December 22, 2009

Mr. Chris DeRoberts
Central Hudson Gas & Electric
284 South Avenue
Poughkeepsie, NY 12233-7258

Re: Interim Supplemental RFI Report: Wetland Investigation
Central Hudson Gas & Electric Eltings Corners Facility,
South Street, Town of Lloyd, Ulster County, New York
Project # 99768

Dear Mr. DeRoberts:

On behalf of Central Hudson Gas & Electric (CHGE), Kleinfelder East (Kleinfelder) has conducted an investigation of the wetland at CHGE's Eltings Corners facility (Figure 1) in accordance with the June 2009 RCRA Facility Investigation (RFI) Supplemental Investigation Workplan proposal for wetland sediment sampling that was approved by the New York State Department of Environmental Conservation (NYSDEC) on July 10, 2009.

BACKGROUND AND PROJECT UNDERSTANDING

Kleinfelder submitted an RFI Report to the NYSDEC on April 15, 2009, which included the investigation of the stormwater system. As part of the RFI, sediment samples were collected from the streambed at the stormwater outfall location (Figure 1) at 10 feet, 20 feet, and 30 feet downstream from the outfall. At each sampling distance samples were collected from discrete intervals of 0 to 0.5 feet and 1 to 1.5 feet below the stream bed. Sediment samples were analyzed for STARS Volatile Organic Compounds (VOCs), STARS Semi-volatile Organic Compounds (SVOCs), PCBs, Target Analyte List (TAL) Metals, Cyanide, and Total Organic Carbon (TOC).

Site Specific Sediment Screening Criteria (SSSC) for Wildlife Bioaccumulation (most protective) Protection Level were calculated for PCBs following the NYSDEC Technical Guidance for Screening Contaminated Sediments using TOC concentrations. Based on conversations with Mr. Tim Sinnott of the NYSDEC Division of Fish, Wildlife, and Marine Resources (DFWMR), the Wildlife Bioaccumulation Protection Level was the most appropriate level to use for the type of wetland the outfall discharged into. Analytical results were compared to the calculated screening criteria and indicated that PCB concentrations in all outfall sample locations exceeded the SSSC for PCBs.

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PCB concentrations from outfall samples collected during the April 2009 RFI ranged from 480 to 12,000 ug/kg versus a maximum SSSC for PCB (based on maximum TOC) of 57.4 ug/kg.

SVOCs detected in outfall sediment samples during the April 2009 RFI were polyaromatic hydrocarbons (PAHs). Based on verbal information from Mr. Sinnott of the NYSDEC DFWMR during preparation of the April 2009 RFI Report, new guidance was being proposed for PAHs. Instead of SSSCs for individual PAHs, a criterion for Total PAHs was being established. As per the NYSDEC DFWMR, sediment with less than 4,000 ug/kg total PAH were considered to be non-toxic, sediment with 4,000 to 10,000 ug/kg total PAH were considered to be tolerable for organisms and wildlife, and sediment with total PAHs greater than 10,000 ug/kg were considered to be toxic with potential remediation required as a remedy. Analytical results from sediment samples collected from the outfall locations indicated that total PAHs exceeded the 10,000 ug/kg limit in all locations. Total PAH concentrations ranged from 23,110 to 122,800 ug/kg.

Based on the PCB and PAH concentrations detected in the sediment samples, an investigation to determine the horizontal and vertical extent of PCB and PAH contamination in the wetland was recommended by Kleinfelder in the April 2009 RFI Report and approved by the NYSDEC on May 19, 2009. Subsequently, a Supplemental Investigation Workplan detailing additional sampling at 12 locations in the wetland, with 3 depth intervals each (initial phase), was prepared by Kleinfelder and submitted by CHGE. This workplan was approved by the NYSDEC on July 10, 2009.

METHODOLOGY

Wetland sediment sampling was conducted in 2 phases during this Supplemental RFI investigation. During both phases of sampling, transects were established on a grid system in the wetland by manually measuring the distance along the center channel from the outfall at South Street and staking channel points using a 100-foot tape measure. Sample locations to the north and south of the channel point on each transect were manually measured from the channel point using the tape-measure. All sample locations are marked with 8-foot PVC pipe labeled as SP-1 through SP-29. The gridded sampling locations are shown in Figure 2. Since the sampling was performed in two sampling efforts, only the first sampling set is in consecutive numbers.

At each sample location, three sediment samples were collected at depths of 0-6 inches, 6-12 inches, and 18-24 inches and referenced as A, B, and C, respectfully. A Dutch auger was used to extract the sediment at each location and depth. Each sample was placed in a lab-supplied 8-oz. glass bottle and shipped on ice to TestAmerica in Shelton, Connecticut, a New York State certified laboratory (NYSDOH ELAP Certification #0602). The auger was decontaminated between each sample with alconox wash and a potable water rinse.

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Initially, the 25-foot, 50-foot, 100-foot, and 200-foot transects were established with three sample locations per transect with ten feet horizontally between the north and south sample locations along each transect (SP-1 through SP-12) (Figure 2).

After receiving analytical results from samples collected during the initial phase, it was realized that the sampling grid would need to be expanded to the west, south, and north. During the second phase, the 300-foot, 400-foot, and 500-foot transects were established in a north/south direction with 25 feet between sample locations along each transect (SP-21 through SP-29) (Figure 2). Additional sampling locations were also added 50 feet from the stream channel to the north and south along the 25-foot, 50-foot, 100-foot, and 200-foot transects (SP-13 through SP-20) (Figure 2) to expand the extent of these transects.

RESULTS AND FINDINGS

The investigation of the wetland has proceeded in a step-wise fashion based on results of sampling. Samples SP-1 through SP-12 in the 25-foot, 50-foot, 100-foot and 200-foot transects were collected during the initial phase of sampling on October 6, 2009. Additional sampling (second phase) was conducted on November 6, 2009 to expand the extent of the investigation. Analytical data are summarized in Table 1. The laboratory data package is included as Appendix A.

Using the NYSDEC Technical Guidance for Screening Contaminated Sediments, TOC concentrations from each sample were used to calculate the sample-specific PCB SSSC for Wildlife Bioaccumulation. Since the SSSC calculation is driven by the TOC concentration, the higher the TOC concentration, the higher the SSSC for PCBs. These sample-specific PCB SSSCs for Wildlife Bioaccumulation are included on Table 1.

PCB concentrations in samples collected from SP-1 through SP-12 ranged from an estimated (J) concentration of 4.3 ug/kg in SP-6C to 8,600 ug/kg in SP-4A. Of the 36 total samples collected from SP-1 through SP-12, only SP-6C, SP-7C, and SP-9C were below the PCB SSSC for Wildlife Bioaccumulation based on sample-specific SSSCs (Table 1).

PAHs were also detected in samples collected from SP-1 through SP-12. Concentrations of individual compounds were summed together for a Total PAH concentration, which was then compared to the NYSDEC proposed screening criteria for Total PAHs of: less than 4,000 ug/kg requires no remediation; 4,000 to 10,000 ug/kg may or may not require remediation; greater than 10,000 ug/kg. Total PAH concentrations ranged from non-detect in SP-6B and SP-7B to 202,190 ug/kg in SP-5A. Based on the proposed Total PAH screening criteria, 17 of the 36 samples exceeded the 10,000 ug/kg criteria and 1 sample (SP-7A at 7,780 ug/kg) fell in the 4,000 to 10,000 ug/kg range. Total PAH concentrations were below 4,000 ug/kg in 11 samples. Since to Total PAH concentrations were below 4,000 ug/kg in shallower depth intervals at the respective sampling location, SP-3C, SP-4C, SP-6C, SP-7C, SP-9C, SP-10C, and SP-12C were not analyzed for PAHs.

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Horizontal and vertical extent of PCB and PAH exceedances of the screening criteria for samples SP-1 through SP-12 were evaluated for any apparent trends. PCB and Total PAH concentrations were highest and deepest in the center channel sampling locations (SP-2, SP-5, SP-8, and SP-11) (Table 3, Figures 3 and 4). PCB exceedances of the screening criteria were present to the south and north of the center channel, but at lesser concentrations (Figure 3). Total PAH exceedances of the screening criteria to the north and south of the center channel were limited to the 0-6 inch sampling interval (Figure 4).

Based on the results of the initial phase of sediment sampling, a second phase of sediment sampling was completed on November 6, 2009, which expanded the sampling area to the west, north and south and included the collection of samples from sample locations SP-13 through SP-29. A total of 51 samples were collected during the second phase of the investigation. Analytical data from the second phase of sampling are summarized in Table 1. The data packages are included in Appendix A.

As with the initial phase of sediment sampling, TOC concentrations from each sample were used to calculate a sample-specific PCB SCCC for Wildlife Bioaccumulation. These sample-specific PCB SCCCs for Wildlife Bioaccumulation are included on Table 1.

PCB concentrations from samples collected from SP-13 through SP-29 ranged from non-detect in several locations to 5,300 ug/kg in SP-28C (Table 1). Of the 51 total samples, PCBs were not detected in 13 samples, 19 samples had concentrations of PCBs below their respective SCCC, and 19 exceeded the PCB SSSC for Wildlife Bioaccumulation based on sample-specific SSSCs.

PAHs were also detected in the second phase of sampling (SP-13 through SP-29). Concentrations of individual compounds were summed together for a Total PAH concentration, which was then compared to the NYSDEC proposed screening criteria for Total PAHs. It should be noted that the initial PAH analysis of samples from the 300-foot (SP-21, SP-22, and SP-23) and 500-foot (SP-27, SP-28, and SP-29) transects had an associated lab control sample (LCS) exceedance of the control limits. An investigation by the laboratory (TestAmerica) into the cause of the LCS problem found that the LCS result was below the lower control limit. Since instrument calibration data were correct and a matrix spike/matrix spike duplicate (MS/MSD) run using the same standard as the LCS were within limits, it indicates that the LCS exceedance was due to a problem with the LCS sample itself and was not a problem with the instrumentation or calibration. Therefore, PAH concentrations reported for SP-21, SP-22, SP-23, SP-27, SP-28, and SP-29 appear to be valid. As per lab protocol, however, the samples were re-extracted and re-run. The second analysis was completed beyond the hold-time of the samples. PAH data from the 300-foot and 500-foot transects for both analytical runs are presented in Table 4.

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Total PAH concentrations during the second phase of wetland sampling ranged from non-detect in a number of samples to 27,317 ug/kg in SP-25B (Table 1). Based on the proposed Total PAH screening criteria, 9 of the 51 samples exceeded the 10,000 ug/kg criteria and 3 samples (SP-24A, SP-25C, and SP-27A) fell in the 4,000 to 10,000 ug/kg range. Total PAH concentrations were below 4,000 ug/kg in 39 samples.

Horizontal and vertical extent of PCB and PAH exceedances of the screening criteria for all samples were evaluated for any apparent trends. PCB and Total PAH concentrations continued to be highest and deepest in the center channel sampling locations (SP-2, SP-5, SP-8, SP-11, SP-22, SP-25, and SP-28) (Table 3, Figures 3 and 4). However, a definite northern boundary for PCB exceedances of the SSSC has been delineated between the two northern-most points on all transects (Figure 3). A definite boundary for PCB exceedances can also be delineated along the south side of the grid at the 25-foot, 50-foot, and 100-foot transects between the 2 southern-most sample locations on each of these 3 transects (Figure 3). Additionally, the southern-most sampling location on the 200-foot transect (SP-20) only had an exceedance of the PCB SSSC in the shallowest interval (58 ug/kg). Overall, the western extent of PCB contamination has not been delineated. PCB concentrations detected along the center channel do not exhibit any decreasing/increasing pattern with distance from the outfall or with depth. This will require additional sampling to the west and southwest as well as at depth in the stream channel.

A definite boundary of Total PAH exceedances of the screening criteria (10,000 ug/kg) could also be drawn to the north and south of the center channel (Table 3 and Figure 4). Additionally, vertical delineation of Total PAH exceedances was also determined at all locations, except those in the center channel (Table 3 and Figure 4).

RECOMMENDATIONS

PCB concentrations in exceedance of the SSSC for Wildlife Bioaccumulation extend to the 500-foot transect. The horizontal extent of PCB exceedances, as shown on Figure 3 and Table 3, indicate that the northern boundary and a portion of the southern boundary of contamination have been delineated. PCB concentrations appear to be highest and deepest in the center channel.

As with PCBs, Total PAH concentrations also appear to be highest and deepest in the center channel. Total PAH concentrations in exceedance of the proposed 10,000 ug/kg limit extend along the center channel to the 500-foot transect. The horizontal extent of Total PAH exceedances, as shown on Figure 4 and Table 3, is mostly confined to the center channel.

Based on the current data, additional sampling to the west and southwest to delineate the western and southwestern edge of contaminant migration will be required. To sample further west along the main channel will necessitate sampling offsite. Therefore, CHGE will need to coordinate with adjacent property owner(s) to investigate beyond CHGE's property. Additionally, further vertical delineation needs to be

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conducted along the center channel to determine the vertical limit of exceedances of PCBs and PAHs.

Please feel free to contact us at (845) 567-6530 with any questions.

Sincerely,
Kleinfelder East, Inc.

Julia G. Craner
Hydrogeologist/Environmental Scientist

David B. Tompkins, PWS, CWB
Vice President
Environmental Permitting & Planning

cc: File

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Tables

Table 1
Wetland Sediment Data
Supplemental RFI Investigation

Central Hudson Gas Electric
Eltings Corners Facility,
Town of Lloyd, New York

Transect Distance West From Outfall			25-Foot Transect																					
Sample ID	**Site Specific Sediment**	**Site Specific Sediment**	**SP-17A**		**SP-17B**		**SP-17C**		**SP-1A**		**SP-1B**		**SP-1C**		**SP-2A**	
Lab Sample Number	**Screening Criteria**	**Screening Criteria**	**220-10653-13**		**220-10653-14**		**220-10653-15**		**220-10338-1**		**220-10338-2**		**220-10338-3**		**220-10338-4**	
Sampling Date			**11/6/2009 11:45:00 AM**		**11/6/2009 11:47:00 AM**		**11/6/2009 11:49:00 AM**		**10/6/2009 1:43:00 PM**		**10/6/2009 1:46:00 PM**		**10/6/2009 1:48:00 PM**		**10/6/2009 1:51:00 PM**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**		**1**		**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
			Low		**Low**		**Low**		**Low**		**Low**		**Low**		**Low**	
GC/MS Semi VOA - 8270C (ug/kg)	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)**	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maixmum TOC concentration) (ug/kg)**														
Naphthalene	119.1	2052.0	420	U	340	U	350	U	26	J	330	U	330	U	220	J
2-Methylnaphthalene			420	U	340	U	350	U	23	J	330	U	330	U	120	J
Acenaphthylene			420	U	340	U	350	U	77	J	330	U	330	U	360	U
Acenaphthene	555.8	9576.0	420	U	340	U	350	U	130	J	330	U	330	U	500	
Fluorene	31.8	547.2	420	U	340	U	350	U	190	J	330	U	330	U	500	
Phenanthrene	476.0	8208.0	420	U	340	U	350	U	2200		130	J	31	J	3400	
Anthracene	424.8	7318.8	420	U	340	U	350	U	490		24	J	330	U	1000	
Fluoranthene	404.9	6976.8	420	U	340	U	350	U	3900		320	J	62	J	3600	
Pyrene	3815.2	65732.0	420	U	340	U	350	U	3900		270	J	57	J	5100	
Benzo[a]anthracene	47.6	820.8	420	U	340	U	350	U	2000		150	J	32	J	2000	
Chrysene			420	U	340	U	350	U	2200		180	J	38	J	2000	
Benzo[b]fluoranthene			420	U	340	U	350	U	2400		260	J	31	J	2200	
Benzo[k]fluoranthene			420	U	340	U	350	U	1100		83	J	330	U	1100	
Benzo[a]pyrene			420	U	340	U	350	U	2200		180	J	29	J	2000	
Indeno[1,2,3-cd]pyrene			420	U	340	U	350	U	1800		88	J	330	U	1300	
Dibenz(a,h)anthracene			420	U	340	U	350	U	520		330	U	330	U	230	J
Benzo[g,h,i]perylene			420	U	340	U	350	U	1600		85	J	330	U	1200	
Total PAHs		4,000-10,000	0		0		0		**24,756**		1,770		280		**26,470**	
GC Semi VOA - 8082 (ug/kg)		**SSSC for Wildlife Bioaccumulation (ug/kg)**														
PCB-1016		Sample Dependent	26	U	22	U	22	U	210	U	210	U	100	U	110	U
PCB-1221		Sample Dependent	26	U	22	U	22	U	210	U	210	U	100	U	110	U
PCB-1232		Sample Dependent	26	U	22	U	22	U	210	U	210	U	100	U	110	U
PCB-1242		Sample Dependent	26	U	22	U	22	U	210	U	210	U	100	U	110	U
PCB-1248		Sample Dependent	26	U	22	U	22	U	210	U	210	U	100	U	110	U
PCB-1254		Sample Dependent	26	U	22	U	22	U	210	U	210	U	100	U	110	U
PCB-1260		Sample Dependent	7.3	J	2.7	J	22	U	**2100**		**2800**		**1100**		**940**	
Total PCBs		Sample Dependent	7.3	J	2.7	J	0		**2100**		**2800**		**1100**		**940**	
Sample Specific PCB Screening Criteria for Wildlife Bioaccumulation (SC) based on Sample Specific TOC[1]			30.1		13.4		9.2		36.1		7.5		5.6		45.4	
General Chemistry																
Percent Moisture - %			35.2		21.3		23.9		21.9		20.0		19.3		25.1	
Percent Solids - %			64.8		78.7		76.1		78.1		80.0		80.7		74.9	
Total Organic Carbon - mg/Kg			21500		9570		6580		25800		5370		3970		32400	

: Total PAH concentration is between 4,000 and 10,000 ug/kg. Location may require remediation. Sample-specific SSSCs were calculated for the sample using sample-specific TOC.
: For PCBs the concentration exceeded the SSSC developed using the maximum TOC concentration.
: For PAHs, concentration exceeded 10,000 ug/kg.

QUALIFIERS

NA: Not analyzed.
*: LCS/LCSD exceeds the control limit
p: The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U: Analyzed for but not detected.
H: Sample was prepped or analyzed beyond the specified holding time
B: The analyte was found in an associated blank, as well as in the sample.
J: Indicates an estimated value.

1: Calculating Site (Sample) Specific PCB Screening Criteria
Based on TOC Concentrations:
from: NYSDEC Division of Fish, Wildlife & Marine Resources
Technical Guidance for Screening Contaminated Sediments
SC = SCoc * foc
SC = site specific sediment screening criteria
SCoc = normalized sediment screening criteria (Table 1 in NYSDEC Technical Guidance for Screening Contaminated Sediments)
foc = organic carbon content of soil = total organic carbon concentration

Table 1
Wetland Sediment Data
Supplemental RFI Investigation

Central Hudson Gas Electric
Eltings Corners Facility,
Town of Lloyd, New York

Transect Distance West From Outfall																
Sample ID	**Site Specific Sediment**	**Site Specific Sediment**	**SP-2B**		**SP-2C**		**SP-3A**		**SP-3B**		**SP-3C**		**SP-13A**		**SP-13B**	
Lab Sample Number	**Screening Criteria**	**Screening Criteria**	**220-10338-5**		**220-10338-6**		**220-10338-7**		**220-10338-8**		**220-10338-9**		**220-10653-1**		**220-10653-2**	
Sampling Date			**10/6/2009 1:54:00 PM**		**10/6/2009 1:56:00 PM**		**10/6/2009 1:03:00 PM**		**10/6/2009 1:10:00 PM**		**10/6/2009 1:26:00 PM**		**11/6/2009 10:47:00 AM**		**11/6/2009 10:49:00 AM**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**		**1**		**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
			Low		**Low**		**Low**		**Low**		**Low**		**Low**		**Low**	
GC/MS Semi VOA - 8270C (ug/kg)	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)**	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maiximum TOC concentration) (ug/kg)**														
Naphthalene	119.1	2052.0	340	U	54	J	52	J	400	U	NA		510	U	340	U
2-Methylnaphthalene			22	J	36	J B	47	J	400	U	NA		510	U	340	U
Acenaphthylene			340	U	56	J	55	J	400	U	NA		510	U	340	U
Acenaphthene	555.8	9576.0	50	J	84	J	120	J	400	U	NA		510	U	340	U
Fluorene	31.8	547.2	56	J	110	J	120	J	400	U	NA		510	U	340	U
Phenanthrene	476.0	8208.0	270	J	960		1500		70	J	NA		29	J	340	U
Anthracene	424.8	7318.8	65	J	230	J	330	J	400	U	NA		510	U	340	U
Fluoranthene	404.9	6976.8	530		1900		3100		160	J	NA		64	J	340	U
Pyrene	3815.2	65732.0	580		2700		3500		140	J	NA		49	J	340	U
Benzo[a]anthracene	47.6	820.8	220	J	1000		1600		63	J	NA		510	U	340	U
Chrysene			240	J	1400		1700		94	J	NA		510	U	340	U
Benzo[b]fluoranthene			250	J	1500		1900		140	J	NA		50	J	340	U
Benzo[k]fluoranthene			81	J	570		760		44	J	NA		510	U	340	U
Benzo[a]pyrene			200	J	1200		1700		88	J	NA		44	J	340	U
Indeno[1,2,3-cd]pyrene			390		750		1700		400	U	NA		510	U	340	U
Dibenz(a,h)anthracene			340	U	180	J	690		400	U	NA		510	U	340	U
Benzo[g,h,i]perylene			380		740		1600		55	J	NA		510	U	340	U
Total PAHs		4,000-10,000	3,334		**13,434**		**20,474**		854		NA		236		0	
GC Semi VOA - 8082 (ug/kg)		**SSSC for Wildlife Bioaccumulation (ug/kg)**														
PCB-1016		Sample Dependent	210	U	230	U	780	U	25	U	26	U	31	U	22	U
PCB-1221		Sample Dependent	210	U	230	U	780	U	25	U	26	U	31	U	22	U
PCB-1232		Sample Dependent	210	U	230	U	780	U	25	U	26	U	31	U	22	U
PCB-1242		Sample Dependent	210	U	230	U	780	U	25	U	26	U	31	U	22	U
PCB-1248		Sample Dependent	210	U	**310**		780	U	25	U	26	U	31	U	22	U
PCB-1254		Sample Dependent	210	U	230	U	780	U	25	U	26	U	31	U	22	U
PCB-1260		Sample Dependent	**2000**		**2300**		**6200**		**270**		**87**		26	J	22	U
Total PCBs		Sample Dependent	**2000**		**2610**		**6200**		**270**		**87**		26	J	0	
Sample Specific PCB Screening Criteria for Wildlife Bioaccumulation (SC) based on Sample Specific TOC[1]			41.9		22.5		74.6		30.0		22.7		57.8		5.6	
General Chemistry																
Percent Moisture - %			21.8		26.3		57.0		34.4		36.2		47.2		21.4	
Percent Solids - %			78.2		73.7		43.0		65.6		63.8		52.8		78.6	
Total Organic Carbon - mg/Kg			29900		16100		53300		21400		16200		41300		4020	

: Total PAH concentration is between 4,000 and 10,(
: For PCBs the concentration exceeded the SSSC d
: For PAHs, concentration exceeded 10,000 ug/kg.

QUALIFIERS
NA: Not analyzed.
*: LCS/LCSD exceeds the control limit
p: The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
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1: Calculating Site (Sample) Specific PCB Screening Criteria
Based on TOC Concentrations:
from: NYSDEC Division of Fish, Wildlife & Marine Resources
Technical Guidance for Screening Contaminated Sediments
SC = SCoc * foc
SC = site specific sediment screening criteria
SCoc = normalized sediment screening criteria (Table 1 in NYSDEC Technical Guidance for Screening Contaminated Sediments)
foc = organic carbon content of soil = total organic carbon concentration

Table 1
Wetland Sediment Data
Supplemental RFI Investigation

Central Hudson Gas Electric
Eltings Corners Facility,
Town of Lloyd, New York

Transect Distance West From Outfall					50-Foot Transect											
Sample ID	**Site Specific Sediment**	**Site Specific Sediment**	**SP-13C**		**SP-18A**		**SP-18B**		**SP-18C**		**SP-4A**		**SP-4B**		**SP-4C**	
Lab Sample Number	**Screening Criteria**	**Screening Criteria**	**220-10653-3**		**220-10653-16**		**220-10653-17**		**220-10653-18**		**220-10338-10**		**220-10338-11**		**220-10338-12**	
Sampling Date			**11/6/2009 10:51:00 AM**		**11/6/2009 11:55:00 AM**		**11/6/2009 11:57:00 AM**		**11/6/2009 11:59:00 AM**		**10/6/2009 2:24:00 PM**		**10/6/2009 2:27:00 PM**		**10/6/2009 2:32:00 PM**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**		**1**		**2**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
			Low		**Low**		**Low**		**Low**		**Low**		**Low**		**Low**	
GC/MS Semi VOA - 8270C (ug/kg)	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)**	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maiximum TOC concentration) (ug/kg)**														
Naphthalene	119.1	2052.0	340	U	380	U	330	U	340	U	770	U	340	U	NA	
2-Methylnaphthalene			340	U	380	U	330	U	340	U	52	J	340	U	NA	
Acenaphthylene			340	U	380	U	330	U	340	U	110	J	340	U	NA	
Acenaphthene	555.8	9576.0	340	U	380	U	330	U	340	U	610	J	340	U	NA	
Fluorene	31.8	547.2	340	U	380	U	330	U	340	U	730	J	340	U	NA	
Phenanthrene	476.0	8208.0	340	U	380	U	330	U	340	U	5100		340	U	NA	
Anthracene	424.8	7318.8	340	U	380	U	330	U	340	U	1100		340	U	NA	
Fluoranthene	404.9	6976.8	340	U	44	J	330	U	340	U	8000		25	J	NA	
Pyrene	3815.2	65732.0	340	U	38	J	330	U	340	U	10000		20	J	NA	
Benzo[a]anthracene	47.6	820.8	340	U	380	U	330	U	340	U	4400		340	U	NA	
Chrysene			340	U	380	U	330	U	340	U	4600		340	U	NA	
Benzo[b]fluoranthene			340	U	32	J	330	U	340	U	4500		19	J	NA	
Benzo[k]fluoranthene			340	U	380	U	330	U	340	U	2000		340	U	NA	
Benzo[a]pyrene			340	U	380	U	330	U	340	U	4600		12	J	NA	
Indeno[1,2,3-cd]pyrene			340	U	380	U	330	U	340	U	3900		340	U	NA	
Dibenz(a,h)anthracene			340	U	380	U	330	U	340	U	1200		340	U	NA	
Benzo[g,h,i]perylene			340	U	380	U	330	U	340	U	3400		340	U	NA	
Total PAHs		4,000-10,000	0		114		0		0		**54,302**		76		NA	
GC Semi VOA - 8082 (ug/kg)		**SSSC for Wildlife Bioaccumulation (ug/kg)**														
PCB-1016		Sample Dependent	21	U	24	U	21	U	21	U	1200	U	43	U	21	U
PCB-1221		Sample Dependent	21	U	24	U	21	U	21	U	1200	U	43	U	21	U
PCB-1232		Sample Dependent	21	U	24	U	21	U	21	U	1200	U	43	U	21	U
PCB-1242		Sample Dependent	21	U	24	U	21	U	21	U	1200	U	43	U	21	U
PCB-1248		Sample Dependent	21	U	24	U	21	U	21	U	1200	U	43	U	21	U
PCB-1254		Sample Dependent	21	U	24	U	21	U	21	U	1200	U	43	U	21	U
PCB-1260		Sample Dependent	21	U	17	J	21	U	21	U	**8600**		**300**		**240**	
Total PCBs		Sample Dependent	0		17	J	0		0		**8600**		**300**		**240**	
Sample Specific PCB Screening Criteria for Wildlife Bioaccumulation (SC) based on Sample Specific TOC[1]			15.0		26.5		6.9		6.1		48.6		8.8		7.0	
General Chemistry																
Percent Moisture - %			20.9		28.9		19.1		20.5		30.7		22.3		20.1	
Percent Solids - %			79.1		71.1		80.9		79.5		69.3		77.7		79.9	
Total Organic Carbon - mg/Kg			10700		18900		4910		4370		34700		6270		5010	

: Total PAH concentration is between 4,000 and 10,
: For PCBs the concentration exceeded the SSSC d
: For PAHs, concentration exceeded 10,000 ug/kg.

QUALIFIERS
NA: Not analyzed.
*: LCS/LCSD exceeds the control limit
p: The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U: Analyzed for but not detected.
H: Sample was prepped or analyzed beyond the specified holding time
B: The analyte was found in an associated blank, as well as in the sample.
J: Indicates an estimated value.

1: Calculating Site (Sample) Specific PCB Screening Criteria
Based on TOC Concentrations:
from: NYSDEC Division of Fish, Wildlife & Marine Resources
Technical Guidance for Screening Contaminated Sediments
SC = SCoc * foc
SC = site specific sediment screening criteria
SCoc = normalized sediment screening criteria (Table 1 in NYSDEC Technical Guidance for Screening Contaminated Sediments)
foc = organic carbon content of soil = total organic carbon concentration

Table 1
Wetland Sediment Data
Supplemental RFI Investigation

Central Hudson Gas Electric
Eltings Corners Facility,
Town of Lloyd, New York

Transect Distance West From Outfall									
Sample ID	**Site Specific Sediment**	**Site Specific Sediment**	**SP-5A**	**SP-5B**	**SP-5C**	**SP-6A**	**SP-6B**	**SP-6C**	**SP-14A**
Lab Sample Number	**Screening Criteria**	**Screening Criteria**	**220-10338-13**	**220-10338-14**	**220-10338-15**	**220-10338-16**	**220-10338-17**	**220-10338-18**	**220-10653-4**
Sampling Date			**10/6/2009 2:15:00 PM**	**10/6/2009 2:18:00 PM**	**10/6/2009 2:21:00 PM**	**10/6/2009 2:02:00 PM**	**10/6/2009 2:05:00 PM**	**10/6/2009 2:10:00 PM**	**11/6/2009 10:55:00 AM**
Matrix			**Solid**	**Solid**	**Solid**	**Solid**	**Solid**	**Solid**	**Solid**
Dilution Factor			**10**	**2**	**4**	**1**	**1**	**1**	**1**
Units			**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**	**ug/Kg**
			Low	**Low**	**Low**	**Low**	**Low**	**Low**	**Low**
GC/MS Semi VOA - 8270C (ug/kg)	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)**	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maiximum TOC concentration) (ug/kg)**							
Naphthalene	119.1	2052.0	740 J	940 U	150 J	110 J	350 U	NA	500 U
2-Methylnaphthalene			350 J	96 J	81 J B	79 J	350 U	NA	500 U
Acenaphthylene			4700 U	940 U	210 J	110 J	350 U	NA	500 U
Acenaphthene	555.8	9576.0	2000 J	450 J	700 J	280 J	350 U	NA	500 U
Fluorene	31.8	547.2	2000 J	510 J	950 J	260 J	350 U	NA	500 U
Phenanthrene	476.0	8208.0	20000	4200	3900	3500	350 U	NA	49 J
Anthracene	424.8	7318.8	4200 J	910 J	1000 J	630 J	350 U	NA	500 U
Fluoranthene	404.9	6976.8	30000	7300	11000	6600	350 U	NA	140 J
Pyrene	3815.2	65732.0	36000	9300	12000	10000	350 U	NA	91 J
Benzo[a]anthracene	47.6	820.8	16000	3800	4600	3400	350 U	NA	33 J
Chrysene			17000	4600	5200	4100	350 U	NA	60 J
Benzo[b]fluoranthene			16000	5500	6400	5100	350 U	NA	66 J
Benzo[k]fluoranthene			7100	2400	2500	1700	350 U	NA	500 U
Benzo[a]pyrene			16000	4300	5100	4200	350 U	NA	46 J
Indeno[1,2,3-cd]pyrene			15000	3200	6100	4400	350 U	NA	500 U
Dibenz(a,h)anthracene			5800	670 J	1300 J	930	350 U	NA	500 U
Benzo[g,h,i]perylene			14000	3000	5300	4700	350 U	NA	500 U
Total PAHs		4,000-10,000	**202,190**	**50,236**	**66,410**	**50,099**	0	NA	485
GC Semi VOA - 8082 (ug/kg)		**SSSC for Wildlife Bioaccumulation (ug/kg)**							
PCB-1016		Sample Dependent	59 U	300 U	230 U	84 U	22 U	20 U	31 U
PCB-1221		Sample Dependent	59 U	300 U	230 U	84 U	22 U	20 U	31 U
PCB-1232		Sample Dependent	59 U	300 U	230 U	84 U	22 U	20 U	31 U
PCB-1242		Sample Dependent	59 U	300 U	230 U	84 U	22 U	20 U	31 U
PCB-1248		Sample Dependent	59 U	300 U	230 U	84 U	22 U	20 U	31 U
PCB-1254		Sample Dependent	59 U	300 U	230 U	84 U	22 U	20 U	31 U
PCB-1260		Sample Dependent	**530**	**4700**	**3600**	**890**	**23**	4.3 J	33
Total PCBs		Sample Dependent	**530**	**4700**	**3600**	**890**	**23**	4.3 J	33
Sample Specific PCB Screening Criteria for Wildlife Bioaccumulation (SC) based on Sample Specific TOC[1]			58.9	48.6	52.5	95.8	18.3	5.9	44.8
General Chemistry									
Percent Moisture - %			42.8	43.2	28.2	60.6	24.2	18.0	45.9
Percent Solids - %			57.2	56.8	71.8	39.4	75.8	82.0	54.1
Total Organic Carbon - mg/Kg			42100	34700	37500	68400	13100	4210	32000

: Total PAH concentration is between 4,000 and 10,
: For PCBs the concentration exceeded the SSSC d
: For PAHs, concentration exceeded 10,000 ug/kg.

QUALIFIERS
NA: Not analyzed.
*: LCS/LCSD exceeds the control limit
p: The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U: Analyzed for but not detected.
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Based on TOC Concentrations:
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SC = SCoc * foc
SC = site specific sediment screening criteria
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foc = organic carbon content of soil = total organic carbon concentration

Table 1
Wetland Sediment Data
Supplemental RFI Investigation

Central Hudson Gas Electric
Eltings Corners Facility,
Town of Lloyd, New York

Transect Distance West From Outfall							**100-Foot Transect**									
Sample ID	**Site Specific Sediment**	**Site Specific Sediment**	**SP-14B**		**SP-14C**		**SP-19A**		**SP-19B**		**SP-19C**		**SP-7A**		**SP-7B**	
Lab Sample Number	**Screening Criteria**	**Screening Criteria**	**220-10653-5**		**220-10653-6**		**220-10653-19**		**220-10653-20**		**220-10653-21**		**220-10338-19**		**220-10338-20**	
Sampling Date			**11/6/2009 10:58:00 AM**		**11/6/2009 10:59:00 AM**		**11/6/2009 12:10:00 PM**		**11/6/2009 12:12:00 PM**		**11/6/2009 12:31:00 PM**		**10/6/2009 3:00:00 PM**		**10/6/2009 3:03:00 PM**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**		**1**		**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
			Low		**Low**		**Low**		**Low**		**Low**		**Low**		**Low**	
GC/MS Semi VOA - 8270C (ug/kg)	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)**	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maiximum TOC concentration) (ug/kg)**														
Naphthalene	119.1	2052.0	390	U	340	U	410	U	380	U	360	U	49	J	340	U
2-Methylnaphthalene			390	U	340	U	410	U	380	U	360	U	35	J	340	U
Acenaphthylene			390	U	340	U	410	U	380	U	360	U	160	J	340	U
Acenaphthene	555.8	9576.0	390	U	340	U	410	U	380	U	360	U	25	J	340	U
Fluorene	31.8	547.2	390	U	340	U	410	U	380	U	360	U	41	J	340	U
Phenanthrene	476.0	8208.0	390	U	340	U	410	U	380	U	360	U	510		340	U
Anthracene	424.8	7318.8	390	U	340	U	410	U	380	U	360	U	110	J	340	U
Fluoranthene	404.9	6976.8	23	J	340	U	63	J	380	U	360	U	970		340	U
Pyrene	3815.2	65732.0	19	J	340	U	49	J	380	U	360	U	1500		340	U
Benzo[a]anthracene	47.6	820.8	390	U	340	U	410	U	380	U	360	U	400		340	U
Chrysene			390	U	340	U	410	U	380	U	360	U	670		340	U
Benzo[b]fluoranthene			18	J	340	U	41	J	380	U	360	U	620		340	U
Benzo[k]fluoranthene			390	U	340	U	410	U	380	U	360	U	250	J	340	U
Benzo[a]pyrene			20	J	340	U	410	U	380	U	360	U	620		340	U
Indeno[1,2,3-cd]pyrene			390	U	340	U	410	U	380	U	360	U	740		340	U
Dibenz(a,h)anthracene			390	U	340	U	410	U	380	U	360	U	350	J	340	U
Benzo[g,h,i]perylene			390	U	340	U	410	U	380	U	360	U	730		340	U
Total PAHs		4,000-10,000	80		0		153		0		0		**7,780**		0	
GC Semi VOA - 8082 (ug/kg)		**SSSC for Wildlife Bioaccumulation (ug/kg)**														
PCB-1016		Sample Dependent	24	U	21	U	26	U	23	U	23	U	120	U	22	U
PCB-1221		Sample Dependent	24	U	21	U	26	U	23	U	23	U	120	U	22	U
PCB-1232		Sample Dependent	24	U	21	U	26	U	23	U	23	U	120	U	22	U
PCB-1242		Sample Dependent	24	U	21	U	26	U	23	U	23	U	120	U	22	U
PCB-1248		Sample Dependent	24	U	21	U	26	U	23	U	23	U	120	U	22	U
PCB-1254		Sample Dependent	24	U	21	U	26	U	23	U	23	U	120	U	22	U
PCB-1260		Sample Dependent	4.5	J	21	U	9.0	J	4.8	J	23	U	**900**		**74**	
Total PCBs		Sample Dependent	4.5	J	0		9.0	J	4.8	J	0		**900**		**74**	
Sample Specific PCB Screening Criteria for Wildlife Bioaccumulation (SC) based on Sample Specific TOC[1]			8.5		8.7		35.3		26.7		10.4		22.7		7.4	
General Chemistry																
Percent Moisture - %			30.7		19.6		35.1		28.8		25.4		30.0		23.8	
Percent Solids - %			69.3		80.4		64.9		71.2		74.6		70.0		76.2	
Total Organic Carbon - mg/Kg			6060		6230		25200		19100		7450		16200		5290	

: Total PAH concentration is between 4,000 and 10,
: For PCBs the concentration exceeded the SSSC d
: For PAHs, concentration exceeded 10,000 ug/kg.

QUALIFIERS

NA: Not analyzed.

*: LCS/LCSD exceeds the control limit

p: The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

U: Analyzed for but not detected.

H: Sample was prepped or analyzed beyond the specified holding time

B: The analyte was found in an associated blank, as well as in the sample.

J: Indicates an estimated value.

1: Calculating Site (Sample) Specific PCB Screening Criteria
Based on TOC Concentrations:
from: NYSDEC Division of Fish, Wildlife & Marine Resources
Technical Guidance for Screening Contaminated Sediments

SC = SCoc * foc

SC = site specific sediment screening criteria

SCoc = normalized sediment screening criteria (Table 1 in NYSDEC Technical Guidance for Screening Contaminated Sediments)

foc = organic carbon content of soil = total organic carbon concentration

Table 1
Wetland Sediment Data
Supplemental RFI Investigation

Central Hudson Gas Electric
Eltings Corners Facility,
Town of Lloyd, New York

Transect Distance West From Outfall																								
Sample ID	**Site Specific Sediment**	**Site Specific Sediment**	**SP-7C**		**SP-8A**		**SP-8B**		**SP-8C**		**SP-9A**		**SP-9B**		**SP-9C**	
Lab Sample Number	**Screening Criteria**	**Screening Criteria**	**220-10338-21**		**220-10338-22**		**220-10338-23**		**220-10338-24**		**220-10338-25**		**220-10338-26**		**220-10338-27**	
Sampling Date			**10/6/2009 3:08:00 PM**		**10/6/2009 2:51:00 PM**		**10/6/2009 2:55:00 PM**		**10/6/2009 2:58:00 PM**		**10/6/2009 2:41:00 PM**		**10/6/2009 2:45:00 PM**		**10/6/2009 2:49:00 PM**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**2**		**1**		**1**		**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
			Low		**Low**		**Low**		**Low**		**Low**		**Low**		**Low**	
GC/MS Semi VOA - 8270C (ug/kg)	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)**	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maiximum TOC concentration) (ug/kg)**														
Naphthalene	119.1	2052.0	NA		940	U	400	J	350	U	550	U	340	U	NA	
2-Methylnaphthalene			NA		110	J	210	J	32	J B	27	J	340	U	NA	
Acenaphthylene			NA		940	U	63	J	69	J	28	J	340	U	NA	
Acenaphthene	555.8	9576.0	NA		490	J	530	J	260	J	46	J	340	U	NA	
Fluorene	31.8	547.2	NA		530	J	630		480		45	J	340	U	NA	
Phenanthrene	476.0	8208.0	NA		4700		5200		2300		600		340	U	NA	
Anthracene	424.8	7318.8	NA		1000		1100		540		110	J	340	U	NA	
Fluoranthene	404.9	6976.8	NA		8000		7200		3600		1500		39	J	NA	
Pyrene	3815.2	65732.0	NA		7600		9700		4300		1900		33	J	NA	
Benzo[a]anthracene	47.6	820.8	NA		3900		3200		1500		710		340	U	NA	
Chrysene			NA		4500		3600		2200		880		340	U	NA	
Benzo[b]fluoranthene			NA		5800		3800		2800		1100		340	U	NA	
Benzo[k]fluoranthene			NA		2300		1600		960		390	J	340	U	NA	
Benzo[a]pyrene			NA		4400		3400		1900		870		340	U	NA	
Indeno[1,2,3-cd]pyrene			NA		2700		3200		1600		850		340	U	NA	
Dibenz(a,h)anthracene			NA		510	J	760		340	J	160	J	340	U	NA	
Benzo[g,h,i]perylene			NA		2500		3200		1300		920		340	U	NA	
Total PAHs		4,000-10,000	NA		**49,040**		**47,793**		**24,149**		**10,136**		72		NA	
GC Semi VOA - 8082 (ug/kg)		**SSSC for Wildlife Bioaccumulation (ug/kg)**														
PCB-1016		Sample Dependent	18	U	310	U	190	U	110	U	35	U	22	U	21	U
PCB-1221		Sample Dependent	18	U	310	U	190	U	110	U	35	U	22	U	21	U
PCB-1232		Sample Dependent	18	U	310	U	190	U	110	U	35	U	22	U	21	U
PCB-1242		Sample Dependent	18	U	310	U	190	U	110	U	35	U	22	U	21	U
PCB-1248		Sample Dependent	18	U	310	U	190	U	110	U	35	U	22	U	21	U
PCB-1254		Sample Dependent	18	U	310	U	190	U	**500**	p	35	U	22	U	21	U
PCB-1260		Sample Dependent	4.7	J	**3200**		**1900**		**1400**		**310**		**28**		9.0	J
Total PCBs		Sample Dependent	4.7	J	**3200**		**1900**		**1900**		**310**		**28**		9.0	J
Sample Specific PCB Screening Criteria for Wildlife Bioaccumulation (SC) based on Sample Specific TOC[1]			7.2		57.7		68.0		14.8		71.7		9.2		11.6	
General Chemistry																
Percent Moisture - %			8.2		45.4		55.1		23.4		51.8		22.6		20.6	
Percent Solids - %			91.8		54.6		44.9		76.6		48.2		77.4		79.4	
Total Organic Carbon - mg/Kg			5120		41200		48600		10600		51200		6570		8280	

: Total PAH concentration is between 4,000 and 10,
: For PCBs the concentration exceeded the SSSC d
: For PAHs, concentration exceeded 10,000 ug/kg.

QUALIFIERS

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*: LCS/LCSD exceeds the control limit
p: The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
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SC = site specific sediment screening criteria
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foc = organic carbon content of soil = total organic carbon concentration

Table 1
Wetland Sediment Data
Supplemental RFI Investigation

Central Hudson Gas Electric
Eltings Corners Facility,
Town of Lloyd, New York

Transect Distance West From Outfall									200-Foot Transect							
Sample ID	**Site Specific Sediment**	**Site Specific Sediment**	**SP-15A**		**SP-15B**		**SP-15C**		**SP-20A**		**SP-20B**		**SP-20C**		**SP-10A**	
Lab Sample Number	**Screening Criteria**	**Screening Criteria**	**220-10653-7**		**220-10653-8**		**220-10653-9**		**220-10653-22**		**220-10653-23**		**220-10653-24**		**220-10338-28**	
Sampling Date			**11/6/2009 11:10:00 AM**		**11/6/2009 11:12:00 AM**		**11/6/2009 11:14:00 AM**		**11/6/2009 12:20:00 PM**		**11/6/2009 12:22:00 PM**		**11/6/2009 12:24:00 PM**		**10/6/2009 3:12:00 PM**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**		**1**		**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
			Low		**Low**		**Low**		**Low**		**Low**		**Low**		**Low**	
GC/MS Semi VOA - 8270C (ug/kg)	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)**	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maiximum TOC concentration) (ug/kg)**														
Naphthalene	119.1	2052.0	440	U	340	U	360	U	420	U	360	U	330	U	82	J
2-Methylnaphthalene			440	U	340	U	360	U	420	U	360	U	330	U	69	J B
Acenaphthylene			440	U	340	U	360	U	420	U	360	U	330	U	92	J
Acenaphthene	555.8	9576.0	440	U	340	U	360	U	420	U	360	U	330	U	150	J
Fluorene	31.8	547.2	440	U	340	U	360	U	420	U	360	U	330	U	170	J
Phenanthrene	476.0	8208.0	39	J	340	U	360	U	32	J	360	U	330	U	2000	
Anthracene	424.8	7318.8	440	U	340	U	360	U	420	U	360	U	330	U	370	J
Fluoranthene	404.9	6976.8	93	J	340	U	360	U	63	J	360	U	330	U	4200	
Pyrene	3815.2	65732.0	79	J	340	U	360	U	63	J	360	U	330	U	5700	
Benzo[a]anthracene	47.6	820.8	42	J	340	U	360	U	27	J	360	U	330	U	2000	
Chrysene			60	J	340	U	360	U	420	U	360	U	330	U	2600	
Benzo[b]fluoranthene			82	J	340	U	360	U	50	J	360	U	330	U	3100	
Benzo[k]fluoranthene			440	U	340	U	360	U	420	U	360	U	330	U	1400	
Benzo[a]pyrene			58	J	340	U	360	U	420	U	360	U	330	U	2500	
Indeno[1,2,3-cd]pyrene			41	J	340	U	360	U	420	U	360	U	330	U	3100	
Dibenz(a,h)anthracene			440	U	340	U	360	U	420	U	360	U	330	U	620	U
Benzo[g,h,i]perylene			350	J	340	U	360	U	420	U	360	U	330	U	3400	
Total PAHs		4,000-10,000	844		0		0		235		0		0		**30,864**	
GC Semi VOA - 8082 (ug/kg)		**SSSC for Wildlife Bioaccumulation (ug/kg)**														
PCB-1016		Sample Dependent	27	U	21	U	22	U	27	U	22	U	21	U	40	U
PCB-1221		Sample Dependent	27	U	21	U	22	U	27	U	22	U	21	U	40	U
PCB-1232		Sample Dependent	27	U	21	U	22	U	27	U	22	U	21	U	40	U
PCB-1242		Sample Dependent	27	U	21	U	22	U	27	U	22	U	21	U	40	U
PCB-1248		Sample Dependent	27	U	21	U	22	U	27	U	22	U	21	U	22	J p
PCB-1254		Sample Dependent	27	U	21	U	22	U	27	U	22	U	21	U	40	U
PCB-1260		Sample Dependent	27	J	3.1	J	22	U	**58**		8.6	J	4.0	J	**160**	
Total PCBs		Sample Dependent	27	J	3.1	J	0		**58**		8.6	J	4.0	J	**182**	
Sample Specific PCB Screening Criteria for Wildlife Bioaccumulation (SC) based on Sample Specific TOC[1]			35.3		7.4		7.4		36.7		18.9		5.8		79.8	
General Chemistry																
Percent Moisture - %			38.8		19.7		24.4		36.2		24.4		19.2		57.2	
Percent Solids - %			61.2		80.3		75.6		63.8		75.6		80.8		42.8	
Total Organic Carbon - mg/Kg			25200		5250		5300		26200		13500		4120		57000	

: Total PAH concentration is between 4,000 and 10,
: For PCBs the concentration exceeded the SSSC d
: For PAHs, concentration exceeded 10,000 ug/kg.

QUALIFIERS

NA: Not analyzed.

*: LCS/LCSD exceeds the control limit

p: The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

U: Analyzed for but not detected.

H: Sample was prepped or analyzed beyond the specified holding time

B: The analyte was found in an associated blank, as well as in the sample.

J: Indicates an estimated value.

1: Calculating Site (Sample) Specific PCB Screening Criteria
Based on TOC Concentrations:
from: NYSDEC Division of Fish, Wildlife & Marine Resources
Technical Guidance for Screening Contaminated Sediments

SC = SCoc * foc

SC = site specific sediment screening criteria

SCoc = normalized sediment screening criteria (Table 1 in NYSDEC Technical Guidance for Screening Contaminated Sediments)

foc = organic carbon content of soil = total organic carbon concentration

Table 1
Wetland Sediment Data
Supplemental RFI Investigation

Central Hudson Gas Electric
Eltings Corners Facility,
Town of Lloyd, New York

Transect Distance West From Outfall																						
Sample ID	**Site Specific Sediment**	**Site Specific Sediment**	**SP-10B**		**SP-10C**		**SP-11A**		**SP-11B**		**SP-11C**		**SP-12A**		**SP-12B**		**SP-12C**	
Lab Sample Number	**Screening Criteria**	**Screening Criteria**	**220-10338-29**		**220-10338-30**		**220-10338-31**		**220-10338-32**		**220-10338-33**		**220-10338-34**		**220-10338-35**		**220-10338-36**	
Sampling Date			**10/6/2009 3:15:00 PM**		**10/6/2009 3:18:00 PM**		**10/6/2009 3:20:00 PM**		**10/6/2009 3:23:00 PM**		**10/6/2009 3:21:00 PM**		**10/6/2009 3:30:00 PM**		**10/6/2009 3:33:00 PM**		**10/6/2009 3:35:00 PM**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**		**1**		**2**		**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
			Low		**Low**		**Low**		**Low**		**Low**		**Low**		**Low**		**Low**	
GC/MS Semi VOA - 8270C (ug/kg)	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)**	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maiximum TOC concentration) (ug/kg)**																
Naphthalene	119.1	2052.0	410	U	NA		150	J	74	J	140	J	38	J	350	U	NA	
2-Methylnaphthalene			17	J	NA		86	J	53	J	100	J	530	U	350	U	NA	
Acenaphthylene			410	U	NA		72	J	82	J	310	J	530	U	350	U	NA	
Acenaphthene	555.8	9576.0	410	U	NA		110	J	120	J	460	J	530	U	350	U	NA	
Fluorene	31.8	547.2	410	U	NA		110	J	130	J	750	J	530	U	350	U	NA	
Phenanthrene	476.0	8208.0	270	J	NA		1400		1600		3800		250	J	350	U	NA	
Anthracene	424.8	7318.8	54	J	NA		250	J	310	J	790	J	53	J	350	U	NA	
Fluoranthene	404.9	6976.8	520		NA		2500		3200		12000		510	J	43	J	NA	
Pyrene	3815.2	65732.0	810		NA		4000		5000		18000		740		39	J	NA	
Benzo[a]anthracene	47.6	820.8	250	J	NA		1600		1700		5800		250	J	23	J	NA	
Chrysene			380	J	NA		2100		2200		7500		320	J	350	U	NA	
Benzo[b]fluoranthene			440		NA		2300		2500		8400		360	J	350	U	NA	
Benzo[k]fluoranthene			170	J	NA		1000		890		2900		140	J	350	U	NA	
Benzo[a]pyrene			330	J	NA		2000		2100		6700		290	J	350	U	NA	
Indeno[1,2,3-cd]pyrene			340	J	NA		1800		2400		8300		350	J	350	U	NA	
Dibenz(a,h)anthracene			410	U	NA		390	J	540	J	1800		530	U	350	U	NA	
Benzo[g,h,i]perylene			320	J	NA		1700		2200		7200		330	J	350	U	NA	
Total PAHs		4,000-10,000	3,901		NA		**21,568**		**25,099**		**84,950**		3,631		105		NA	
GC Semi VOA - 8082 (ug/kg)		**SSSC for Wildlife Bioaccumulation (ug/kg)**																
PCB-1016		Sample Dependent	130	U	28	U	40	U	40	U	170	U	67	U	22	U	21	U
PCB-1221		Sample Dependent	130	U	28	U	40	U	40	U	170	U	67	U	22	U	21	U
PCB-1232		Sample Dependent	130	U	28	U	40	U	40	U	170	U	67	U	22	U	21	U
PCB-1242		Sample Dependent	130	U	28	U	40	U	40	U	170	U	67	U	22	U	21	U
PCB-1248		Sample Dependent	130	U	28	U	48	p	27	J p	**190**		67	U	22	U	21	U
PCB-1254		Sample Dependent	130	U	28	U	40	U	40	U	170	U	67	U	22	U	21	U
PCB-1260		Sample Dependent	**890**		**210**		**250**		**170**		**1300**		**600**		**21**	J	**29**	
Total PCBs		Sample Dependent	**890**		**210**		**298**		**197**		**1490**		**600**		**21**	J	**29**	
Sample Specific PCB Screening Criteria for Wildlife Bioaccumulation (SC) based on Sample Specific TOC[1]			29.4		36.3		58.1		63.1		46.6		38.1		9.4		6.9	
General Chemistry																		
Percent Moisture - %			33.6		40.9		58.2		57.8		49.5		50.6		23.4		21.2	
Percent Solids - %			66.4		59.1		41.8		42.2		50.5		49.4		76.6		78.8	
Total Organic Carbon - mg/Kg			21000		25900		41500		45100		33300		27200		6700		4960	

: Total PAH concentration is between 4,000 and 10,
: For PCBs the concentration exceeded the SSSC d
: For PAHs, concentration exceeded 10,000 ug/kg.

QUALIFIERS

NA: Not analyzed.
*: LCS/LCSD exceeds the control limit
p: The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U: Analyzed for but not detected.
H: Sample was prepped or analyzed beyond the specified holding time
B: The analyte was found in an associated blank, as well as in the sample.
J: Indicates an estimated value.

1: Calculating Site (Sample) Specific PCB Screening Criteria
Based on TOC Concentrations:
from: NYSDEC Division of Fish, Wildlife & Marine Resources
Technical Guidance for Screening Contaminated Sediments

SC = SCoc * foc
SC = site specific sediment screening criteria
SCoc = normalized sediment screening criteria (Table 1 in NYSDEC Technical Guidance for Screening Contaminated Sediments)
foc = organic carbon content of soil = total organic carbon concentration

Table 1
Wetland Sediment Data
Supplemental RFI Investigation

Central Hudson Gas Electric
Eltings Corners Facility,
Town of Lloyd, New York

Transect Distance West From Outfall			300-Foot Transect																
Sample ID	**Site Specific Sediment**	**Site Specific Sediment**	**SP-16A**		**SP-16B**		**SP-16C**		**SP-21A**		**SP-21B**		**SP-21C**	
Lab Sample Number	**Screening Criteria**	**Screening Criteria**	**220-10653-10**		**220-10653-11**		**220-10653-12**		**220-10653-25**		**220-10653-26**		**220-10653-27**	
Sampling Date			**11/6/2009 11:20:00 AM**		**11/6/2009 11:22:00 AM**		**11/6/2009 11:24:00 AM**		**11/6/2009 4:00:00 PM**		**11/6/2009 4:02:00 PM**		**11/6/2009 4:04:00 PM**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**		**2**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
			Low		**Low**		**Low**		**Low**		**Low**		**Low**	
GC/MS Semi VOA - 8270C (ug/kg)	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)**	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maiximum TOC concentration) (ug/kg)**												
Naphthalene	119.1	2052.0	430	U	390	U	420	U	400	U *	350	U *	380	U *
2-Methylnaphthalene			430	U	390	U	420	U	400	U *	350	U *	380	U *
Acenaphthylene			430	U	390	U	420	U	400	U *	350	U *	380	U *
Acenaphthene	555.8	9576.0	430	U	390	U	420	U	400	U *	350	U *	380	U *
Fluorene	31.8	547.2	430	U	390	U	420	U	400	U *	350	U *	380	U *
Phenanthrene	476.0	8208.0	430	U	390	U	420	U	89	J *	350	U *	380	U *
Anthracene	424.8	7318.8	430	U	390	U	420	U	17	J *	350	U *	380	U *
Fluoranthene	404.9	6976.8	29	J	390	U	420	U	190	J *	350	U *	380	U *
Pyrene	3815.2	65732.0	23	J	390	U	420	U	170	J *	350	U *	380	U *
Benzo[a]anthracene	47.6	820.8	16	J	390	U	420	U	69	J *	350	U *	380	U *
Chrysene			430	U	390	U	420	U	110	J *	350	U *	380	U *
Benzo[b]fluoranthene			22	J	12	J	420	U	160	J *	350	U *	380	U *
Benzo[k]fluoranthene			430	U	390	U	420	U	53	J *	350	U *	380	U *
Benzo[a]pyrene			430	U	390	U	420	U	100	J	350	U	380	U
Indeno[1,2,3-cd]pyrene			430	U	390	U	420	U	200	J	350	U	380	U
Dibenz(a,h)anthracene			430	U	390	U	420	U	400	U	350	U	380	U
Benzo[g,h,i]perylene			430	U	390	U	420	U	280	J	350	U	380	U
Total PAHs		4,000-10,000	90		12		0		1438		0		0	
GC Semi VOA - 8082 (ug/kg)		**SSSC for Wildlife Bioaccumulation (ug/kg)**												
PCB-1016		Sample Dependent	27	U	24	U	26	U	51	U	23	U	24	U
PCB-1221		Sample Dependent	27	U	24	U	26	U	51	U	23	U	24	U
PCB-1232		Sample Dependent	27	U	24	U	26	U	51	U	23	U	24	U
PCB-1242		Sample Dependent	27	U	24	U	26	U	51	U	23	U	24	U
PCB-1248		Sample Dependent	27	U	24	U	26	U	51	U	23	U	24	U
PCB-1254		Sample Dependent	27	U	24	U	26	U	51	U	23	U	24	U
PCB-1260		Sample Dependent	5.1	J	24	U	26	U	**590**		**33**		**25**	
Total PCBs		Sample Dependent	5.1	J	0		0		**590**		**33**		**25**	
Sample Specific PCB Screening Criteria for Wildlife Bioaccumulation (SC) based on Sample Specific TOC[1]			35.0		27.9		31.6		35.6		21.3		17.1	
General Chemistry														
Percent Moisture - %			37.2		31.0		36.8		33.3		25.1		29.5	
Percent Solids - %			62.8		69.0		63.2		66.7		74.9		70.5	
Total Organic Carbon - mg/Kg			25000		19900		22600		25400		15200		12200	

: Total PAH concentration is between 4,000 and 10,
: For PCBs the concentration exceeded the SSSC d
: For PAHs, concentration exceeded 10,000 ug/kg.

QUALIFIERS

NA: Not analyzed.
*: LCS/LCSD exceeds the control limit
p: The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U: Analyzed for but not detected.
H: Sample was prepped or analyzed beyond the specified holding time
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1: Calculating Site (Sample) Specific PCB Screening Criteria
Based on TOC Concentrations:
from: NYSDEC Division of Fish, Wildlife & Marine Resources
Technical Guidance for Screening Contaminated Sediments

SC = SCoc * foc
SC = site specific sediment screening criteria
SCoc = normalized sediment screening criteria (Table 1 in NYSDEC Technical Guidance for Screening Contaminated Sediments)
foc = organic carbon content of soil = total organic carbon concentration

Table 1
Wetland Sediment Data
Supplemental RFI Investigation

Central Hudson Gas Electric
Eltings Corners Facility,
Town of Lloyd, New York

Transect Distance West From Outfall																							400-Foot Transect	
Sample ID	**Site Specific Sediment**	**Site Specific Sediment**	**SP-22A**		**SP-22B**		**SP-22C**		**SP-23A**		**SP-23B**		**SP-23C**		**SP-24A**	
Lab Sample Number	**Screening Criteria**	**Screening Criteria**	**220-10653-28**		**220-10653-29**		**220-10653-30**		**220-10653-31**		**220-10653-32**		**220-10653-33**		**220-10653-34**	
Sampling Date			**11/6/2009 3:00:00 PM**		**11/6/2009 3:02:00 PM**		**11/6/2009 3:04:00 PM**		**11/6/2009 3:10:00 PM**		**11/6/2009 3:12:00 PM**		**11/6/2009 3:14:00 PM**		**11/6/2009 4:10:00 PM**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**5**		**5**		**10**		**1**		**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
			Low		**Low**		**Low**		**Low**		**Low**		**Low**		**Low**	
GC/MS Semi VOA - 8270C (ug/kg)	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)**	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maximum TOC concentration) (ug/kg)**														
Naphthalene	119.1	2052.0	570	U *	54	J *	36	J *	390	U *	370	U *	360	U *	530	U
2-Methylnaphthalene			570	U *	49	J *	30	J *	390	U *	370	U *	360	U *	18	J
Acenaphthylene			570	U *	80	J *	74	J *	25	J *	370	U *	360	U *	65	J
Acenaphthene	555.8	9576.0	47	J *	82	J *	80	J *	390	U *	370	U *	360	U *	36	J
Fluorene	31.8	547.2	54	J *	95	J *	81	J *	390	U *	370	U *	360	U *	40	J
Phenanthrene	476.0	8208.0	640	*	1200	*	810	*	24	J *	370	U *	360	U *	550	
Anthracene	424.8	7318.8	120	J *	200	J *	190	J *	390	U *	370	U *	360	U *	110	J
Fluoranthene	404.9	6976.8	1200	*	2400	*	2400	*	140	J *	370	U *	360	U *	1500	
Pyrene	3815.2	65732.0	1900	*	4900	*	4900	*	120	J *	370	U *	360	U *	1500	
Benzo[a]anthracene	47.6	820.8	670	*	1400	*	1200	*	99	J *	370	U *	360	U *	680	
Chrysene			840	*	1900	*	1800	*	120	J *	370	U *	360	U *	940	
Benzo[b]fluoranthene			900	*	2000	*	1800	*	160	J *	370	U *	360	U *	1200	
Benzo[k]fluoranthene			330	J *	740	*	710	*	65	J *	370	U *	360	U *	420	J
Benzo[a]pyrene			740		1700		1500		89	J	370	U	360	U	890	
Indeno[1,2,3-cd]pyrene			1200		2500		2000		220	J	370	U	360	U	750	
Dibenz(a,h)anthracene			420	J	750		580		390	U	370	U	360	U	140	J
Benzo[g,h,i]perylene			1300		2400		1800		390	U	370	U	360	U	1100	
Total PAHs		4,000-10,000	**10,361**		**22,450**		**19,991**		1062		0		0		**9,939**	
GC Semi VOA - 8082 (ug/kg)		**SSSC for Wildlife Bioaccumulation (ug/kg)**														
PCB-1016		Sample Dependent	180	U	200	U	260	U	25	U	24	U	23	U	170	U
PCB-1221		Sample Dependent	180	U	200	U	260	U	25	U	24	U	23	U	170	U
PCB-1232		Sample Dependent	180	U	200	U	260	U	25	U	24	U	23	U	170	U
PCB-1242		Sample Dependent	180	U	200	U	260	U	25	U	24	U	23	U	170	U
PCB-1248		Sample Dependent	180	U	200	U	260	U	25	U	24	U	23	U	170	U
PCB-1254		Sample Dependent	180	U	200	U	260	U	25	U	24	U	23	U	170	U
PCB-1260		Sample Dependent	**1500**		**1600**		**4000**		17	J	4.4	J	23	U	**1100**	
Total PCBs		Sample Dependent	**1500**		**1600**		**4000**		17	J	4.4	J	0		**1100**	
Sample Specific PCB Screening Criteria for Wildlife Bioaccumulation (SC) based on Sample Specific TOC[1]			57.5		67.1		17.8		29.1		27.6		6.0		62.7	
General Chemistry																
Percent Moisture - %			53.4		56.7		34.1		31.8		30.2		27.6		49.7	
Percent Solids - %			46.6		43.3		65.9		68.2		69.8		72.4		50.3	
Total Organic Carbon - mg/Kg			41100		47900		12700		20800		19700		4250		44800	

: Total PAH concentration is between 4,000 and 10,
: For PCBs the concentration exceeded the SSSC d
: For PAHs, concentration exceeded 10,000 ug/kg.

QUALIFIERS

NA: Not analyzed.
*: LCS/LCSD exceeds the control limit
p: The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U: Analyzed for but not detected.
H: Sample was prepped or analyzed beyond the specified holding time
B: The analyte was found in an associated blank, as well as in the sample.
J: Indicates an estimated value.

1: Calculating Site (Sample) Specific PCB Screening Criteria
Based on TOC Concentrations:
from: NYSDEC Division of Fish, Wildlife & Marine Resources
Technical Guidance for Screening Contaminated Sediments

SC = SCoc * foc
SC = site specific sediment screening criteria
SCoc = normalized sediment screening criteria (Table 1 in NYSDEC Technical Guidance for Screening Contaminated Sediments)
foc = organic carbon content of soil = total organic carbon concentration

Table 1
Wetland Sediment Data
Supplemental RFI Investigation

Central Hudson Gas Electric
Eltings Corners Facility,
Town of Lloyd, New York

Transect Distance West From Outfall																								
Sample ID	**Site Specific Sediment**	**Site Specific Sediment**	**SP-24B**		**SP-24C**		**SP-25A**		**SP-25B**		**SP-25C**		**SP-26A**		**SP-26B**									
Lab Sample Number	**Screening Criteria**	**Screening Criteria**	**220-10653-35**		**220-10653-36**		**220-10653-37**		**220-10653-38**		**220-10653-39**		**220-10653-40**		**220-10653-41**									
Sampling Date			**11/6/2009 4:12:00 PM**		**11/6/2009 4:14:00 PM**		**11/6/2009 2:50:00 PM**		**11/6/2009 2:52:00 PM**		**11/6/2009 2:54:00 PM**		**11/6/2009 3:40:00 PM**		**11/6/2009 3:42:00 PM**									
Matrix			**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**									
Dilution Factor			**1**		**1**		**1**		**1**		**1**		**1**		**1**									
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**									
			Low		**Low**		**Low**		**Low**		**Low**		**Low**		**Low**									
GC/MS Semi VOA - 8270C (ug/kg)	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)**	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maixmum TOC concentration) (ug/kg)**																						
Naphthalene	119.1	2052.0	340	U	350	U	48	J	74	J	21	J	350	U	340	U								
2-Methylnaphthalene			340	U	350	U	36	J	53	J	15	J	350	U	340	U								
Acenaphthylene			340	U	350	U	86	J	120	J	55	J	350	U	340	U								
Acenaphthene	555.8	9576.0	340	U	350	U	110	J	120	J	29	J	350	U	340	U								
Fluorene	31.8	547.2	340	U	350	U	130	J	160	J	49	J	350	U	340	U								
Phenanthrene	476.0	8208.0	30	J	33	J	1100		1300		300	J	350	U	340	U								
Anthracene	424.8	7318.8	340	U	350	U	220	J	270	J	75	J	350	U	340	U								
Fluoranthene	404.9	6976.8	62	J	84	J	3100		3400		1200		350	U	340	U								
Pyrene	3815.2	65732.0	55	J	78	J	4500		6400		1900		350	U	340	U								
Benzo[a]anthracene	47.6	820.8	29	J	42	J	1400		1800		510		350	U	340	U								
Chrysene			37	J	52	J	2000		2300		740		350	U	340	U								
Benzo[b]fluoranthene			53	J	79	J	2300		2500		850		350	U	340	U								
Benzo[k]fluoranthene			340	U	33	J	830		1000		300	J	350	U	340	U								
Benzo[a]pyrene			340	U	350	U	1900		2300		670		350	U	340	U								
Indeno[1,2,3-cd]pyrene			340	U	350	U	2100		2500		770		350	U	340	U								
Dibenz(a,h)anthracene			340	U	350	U	440	J	520	J	160	J	350	U	340	U								
Benzo[g,h,i]perylene			340	U	350	U	2400		2500		940		350	U	340	U								
Total PAHs		4,000-10,000	266		401		**22,700**		**27,317**		**8,584**		0		0									
GC Semi VOA - 8082 (ug/kg)		**SSSC for Wildlife Bioaccumulation (ug/kg)**																						
PCB-1016		Sample Dependent	21	U	22	U	520	U	400	U	24	U	22	U	21	U								
PCB-1221		Sample Dependent	21	U	22	U	520	U	400	U	24	U	22	U	21	U								
PCB-1232		Sample Dependent	21	U	22	U	520	U	400	U	24	U	22	U	21	U								
PCB-1242		Sample Dependent	21	U	22	U	520	U	400	U	24	U	22	U	21	U								
PCB-1248		Sample Dependent	21	U	22	U	520	U	400	U	24	U	22	U	21	U								
PCB-1254		Sample Dependent	21	U	22	U	520	U	400	U	24	U	22	U	21	U								
PCB-1260		Sample Dependent	**66**		**42**		**3900**		**2600**		**360**		15	J p	21	U								
Total PCBs		Sample Dependent	**66**		**42**		**3900**		**2600**		**360**		15	J p	0									
Sample Specific PCB Screening Criteria for Wildlife Bioaccumulation (SC) based on Sample Specific TOC[1]			12.3		4.7		84.3		80.5		5.4		22.5		11.6									
General Chemistry																								
Percent Moisture - %			19.5		23.9		67.2		58.1		29.4		23.1		20.7									
Percent Solids - %			80.5		76.1		32.8		41.9		70.6		76.9		79.3									
Total Organic Carbon - mg/Kg			8760		3330		60200		57500		3870		16100		8270									

: Total PAH concentration is between 4,000 and 10,
: For PCBs the concentration exceeded the SSSC d
: For PAHs, concentration exceeded 10,000 ug/kg.

QUALIFIERS

NA: Not analyzed.
*: LCS/LCSD exceeds the control limit
p: The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U: Analyzed for but not detected.
H: Sample was prepped or analyzed beyond the specified holding time
B: The analyte was found in an associated blank, as well as in the sample.
J: Indicates an estimated value.

1: Calculating Site (Sample) Specific PCB Screening Criteria
Based on TOC Concentrations:
from: NYSDEC Division of Fish, Wildlife & Marine Resources
Technical Guidance for Screening Contaminated Sediments

SC = SCoc * foc
SC = site specific sediment screening criteria
SCoc = normalized sediment screening criteria (Table 1 in NYSDEC Technical Guidance for Screening Contaminated Sediments)
foc = organic carbon content of soil = total organic carbon concentration

Table 1
Wetland Sediment Data
Supplemental RFI Investigation

Central Hudson Gas Electric
Eltings Corners Facility,
Town of Lloyd, New York

Transect Distance West From Outfall				500-Foot Transect															
Sample ID	**Site Specific Sediment**	**Site Specific Sediment**	**SP-26C**		**SP-27A**		**SP-27B**		**SP-27C**		**SP-28A**		**SP-28B**		**SP-28C**	
Lab Sample Number	**Screening Criteria**	**Screening Criteria**	**220-10653-42**		**220-10653-43**		**220-10653-44**		**220-10653-45**		**220-10653-46**		**220-10653-47**		**220-10653-48**	
Sampling Date			**11/6/2009 3:44:00 PM**		**11/6/2009 4:20:00 PM**		**11/6/2009 4:22:00 PM**		**11/6/2009 4:24:00 PM**		**11/6/2009 3:30:00 PM**		**11/6/2009 3:32:00 PM**		**11/6/2009 3:34:00 PM**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**10**		**1**		**1**		**1**		**5**		**20**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
			Low		**Low**		**Low**		**Low**		**Low**		**Low**		**Low**	
GC/MS Semi VOA - 8270C (ug/kg)	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)**	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maiximum TOC concentration) (ug/kg)**														
Naphthalene	119.1	2052.0	330	U	360	U *	380	U *	360	U *	740	U *	99	J *	53	J *
2-Methylnaphthalene			330	U	360	U *	380	U *	360	U *	32	J *	67	J *	42	J *
Acenaphthylene			330	U	160	J *	190	J *	360	U *	41	J *	180	J *	150	J *
Acenaphthene	555.8	9576.0	330	U	360	U *	380	U *	360	U *	85	J *	130	J *	60	J *
Fluorene	31.8	547.2	330	U	23	J *	23	J *	360	U *	80	J *	190	J *	130	J *
Phenanthrene	476.0	8208.0	330	U	270	J *	230	J *	360	U *	900	*	1100	*	810	*
Anthracene	424.8	7318.8	330	U	81	J *	82	J *	360	U *	170	J *	290	J *	250	J *
Fluoranthene	404.9	6976.8	330	U	1600	*	2200	*	140	J *	1800	*	2700	*	2500	*
Pyrene	3815.2	65732.0	330	U	1900	*	2000	*	110	J *	3500	*	4900	*	5400	*
Benzo[a]anthracene	47.6	820.8	330	U	670	*	960	*	58	J *	1000	*	1600	*	1200	*
Chrysene			330	U	730	*	980	*	62	J *	1300	*	2300	*	1800	*
Benzo[b]fluoranthene			330	U	950	*	1400	*	82	J *	1400	*	2800	*	2000	*
Benzo[k]fluoranthene			330	U	390	*	700	*	38	J *	610	J *	1100	*	830	*
Benzo[a]pyrene			330	U	750		1000		60	J	1200		2000		1600	
Indeno[1,2,3-cd]pyrene			330	U	910		1000		360	U	2100		2900		2300	
Dibenz(a,h)anthracene			330	U	280	J	390		360	U	880		660	J	640	
Benzo[g,h,i]perylene			330	U	860		980		230	J	2200		2900		2100	
Total PAHs		4,000-10,000	0		**9,574**		**12,135**		780		**17,298**		**25,916**		**21,865**	
GC Semi VOA - 8082 (ug/kg)		**SSSC for Wildlife Bioaccumulation (ug/kg)**														
PCB-1016		Sample Dependent	21	U	230	U	25	U	23	U	48	U	230	U	530	U
PCB-1221		Sample Dependent	21	U	230	U	25	U	23	U	48	U	230	U	530	U
PCB-1232		Sample Dependent	21	U	230	U	25	U	23	U	48	U	230	U	530	U
PCB-1242		Sample Dependent	21	U	230	U	25	U	23	U	48	U	230	U	530	U
PCB-1248		Sample Dependent	21	U	230	U	25	U	23	U	48	U	230	U	530	U
PCB-1254		Sample Dependent	21	U	230	U	25	U	23	U	48	U	230	U	530	U
PCB-1260		Sample Dependent	21	U	**1600**		**110**		**19**	J	**570**		**3000**		**5300**	
Total PCBs		Sample Dependent	0		**1600**		**110**		**19**	J	**570**		**3000**		**5300**	
Sample Specific PCB Screening Criteria for Wildlife Bioaccumulation (SC) based on Sample Specific TOC[1]			6.7		23.7		26.6		14.3		105.0		85.3		19.7	
General Chemistry																
Percent Moisture - %			19.3		25.1		31.2		25.0		64.5		62.5		36.5	
Percent Solids - %			80.7		74.9		68.8		75.0		35.5		37.5		63.5	
Total Organic Carbon - mg/Kg			4760		16900		19000		10200		75000		60900		14100	

: Total PAH concentration is between 4,000 and 10,
: For PCBs the concentration exceeded the SSSC d
: For PAHs, concentration exceeded 10,000 ug/kg.

QUALIFIERS

NA: Not analyzed.
*: LCS/LCSD exceeds the control limit
p: The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U: Analyzed for but not detected.
H: Sample was prepped or analyzed beyond the specified holding time
B: The analyte was found in an associated blank, as well as in the sample.
J: Indicates an estimated value.

1: Calculating Site (Sample) Specific PCB Screening Criteria
Based on TOC Concentrations:
from: NYSDEC Division of Fish, Wildlife & Marine Resources
Technical Guidance for Screening Contaminated Sediments

SC = SCoc * foc
SC = site specific sediment screening criteria
SCoc = normalized sediment screening criteria (Table 1 in NYSDEC Technical Guidance for Screening Contaminated Sediments)
foc = organic carbon content of soil = total organic carbon concentration

Table 1
Wetland Sediment Data
Supplemental RFI Investigation

Central Hudson Gas Electric
Eltings Corners Facility,
Town of Lloyd, New York

Transect Distance West From Outfall								
Sample ID	**Site Specific Sediment**	**Site Specific Sediment**	**SP-29A**		**SP-29B**		**SP-29C**	
Lab Sample Number	**Screening Criteria**	**Screening Criteria**	**220-10653-49**		**220-10653-50**		**220-10653-51**	
Sampling Date			**11/6/2009 3:20:00 PM**		**11/6/2009 3:22:00 PM**		**11/6/2009 3:24:00 PM**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
			Low		**Low**		**Low**	
GC/MS Semi VOA - 8270C (ug/kg)	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)**	**SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maiximum TOC concentration) (ug/kg)**						
Naphthalene	119.1	2052.0	390	U *	320	U *	370	U *
2-Methylnaphthalene			390	U *	320	U *	370	U *
Acenaphthylene			390	U *	320	U *	370	U *
Acenaphthene	555.8	9576.0	390	U *	320	U *	370	U *
Fluorene	31.8	547.2	390	U *	320	U *	370	U *
Phenanthrene	476.0	8208.0	390	U *	320	U *	370	U *
Anthracene	424.8	7318.8	390	U *	320	U *	370	U *
Fluoranthene	404.9	6976.8	43	J *	320	U *	370	U *
Pyrene	3815.2	65732.0	45	J *	320	U *	370	U *
Benzo[a]anthracene	47.6	820.8	22	J *	320	U *	370	U *
Chrysene			390	U *	320	U *	370	U *
Benzo[b]fluoranthene			35	J *	320	U *	370	U *
Benzo[k]fluoranthene			390	U *	320	U *	370	U *
Benzo[a]pyrene			390	U	320	U	370	U
Indeno[1,2,3-cd]pyrene			390	U	320	U	370	U
Dibenz(a,h)anthracene			390	U	320	U	370	U
Benzo[g,h,i]perylene			390	U	320	U	370	U
Total PAHs		4,000-10,000	145		0		0	
GC Semi VOA - 8082 (ug/kg)		**SSSC for Wildlife Bioaccumulation (ug/kg)**						
PCB-1016		Sample Dependent	26	U	21	U	24	U
PCB-1221		Sample Dependent	26	U	21	U	24	U
PCB-1232		Sample Dependent	26	U	21	U	24	U
PCB-1242		Sample Dependent	26	U	21	U	24	U
PCB-1248		Sample Dependent	26	U	21	U	24	U
PCB-1254		Sample Dependent	26	U	21	U	24	U
PCB-1260		Sample Dependent	15	J	21	U	24	U
Total PCBs		Sample Dependent	15	J	0		0	
Sample Specific PCB Screening Criteria for Wildlife Bioaccumulation (SC) based on Sample Specific TOC[1]			26.6		11.3		9.3	
General Chemistry								
Percent Moisture - %			33.8		18.9		28.2	
Percent Solids - %			66.2		81.1		71.8	
Total Organic Carbon - mg/Kg			19000		8070		6630	

: Total PAH concentration is between 4,000 and 10,
: For PCBs the concentration exceeded the SSSC d
: For PAHs, concentration exceeded 10,000 ug/kg.

QUALIFIERS

NA: Not analyzed.
*: LCS/LCSD exceeds the control limit
p: The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U: Analyzed for but not detected.
H: Sample was prepped or analyzed beyond the specified holding time
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1: Calculating Site (Sample) Specific PCB Screening Criteria
Based on TOC Concentrations:
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SC = SCoc * foc
SC = site specific sediment screening criteria
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foc = organic carbon content of soil = total organic carbon concentration

Table 2
Summary of Total PCB and Total PAH Concentrations
In Wetland Sediments
by Sampling Location and Depth
Supplemental RFI Investigation

CHGE Eltings Corners Facility
Town of Lloyd, New York

	25' South of stream channel			Centerline of Stream Channel			25' North of stream channel		
Distance from Outfall	**Sample Location**	**Total PCBs (ppb)**	**Total PAH's (ug/kg)**	**Sample Location**	**Total PCBs (ppb)**	**Total PAH's (ug/kg)**	**Sample Location**	**Total PCBs (ppb)**	**Total PAH's (ug/kg)**
500'	27A 0-6"	1,600	9,574	28A 0-6"	570	17,298	29A 0-6"	15J	145
	27B 12-18"	110	12,135	28B 12-18"	3,000	25,916	29B 12-18"	ND	ND
	27C 18-24"	19J	780	28C 18-24"	5,300	21,865	29C 18-24"	ND	ND
400'	24A 0-6"	1,100	9,939	25A 0-6"	3,900	22,700	26A 0-6"	15J	ND
	24B 12-18"	66	266	25B 12-18"	2,600	27,317	26B 12-18"	ND	ND
	24C 18-24"	42	401	25C 18-24"	360	8,584	26C 18-24"	ND	ND
300'	21A 0-6"	590	1,438	22A 0-6"	1,500	10,361	23A 0-6"	17J	1,062
	21B 12-18"	33	ND	22B 12-18"	1,600	22,450	23B 12-18"	4.4J	ND
	21C 18-24"	25	ND	22C 18-24"	4,000	19,991	23C 18-24"	ND	ND

	50' South of stream channel			10' South of stream channel			Centerline of Stream Channel			10' North of stream channel			50' North of stream channel		
Distance from Outfall	**Sample Location**	**Total PCBs (ppb)**	**Total PAH's (ug/kg)**	**Sample Location**	**Total PCBs (ppb)**	**Total PAH's (ug/kg)**	**Sample Location**	**Total PCBs (ppb)**	**Total PAH's (ug/kg)**	**Sample Location**	**Total PCBs (ppb)**	**Total PAH's (ug/kg)**	**Sample Location**	**Total PCBs (ppb)**	**Total PAH's (ug/kg)**
200'	20A 0-6"	58	235	10A 0-6"	182	30,864	11A 0-6"	298	21,568	12A 0-6"	600	3,631	16A 0-6"	5.1J	90
	20B 12-18"	8.6J	ND	10B 12-18"	890	3,901	11B 12-18"	197	25,099	12B 12-18"	21J	105	16B 12-18"	ND	12
	20C 18-24"	4.0J	ND	10C 18-24"	210	NA	11C 18-24"	1,490	84,950	12C 18-24"	29	NA	16C 18-24"	ND	ND
100'	19A 0-6"	9.0J	153	7A 0-6"	900	7,780	8A 0-6"	3,200	49,040	9A 0-6"	310	10,136	15A 0-6"	27J	844
	19B 12-18"	4.8J	ND	7B 12-18"	74	0	8B 12-18"	1,900	47,793	9B 12-18"	28	72	15B 12-18"	3.1J	ND
	19C 18-24"	ND	ND	7C 18-24"	4.7J	NA	8C 18-24"	1,900	24,149	9C 18-24"	9.0J	NA	15C 18-24"	ND	ND
50'	18A 0-6"	17J	114	4A 0-6"	8,600	54,302	5A 0-6"	530	202,190	6A 0-6"	890	50,099	14A 0-6"	33	485
	18B 12-18"	ND	ND	4B 12-18"	300	76	5B 12-18"	4,700	50,236	6B 12-18"	23	ND	14B 12-18"	4.5J	80
	18C 18-24"	ND	ND	4C 18-24"	240	NA	5C 18-24"	3,600	66,410	6C 18-24"	4.3J	NA	14C 18-24"	ND	ND
25'	17A 0-6"	7.3J	ND	1A 0-6"	2,100	24,756	2A 0-6"	940	26,470	3A 0-6"	6,200	20,474	13A 0-6"	26J	236
	17B 12-18"	2.7J	ND	1B 12-18"	2,800	1,770	2B 12-18"	2,000	3,334	3B 12-18"	270	854	13B 12-18"	ND	ND
	17C 18-24"	ND	ND	1C 18-24"	1,100	280	2C 18-24"	2,610	13,434	3C 18-24"	87	NA	13C 18-24"	ND	ND

: Total **PAH** concentration is between 4,000 and 10,000 ug/kg. Location may require remediation.
: For **PCBs** the concentration exceeded the Sediment Screening Criteria which is a function of the location specific Total Organic Carbon concentration.
: For **PAHs**, concentration exceeded 10,000 ug/kg.
ND= Non-detect
NA= Not Analyzed
J= Estimated value

Table 3
Primary and Secondary Laboratory PAH Results
from 300-Foot and 500-Foot Transect Sediment Samples
Supplemental RFI Investigation

CHGE Eltings Corners Facility
Town of Lloyd, New York

Sample ID	Site Specific Sediment	Site Specific Sediment	SP-21A		SP-21A		SP-21B		SP-21B		SP-21C		SP-21C	
Lab Sample Number	Screening Criteria	Screening Criteria	220-10653-25		220-10653-25		220-10653-26		220-10653-26		220-10653-27		220-10653-27	
Sampling Date			11/6/2009 4:00:00 PM		11/6/2009 4:00:00 PM		11/6/2009 4:02:00 PM		11/6/2009 4:02:00 PM		11/6/2009 4:04:00 PM		11/6/2009 4:04:00 PM	
Matrix			Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor			1		1		1		1		1		1	
Units			ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
			Low		SECONDARY|Low		Low		SECONDARY|Low		Low		SECONDARY|Low	
GC/MS Semi VOA - 8270C(ug/kg)	SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)	SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maiximum TOC concentration) (ug/kg)												
Naphthalene	119.1	2052.0	400	U *	400	U H	350	U *	360	U H	380	U *	380	U H
2-Methylnaphthalene			400	U *	400	U H	350	U *	360	U H	380	U *	380	U H
Acenaphthylene			400	U *	20	J H	350	U *	360	U H	380	U *	380	U H
Acenaphthene	555.8	9576.0	400	U *	400	U H	350	U *	360	U H	380	U *	380	U H
Fluorene	31.8	547.2	400	U *	400	U H	350	U *	360	U H	380	U *	380	U H
Phenanthrene	476.0	8208.0	89	J *	140	J H	350	U *	360	U H	380	U *	380	U H
Anthracene	424.8	7318.8	17	J *	23	J H	350	U *	360	U H	380	U *	380	U H
Fluoranthene	404.9	6976.8	190	J *	310	J H	350	U *	360	U H	380	U *	380	U H
Pyrene	3815.2	65732.0	170	J *	280	J H	350	U *	360	U H	380	U *	380	U H
Benzo[a]anthracene	47.6	820.8	69	J *	120	J H	350	U *	360	U H	380	U *	380	U H
Chrysene			110	J *	190	J H	350	U *	360	U H	380	U *	380	U H
Benzo[b]fluoranthene			160	J *	220	J H	350	U *	360	U H	380	U *	380	U H
Benzo[k]fluoranthene			53	J *	89	J H	350	U *	360	U H	380	U *	380	U H
Benzo[a]pyrene			100	J	160	J H	350	U	360	U H	380	U	380	U H
Indeno[1,2,3-cd]pyrene			200	J	140	J H	350	U	360	U H	380	U	380	U H
Dibenz(a,h)anthracene			400	U	400	U H	350	U	360	U H	380	U	380	U H
Benzo[g,h,i]perylene			280	J	140	J H	350	U	360	U H	380	U	380	U H
Total PAHs		4,000-10,000	1438		1832		0		0		0		0	

: Total PAH concentration is between 4,000 and 10,000 ug/kg. Location may require remediation.

: Total PAH, concentration exceeded 10,000 ug/kg. Remediation is required

QUALIFIERS

GC/MS Semi VOA

*: LCS or LCSD exceeds the control limits

H: Sample was prepped or analyzed beyond the specified holding time

J: Indicates an estimated value.

U: Analyzed for but not detected.

Table 3
Primary and Secondary Laboratory PAH Results
from 300-Foot and 500-Foot Transect Sediment Samples
Supplemental RFI Investigation

CHGE Eltings Corners Facility
Town of Lloyd, New York

Sample ID	Site Specific Sediment	Site Specific Sediment	SP-22A		SP-22A		SP-22B		SP-22B		SP-22C		SP-22C	
Lab Sample Number	Screening Criteria	Screening Criteria	220-10653-28		220-10653-28		220-10653-29		220-10653-29		220-10653-30		220-10653-30	
Sampling Date			11/6/2009 3:00:00 PM		11/6/2009 3:00:00 PM		11/6/2009 3:02:00 PM		11/6/2009 3:02:00 PM		11/6/2009 3:04:00 PM		11/6/2009 3:04:00 PM	
Matrix			Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor			1		1		1		1		1		1	
Units			ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
			Low		SECONDARY|Low		Low		SECONDARY|Low		Low		SECONDARY|Low	
GC/MS Semi VOA - 8270C(ug/kg)	SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)	SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maiximum TOC concentration) (ug/kg)												
Naphthalene	119.1	2052.0	570	U *	35	J H	54	J *	45	J H	36	J *	28	J H
2-Methylnaphthalene			570	U *	21	J H	49	J *	41	J H	30	J *	21	J H
Acenaphthylene			570	U *	29	J H	80	J *	80	J H	74	J *	82	J H
Acenaphthene	555.8	9576.0	47	J *	81	J H	82	J *	72	J H	80	J *	69	J H
Fluorene	31.8	547.2	54	J *	86	J H	95	J *	76	J H	81	J *	77	J H
Phenanthrene	476.0	8208.0	640	*	910	H	1200	*	980	H	810	*	790	H
Anthracene	424.8	7318.8	120	J *	180	J H	200	J *	160	J H	190	J *	170	J H
Fluoranthene	404.9	6976.8	1200	*	1500	H	2400	*	2200	H	2400	*	2200	H
Pyrene	3815.2	65732.0	1900	*	2000	H	4900	*	3100	H	4900	*	3000	H
Benzo[a]anthracene	47.6	820.8	670	*	710	H	1400	*	1100	H	1200	*	960	H
Chrysene			840	*	950	H	1900	*	1600	H	1800	*	1400	H
Benzo[b]fluoranthene			900	*	980	H	2000	*	1800	H	1800	*	1700	H
Benzo[k]fluoranthene			330	J *	360	J H	740	*	620	J H	710	*	690	H
Benzo[a]pyrene			740		780	H	1700		1300	H	1500		1200	H
Indeno[1,2,3-cd]pyrene			1200		790	H	2500		1500	H	2000		1400	H
Dibenz(a,h)anthracene			420	J	180	J H	750		330	J H	580		270	J H
Benzo[g,h,i]perylene			1300		800	H	2400		1500	H	1800		1400	H
Total PAHs		4,000-10,000	**10361**		**10392**		**22450**		**16504**		**19991**		**15457**	

: Total PAH concentration is between 4,000 and 10,000 ug/kg.

: Total PAH, concentration exceeded 10,000 ug/kg. Remediati

QUALIFIERS

GC/MS Semi VOA

*: LCS or LCSD exceeds the control limits

H: Sample was prepped or analyzed beyond the specified holding time

J: Indicates an estimated value.

U: Analyzed for but not detected.

Table 3
Primary and Secondary Laboratory PAH Results
from 300-Foot and 500-Foot Transect Sediment Samples
Supplemental RFI Investigation

CHGE Eltings Corners Facility
Town of Lloyd, New York

Sample ID	Site Specific Sediment	Site Specific Sediment	SP-23A		SP-23A		SP-23B		SP-23B		SP-23C		SP-23C	
Lab Sample Number	Screening Criteria	Screening Criteria	220-10653-31		220-10653-31		220-10653-32		220-10653-32		220-10653-33		220-10653-33	
Sampling Date			11/6/2009 3:10:00 PM		11/6/2009 3:10:00 PM		11/6/2009 3:12:00 PM		11/6/2009 3:12:00 PM		11/6/2009 3:14:00 PM		11/6/2009 3:14:00 PM	
Matrix			Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor			1		1		1		1		1		1	
Units			ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
			Low		SECONDARY|Low		Low		SECONDARY|Low		Low		SECONDARY|Low	
GC/MS Semi VOA - 8270C(ug/kg)	SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)	SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maiximum TOC concentration) (ug/kg)												
Naphthalene	119.1	2052.0	390	U *	400	U H	370	U *	390	U H	360	U *	370	U H
2-Methylnaphthalene			390	U *	400	U H	370	U *	390	U H	360	U *	370	U H
Acenaphthylene			25	J *	36	J H	370	U *	390	U H	360	U *	370	U H
Acenaphthene	555.8	9576.0	390	U *	400	U H	370	U *	390	U H	360	U *	370	U H
Fluorene	31.8	547.2	390	U *	400	U H	370	U *	390	U H	360	U *	370	U H
Phenanthrene	476.0	8208.0	24	J *	28	J H	370	U *	390	U H	360	U *	370	U H
Anthracene	424.8	7318.8	390	U *	400	U H	370	U *	390	U H	360	U *	370	U H
Fluoranthene	404.9	6976.8	140	J *	100	J H	370	U *	390	U H	360	U *	370	U H
Pyrene	3815.2	65732.0	120	J *	140	J H	370	U *	24	J H	360	U *	370	U H
Benzo[a]anthracene	47.6	820.8	99	J *	95	J H	370	U *	390	U H	360	U *	370	U H
Chrysene			120	J *	110	J H	370	U *	390	U H	360	U *	370	U H
Benzo[b]fluoranthene			160	J *	150	J H	370	U *	390	U H	360	U *	370	U H
Benzo[k]fluoranthene			65	J *	68	J H	370	U *	390	U H	360	U *	370	U H
Benzo[a]pyrene			89	J	98	J H	370	U	390	U H	360	U	370	U H
Indeno[1,2,3-cd]pyrene			220	J	130	J H	370	U	390	U H	360	U	370	U H
Dibenz(a,h)anthracene			390	U	400	U H	370	U	390	U H	360	U	370	U H
Benzo[g,h,i]perylene			390	U	110	J H	370	U	390	U H	360	U	370	U H
Total PAHs		4,000-10,000	1062		1065		0		24		0		0	

: Total PAH concentration is between 4,000 and 10,000 ug/kg.

: Total PAH, concentration exceeded 10,000 ug/kg. Remediati

QUALIFIERS

GC/MS Semi VOA

*: LCS or LCSD exceeds the control limits

H: Sample was prepped or analyzed beyond the specified holding time

J: Indicates an estimated value.

U: Analyzed for but not detected.

Table 3
Primary and Secondary Laboratory PAH Results
from 300-Foot and 500-Foot Transect Sediment Samples
Supplemental RFI Investigation

CHGE Eltings Corners Facility
Town of Lloyd, New York

Sample ID	Site Specific Sediment	Site Specific Sediment	SP-27A		SP-27A		SP-27B		SP-27B		SP-27C		SP-27C	
Lab Sample Number	Screening Criteria	Screening Criteria	220-10653-43		220-10653-43		220-10653-44		220-10653-44		220-10653-45		220-10653-45	
Sampling Date			11/6/2009 4:20:00 PM		11/6/2009 4:20:00 PM		11/6/2009 4:22:00 PM		11/6/2009 4:22:00 PM		11/6/2009 4:24:00 PM		11/6/2009 4:24:00 PM	
Matrix			Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor			1		1		1		1		1		1	
Units			ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
			Low		SECONDARY|Low		Low		SECONDARY|Low		Low		SECONDARY|Low	
GC/MS Semi VOA - 8270C(ug/kg)	SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)	SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maiximum TOC concentration) (ug/kg)												
Naphthalene	119.1	2052.0	360	U *	360	U H	380	U *	390	U H	360	U *	360	U H
2-Methylnaphthalene			360	U *	360	U H	380	U *	390	U H	360	U *	360	U H
Acenaphthylene			160	J *	220	J H	190	J *	140	J H	360	U *	43	J H
Acenaphthene	555.8	9576.0	360	U *	26	J H	380	U *	390	U H	360	U *	360	U H
Fluorene	31.8	547.2	23	J *	30	J H	23	J *	390	U H	360	U *	360	U H
Phenanthrene	476.0	8208.0	270	J *	380	H	230	J *	210	J H	360	U *	74	J H
Anthracene	424.8	7318.8	81	J *	120	J H	82	J *	66	J H	360	U *	26	J H
Fluoranthene	404.9	6976.8	1600	*	1800	H	2200	*	1500	H	140	J *	520	H
Pyrene	3815.2	65732.0	1900	*	2300	H	2000	*	1400	H	110	J *	500	H
Benzo[a]anthracene	47.6	820.8	670	*	860	H	960	*	610	H	58	J *	210	J H
Chrysene			730	*	1000	H	980	*	690	H	62	J *	230	J H
Benzo[b]fluoranthene			950	*	1200	H	1400	*	910	H	82	J *	290	J H
Benzo[k]fluoranthene			390	*	450	H	700	*	350	J H	38	J *	110	J H
Benzo[a]pyrene			750		920	H	1000		620	H	60	J	200	J H
Indeno[1,2,3-cd]pyrene			910		960	H	1000		470	H	360	U	160	J H
Dibenz(a,h)anthracene			280	J	200	J H	390		93	J H	360	U	360	U H
Benzo[g,h,i]perylene			860		880	H	980		410	H	230	J	140	J H
Total PAHs		4,000-10,000	9574		11346		12135		7469		780		2503	

: Total PAH concentration is between 4,000 and 10,000 ug/kg.

: Total PAH, concentration exceeded 10,000 ug/kg. Remediati

QUALIFIERS

GC/MS Semi VOA

*: LCS or LCSD exceeds the control limits

H: Sample was prepped or analyzed beyond the specified holding time

J: Indicates an estimated value.

U: Analyzed for but not detected.

Table 3
Primary and Secondary Laboratory PAH Results
from 300-Foot and 500-Foot Transect Sediment Samples
Supplemental RFI Investigation

CHGE Eltings Corners Facility
Town of Lloyd, New York

Sample ID	Site Specific Sediment	Site Specific Sediment	SP-28A		SP-28A		SP-28B		SP-28B		SP-28C		SP-28C	
Lab Sample Number	Screening Criteria	Screening Criteria	220-10653-46		220-10653-46		220-10653-47		220-10653-47		220-10653-48		220-10653-48	
Sampling Date			11/6/2009 3:30:00 PM		11/6/2009 3:30:00 PM		11/6/2009 3:32:00 PM		11/6/2009 3:32:00 PM		11/6/2009 3:34:00 PM		11/6/2009 3:34:00 PM	
Matrix			Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor			1		1		1		1		1		1	
Units			ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
			Low		SECONDARY|Low		Low		SECONDARY|Low		Low		SECONDARY|Low	
GC/MS Semi VOA - 8270C(ug/kg)	SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)	SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maiximum TOC concentration) (ug/kg)												
Naphthalene	119.1	2052.0	740	U *	760	U H	99	J *	150	J H	53	J *	27	J H
2-Methylnaphthalene			32	J *	25	J H	67	J *	120	J H	42	J *	24	J H
Acenaphthylene			41	J *	50	J H	180	J *	360	J H	150	J *	91	J H
Acenaphthene	555.8	9576.0	85	J *	68	J H	130	J *	210	J H	60	J *	32	J H
Fluorene	31.8	547.2	80	J *	60	J H	190	J *	390	J H	130	J *	68	J H
Phenanthrene	476.0	8208.0	900	*	670	J H	1100	*	1600	H	810	*	640	H
Anthracene	424.8	7318.8	170	J *	120	J H	290	J *	530	J H	250	J *	130	J H
Fluoranthene	404.9	6976.8	1800	*	1400	H	2700	*	4600	H	2500	*	1800	H
Pyrene	3815.2	65732.0	3500	*	2300	H	4900	*	8100	H	5400	*	3100	H
Benzo[a]anthracene	47.6	820.8	1000	*	790	H	1600	*	2500	H	1200	*	750	H
Chrysene			1300	*	1000	H	2300	*	4000	H	1800	*	1000	H
Benzo[b]fluoranthene			1400	*	450	J H	2800	*	4700	H	2000	*	1500	H
Benzo[k]fluoranthene			610	J *	430	J H	1100	*	1600	H	830	*	500	H
Benzo[a]pyrene			1200		920	H	2000		3300	H	1600		1000	H
Indeno[1,2,3-cd]pyrene			2100		1100	H	2900		4900	H	2300		1600	H
Dibenz(a,h)anthracene			880		220	J H	660	J	1100	H	640		500	H
Benzo[g,h,i]perylene			2200		1200	H	2900		5000	H	2100		1600	H
Total PAHs		4,000-10,000	**17298**		**10803**		**25916**		**43160**		**21865**		**14362**	

: Total PAH concentration is between 4,000 and 10,000 ug/kg.

: Total PAH, concentration exceeded 10,000 ug/kg. Remediati

QUALIFIERS

GC/MS Semi VOA

*: LCS or LCSD exceeds the control limits

H: Sample was prepped or analyzed beyond the specified holding time

J: Indicates an estimated value.

U: Analyzed for but not detected.

Table 3
Primary and Secondary Laboratory PAH Results
from 300-Foot and 500-Foot Transect Sediment Samples
Supplemental RFI Investigation

CHGE Eltings Corners Facility
Town of Lloyd, New York

Sample ID	Site Specific Sediment	Site Specific Sediment	SP-29A		SP-29A		SP-29B		SP-29B		SP-29C		SP-29C	
Lab Sample Number	Screening Criteria	Screening Criteria	220-10653-49		220-10653-49		220-10653-50		220-10653-50		220-10653-51		220-10653-51	
Sampling Date			11/6/2009 3:20:00 PM		11/6/2009 3:20:00 PM		11/6/2009 3:22:00 PM		11/6/2009 3:22:00 PM		11/6/2009 3:24:00 PM		11/6/2009 3:24:00 PM	
Matrix			Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor			1		1		1		1		1		1	
Units			ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
			Low		SECONDARY|Low		Low		SECONDARY|Low		Low		SECONDARY|Low	
GC/MS Semi VOA - 8270C(ug/kg)	SSSC for Benthic Aquatic Life Chronic Toxicity (based on Minimum TOC concentration) (ug/kg)	SSSC for Benthic Aquatic Life Chronic Toxicity (based on Maiximum TOC concentration) (ug/kg)												
Naphthalene	119.1	2052.0	390	U *	410	U H	320	U *	330	U H	370	U *	370	U H
2-Methylnaphthalene			390	U *	410	U H	320	U *	330	U H	370	U *	370	U H
Acenaphthylene			390	U *	410	U H	320	U *	330	U H	370	U *	370	U H
Acenaphthene	555.8	9576.0	390	U *	410	U H	320	U *	330	U H	370	U *	370	U H
Fluorene	31.8	547.2	390	U *	410	U H	320	U *	330	U H	370	U *	370	U H
Phenanthrene	476.0	8208.0	390	U *	22	J H	320	U *	330	U H	370	U *	370	U H
Anthracene	424.8	7318.8	390	U *	410	U H	320	U *	330	U H	370	U *	370	U H
Fluoranthene	404.9	6976.8	43	J *	41	J H	320	U *	330	U H	370	U *	370	U H
Pyrene	3815.2	65732.0	45	J *	54	J H	320	U *	330	U H	370	U *	370	U H
Benzo[a]anthracene	47.6	820.8	22	J *	26	J H	320	U *	330	U H	370	U *	370	U H
Chrysene			390	U *	410	U H	320	U *	330	U H	370	U *	370	U H
Benzo[b]fluoranthene			35	J *	39	J H	320	U *	330	U H	370	U *	370	U H
Benzo[k]fluoranthene			390	U *	410	U H	320	U *	330	U H	370	U *	370	U H
Benzo[a]pyrene			390	U	410	U H	320	U	330	U H	370	U	370	U H
Indeno[1,2,3-cd]pyrene			390	U	410	U H	320	U	330	U H	370	U	370	U H
Dibenz(a,h)anthracene			390	U	410	U H	320	U	330	U H	370	U	370	U H
Benzo[g,h,i]perylene			390	U	410	U H	320	U	330	U H	370	U	370	U H
Total PAHs		4,000-10,000	145		182		0		0		0		0	

: Total PAH concentration is between 4,000 and 10,000 ug/kg.

: Total PAH, concentration exceeded 10,000 ug/kg. Remediati

QUALIFIERS

GC/MS Semi VOA

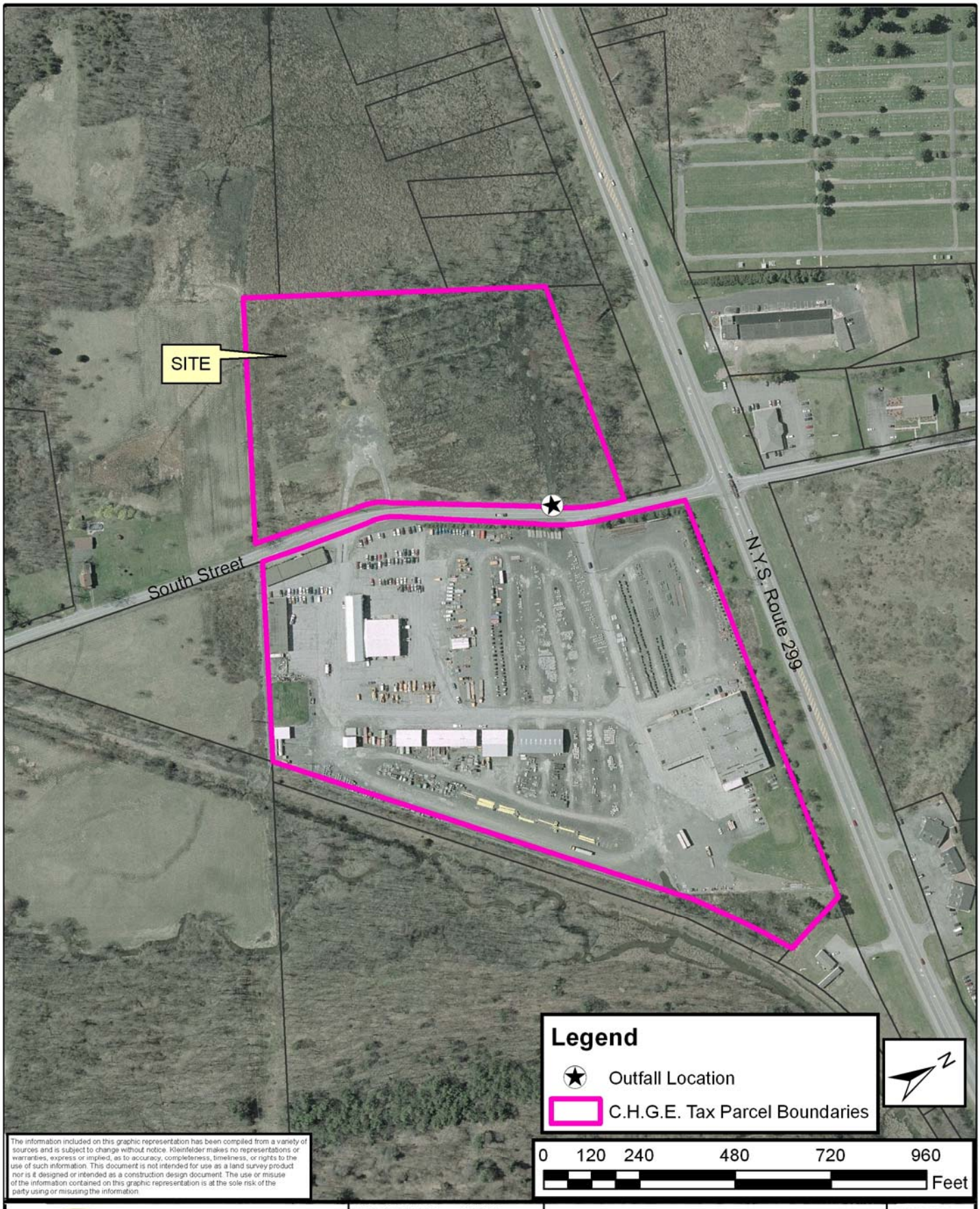
*: LCS or LCSD exceeds the control limits

H: Sample was prepped or analyzed beyond the specified holding time

J: Indicates an estimated value.

U: Analyzed for but not detected.

Figures



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www.kleinfelder.com

PROJECT NO.	99768
DRAWN:	12/21/09
DRAWN BY:	JMM
CHECKED BY:	JC
FILE NAME:	ECSampleLocationMap.mxd

Location Map

Source: NYS GIS Clearinghouse 2004 ORTHOPHOTO

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

FIGURE
1

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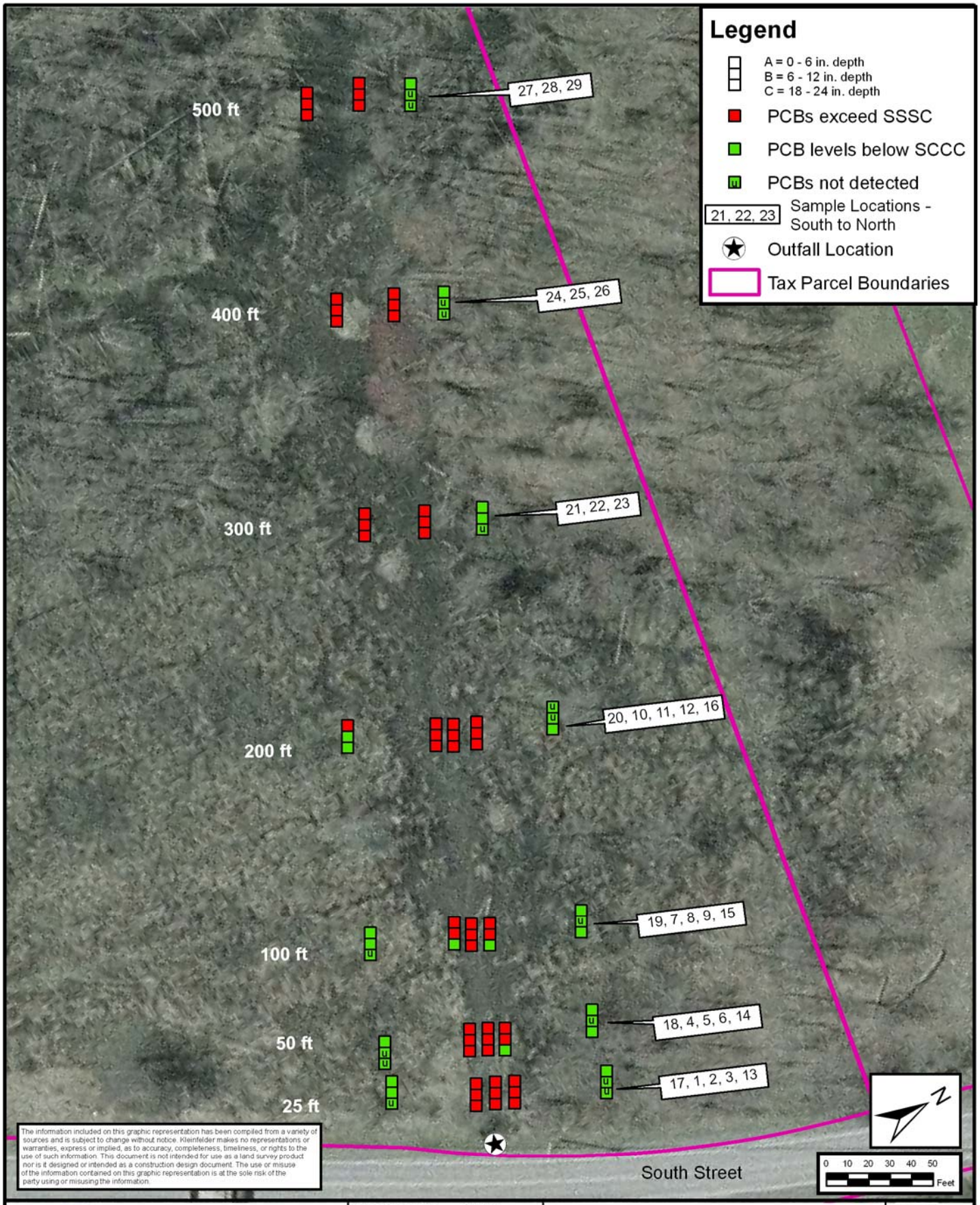
PROJECT NO.	99768
DRAWN:	12/21/09
DRAWN BY:	JMM
CHECKED BY:	JC
FILE NAME:	ECSampleLoc.mxd

WETLAND SEDIMENT SAMPLING LOCATIONS

Source: NYS GIS Clearinghouse 2004 ORTHOPHOTO

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

FIGURE
2



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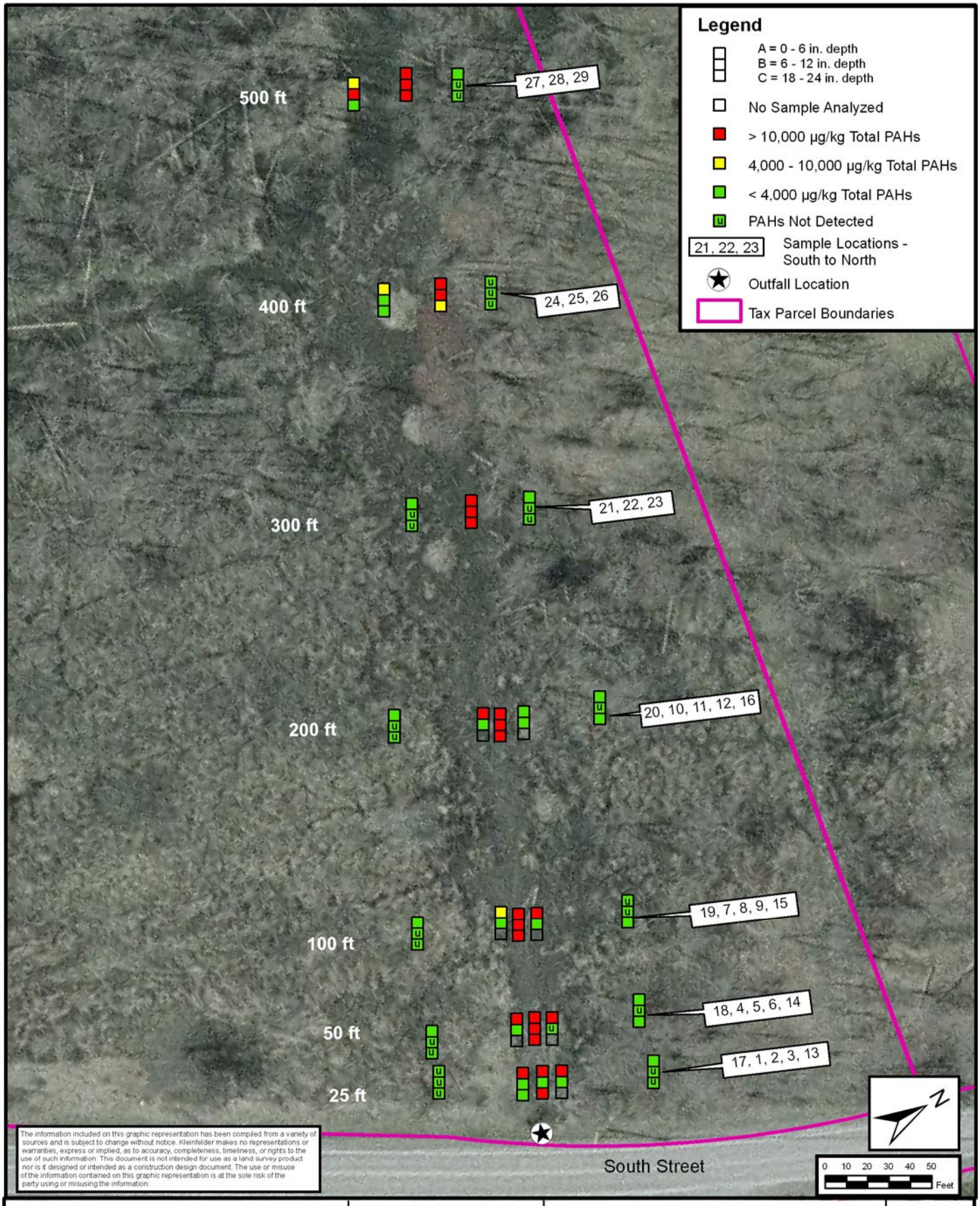
PROJECT NO.	99768
DRAWN:	12/21/09
DRAWN BY:	JMM
CHECKED BY:	JC
FILE NAME:	ECSamplePCB.mxd

PCB Results Based on SCCC for Wildlife Bioaccumulation

Source: NYS GIS Clearinghouse 2004 ORTHOPHOTO

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

FIGURE
3



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PROJECT NO.	99768
DRAWN:	12/21/09
DRAWN BY:	JMM
CHECKED BY:	JC
FILE NAME:	ECSamplePAH.mxd

Total PAH Results

Source: NYS GIS Clearinghouse 2004 ORTHOPHOTO

C.H.G.E. CORP
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FIGURE
4

Appendix A

Laboratory Analytical Packages