0.24	ND	0.29	ND
Bis(2-ethylhexyl) phthalate	5	12	ND	15	ND
Butyl benzyl phthalate	50	1.4	ND	1.7	ND
Caprolactam	NS	11	ND	22	J
Carbazole	NS	0.15	ND	0.18	ND
Chrysene	0.002	0.13	ND	0.16	ND
Dibenz(a,h)anthracene	NS	0.15	ND	0.18	ND
Dibenzofuran	NS	0.59	ND	0.72	ND
Diethyl phthalate	50	1.4	ND	2.3	J
Dimethyl phthalate	50	0.74	ND	0.89	ND
Di-n-butyl phthalate	50	1.2	ND	1.5	ND
Di-n-octyl phthalate	50	2	ND	2.4	ND
Fluoranthene	50	0.16	ND	0.19	ND
Fluorene	50	0.21	ND	0.25	ND
Hexachlorobenzene	0.04	0.18	ND	0.21	ND
Hexachlorobutadiene	0.5	0.16	ND	0.19	ND
Hexachlorocyclopentadiene	5	0.5	ND	0.6	ND
Hexachloroethane	5	0.6	ND	0.73	ND
Indeno[1,2,3-cd]pyrene	0.002	0.19	ND	0.23	ND
Isophorone	50	0.62	ND	0.75	ND
Methylphenol, 3 & 4	NS	0.87	ND	1	ND
Naphthalene	10	0.13	ND	0.16	ND
Nitrobenzene	0.4	0.81	ND	0.98	ND
N-Nitrosodimethylamine	NS	0.71	ND	0.85	ND
N-Nitrosodi-n-propylamine	NS	0.3	ND	0.36	ND
N-Nitrosodiphenylamine	NS	0.82	ND	0.99	ND
Pentachlorophenol	NS	0.64	ND	0.77	ND
Phenanthrene	50	0.41	ND	0.5	ND
Phenol	NS	0.56	ND	0.68	ND
Pyrene	50	0.15	ND	0.18	ND
Pyridine	50	0.69	ND*	0.83	ND

Qualifiers:
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NA: Not Analyzed
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U: Non-detect

Table 1
CHG&E Eltings Corners Facility, Lloyd, NY
Groundwater Analytical Results
Semivolatile Organic Compounds

Sample ID	New York State Class GA Ambient Water Quality Guidance/ Standards	MW-8			
Lab Sample No.		180-12435-4		180-16516-4	
Sampling Date		7/12/2012		11/16/2012	
Matrix		WATER		WATER	
Dilution Factor		1		1	
Units	ug/L	ug/L		ug/L	
SVOCs - 8270C					
1,1'-Biphenyl	5	0.4	ND	0.43	ND
1,2,4,5-Tetrachlorobenzene	5	0.63	ND	0.67	ND
1,2,4-Trichlorobenzene	5	0.68	ND	0.73	ND
1,2-Dichlorobenzene	3	0.72	ND	0.77	ND
1,2-Diphenylhydrazine(as Azobenzene)	5	0.63	ND	NA	
1,3-Dichlorobenzene	3	0.71	ND	0.77	ND
1,4-Dichlorobenzene	3	0.72	ND	0.77	ND
1-Methylnaphthalene	NS	0.13	ND	0.14	ND
2,2'-oxybis[1-chloropropane]	5	0.19	ND	0.2	ND
2,3,4,6-Tetrachlorophenol	NS	1.3	ND	1.4	ND
2,4,5-Trichlorophenol	NS	1.5	ND	1.6	ND
2,4,6-Trichlorophenol	NS	1.7	ND	1.8	ND
2,4-Dichlorophenol	10	0.32	ND	0.34	ND
2,4-Dimethylphenol	50	0.82	ND	0.88	ND
2,4-Dinitrophenol	10	5.9	ND	6.3	ND
2,4-Dinitrotoluene	5	0.52	ND	0.55	ND
2,6-Dichlorophenol	NS	1.9	ND	2.1	ND
2,6-Dinitrotoluene	5	0.77	ND	0.82	ND
2-Chloronaphthalene	10	0.15	ND	0.16	ND
2-Chlorophenol	NS	1.6	ND	1.7	ND
2-Methylnaphthalene	NS	0.12	ND	0.13	ND
2-Methylphenol	NS	0.83	ND	0.89	ND
2-Nitroaniline	5	3.4	ND	3.6	ND
2-Nitrophenol	NS	1.6	ND	1.8	ND
3,3'-Dichlorobenzidine	5	1.1	ND	1.2	ND
3-Nitroaniline	5	3.1	ND	3.3	ND
4,6-Dinitro-2-methylphenol	NS	2.1	ND	2.3	ND
4-Bromophenyl phenyl ether	NS	0.61	ND	0.65	ND
4-Chloro-3-methylphenol	NS	0.73	ND	0.78	ND
4-Chloroaniline	5	0.85	ND	0.91	ND
4-Chlorophenyl phenyl ether	NS	0.48	ND	0.52	ND
4-Nitroaniline	5	1.7	ND	1.8	ND
4-Nitrophenol	NS	6.2	ND	6.7	ND
Acenaphthene	20	0.14	ND	0.15	ND
Acenaphthylene	NS	0.15	ND	0.16	ND
Acetophenone	NS	0.77	ND	0.82	ND
Aniline	5	0.69	ND	0.74	ND
Anthracene	50	0.15	ND	0.16	ND
Atrazine	7.5	0.86	ND	0.92	ND
Benzaldehyde	NS	1.4	ND	1.5	ND
Benzidine	5	33	ND	36	ND
Benzo[a]anthracene	0.002	0.14	ND	0.15	ND
Benzo[a]pyrene	NS	0.13	ND	0.14	ND
Benzo[b]fluoranthene	0.002	0.15	ND	0.16	ND
Benzo[g,h,i]perylene	NS	0.15	ND	0.16	ND
Benzo[k]fluoranthene	0.002	0.53	ND	0.56	ND
Benzoic acid	NS	5.4	ND*	5.8	ND
Benzyl alcohol	NS	2.1	ND*	2.2	ND
Bis(2-chloroethoxy)methane	5	0.56	ND	0.6	ND
Bis(2-chloroethyl)ether	1	0.24	ND	0.26	ND
Bis(2-ethylhexyl) phthalate	5	12	ND	13	ND
Butyl benzyl phthalate	50	1.4	ND	1.5	ND
Caprolactam	NS	11	ND	19	J
Carbazole	NS	0.15	ND	0.16	ND
Chrysene	0.002	0.13	ND	0.14	ND
Dibenz(a,h)anthracene	NS	0.15	ND	0.16	ND
Dibenzofuran	NS	0.59	ND	0.64	ND
Diethyl phthalate	50	1.4	ND	2.6	J
Dimethyl phthalate	50	0.74	ND	0.79	ND
Di-n-butyl phthalate	50	1.2	ND	1.3	ND
Di-n-octyl phthalate	50	2	ND	2.1	ND
Fluoranthene	50	0.16	ND	0.17	ND
Fluorene	50	0.21	ND	0.22	ND
Hexachlorobenzene	0.04	0.18	ND	0.19	ND
Hexachlorobutadiene	0.5	0.16	ND	0.17	ND
Hexachlorocyclopentadiene	5	0.5	ND	0.53	ND
Hexachloroethane	5	0.6	ND	0.65	ND
Indeno[1,2,3-cd]pyrene	0.002	0.19	ND	0.21	ND
Isophorone	50	0.62	ND	0.66	ND
Methylphenol, 3 & 4	NS	0.87	ND	0.93	ND
Naphthalene	10	0.13	ND	0.14	ND
Nitrobenzene	0.4	0.81	ND	0.87	ND
N-Nitrosodimethylamine	NS	0.71	ND	0.76	ND
N-Nitrosodi-n-propylamine	NS	0.3	ND	0.32	ND
N-Nitrosodiphenylamine	NS	0.82	ND	0.88	ND
Pentachlorophenol	NS	0.64	ND	0.68	ND
Phenanthrene	50	0.41	ND	0.44	ND
Phenol	NS	0.56	ND	0.6	ND
Pyrene	50	0.15	ND	0.16	ND
Pyridine	50	0.69	ND*	0.74	ND

Qualifiers:
J: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
NA: Not Analyzed
NS: No Standard
U: Non-detect

Table 1
CHG&E Eltings Corners Facility, Lloyd, NY
Groundwater Analytical Results
Semivolatile Organic Compounds

Sample ID	New York State Class GA Ambient Water Quality Guidance/ Standards	MW-9			
Lab Sample No.		180-12435-5		180-16516-5	
Sampling Date		7/12/2012		11/16/2012	
Matrix		WATER		WATER	
Dilution Factor		1		1	
Units	ug/L	ug/L		ug/L	
SVOCs - 8270C					
1,1'-Biphenyl	5	0.41	ND	0.51	ND
1,2,4,5-Tetrachlorobenzene	5	0.64	ND	0.79	ND
1,2,4-Trichlorobenzene	5	0.7	ND	0.87	ND
1,2-Dichlorobenzene	3	0.74	ND	0.91	ND
1,2-Diphenylhydrazine(as Azobenzene)	5	0.65	ND	NA	
1,3-Dichlorobenzene	3	0.74	ND	0.91	ND
1,4-Dichlorobenzene	3	0.74	ND	0.91	ND
1-Methylnaphthalene	NS	0.14	ND	0.17	ND
2,2'-oxybis[1-chloropropane]	5	0.2	ND	0.24	ND
2,3,4,6-Tetrachlorophenol	NS	1.3	ND	1.6	ND
2,4,5-Trichlorophenol	NS	1.5	ND	1.9	ND
2,4,6-Trichlorophenol	NS	1.7	ND	2.1	ND
2,4-Dichlorophenol	10	0.33	ND	0.41	ND
2,4-Dimethylphenol	50	0.84	ND	1	ND
2,4-Dinitrophenol	10	6.1	ND	7.5	ND
2,4-Dinitrotoluene	5	0.53	ND	0.65	ND
2,6-Dichlorophenol	NS	2	ND	2.4	ND
2,6-Dinitrotoluene	5	0.79	ND	0.97	ND
2-Chloronaphthalene	10	0.15	ND	0.18	ND
2-Chlorophenol	NS	1.6	ND	2	ND
2-Methylnaphthalene	NS	0.12	ND	0.15	ND
2-Methylphenol	NS	0.85	ND	1.1	ND
2-Nitroaniline	5	3.5	ND	4.3	ND
2-Nitrophenol	NS	1.7	ND	2.1	ND
3,3'-Dichlorobenzidine	5	1.1	ND	1.4	ND
3-Nitroaniline	5	3.2	ND	3.9	ND
4,6-Dinitro-2-methylphenol	NS	2.2	ND	2.7	ND
4-Bromophenyl phenyl ether	NS	0.63	ND	0.77	ND
4-Chloro-3-methylphenol	NS	0.75	ND	0.92	ND
4-Chloroaniline	5	0.88	ND	1.1	ND
4-Chlorophenyl phenyl ether	NS	0.5	ND	0.61	ND
4-Nitroaniline	5	1.7	ND	2.1	ND
4-Nitrophenol	NS	6.4	ND	7.9	ND
Acenaphthene	20	0.14	ND	0.18	ND
Acenaphthylene	NS	0.15	ND	0.19	ND
Acetophenone	NS	0.79	ND	0.98	ND
Aniline	5	0.71	ND	0.88	ND
Anthracene	50	0.15	ND	0.19	ND
Atrazine	7.5	0.88	ND	1.1	ND
Benzaldehyde	NS	1.5	ND	1.8	ND
Benzidine	5	34	ND	42	ND
Benzo[a]anthracene	0.002	0.15	ND	0.18	ND
Benzo[a]pyrene	NS	0.13	ND	0.16	ND
Benzo[b]fluoranthene	0.002	0.16	ND	0.19	ND
Benzo[g,h,i]perylene	NS	0.15	ND	0.18	ND
Benzo[k]fluoranthene	0.002	0.54	ND	0.67	ND
Benzoic acid	NS	5.6	ND*	6.9	ND
Benzyl alcohol	NS	2.1	ND*	2.6	ND
Bis(2-chloroethoxy)methane	5	0.58	ND	0.71	ND
Bis(2-chloroethyl)ether	1	0.25	ND	0.31	ND
Bis(2-ethylhexyl) phthalate	5	12	ND	15	ND
Butyl benzyl phthalate	50	1.4	ND	1.7	ND
Caprolactam	NS	12	ND	47	J
Carbazole	NS	0.16	ND	0.19	ND
Chrysene	0.002	0.14	ND	0.17	ND
Dibenz(a,h)anthracene	NS	0.15	ND	0.19	ND
Dibenzofuran	NS	0.61	ND	0.75	ND
Diethyl phthalate	50	1.4	ND	1.8	ND
Dimethyl phthalate	50	0.76	ND	0.93	ND
Di-n-butyl phthalate	50	1.2	ND	1.5	ND
Di-n-octyl phthalate	50	2	ND	2.5	ND
Fluoranthene	50	0.16	ND	0.2	ND
Fluorene	50	0.21	ND	0.26	ND
Hexachlorobenzene	0.04	0.18	ND	0.22	ND
Hexachlorobutadiene	0.5	0.16	ND	0.2	ND
Hexachlorocyclopentadiene	5	0.51	ND	0.63	ND
Hexachloroethane	5	0.62	ND	0.77	ND
Indeno[1,2,3-cd]pyrene	0.002	0.2	ND	0.24	ND
Isophorone	50	0.64	ND	0.79	ND
Methylphenol, 3 & 4	NS	0.89	ND	1.1	ND
Naphthalene	10	0.14	ND	0.17	ND
Nitrobenzene	0.4	0.83	ND	1	ND
N-Nitrosodimethylamine	NS	0.73	ND	0.9	ND
N-Nitrosodi-n-propylamine	NS	0.3	ND	0.38	ND
N-Nitrosodiphenylamine	NS	0.84	ND	1	ND
Pentachlorophenol	NS	0.66	ND	0.81	ND
Phenanthrene	50	0.42	ND	0.52	ND
Phenol	NS	0.58	ND	0.71	ND
Pyrene	50	0.16	ND	0.19	ND
Pyridine	50	0.71	ND*	0.87	ND

Qualifiers:
J: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
NA: Not Analyzed
NS: No Standard
U: Non-detect

Table 1a
CHG&E Eltings Corners Facility, Lloyd, NY
Groundwater Analytical Results
Total and Dissolved Polychlorinated Biphenyls

Sample ID	NYSDEC Class GA Water Quality Standards	MW-6		MW-6A (Dup. of MW-6)		MW-7		MW-8		MW-9	
Lab Sample No.		180-12435-2	180-16516-1	180-12435-3	180-16516-2	180-12435-1	180-16516-3	180-12435-4	180-16516-4	180-12435-5	180-16516-5
Sampling Date		7/12/2012	11/16/2012	7/12/2012	11/16/2012	7/12/2012	11/16/2012	7/12/2012	11/16/2012	7/12/2012	11/16/2012
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		1	1	1	1	1	1	1	1	1	1
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
DISSOLVED PCBs											
PCB-1016	NS	0.0025 ND	0.0026 ND	0.0024 ND	0.0026 ND	0.0024 ND	0.0026 ND	0.0025 ND	0.0026 ND	0.0025 ND	0.0026 ND
PCB-1221	NS	0.0025 ND	0.0026 ND	0.0024 ND	0.0026 ND	0.0023 ND	0.0026 ND	0.0025 ND	0.0025 ND	0.0025 ND	0.0026 ND
PCB-1232	NS	0.0029 ND	0.0031 ND	0.0028 ND	0.0031 ND	0.0028 ND	0.0031 ND	0.0029 ND	0.003 ND	0.0029 ND	0.0031 ND
PCB-1242	NS	0.0019 ND	0.002 ND	0.0018 ND	0.002 ND	0.0018 ND	0.002 ND	0.0019 ND	0.0019 ND	0.0019 ND	0.002 ND
PCB-1248	NS	0.0023 ND	0.0024 ND	0.0022 ND	0.0024 ND	0.0021 ND	0.0024 ND	0.0023 ND	0.0023 ND	0.0023 ND	0.0024 ND
PCB-1254	NS	0.0023 ND	0.0024 ND	0.0022 ND	0.0024 ND	0.0022 ND	0.0024 ND	0.0023 ND	0.0023 ND	0.0023 ND	0.0024 ND
PCB-1260	NS	0.0014 ND	0.0014 ND	0.0013 ND	0.0014 ND	0.0013 ND	0.0014 ND	0.0014 ND	0.0014 ND	0.0014 ND	0.0014 ND
Total PCBs	0.09	0.0158 ND	0.0165 ND	0.0151 ND	0.0165 ND	0.0149 ND	0.0165 ND	0.0158 ND	0.016 ND	0.0158 ND	0.0165 ND

Qualifiers:
ND: Non-detect
NS: No Standard

Sample ID	NYSDEC Class GA Water Quality Standards	MW-6		MW-6A (Dup. of MW-6)		MW-7		MW-8		MW-9	
Lab Sample No.		180-12435-2	180-16516-1	180-12435-3	180-16516-2	180-12435-1	180-16516-3	180-12435-4	180-16516-4	180-12435-5	180-16516-5
Sampling Date		7/12/2012	11/16/2012	7/12/2012	11/16/2012	7/12/2012	11/16/2012	7/12/2012	11/16/2012	7/12/2012	11/16/2012
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		1	1	1	1	1	1	1	1	1	1
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TOTAL PCBs											
PCB-1016	NS	0.0024 ND	0.0026 ND	0.0025 ND	0.0026 ND	0.0025 ND	0.0026 ND	0.0025 ND	0.0026 ND	0.0025 ND	0.0026 ND
PCB-1221	NS	0.0024 ND	0.0026 ND	0.0025 ND	0.0026 ND	0.0025 ND	0.0026 ND	0.0025 ND	0.0025 ND	0.0025 ND	0.0026 ND
PCB-1232	NS	0.0028 ND	0.0031 ND	0.0029 ND	0.003 ND	0.0029 ND	0.0031 ND	0.003 ND	0.003 ND	0.0029 ND	0.0031 ND
PCB-1242	NS	0.0018 ND	0.002 ND	0.0019 ND	0.0019 ND	0.0018 ND	0.002 ND	0.0019 ND	0.0019 ND	0.0019 ND	0.002 ND
PCB-1248	NS	0.0022 ND	0.0024 ND	0.0023 ND	0.0023 ND	0.0023 ND	0.0024 ND	0.0023 ND	0.0023 ND	0.0023 ND	0.0024 ND
PCB-1254	NS	0.0022 ND	0.0024 ND	0.0023 ND	0.0024 ND	0.0023 ND	0.0024 ND	0.0023 ND	0.0023 ND	0.0023 ND	0.0024 ND
PCB-1260	NS	0.0013 ND	0.0014 ND	0.0014 ND	0.0014 ND	0.0013 ND	0.0014 ND	0.0014 ND	0.0014 ND	0.0014 ND	0.0014 ND
Total PCBs	0.09	0.0151 ND	0.0165 ND	0.0158 ND	0.0162 ND	0.0156 ND	0.0165 ND	0.0159 ND	0.0160 ND	0.0158 ND	0.0165 ND

Qualifiers:
ND: Non-detect
NS: No Standard

Table 2
Groundwater Analytical Data
RCRA Facility Investigation
Central Hudson Gas Electric
Eltings Corners Facility,
Highland, NY

Sample ID	Groundwater Standards and Guidance Values (GV)	CH-MW6		CH-MW7		CH-MW7 DUPLICATE		CH-MW8		CH-MW9		EQUIPMENT BLANK		TRIP BLANK		CH-SB36		CH-SB39
Lab Sample Number	(Based on TOGS 1.1.1)	220-7659-1		220-7659-2		220-7659-3		220-7659-4		220-7659-5		220-7659-6		220-7659-7		1/2/2008		1/2/2008
Sampling Date		12/23/2008 12:00:00 AM		12/23/2008 4:07:00 PM		12/23/2008 4:23:00 PM		12/23/2008 7:13:00 PM		12/23/2008 6:10:00 PM		12/23/2008 2:05:00 PM		12/23/2008 12:00:00 AM				
Matrix		Water		Water		Water		Water		Water		Water		Water				
Dilution Factor		1		1		1		1		1		1		1				
VOCs - 8260B (ug/l)																		
Methyl tert-butyl ether	10 GV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	ND		ND
Benzene	1	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	ND		ND
Toluene	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.18	J	0.50	U	ND		ND
Ethylbenzene	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	ND		ND
m&p-Xylene	5	1.0	U	1.0	U	1.0	U	1.0	U	0.14	J	1.0	U	1.0	U	ND		ND
o-Xylene	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	ND		ND
Isopropylbenzene	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	ND		ND
N-Propylbenzene	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	ND		ND
1,3,5-Trimethylbenzene	5	0.50	U	0.50	U	0.50	U	0.50	U	0.16	J	0.50	U	0.50	U	ND		ND
tert-Butylbenzene	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	ND		ND
1,2,4-Trimethylbenzene	5	0.50	U	0.50	U	0.50	U	0.50	U	0.47	J	0.50	U	0.50	U	ND		ND
sec-Butylbenzene	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	ND		ND
4-Isopropyltoluene	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	ND		ND
n-Butylbenzene	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	ND		ND
Naphthalene	10 GV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	ND		ND
Chloroethane	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U			**170**
1,1-Dichloroethane	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U			**21**
Semi VOCs - 8270C (ug/l)																		
Naphthalene	10 GV	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U			ND		ND
Acenaphthene	20 GV	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U			ND		ND
Fluorene	50 GV	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U			ND		ND
Phenanthrene	50 GV	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U			ND		ND
Anthracene	50 GV	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U			ND		ND
Pyrene	50 GV	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U			ND		ND
Benzo[a]anthracene	0.002 GV	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U			ND		ND
Chrysene	0.002 GV	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U			ND		ND
Benzo[b]fluoranthene	0.002 GV	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U			ND		ND
Benzo[k]fluoranthene	0.002 GV	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U			ND		ND
Benzo[a]pyrene	ND	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U			ND		ND
Indeno[1,2,3-cd]pyrene	0.002 GV	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U			ND		ND
Dibenz(a,h)anthracene	5	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U			ND		ND
Benzo[g,h,i]perylene	--	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U			ND		ND
Fluoranthene	50 GV	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U			ND		ND
TPH-Diesel Range Organics - 8015B (ug/l)																		
TPH-Diesel Range Organics [C10-C28]		500	U	500	U	500	U	500	U	500	U	500	U					
PCBs - 8082 (ug/l)																		
PCB-1016	0.09	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U			ND		ND
PCB-1221	0.09	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U			ND		ND
PCB-1232	0.09	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U			ND		ND
PCB-1242	0.09	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U			ND		ND
PCB-1248	0.09	0.50	U	**0.11**	J	0.50	U	0.50	U	0.50	U	0.090	J B			ND		ND
PCB-1254	0.09	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U			ND		ND
PCB-1260	0.09	0.50	U	0.50	U	0.50	U	0.50	U *	0.50	U *	0.50	U			ND		ND
PCB-1262	0.09	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U			ND		ND
PCB-1268	0.09	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U			ND		ND
Total PCBs	0.09		U	**0.11**	J		U		U		U	0.090	JB			ND		ND

See Page 2 of this table for Notes

Table 2
Groundwater Analytical Data
RCRA Facility Investigation
Central Hudson Gas Electric
Eltings Corners Facility,
Highland, NY

Sample ID	Groundwater Standards and Guidance Values (GV)	CH-MW6		CH-MW7		CH-MW7 DUPLICATE		CH-MW8		CH-MW9		EQUIPMENT BLANK		TRIP BLANK		CH-SB36		CH-SB39
Lab Sample Number	(Based on TOGS 1.1.1)	220-7659-1		220-7659-2		220-7659-3		220-7659-4		220-7659-5		220-7659-6		220-7659-7		1/2/2008		1/2/2008
Sampling Date		12/23/2008 12:00:00 AM		12/23/2008 4:07:00 PM		12/23/2008 4:23:00 PM		12/23/2008 7:13:00 PM		12/23/2008 6:10:00 PM		12/23/2008 2:05:00 PM		12/23/2008 12:00:00 AM				
Matrix		Water		Water		Water		Water		Water		Water		Water				
Dilution Factor		1		1		1		1		1		1		1				
Metals (ug/l)																		
Silver	50	10	U	10	U	10	U	10	U	10	U	10	U					ND
Aluminum	--	240	J	88	J	97	J	130	J	180	J	500	U					
Arsenic	25	20	U	20	U	20	U	20	U	20	U	20	U					**304**
Barium	1000	240		140		140		110		70		10	U					435
Beryllium	3 GV	10	U	10	U	10	U	10	U	10	U	10	U					
Calcium	--	76700		76500		78100		88600		81500		500	U					
Cadmium	5	10	U	10	U	10	U	10	U	10	U	10	U					ND
Cobalt	--	10	U	10	U	10	U	10	U	10	U	10	U					
Chromium	50	10	U	10	U	10	U	10	U	10	U	10	U					18
Copper	200	10	U	1.4	J	10	U	10	U	10	U	10	U					
Iron	300	**5300**		**15200**		**15500**		**15400**		**13600**		250	U					
Potassium	--	780		430	J	440	J	460	J	510		93	J					
Magnesium	35,000 GV	7500		7400		7500		9600		8100		500	U					
Manganese	300	**710**		**1700**		**1700**		**2400**		**2200**		15	U					
Sodium	20,000	9900		12200		12200		15000		14900		310	J					
Nickel	100	10	U	10	U	10	U	21		10	U	10	U					
Lead	25	10	U	10	U	10	U	10	U	10	U	10	U					**199**
Antimony	3	40	U	40	U	40	U	40	U	40	U	40	U					
Selenium	10	30	U	5.5	J	3.5	J	4.2	J	30	U	30	U					ND
Thallium	0.5 GV	30	U	30	U	30	U	30	U	30	U	30	U					
Vanadium	--	10	U	10	U	10	U	10	U	10	U	10	U					
Zinc	2000 GV	50	U	16	J	50	U	50	U	7.3	J	50	U					
Mercury	0.7	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U					ND
Metals (mg/l)																		
Cyanide, Amenable - mg/L	--	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U					
Cyanide, Total - mg/L	0.200	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U					

Notes:
Blank cell indicates compound was not analyzed.
Bold = exceedances of standard or guidance value
ND = Non Detected
* = LCS or LCSD exceeds the control limits
B = The analyte was found in an associated blank, as well as in the sample.
J = Indicates an estimated value.
U = Analyzed for but not detected.

See Page 2 of this table for Notes

Table 3

Groundwater Analytical Results
Second Quarterly Results

Central Hudson Gas and Electric
Eltings Corners Facility
Lloyd, NY

		21-May-09			12-Sep-09			30-Dec-09			25-Mar-10		
Volatile Organic Compounds (ug/L)	**TOGS 1.1.1 (ug/L)**	**MW-1**	**MW-2**	**MW-3**	**MW-1**	**MW-2**	**MW-3**	**MW-1**	**MW-2**	**MW-3**	**MW-1**	**MW-2**	**MW-3**
Benzene	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	**5**	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sec-butylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropyl Benzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-butyl Ether	**10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	**10***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	**NL**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semivolatile Organic Compounds (ug/L)													
Acenaphthene	**50,000**	ND	ND	ND									
Acenaphthylene	**NL**	ND	ND	ND									
Anthracene	**50,000**	ND	ND	ND									
Benzo(a)anthracene	**224 or MDL**	ND	ND	ND									
Benzo(a)pyrene	**61 or MDL**	ND	ND	ND									
Benzo(b)fluoranthene	**1,100**	ND	ND	ND									
Benzo(g,h,i)perylene	**50,000**	ND	ND	ND									
Benzo(k)fluoranthene	**1,100**	ND	ND	ND									
Chrysene	**400**	ND	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC
Dibenz(a,h)anthracene	**14.3 or MDL**	ND	ND	ND									
Fluoranthene	**50,000**	ND	ND	ND									
Fluorene	**50,000**	ND	ND	ND									
Indeno(1,2,3-cd)pyrene	**3,200**	ND	ND	ND									
2-Methylnaphthalene	**NL**	ND	ND	ND									
Naphthalene	**13,000**	ND	ND	ND									
Phenanthrene	**50,000**	ND	ND	ND									
Pyrene	**50,000**	ND	ND	ND									

Notes -

TOGS 1.1.1 = Technical & Operational Guidance Series 1.1.1 Groundwater Standards for Source of Drinking Water (Groundwater-GA) (NYSDEC, Division of Water June 1998 and April 2000 Addendum)

All results and TOGS 1.1.1 reported in microgram/liter (ug/L) or parts per billion (ppb).

Shaded cells exceed the applicable standard or guidance value.

* = dentoes guidance value, rather than a standard.

NL - No standard or guidance value listed for the compound.

ND = Not detected above the MDL for that compound.

J = Estimated value because result is above the MDL but below the reporting detection limit (RDL).

NC = Not collected. (Trip Blanks collected for volatile organic compound quality control only.)

Volatile organic compounds analyzed by USEPA Method SW-846 8021; semi-volatile compounds by USEPA Method SW-846 8270. Only NYS STARS Memo #1 compound lists reported.