NYSEG

NEW YORK STATE ELECTRIC & GAS CORPORATION
Corporate Drive, Kirkwood Industrial Park, P.O. Box 5224
Binghamton, New York 13902-5224

INTERIM REMEDIAL MEASURES

FINAL ENGINEERING REPORT

FOR ACTIVITIES AT

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT SITE
City of Ithaca, Tompkins County, New York

AUGUST 2001

Prepared By:
NYSEG Licensing & Environmental Operations Department

Reviewed and Approved By:

New York State Department of Environmental Conservation

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List of Acronyms Referred to in the Document

ACGIH	American Congress of Government Industrial Hygienists
ALJ	Administrative Law Judge
ANSI	American National Standards Institute
AQMP	Air-Quality Monitoring Program
ASP	analytical service protocol
ASTM	American Society for Testing and Materials
AWQC	Ambient Water Quality Criteria
BTEX	benzene, toluene, ethylbenzene and xylenes
BTU	British thermal unit
cPAH	Carcinogenic Polycyclic Aromatic Hydrocarbons
C	centigrade
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
COC	Chain-of-Custody
CPP	Citizen Participation Plan
CPR	cardiopulmonary resuscitation
CQAP	Construction Quality Assurance Plan
CTS	coal tar soils
DEC	Department of Environmental Conservation
DI	deionized
DUSR	Data Usability Summary Report
ECL	Environmental Conservation Law
EEI	Edison Electric Institute
ELAP	Environmental Laboratory Approval Program
EMS	Emergency Medical Services
EPA	Environmental Protection Agency
EPRI	Electric Power Research Institute
F	Fahrenheit
FS	Feasibility Study
GC	gas chromatograph
GCS-DN	gas chromatograph station downwind
GCS-UP	gas chromatograph station upwind
GHF	former gas holder foundation
HASP	Health and Safety Plan
HEPA	high efficiency particulate air
HSM	Health & Safety Manager
IARC	International Agency for Research on Cancer
ID	identification
IDLH	immediately dangerous to life
IRMs	interim remedial measures
Kg	kilogram
L	liter

LGAC	liquid-phase granular activated carbon
mg	milligram
MGP	manufactured gas plant
MS	matrix spike
MCD	matrix spike duplicate
MMBTU	million British thermal units
MSDS	material safety data sheet
NCP	National Contingency Plan
NIOSH	National Institute for Occupational Safety and Health
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
NYSEG	New York State Electric & Gas Corporation
OSHA	Occupational Safety and Health Act or Administration
PAHs	polycyclic aromatic hydrocarbons
PC	personal computer
PCBs	polychlorinated biphenyls
PEL	permissible exposure limits
PHSC	Project Health and Safety Coordinator
PID	photo ionization detector
POTW	Public Owned Treatment Works
PM	Project Manager
ppb	part per billion
PPE	personal protective equipment
ppm	parts per million
PSA	preliminary site assessment
QA	quality assurance
QAPP	Quality Assurance Project Plan
QA/QC	quality assurance/quality control
QC	quality control
O&M	operation and maintenance
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
RI/FS	remedial investigation/feasibility study
ROD	record of decision
RTS1	Real-time Station 1
RTS4	Real-time Station 4
SAP	Sampling and Analysis Plan
SCGs	Standards, Criteria, and Guidance
SGC	short-term guideline concentrations
SHSO	Site Health & Safety Officer
SPL	sound pressure level
STEL	short-term exposure limits
SVOCs	semivolatile organic compounds

SW	solid waste
T & A	time and activity
TAGM	technical and administrative guidance memorandum
TCLP	toxicity characteristic leachate procedure
TLVs	threshold limit values
TPAH	total polycyclic aromatic hydrocarbons
UFPO	Underground Facility Protection Organization
USEPA	United States Environmental Protection Agency
VOCs	volatile organic compounds
VOA	volatile organic analysis
WBGT	wet bulb globe temperature

1.0 INTRODUCTION

This report documents the implementation of the approved remedial measures at NYSEG previously owned coal tar site located in the Ithaca, New York. The remedial work can be substantially characterized as controlled removal and disposal of contaminated water, soil, and coal tar associated with two (2) underground former tar storage vessels.

The remedial work was proposed in a document titled *Interim Redial Measures (IRM) Work Plan,* which was reviewed and approved by New York State Department of Environmental Conservation (NYSDEC) in accordance with Section III of the Order on Consent (Index No. DO-0002-9309). The *IRM* was conducted from February 21,2000 through March 18, 2000.

1.1 Site History

The history of coal gas production at the Ithaca Court Street Site dates from 1853. In that year, the Ithaca Gas Light Company, founded in October 1852, began distributing gas to the citizens of Ithaca. The company changed ownership in the 1860's and again in 1898. In 1916, the city gas and electric companies were merged to form the Ithaca Gas and Electric Company. This company grew rapidly over the next few years through mergers with other gas and electric companies in the region and in 1918 it was named New York State Gas and Electric Company. Coal Gas production continued at Court Street until 1927 when a new water gas plant at First Street in Ithaca became operational. Presently the Ithaca City School Districts owns the Site.

1.2 Executive Summary

The *IRM* was successfully completed in a safe and timely manner with essentially no impact to the ambient air quality as documented in the results of the community air monitoring plan. There were no unresolved complaints for odor, traffic, and/or dust.

The overall goal of the IRM was to remove the contents of two subsurface concrete tar storage structures and to remove any wooden ducts or piping encountered by normal excavation techniques.

1.3 Certification

I hereby certify that all activities that comprised this *IRM* were performed in full accordance with the NYSDEC approved Work Plan and Order on Consent Index No. DO-0002-9309.

Signature: Joseph M Simone

Name: Joseph M. Simone, PE
Title: Supervising Engineer
License Number: 073728

2.0 PROJECT OBJECTIVES

The overall goal of the *IRM* was to remove and dispose a mixture of water and coal tar contained in two subsurface concrete structures. This work will include pumping, excavating and cleaning of structures. In addition, all piping connected to the concrete structures and entering the building will be removed and/or plugged. Excavate a trench parallel with concrete structure No. 2 to locate the wooden duct that connects the Ithaca Court Street former manufacturing plant site and the Ithaca Cayuga Inlet cal tar site.

3.0 PROJECT EXECUTION

This Project was completed in accordance with the *IRM Work Plan*. Site remediation activities began on February 21, 2000 and were completed on March 18, 2000. The site restoration (paving and fencing) was completed in June 2000.

The contents of the two subsurface concrete structures and the surrounding soils were sampled in situ per the *Pre-Remediation In Situ Sampling & Analysis Work Plan For Activities At Ithaca Court Street Former Manufactured Gas plant Site* approved by New York State Department of Environmental Conservation (NYSDEC). During the In Situ Sampling project soil, water and tar were sampled and analyzed for waste characterization. Based on the results of the in situ sampling (see Appendix D), the soil was either transported to (1) disposed at Seneca Meadows' Non Hazardous Industrial Solid Waste Landfill, in the Town of Waterloo, New York, (2) disposed of at Horizon Environmental, Inc. Landfill, Grandes-Piles, Quebec, Canada, and (3) thermally treated at Casie/Mart Vineland, New Jersey. Waste which Casie/Mart could not process by thermal treatment was disposed at Safety-Kleen LTD, Corunna, Ontario, Canada.

3.1 Summary of Excavation

The excavation of soil above and surrounding the subsurface concrete structures was accomplished through open cut excavation techniques. Excavation was supervised by a competent person (29 CFR 1926.650) to maintain compliance with the Occupational Safety and Health Administration's (OSHA's) excavation standards. The concrete tops were removed and the liquid contents of the structures were pumped directly into vacuum tankers and transported to either Casie/Mart, Vineland, Jersey or Norlite Corporation, Cohoes, New York . The remaining material

inside the concrete structures was blended with cement kiln dust, placed into dump trailers and transported to Casie/Mart, Vineland, Jersey.

A scrubber and tar separator were encountered while removing piping north of the Structure 2. The scrubber and tar separator were removed and disposed of with the soil at Horizon Environmental, Inc. Grandes-Piles, Quebec, Canada. In addition, a wooden duct was removed from the tar separator back to the west near the former plant (see Figure 5). The section of the wooden duct that was removed was disposed at the fore mentioned facility. The remaining wooden duct entering the plant was plugged with a non shrinking grout.

A trench (see Figure 5) was excavated on the south side of Structure No. 2 in an attempt to locate the wooden duct that connected the Ithaca Court Street manufacturing gas plant site and the Ithaca Cayuga Inlet coal tar site. No evidence of a wooden duct was found during this work.

3.2 Engineering Controls

There was minimum odors or fugitive vapors emanating from the excavation. On only a few occasions was BIO SOLVE®, an emission suppressant, used during excavation. The BIO SOLVE® was applied using a pressure washer.

Dust was controlled by misting the excavated area and asphalt parking lot with water.

During the initial removal operations, odor concerns were brought up by the occupants of the Markles Flats Building adjacent to the coal tar structures. NYSEG in conjunction with the NYSDOH performed real-time air monitoring for volatile organic compounds (VOCs) with a photo ionization detector (PID) inside the building. The air monitoring results were non detect for chemicals of concern. As an added engineering control, NYSEG covered the windows of the Markles Flats Building with polythylene sheeting. There were no additional concerns brought to the attention of NYSEG or the NYSDOH.

3.3 Disposal Summary

Solid material that was classified as non-hazardous waste based upon the pre-remediation in situ sampling (see Appendix B) was loaded directly into dump trailers

and transported to Seneca Meadows Landfill, Waterloo, New York for disposal (see Table 3-1).

Solid material that was classified as RCRA Hazardous was transported either to (1) Casie/Mart, Vineland, New Jersey and/or (2) Horizon Environmental, Inc. Grandes-Piles, Quebec, Canada (see Table 3-1).

Water and liquid tar classified as RCRA Hazardous has transported either to (1) Casie/Mart, Vineland, Jersey and/or (2) Norlite Corporation, Cohoes, New York (see Table 3-2).

Table 3-1 Solid Material Disposition Summary

SOLID MATERIAL DISPOSITION	TONNAGE
Casie/Mart, Vineland, New Jersey (Safety-Kleen LTD, Corunna, Ontario, Canada)	18.47 tons soil (25 cu yds C&D)
Horizon Environmental, Inc. Grandes-Piles, Quebec, Canada	236.22
Seneca Meadows Landfill, Waterloo, New York	542.28
* For list of shipments by date, see Appendix C	

Table 3-2 Water and Liquid Tar Disposition Summary

WATER AND LIQUID TAR DISPOSITION	GALLONS
Casie/Mart, Vineland, New Jersey	18,626
Norlite Corporation, Cohoes, New York	8,290
* For list of shipments by date, see Appendix C	

3.4 Restoration

The concrete structures and the areas of excavation outside the structures were filled with gravel and compacted. In addition, crush stone was added to keep the parking lot area clean until the Site was paved in June 2000.

NYSEG's paving contractor returned in June to prepare Site for paving. Gravel and stone was removed and disposed by the contractor down to a depth of 4-inches. The edges of the existing asphalt were saw cut and asphalt and soil was removed and disposed in Seneca Meadows Landfill, Waterloo, New York. The areas were then compacted prior to paving. The Site was paved with a 3-inch base and a 1-inch top course of asphalt per NYSEG's specification.

In addition, NYSEG's 40 hour Haz Woper trained employees using a NYSEG line truck drilled holes for the relocated fencing. The soil from the drilling was removed and disposed of in Seneca Meadows Landfill, Waterloo, New York. The fencing was installed per Ithaca City School District's preference.

3.5 Post Excavation Sampling

The analytical results of all post excavation samples are shown on Figure 5 and are summarized in Appendix E along with a copy of the laboratory reports. A Data Usability Summary Report (DUSR) narrative for all confirmation samples collected is also included in Appendix F.

While the primary objective of the IRM was to remove coal tar and coal tar contaminated water from the subsurface concrete structures, excavation and trenching were undertaken to locate and remove piping, remove a small subsurface concrete scrubber and a wooden tar separator in the general vicinity of Area 2. Confirmation samples were taken in the vicinity of the former locations of the removed subsurface structures to document the concentration of residual contaminants remaining after the excavation. The confirmation samples collected exhibited low to moderate concentrations of total benzene and total PAHs. The remaining contamination issues will be addressed in the upcoming remedial investigation/feasibility study where a final remedy for the site will be determined.

4.0 COMMUNITY AIR MONITORING

4.1 Real-Time Air Monitoring - Volatile Organic Compounds & Total Suspended Particulates

Real time air quality data were collected from the site perimeter using (1) a Mini-Rae™ photo ionization detector (PID) to monitor total volatile organic compound (VOC) releases; and (2) a Mini-Ram™ to monitor total airborne suspended

particulates, in accordance with sections 5.3.2 and 5.3.3 of the *Work Plan*. The real-time measurements were taken hourly to determine if air quality at the site perimeter was being impacted by excavation activities and whether excavation activities should be suspended. The peak total VOC and total suspended particulate data are presented in Table 4-1. A complete summary of real-time air monitoring data can be found in Appendix D.

The results of the real-time community air monitoring indicate that the concentrations for total VOC and total suspended particulates, as measured during the project, did not exceed the action levels specified in the *Work Plan*. Hence, excavation activities were not interrupted due to unacceptable levels of total VOCs or total suspended particulates measured at the site perimeter.

Table 4-1 Summary of Results Real-Time Air Monitoring Program

Ithaca Court Street FORMER MGP SITE
2000 IRM REMEDIATION PROJECT
Summary of Results
Real-Time Air Monitoring Program
February 23, 2000 through March 10, 2000

Parameter	Action Levels	Peak Concentration
Total VOC	5.0 ppm *	3.3 ppm***
Total Suspended Particulates	0.15 mg/M^3 **	0.10 mg/M^3****

Note: A summary of all Real-Time Air Monitoring results can be found in Appendix D.
* Note: The OSHA (1910.1028) Short-Term exposure limit is 5.0 ppm.
** NYSDEC TAGM HWR-89-4031
*** March 3, 2000 , 11:42, RTS-2
**** March 2, 2000, 12:38, RTS-2

4.2 Speciated Real-Time Air Monitoring (BTEX)

A significant effort in determining BTEX (benzene, toluene, ethylbenzene and xylenes) compounds in ambient air was undertaken during the Ithaca Court Street Former MGP Site 2000 Remediation Project. The purpose in generating these data was twofold: (1) to supplement total VOC real-time air measurements with a specific benzene measurement if the total VOC action level of 5 ppm was exceeded; and (2) to document emissions of BTEX to the surrounding community during

periods of construction activity potentially conducive to the airborne release of these compounds.

Upwind and downwind air sampling stations were set up at the site perimeter based on meteorological data. Air samples were collected at the perimeter stations and analyzed on-site using a portable gas chromatograph (GC) in accordance with Section 5.3.4 of the *Work Plan*. The results of average and peak BTEX concentrations for the speciated real-time air monitoring program are summarized in Table 4-2. A complete summary of speciated BTEX air monitoring results can be found in Appendix D.

The results of the speciated real-time air monitoring indicate that the peak and average concentration for benzene exceeded the Short Term Guidance Concentration (SGC) as published in NYSDEC's Air Guide-1. It should be noted that the average benzene result of 0.011 ppm only marginally exceeded the benzene SGC of 0.009 ppm. Further, the peak benzene concentration of 0.23 ppm was well below the Vapor Emission Response Plan action level of 0.5 ppm at the Site perimeter. The peak and average concentrations for ethylbenzene, toluene and the xylenes were below their respective SGCs.

On March 3, 2000, one air sample was submitted to the laboratory for determination of BTEX compounds by EPA method TO-14 after it had been run by the on-site portable GC. This was done to compare the results being generated by the on-site portable GC with more sensitive and sophisticated laboratory methodology. The results of the lab and portable GC determinations are presented for comparison in Table 4-3. The laboratory report is presented in Appendix D. The laboratory results were in fair agreement with the results generated by the portable GC for benzene being slightly higher, with a relative percent difference calculated at 23.6. The agreement between the lab and field results for toluene were excellent with a relative percent difference calculated at 3.5.

It should be noted that all ambient air samples were collected in a grab sampling fashion over approximately thirty minute periods and at a frequency of every two hours as specified in Section 5.3.4 of the *Work Plan*. The Air Guide-1 SGCs are based on time-weighted average data which typically relate to the results of continuous sampling averaged over an eight to ten-hour period. While the SGCs may provide a reference point in considering the relative magnitude of BTEX compounds as collected at the grab sampling points, the fundamental difference

between time-weighted average and grab sampling data should be taken into account. The average values calculated in Table 4-2 are the arithmetic mean values for all results of grab sampling for the entire project.

Table 4-2 Summary of Results Speciated BTEX Air Monitoring Program

Ithaca Court Street MGP IRM
Speciated BTEX Air Monitoring Program
Summary of Results

Compound	Air Guide-1 SGCs (ppm)	Average* Concentration (ppm)	Peak Concentration (ppm)
Benzene	0.009	0.011	0.230***
Toluene	24	0.006	0.095
Ethylbenzene	23	<0.008	<0.008
m,p-Xylene	23**	<0.04	<0.04
o-Xylene	23**	<0.02	<0.02

Note: A summary of all Speciated BTEX Community Air Monitoring results can be found in Appendix D.
* Note: Average of all readings measured for the duration of the entire project. Project duration: 2/24/00 through 3/10/00
** SGC for Total Xylenes
*** March 1, 2000, 14:00, RTS-4

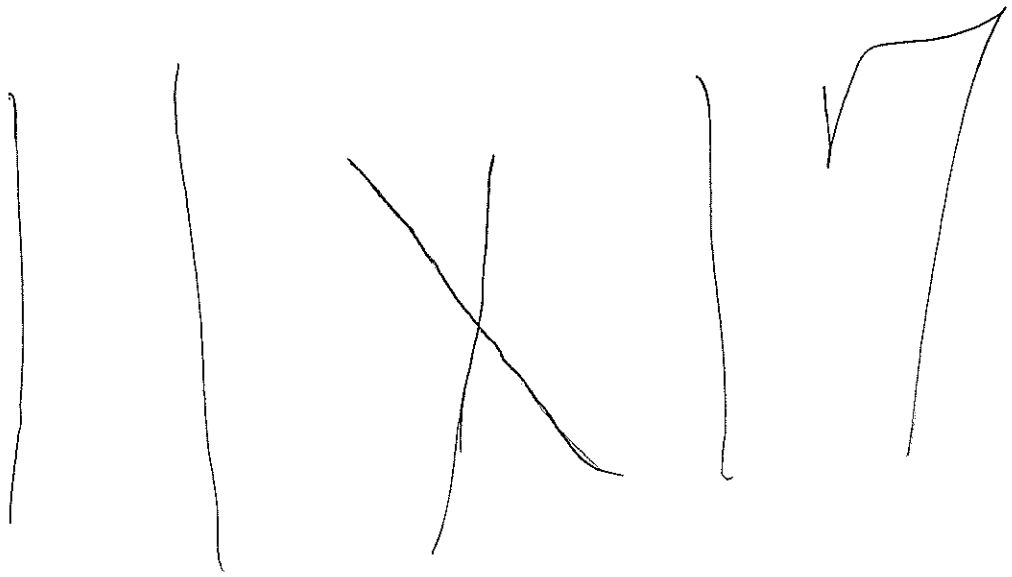
Table 4-3 Speciated BTEX Air Monitoring Program Split Sample Data Comparison

Table 4-3
Ithaca Court Street MGP IRM
Speciated BTEX Air Monitoring Program
Laboratory Analysis
Split Sample Data Comparison*

Sample ID/ Date/Time/ Station	Analyte	Portable GC Result** (PerkinElmer-Voyager Field Instrument)	Laboratory Result** (EPA Method TO-14)	Relative Percent Difference
D108000302 03/02/00 08:00 RTS-1	Benzene	0.071	0.056	23.6
	Toluene	0.029	0.028	3.51
	Ethylbenzene	<0.008	0.00071	N/A
	m, p-Xylene	<0.04	0.0031	N/A
	o-Xylene	<0.02	<0.00093	N/A

* All laboratory work was performed by Performance Analytical, 2665 Park Center Drive, Simi Valley, CA 93065
** All results presented in parts per million (ppm)

FIGURES



Dwgs.

APPENDIX A

PHOTOGRAPHIC LOG

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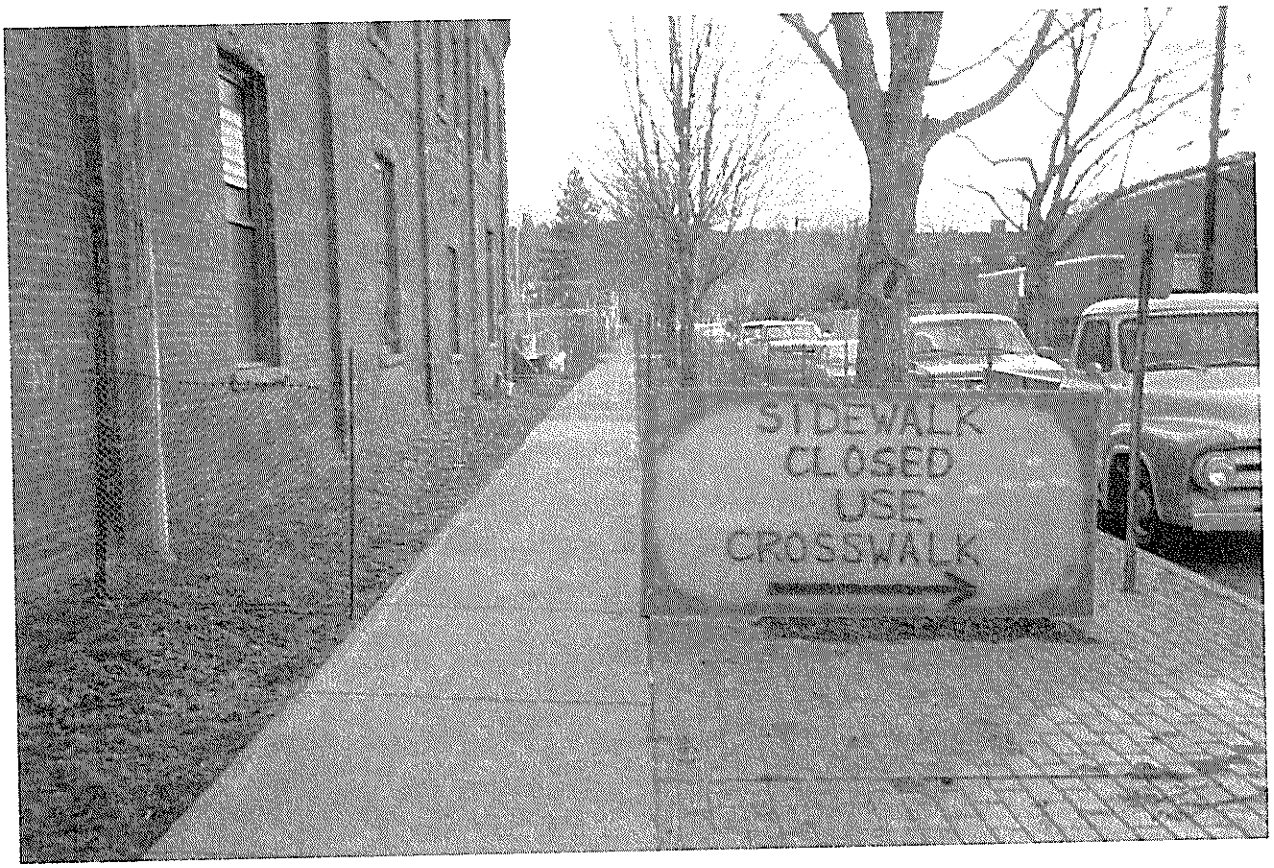

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 1

Looking east, NYSEG was granted a City of Ithaca Street Notification, Permit Number 5745, to close sidewalk on north side of Court Street between North Plain Street and North Albany Street. This allowed pedestrians to cross Court Street at the crosswalks.

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ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 2

Vacuum trucks were used to remove the water and tar from both structures 1 & 2. The water and tar was disposed at either Casie/Mart, Vineland, New Jersey or Norlite Corporation, Cohoes, New York.

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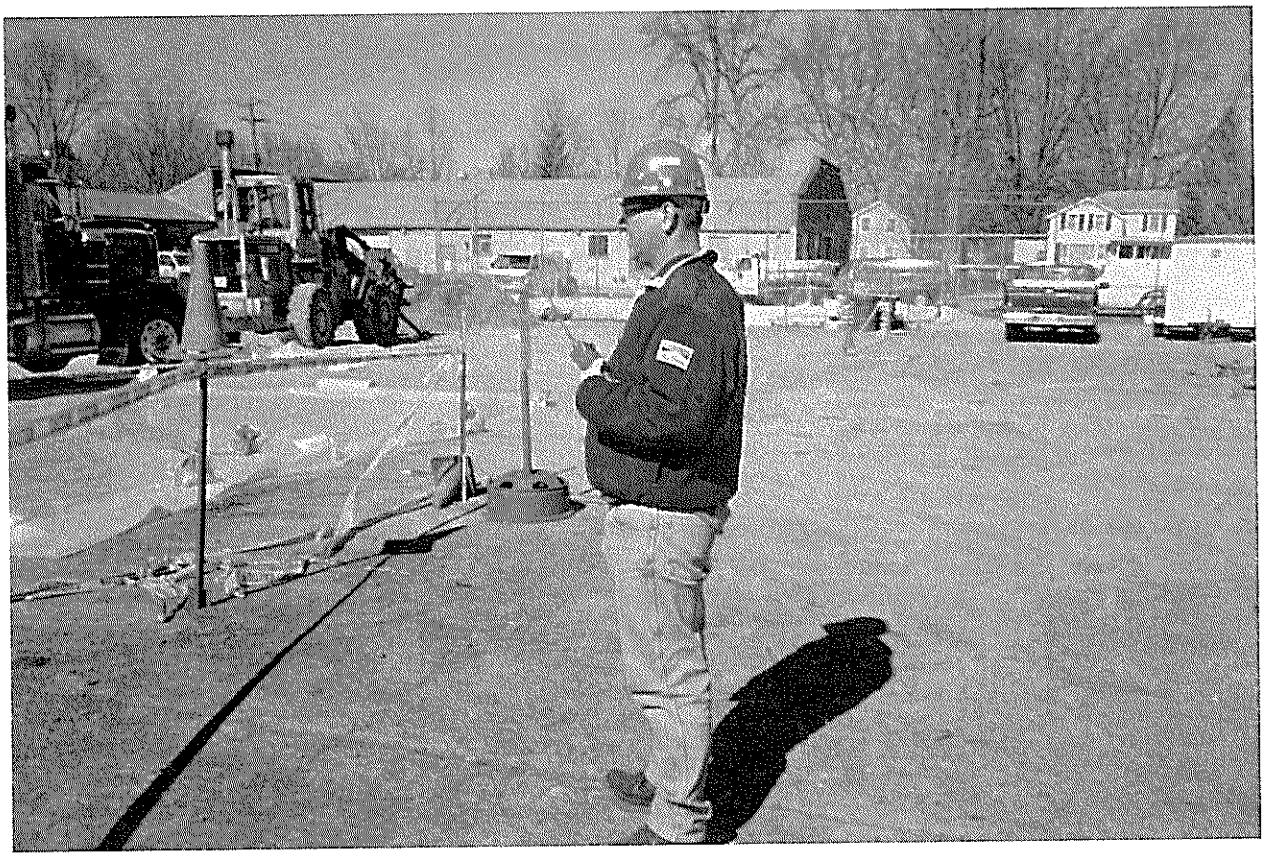

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 3

Real-time air monitoring was collected from the perimeter of the site using portable instrumentation in accordance with a periodic monitoring protocol. Real-time monitoring commenced at the start of each work day and continued until daily activities ceased.

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ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 4

Looking southeast, structure 1 had a convex top. Worker is placing rails that will be used to guide the masonry saw.

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ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 5

Looking southeast, the top of structure 1 was saw cut and removed. The contents of the structure were removed by a vacuum truck.

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ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 6

Looking west, Structure 2 had a flat top. Holes were drilled through the top for cabling before lifting top off of structure.

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ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 7

Looking west, once the top was removed from structure 2, the remaining liquid contents in the structure could be removed by vacuum trucks. The bottom solids were mixed with cement kiln dust and removed with an excavator.

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ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 8

Looking west, as part of the IRM engineering controls polyethylene sheeting was used to cover the structures to control odors.

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ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 9

Looking east, cement kiln dust was added to the tar for material handling at Casie/Mart thermal treatment facility.

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ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 10
FEBRUARY 2000

Looking east, all of the water, free phase tar and sludge were removed from concrete structure 2. The sides and bottom of the structure was scrapped with the bucket of the excavator and washed using a power washer. The sides and bottom of the structure were in good condition, with no evidence of leakage.

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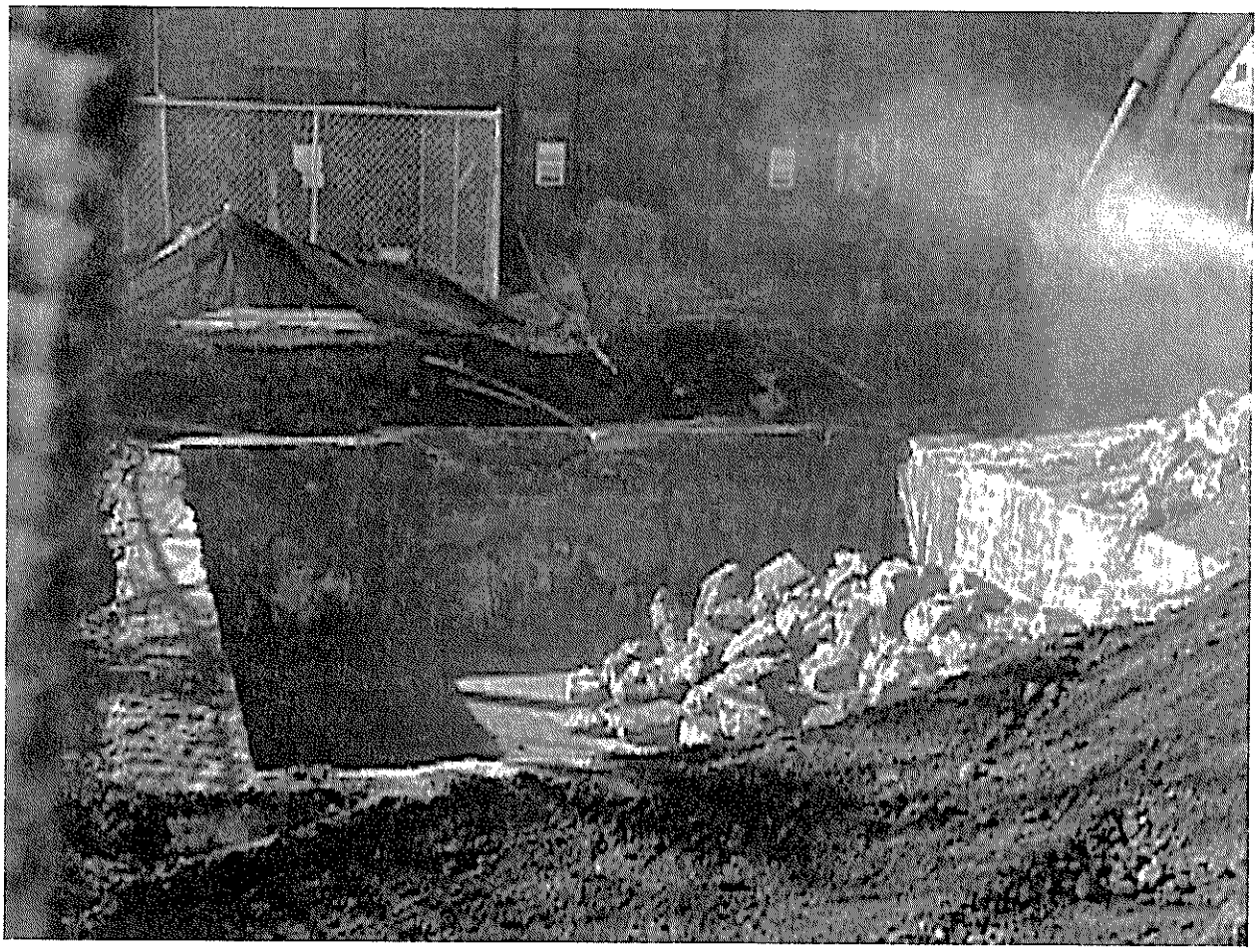

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 11
FEBRUARY 2000

Looking west, The concrete top of the structure was broken up into small pieces. The pieces were then cleaned using a power washer. With NYSDEC approval, the concrete was placed along the north side of structure 2. The structure was then filled with gravel.

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ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 12
FEBRUARY 2000

Looking east from the north east corner of the Markles Flats Building, This area is where the scrubber and tar separator was located. The scrubber, tar separator and contaminated soil was removed in this area.

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ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 13
FEBRUARY 2000

Looking west, wooden duct (2'-8" below grade) was removed from the tar separator back to this location (31 feet north of the Markles Flats Building and 38 feet east of the maintenance area of the building). During this remediation project no wooden duct was discovered that lead to Court Street.

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ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 14
FEBRUARY 2000

Looking west, prior to backfilling, the end of the wooden duct was plugged with a non shrinking grout.

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ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 15
FEBRUARY 2000

Looking east, a trench was excavated along Structure 2 in an attempt to locate the wooden duct that continues west down Court Street to the Cayuga Inlet Coal Tar Site. There was no evidence that the wooden duct was located in this area. Since several utilities are located at the east end of the Markles Flats Building, the trench stopped approximately 6 feet from the building. It is unknown if the wooden duct was located in this area.

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ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 16
MARCH 2000

Looking south, NYSEG removed asphalt that was damaged by heavy traffic of dump trailers and equipment. The asphalt and soil was disposed at Seneca Meadows Landfill. Gravel and stone was placed in this area for the Winter. In June 2000, asphalt was placed in the areas disturbed during the remediation project.

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ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 17
MARCH 2000

Looking southeast, the edges of the asphalt was saw cut and gravel was placed and compacted. #1 stone was placed over the gravel until surface was prepared for paving in June 2000.

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ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 18
MARCH 2000

Looking south, area of Structure 1, all edges of the asphalt was saw cut and gravel was placed and compacted. #1 stone was placed over the gravel temporarily until the surface was prepared again for paving in June 2000.

APPENDIX B

PRE-REMEDIATION
IN SITU SAMPLES ANALYTICAL RESULTS

NOTE:

REVISED VOLUMES AND DIMENSIONS ON FIGURE 3B PER FIELD INVESTIGATION ON 01/15/00

ITHACA COURT STREET FORMER MGP SITE SUBSURFACE TAR VESSELS **REVISED VOLUMES**			
CONTENTS	VESSEL 1 **Est. Inside Dimensions** (7'W X 21'L X 12'D)	VESSEL 2 **Est. Inside Dimensions** (18'W X 21'L X 7'D)	TOTAL
Aqueous Phase (Sample ID)	**10,900 gal** (ICQWWXX01G)	**9,000 gal** (ICQWWXX02G)	**19,900 gal**
Tar / Sludge (Sample ID)	**2,200 gal** (ICXCTXX01G)	**8,500 gal** (ICXCTXX02G)	**10,700 gal**
Total	**13,100 gal**	**17,500 gal**	**30,600 gal**

New York State Electric & Gas Corporation
Ithaca Court St MGP
Interim Remedial Measures (IRM) Project
Analytical Results of Pre-remediation In Situ Sampling
Waste Characterization of Subsurface Tar Vessels Contents
Tar Vessels 1 and 2

Tar Vessel	Matrix	Sample ID	Sample Collect Date	TCLP Benzene (ppm)	Total Benzene	RCRA Waste Classification	Estimated Volume (Gallons)
1	Water	ICQWWXX01G	01/15/00	NA	32	Hazardous	10,900
	Coal Tar	ICXCTXX01G	01/15/00	19	NA	Hazardous*	2,200
2	Water	ICQWWXX02G	01/15/00	NA	65	Hazardous	9,000
	Coal Tar	ICXCTXX02G	01/15/00	19	NA	Hazardous**	8,500

ND means not analyzed.

*Also carries EPA D003 waste code due to the presence of Reactive Sulfide at 1040 ppm.

** Also carries the following waste EPA codes: (1) D004 due to the presence of Arsenic at 9.7 ppm; (2) D010 due to the presence of Selenium at 1.3 ppm.

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

FEB 5 2000

NYS E. & G. CO.

LABORATORY REPORT

for

NYS Electric & Gas
Kirkwood Industrial Park
Corporate Drive, PO 5224
Binghamton, NY 13902

Attention: John Ruspantini

Purchase Order #: CONTRACT:98-154
Order #: AUTH:2000-01
Additional Parameters

Report date: 01/28/00
Number of samples analyzed: 5
AES Project ID: 000118 0
Invoice #: 208770

ELAP ID#: 10709

AIHA ID#: 7866

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICQWWXXO2G
AES sample #: OOO118 OO1 Samples taken by: J.R./B.B. Location: Ithaca Court St
MATRIX: Water grab
Date Sampled: 01/15/00
Date sample received: 01/18/00

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Paint Filter	SW-846	Positive		PL-B-13	01/20/00
Flashpoint	ASTM D93-80	>200	°F	PL-E-43	01/20/00
Heat Value	ASTM D240-76	<1000	btu/lb	PL-O	01/21/00
Corrosivity	SW-846	Non	Corosive	LS-T-14	01/18/00
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-H-44	01/21/00
Cyanide	EPA-335.3	<1	mg/l	MC-D	01/20/00
Sulfide	EPA-376.1	12	mg/l	MC-H-44	01/21/00
Arsenic	EPA-200.7	<0.005	mg/l	KH-I-3B-60	01/20/00
Barium	EPA-200.7	0.16	mg/l	KH-I-3B-60	01/20/00
Cadmium	EPA-200.7	<0.005	mg/l	KH-I-3B-60	01/20/00
Chromium	EPA-200.7	<0.005	mg/l	KH-I-3B-60	01/20/00
Lead	EPA-200.7	<0.005	mg/l	KH-I-3B-60	01/20/00
Mercury	EPA-245.1	<0.0004	mg/l	MW-PSO-70	01/19/00
Selenium	EPA-200.7	<0.005	mg/l	KH-I-3B-60	01/20/00
Silver	EPA-200.7	<0.02	mg/l	KH-I-3B-60	01/20/00
Iron	EPA-200.7	5.84	mg/l	KH-I-3B-60	01/20/00
Chloromethane	EPA-624	<5000	ug/l	MG-BU-31	01/20/00
Bromomethane	EPA-624	<5000	ug/l	MG-BU-31	01/20/00
Vinyl Chloride	EPA-624	<5000	ug/l	MG-BU-31	01/20/00
Chloroethane	EPA-624	<5000	ug/l	MG-BU-31	01/20/00

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Experience is the solution
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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICQWWXXO2G
AES sample #: 000118 001 Samples taken by: J.R./B.B.
MATRIX: Water

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Methylene Chloride	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
Trichlorofluoromethane	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
1,1-Dichloroethene	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
1,1-Dichloroethane	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
1,2-Dichloroethene Total	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
Chloroform	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
1,2-Dichloroethane	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
1,1,1-Trichloroethane	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
Carbon Tetrachloride	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
Bromo dichloromethane	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
1,2 Dichloropropane	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
trans-1,3-Dichloropropene	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
Trichloroethene	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
Benzene	EPA-624	65,000	ug/l	MG-BU-31	01/20/00
Dibromochloromethane	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
1,1,2-Trichloroethane	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
cis-1,3-Dichloropropene	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
2-Chloroethylvinylether	EPA-624	<5000	ug/l	MG-BU-31	01/20/00
Bromoform	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
1,1,2,2-Tetrachloroethane	EPA-624	<2500	ug/l	MG-BU-31	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICQWWXXO2G
AES sample #: 000118 001 Samples taken by: J.R./B.B.
MATRIX: Water

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Tetrachloroethene	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
Toluene	EPA-624	32,000	ug/l	MG-BU-31	01/20/00
Chlorobenzene	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
Ethylbenzene	EPA-624	1200 J	ug/l	MG-BU-31	01/20/00
Xylenes,Total	EPA-624	9000	ug/l	MG-BU-31	01/20/00
Styrene	EPA-624	6500	ug/l	MG-BU-31	01/20/00
Acenaphthene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Acenaphthylene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Anthracene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Benzo(a)anthracene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Benzo(b)fluoranthene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Benzo(k)fluoranthene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Benzo(g,h,i)perylene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Benzo(a)pyrene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Benzidine	EPA-625	<8000	ug/l	MT-BW-1	01/21/00
Butylbenzylphthalate	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Bis(2-Chloroethoxy)methane	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Bis(2-Chloroethyl)ether	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Bis(2-Chloroisopropyl)ether	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Bis(2-Ethylhexyl)phthalate	EPA-625	<1000	ug/l	MT-BW-1	01/21/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICQWWXX02G
AES sample #: 000118 001
Samples taken by: J.R./B.B.
MATRIX: Water
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Bromophenylphenyl ether	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
2-Chloronaphthalene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Chlorophenylphenyl ether	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Chrysene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Dibenzo(a,h)anthracene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Di-n-butylphthalate	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
1,2-Dichlorobenzene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
,3-Dichlorobenzene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
1,4-Dichlorobenzene	EPA-625	<2000	ug/l	MT-BW-1	01/21/00
3,3'-Dichlorobenzidine	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Diethylphthalate	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Dimethylphthalate	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
2,4-Dinitrotoluene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
2,6-Dinitrotoluene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Di-n-octylphthalate	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Fluoranthene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Fluorene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Hexachlorobenzene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Hexachlorobutadiene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Hexachlorocyclopentadiene					

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICQWWXXO2G
AES sample #: 000118 001 Samples taken by: J.R./B.B.
MATRIX: Water

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Hexachloroethane	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Indeno(1,2,3-cd)pyrene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Isophorone	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Napnthalene	EPA-625	5800	ug/l	MT-BW-1	01/21/00
Nitrobenzene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
N-Nitroso-di-n-propylamine	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
N-Nitrosodiphenylamine	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
N-Nitrosodimethylamine	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
1,2 Diphenylhydrazine	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Phenanthrene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Pyrene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
1,2,4-Trichlorobenzene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
4-Chloro-3-methylphenol	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
2-Chlorophenol	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
2,4-Dichlorophenol	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
2,4-Dimethylphenol	EPA-625	3600	ug/l	MT-BW-1	01/21/00
2,4-Dinitrophenol	EPA-625	<5000	ug/l	MT-BW-1	01/21/00
4,6-Dinitro-2-Methylphenol	EPA-625	<5000	ug/l	MT-BW-1	01/21/00
4-Nitrophenol	EPA-625	<5000	ug/l	MT-BW-1	01/21/00
2-Nitrophenol	EPA-625	<1000	ug/l	MT-BW-1	01/21/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICQWWXXO2G
AES sample #: 000118 001 Samples taken by: J.R./B.B. Location: Ithaca Court St
MATRIX: Water grab

Date Sampled: 01/15/00
Date sample received: 01/18/00

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Pentachlorophenol	EPA-625	<5000	ug/l	MT-BW-1	01/21/00
Phenol	EPA-625	14,000	ug/l	MT-BW-1	01/21/00
2,4,6-Trichlorophenol	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
2-Methylnaphthalene	EPA-625	700 J	ug/l	MT-BW-1	01/21/00
2-Methylphenol	EPA-625	7000	ug/l	MT-BW-1	01/21/00
4-Methylphenol	EPA-625	13,000	ug/l	MT-BW-1	01/21/00
Total Suspended Solids	EPA-160.2	12	mg/l	PL-P-19	01/26/00
Total Solids	EPA 160.3	928	mg/l	LS-P-19	01/27/00
Oil & Grease	EPA-1664	<6.6	mg/l	JF-Y-45	01/27/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICXCTXXO2G
AES sample #: OOO118 OO2
Samples taken by: J.R./B.B.
MATRIX: Liquid Waste
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Total Solids	ASTM-D3987-85	34	%	SB-430	01/18/00
Ignitability	EPA-600S4-85	Non	Ignitabl	PL-E-43	01/20/00
Heat Value	ASTM D240-76	16,070	btu/lb	PL-O	01/20/00
Corrosivity	SW-846	Non	Corosive	LS-T-20	01/19/00
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-H-44	01/21/00
Cyanide	EPA-9012	<1	ug/g	MC-D	01/20/00
Sulfide	EPA-9030	200	ug/g	MC-H-44	01/21/00
Cyanide,Total	EPA-9012	<1	ug/g	MC-D	01/20/00
Sulfur	ASTM-D-4294	1.2	%	MG	01/21/00
Arsenic	EPA-6010	9.99	ug/g	KH-I-3B-60	01/20/00
Barium	EPA-6010	0.8	ug/g	KH-I-3B-60	01/20/00
Cadmium	EPA-6010	<0.25	ug/g	KH-I-3B-60	01/20/00
Chromium	EPA-6010	<0.25	ug/g	KH-I-3B-60	01/20/00
Lead	EPA-6010	0.38	ug/g	KH-I-3B-60	01/20/00
Mercury	EPA-7470	0.05	ug/g	MW-PSO-70	01/19/00
Selenium	EPA-6010	1.38	ug/g	KH-I-3B-60	01/20/00
Silver	EPA-6010	<1	ug/g	KH-I-3B-60	01/20/00
Iron	EPA-6010	13	ug/g	KH-I-3B-60	01/20/00
PCB	EPA-8082	<1	ug/g	KF-PCBAE12	01/18/00
TCLP Extraction (ZHE)	EPA-1311	Complete		MT-BW-1	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICXCTXX02G
AES sample #: 000118 002
Samples taken by: J.R./B.B.
MATRIX: Liquid Waste
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzene - TCLP Extract	EPA-8260	19,000	mg/l	MG-BU-31	01/20/00
Carbon Tetrachloride-TCLP Ext.	EPA-8260	<250	mg/l	MG-BU-31	01/20/00
Chlorobenzene-TCLP Extract	EPA-8260	<250	mg/l	MG-BU-31	01/20/00
Chloroform-TCLP Extract	EPA-8260	<250	mg/l	MG-BU-31	01/20/00
1,2-Dichloroethane-TCLP Ext.	EPA-8260	<250	mg/l	MG-BU-31	01/20/00
1,1-Dichloroethene-TCLP Ext.	EPA-8260	<500	mg/l	MG-BU-31	01/20/00
Methyl Ethyl Ketone-TCLP Ext.	EPA-8260	<250	mg/l	MG-BU-31	01/20/00
Tetrachlorethylene-TCLP Ext.	EPA-8260	<250	mg/l	MG-BU-31	01/20/00
Trichloroethylene-TCLP Extract	EPA-8260	<500	mg/l	MG-BU-31	01/20/00
Vinyl Chloride-TCLP Extraction	EPA-8260	Complete		MT-BU-31	01/20/00
TCLP Extraction	EPA-1311	<1000	mg/l	MT-BW-1	01/21/00
Nitrobenzene-TCLP Extract	EPA-8270	<1000	mg/l	MT-BW-1	01/21/00
Pyridine-TCLP Extract	EPA-8270	<1000	mg/l	MT-BW-1	01/21/00
Cresols (Total) TCLP Extract.	EPA-8270	<1000	mg/l	MT-BW-1	01/21/00
1,4-Dichlorobenzene-TCLP Ext.	EPA-8270	<1000	mg/l	MT-BW-1	01/21/00
2,4-Dinitrotoluene-TCLP Ext.	EPA-8270	<1000	mg/l	MT-BW-1	01/21/00
Hexachlorobenzene-TCLP Extract	EPA-8270	<1000	mg/l	MT-BW-1	01/21/00
Hexachlorobutadiene-TCLP Ext.	EPA-8270	<1000	mg/l	MT-BW-1	01/21/00
Hexachloroethane-TCLP Extract	EPA-8270	<5000	mg/l	MT-BW-1	01/21/00
Pentachlorophenol-TCLP Extract	EPA-8270				

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICXCTXXO2G
AES sample #: 000118 002
Samples taken by: J.R./B.B.
MATRIX: Liquid Waste
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
grab

continued: PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
2,4,5-Trichlorophenol-TCLP Ext	EPA-8270	<1000	mg/l	MT-BW-1	01/21/00
2,4,6-Trichlorophenol-TCLP Ext	EPA-8270	<1000	mg/l	MT-BW-1	01/21/00
Chlordane -TCLP Extract	EPA-8081	<50	mg/l	KS-TG-C-41	01/19/00
Endrin-TCLP Extract	EPA-8081	<10	mg/l	KS-TG-C-41	01/19/00
Heptachlor-TCLP Extract	EPA-8081	<10	mg/l	KS-TG-C-41	01/19/00
Heptachlor Epoxide-TCLP Ext.	EPA-8081	<10	mg/l	KS-TG-C-41	01/19/00
Lindane-TCLP Extract	EPA-8081	<10	mg/l	KS-TG-C-41	01/19/00
Methoxychlor-TCLP Extract	EPA-8081	<100	mg/l	KS-TG-C-41	01/19/00
Toxaphene-TCLP Extract	EPA-8081	<1000	mg/l	KS-TG-C-41	01/19/00
2,4-D TCLP Extract	EPA-8151	<50	mg/l	KS-TG-C-41	01/20/00
2,4,5-TP (Silvex)-TCLP Extract	EPA-8151	<10	mg/l	KS-TG-C-41	01/20/00
Arsenic-TCLP Extraction	EPA-6010	9.7	mg/l	KH-I-3B-60	01/20/00
Barium-TCLP Extraction	EPA-6010	0.8	mg/l	KH-I-3B-60	01/20/00
Cadmium-TCLP Extraction	EPA-6010	<0.25	mg/l	KH-I-3B-60	01/20/00
Chromium-TCLP Extraction	EPA-6010	<0.25	mg/l	KH-I-3B-60	01/20/00
Lead-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00
Mercury-TCLP Extraction	EPA-7470	0.05	mg/l	MW-PSO-70	01/19/00
Selenium-TCLP Extraction	EPA-6010	1.3	mg/l	KH-I-3B-60	01/20/00
Silver-TCLP Extraction	EPA-6010	<1	mg/l	KH-I-3B-60	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICQWWXXO1G
AES sample #: 000118 003 Samples taken by: J.R./B.B.
MATRIX: Wastewater

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Paint Filter	SW-846	Positive		PL-B-13	01/20/00
Flashpoint	ASTM D93-80	>200	°F	PL-E-43	01/20/00
Heat Value	ASTM D240-76	<1000	btu/lb	PL-O	01/21/00
Corrosivity	SW-846	Non	Corosive	LS-T-14	01/18/00
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-H-44	01/21/00
Cyanide	EPA-335.3	<1	mg/l	MC-D	01/20/00
Sulfide	EPA-376.1	<10	mg/l	MC-H-44	01/21/00
Arsenic	EPA-200.7	<0.005	mg/l	KH-I-3B-60	01/20/00
Barium	EPA-200.7	0.05	mg/l	KH-I-3B-60	01/20/00
Cadmium	EPA-200.7	<0.005	mg/l	KH-I-3B-60	01/20/00
Chromium	EPA-200.7	<0.005	mg/l	KH-I-3B-60	01/20/00
Lead	EPA-200.7	0.016	mg/l	KH-I-3B-60	01/20/00
Mercury	EPA-245.1	0.006	mg/l	MW-PSO-70	01/19/00
Selenium	EPA-200.7	<0.005	mg/l	KH-I-3B-60	01/20/00
Silver	EPA-200.7	<0.02	mg/l	KH-I-3B-60	01/20/00
Iron	EPA-200.7	0.91	mg/l	KH-I-3B-60	01/20/00
Chloromethane	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
Bromomethane	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
Vinyl Chloride	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
Chloroethane	EPA-624	<2500	ug/l	MG-BU-31	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICQWWXXO1G
AES sample #: 000118 003 Samples taken by: J.R./B.B.
MATRIX: Wastewater

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Methylene Chloride	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
Trichlorofluoromethane	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
1,1-Dichloroethene	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
1,1-Dichloroethane	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
1,2-Dichloroethene Total	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
Chloroform	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
1,2-Dichloroethane	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
1,1,1-Trichloroethane	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
Carbon Tetrachloride	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
Bromo dichloromethane	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
1,2 Dichloropropane	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
trans-1,3-Dichloropropene	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
Trichloroethene	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
Benzene	EPA-624	32,000	ug/l	MG-BU-31	01/20/00
Dibromochloromethane	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
1,1,2-Trichloroethane	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
cis-1,3-Dichloropropene	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
2-Chloroethylvinylether	EPA-624	<2500	ug/l	MG-BU-31	01/20/00
Bromoform	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
1,1,2,2-Tetrachloroethane	EPA-624	<1250	ug/l	MG-BU-31	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICQWWXXO1G
AES sample #: 000118 003
Samples taken by: J.R./B.B.
MATRIX: Wastewater
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Tetrachloroethene	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
Toluene	EPA-624	19,000	ug/l	MG-BU-31	01/20/00
Chlorobenzene	EPA-624	<1250	ug/l	MG-BU-31	01/20/00
Ethylbenzene	EPA-624	2200	ug/l	MG-BU-31	01/20/00
Xylenes,Total	EPA-624	7200	ug/l	MG-BU-31	01/20/00
Styrene	EPA-624	2000	ug/l	MG-BU-31	01/20/00
Acenaphthene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Acenaphthylene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Anthracene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Benzo(a)anthracene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Benzo(b)fluoranthene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Benzo(k)fluoranthene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Benzo(g,h,i)perylene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Benzo(a)pyrene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Benzidine	EPA-625	<8000	ug/l	MT-BW-1	01/21/00
Butylbenzylphthalate	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Bis(2-Chloroethoxy)methane	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Bis(2-Chloroethyl)ether	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Bis(2-Chloroisopropyl)ether	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Bis(2-Ethylhexyl)phthalate	EPA-625	<1000	ug/l	MT-BW-1	01/21/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICQWWXXO1G
AES sample #: 000118 003
Samples taken by: J.R./B.B.
MATRIX: Wastewater
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Bromophenylphenyl ether	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
2-Chloronaphthalene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Chlorophenylphenyl ether	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Chrysene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Dibenzo(a,h)anthracene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Di-n-butylphthalate	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
1,2-Dichlorobenzene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
1,3-Dichlorobenzene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
1,4-Dichlorobenzene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
3,3'-Dichlorobenzidine	EPA-625	<2000	ug/l	MT-BW-1	01/21/00
Diethylphthalate	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Dimethylphthalate	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
2,4-Dinitrotoluene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
2,6-Dinitrotoluene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Di-n-octylphthalate	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Fluoranthene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Fluorene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Hexachlorobenzene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Hexachlorobutadiene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Hexachlorocyclopentadiene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICQWWXXO1G
AES sample #: 000118 003
Samples taken by: J.R./B.B.
MATRIX: Wastewater
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Hexachloroethane	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Indeno(1,2,3-cd)pyrene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Isophorone	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Naphthalene	EPA-625	4700	ug/l	MT-BW-1	01/21/00
Nitrobenzene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
N-Nitroso-di-n-propylamine	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
N-Nitrosodiphenylamine	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
N-Nitrosodimethylamine	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
1,2 Diphenylhydrazine	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Phenanthrene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
Pyrene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
1,2,4-Trichlorobenzene	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
4-Chloro-3-methylphenol	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
2-Chlorophenol	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
2,4-Dichlorophenol	EPA-625	3000	ug/l	MT-BW-1	01/21/00
2,4-Dimethylphenol	EPA-625	<5000	ug/l	MT-BW-1	01/21/00
2,4-Dinitrophenol	EPA-625	<5000	ug/l	MT-BW-1	01/21/00
4,6-Dinitro-2-Methylphenol	EPA-625	<5000	ug/l	MT-BW-1	01/21/00
4-Nitrophenol	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
2-Nitrophenol					

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICQWWXXO1G
AES sample #: 000118 003
Samples taken by: J.R./B.B.
MATRIX: Wastewater
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Pentachlorophenol	EPA-625	<5000	ug/l	MT-BW-1	01/21/00
Phenol	EPA-625	6100	ug/l	MT-BW-1	01/21/00
2,4,6-Trichlorophenol	EPA-625	<1000	ug/l	MT-BW-1	01/21/00
2-Methylnaphthalene	EPA-625	600 J	ug/l	MT-BW-1	01/21/00
2-Methylphenol	EPA-625	4800	ug/l	MT-BW-1	01/21/00
4-Methylphenol	EPA-625	8400	ug/l	MT-BW-1	01/21/00
Total Solids	EPA 160.3	640	mg/l	LS-P-19	01/27/00
il & Grease	EPA-1664	4.0	mg/l	JF-Y-45	01/27/00
Total Suspended Solids	EPA-160.2	31	mg/l	PL-P-19	01/26/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICXCTXXO1G
AES sample #: 000118 004
Samples taken by: J.R./B.B.
MATRIX: Liquid Waste
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Total Solids	ASTM-D3987-85	44	%	SB-430	01/18/00
Ignitability	EPA-600S4-85	Non	Ignitabl	PL-E-43	01/20/00
Heat Value	ASTM D240-76	8257	btu/lb	PL-O	01/21/00
Corrosivity	SW-846	Non	Corosive	LS-T-20	01/19/00
Reactivity	SW-846 Sec.7.3	Reactive		MC-H-44	01/21/00
Cyanide	EPA-9012	<1	ug/g	MC-D	01/20/00
Sulfide	EPA-9030	1040	ug/g	MC-H-44	01/21/00
yanide,Total	EPA-9012	39	ug/g	MC-D	01/20/00
Sulfur	ASTM-D-4294	0.5	%	MG	01/21/00
Arsenic	EPA-6010	7.72	ug/g	KH-I-3B-60	01/20/00
Barium	EPA-6010	41.0	ug/g	KH-I-3B-60	01/20/00
Cadmium	EPA-6010	2.19	ug/g	KH-I-3B-60	01/20/00
Chromium	EPA-6010	1.41	ug/g	KH-I-3B-60	01/20/00
Lead	EPA-7470	88.1	ug/g	KH-I-3B-60	01/20/00
Mercury	EPA-6010	<0.02	ug/g	MW-PSO-70	01/19/00
Selenium	EPA-6010	1.96	ug/g	KH-I-3B-60	01/20/00
Silver	EPA-6010	<1	ug/g	KH-I-3B-60	01/20/00
Iron	EPA-8082	1269	ug/g	KH-I-3B-60	01/20/00
PCB	EPA-1311	<1	ug/g	KF-PCBAE12	01/18/00
TCLP Extraction (ZHE)		Complete		MG-BU-31	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICXCTXXO1G
AES sample #: 000118 004
Samples taken by: J.R./B.B.
MATRIX: Liquid Waste
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzene - TCLP Extract	EPA-8260	19,000	ug/l	MG-BU-31	01/19/00
Carbon Tetrachloride-TCLP Ext.	EPA-8260	<500	ug/l	MG-BU-31	01/19/00
Chlorobenzene-TCLP Extract	EPA-8260	<500	ug/l	MG-BU-31	01/19/00
Chloroform-TCLP Extract	EPA-8260	<500	ug/l	MG-BU-31	01/19/00
1,2-Dichloroethane-TCLP Ext.	EPA-8260	<500	ug/l	MG-BU-31	01/19/00
1,1-Dichloroethene-TCLP Ext.	EPA-8260	<1000	ug/l	MG-BU-31	01/19/00
Methyl Ethyl Ketone-TCLP Ext.	EPA-8260	<500	ug/l	MG-BU-31	01/19/00
Tetrachlorethylene-TCLP Ext.	EPA-8260	<500	ug/l	MG-BU-31	01/19/00
Trichloroethylene-TCLP Extract	EPA-8260	<1000	ug/l	MG-BU-31	01/19/00
Vinyl Chloride-TCLP Extraction	EPA-8260	Complete		TCLP-C-17	01/18/00
TCLP Extraction	EPA-1311	<1000	ug/l	MT-BW-1	01/21/00
Nitrobenzene-TCLP Extract	EPA-8270	1500	ug/l	MT-BW-1	01/21/00
Pyridine-TCLP Extract	EPA-8270	38,000	ug/l	MT-BW-1	01/21/00
Cresols (Total) TCLP Extract.	EPA-8270	<1000	ug/l	MT-BW-1	01/21/00
1,4-Dichlorobenzene-TCLP Ext.	EPA-8270	<1000	ug/l	MT-BW-1	01/21/00
2,4-Dinitrotoluene-TCLP Ext.	EPA-8270	<1000	ug/l	MT-BW-1	01/21/00
Hexachlorobenzene-TCLP Extract	EPA-8270	<1000	ug/l	MT-BW-1	01/21/00
Hexachlorobutadiene-TCLP Ext.	EPA-8270	<1000	ug/l	MT-BW-1	01/21/00
Hexachloroethane-TCLP Extract	EPA-8270	<5000	ug/l	MT-BW-1	01/21/00
Pentachlorophenol-TCLP Extract	EPA-8270				

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICXCTXX01G
AES sample #: 000118 004
Samples taken by: J.R./B.B.
MATRIX: Liquid Waste
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
2,4,5-Trichlorophenol-TCLP Ext	EPA-8270	<1000	ug/l	MT-BW-1	01/21/00
2,4,6-Trichlorophenol-TCLP Ext	EPA-8270	<1000	ug/l	MT-BW-1	01/21/00
Chlordane -TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Endrin-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor Epoxide-TCLP Ext.	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Lindane-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Methoxychlor-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
Toxaphene-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
2,4-D TCLP Extract	EPA-8151	<2	mg/l	KS-TG-C-41	01/20/00
2,4,5-TP (Silvex)-TCLP Extract	EPA-8151	<0.2	mg/l	KS-TG-C-41	01/20/00
Arsenic-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00
Barium-TCLP Extraction	EPA-6010	0.56	mg/l	KH-I-3B-60	01/20/00
Cadmium-TCLP Extraction	EPA-6010	<0.01	mg/l	KH-I-3B-60	01/20/00
Chromium-TCLP Extraction	EPA-6010	<0.05	mg/l	KH-I-3B-60	01/20/00
Lead-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00
Mercury-TCLP Extraction	EPA-7470	<0.02	mg/l	MW-PSO-70	01/19/00
Selenium-TCLP Extraction	EPA-6010	<0.1	mg/l	KH-I-3B-60	01/20/00
Silver-TCLP Extraction	EPA-6010	<0.02	mg/l	KH-I-3B-60	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: Trip Blank
AES sample #: 000118 005 Samples taken by: J.R./B.B.
MATRIX: Water

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Chloromethane	EPA-624	<10	ug/l	MG-BU-31	01/20/00
Bromomethane	EPA-624	<10	ug/l	MG-BU-31	01/20/00
Vinyl Chloride	EPA-624	<10	ug/l	MG-BU-31	01/20/00
Chloroethane	EPA-624	<10	ug/l	MG-BU-31	01/20/00
Methylene Chloride	EPA-624	<5	ug/l	MG-BU-31	01/20/00
Trichlorofluoromethane	EPA-624	<5	ug/l	MG-BU-31	01/20/00
1,1-Dichloroethene	EPA-624	<5	ug/l	MG-BU-31	01/20/00
,1-Dichloroethane	EPA-624	<5	ug/l	MG-BU-31	01/20/00
1,2-Dichloroethene Total	EPA-624	<5	ug/l	MG-BU-31	01/20/00
Chloroform	EPA-624	<5	ug/l	MG-BU-31	01/20/00
1,2-Dichloroethane	EPA-624	<5	ug/l	MG-BU-31	01/20/00
1,1,1-Trichloroethane	EPA-624	<5	ug/l	MG-BU-31	01/20/00
Carbon Tetrachloride	EPA-624	<5	ug/l	MG-BU-31	01/20/00
Bromo dichloromethane	EPA-624	<5	ug/l	MG-BU-31	01/20/00
1,2 Dichloropropane	EPA-624	<5	ug/l	MG-BU-31	01/20/00
trans-1,3-Dichloropropene	EPA-624	<5	ug/l	MG-BU-31	01/20/00
Trichloroethene	EPA-624	<5	ug/l	MG-BU-31	01/20/00
Benzene	EPA-624	<5	ug/l	MG-BU-31	01/20/00
Dibromochloromethane	EPA-624	<5	ug/l	MG-BU-31	01/20/00
1,1,2-Trichloroethane	EPA-624	<5	ug/l	MG-BU-31	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: Trip Blank
AES sample #: 000118 005
Samples taken by: J.R./B.B.
MATRIX: Water
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
cis-1,3-Dichloropropene	EPA-624	<5	ug/l	MG-BU-31	01/20/00
2-Chloroethylvinylether	EPA-624	<10	ug/l	MG-BU-31	01/20/00
Bromoform	EPA-624	<5	ug/l	MG-BU-31	01/20/00
1,1,2,2-Tetrachloroethane	EPA-624	<5	ug/l	MG-BU-31	01/20/00
Tetrachloroethene	EPA-624	<5	ug/l	MG-BU-31	01/20/00
Toluene	EPA-624	<5	ug/l	MG-BU-31	01/20/00
Chlorobenzene	EPA-624	<5	ug/l	MG-BU-31	01/20/00
Ethylbenzene	EPA-624	<5	ug/l	MG-BU-31	01/20/00
Xylenes,Total	EPA-624	<5	ug/l	MG-BU-31	01/20/00
Styrene					

APPROVED BY: Christopher Ka
Report date: 01/28/00

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS: (Names)
NYSEG	Ithaca Court St MGP InSitu	J Ruspantini, B Butchkoski
ADDRESS: PO Box 5224 Binghamton NY 13902	PO NUMBER	SAMPLERS: (Signature)

AES SAMPLE NUMBER	CLIENT SAMPLE IDENTIFICATION & LOCATION	DATE SAMPLED	TIME A=a.m. P=p.m.	SAMPLE TYPE MATRIX	COMP	GRAB	NUMBER OF CONT'S	ANALYSIS REQUIRED
000116001	ICQWWXX02G	1-15-99	A/P	W		X	6	8260 Volatiles, 8270 Semi Volatiles & RCRA 1 + Fe, Paint Filter Test, Reactivity, Corrosivity, Ignitability, Flashpoint, BTU/lb
002	ICXCTXX02G	1-15-99	A/P	LIQ		X	1	BTU/lb, % Sulfur, Total Cyanide, Total Metals (8 RCRA + Fe), Full TCLP, Flashpoint, % Solid, pH, Reactivity, Corrosivity
003	ICQWWXX01G	1-15-99	A/P	W		X	6	as -02 above
004	ICXCTXX01G	1-15-99	A/P	LIQ		X	1	as - 02 above
005	Trip Blank		A/P	WA		X	1	VOAs

Turnaround Time: 72 Hour

Laboratory Approval:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Dispatched by: (Signature) / Date/Time	Received for Laboratory by:	Date/Time: 1/18/00, 10:30
Method of Shipment:	Send Report To: John Ruspantini	Client Phone No.: 607-762-8781

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

New York State Electric & Gas Corporation
Ithaca Court St MGP
Interim Remedial Measures (IRM) Project
Analytical Results of Pre-remediation In Situ Sampling
Waste Characterization of Soil Surrounding Subsurface Tar Vessels
Areas 1 and 2

Area	Sample ID	Sample Collect Date	Depth Interval	RCRA Waste Classification	TCLP Benzene (ppm)	Total PAH (ppm)	Soil Volume (yd^3)
1	ICVI0401C	01/15/00	0-4'	Non-hazardous	<0.085	532	80
	ICVI4801C	01/15/00	4-8'	Hazardous *	0.170	1636	80
	ICVI81201C	01/15/00	8-12'	Non-hazardous	0.160	561	80
	ICVI121601C	01/15/00	12-16'	Hazardous	0.740	398	80
1A	ICVI0201AC	01/15/00	0-2'	Non-Hazardous	<0.085	186	12
2	ICVI0402C	01/15/00	0-4'	Non-hazardous	<0.085	1215	200
	ICVI4802C	01/15/00	4-8'	Non-hazardous	<0.085	217	200
	ICVI81202C	01/15/00	8-12'	Non-hazardous	<0.085	79	200
	ICVI121602C	01/15/00	12-16'	Non-hazardous	0.350	29	200
2A	ICVI0202AC	01/15/00	0-2'	Non-hazardous	<0.085	609	30

*The soil from this depth interval is classified as RCRA Hazardous due to presence of Reactive Sulfide at 828 ppm. (Waste code D003)

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LABORATORY REPORT

for

NYS Electric & Gas
Kirkwood Industrial Park
Corporate Drive, PO 5224
Binghamton, NY 13902

Attention: John Ruspantini

Report date: 01/21/00
Number of samples analyzed: 10
AES Project ID: 000118 G
Invoice #: 208751

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVIO401C
AES sample #: OOO118 GO1 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
pH	EPA-9045	7.5	su	LS-T-20	01/19/00
Total Solids	ASTM-D3987-85	79	%	SB-430	01/18/00
Ignitability	EPA-600S4-85	Non	Ignitabl	PL-E-43	01/20/00
Corrosivity	SW-846	Non	Corosive	LS-T-20	01/19/00
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-H-44	01/21/00
Cyanide	EPA-9012	<1	ug/g	MC-D	01/20/00
Sulfide	EPA-9030	<10	ug/g	MC-H-44	01/21/00
TCLP Extraction (ZHE)	EPA-1311	Complete		MG-BU-31	01/18/00
Benzene - TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Carbon Tetrachloride-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chlorobenzene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chloroform-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,2-Dichloroethane-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,1-Dichloroethene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Methyl Ethyl Ketone-TCLP Ext.	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
Tetrachlorethylene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Trichloroethylene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Vinyl Chloride-TCLP Extraction	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
TCLP Extraction	EPA-1311	Complete		TCLP-C-17	01/18/00
Nitrobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVIO401C
AES sample #: 000118 G01
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Pyridine-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Cresols (Total) TCLP Extract.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
1,4-Dichlorobenzene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4-Dinitrotoluene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobutadiene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachloroethane-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Pentachlorophenol-TCLP Extract	EPA-8270	<500	ug/l	MT-BW-1	01/20/00
2,4,5-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4,6-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Chlordane -TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Endrin-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor Epoxide-TCLP Ext.	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Lindane-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Methoxychlor-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
Toxaphene-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
2,4-D TCLP Extract	EPA-8151	<2	mg/l	KS-TG-C-41	01/20/00
2,4,5-TP (Silvex)-TCLP Extract	EPA-8151	<0.2	mg/l	KS-TG-C-41	01/20/00
Arsenic-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI0401C
AES sample #: 000118 G01
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Barium-TCLP Extraction	EPA-6010	0.24	mg/l	KH-I-3B-60	01/20/00
Cadmium-TCLP Extraction	EPA-6010	<0.01	mg/l	KH-I-3B-60	01/20/00
Chromium-TCLP Extraction	EPA-6010	<0.05	mg/l	KH-I-3B-60	01/20/00
Lead-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00
Mercury-TCLP Extraction	EPA-7470	<0.02	mg/l	MW-PSO-70	01/19/00
Selenium-TCLP Extraction	EPA-6010	<0.1	mg/l	KH-I-3B-60	01/20/00
Silver-TCLP Extraction	EPA-6010	<0.02	mg/l	KH-I-3B-60	01/20/00
PCB-1016	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1221	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1232	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1242	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1248	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1254	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1260	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
Naphthalene	EPA-8270	5 J	ug/g	MT-BW-1	01/19/00
Acenaphthylene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Acenaphthene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Fluorene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Phenanthrene	EPA-8270	29	ug/g	MT-BW-1	01/19/00
Anthracene	EPA-8270	8 J	ug/g	MT-BW-1	01/19/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI0401C
AES sample #: 000118 G01
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Fluoranthene	EPA-8270	73	ug/g	MT-BW-1	01/19/00
Pyrene	EPA-8270	90	ug/g	MT-BW-1	01/19/00
Chrysene	EPA-8270	39	ug/g	MT-BW-1	01/19/00
Benzo(b)fluoranthene	EPA-8270	98	ug/g	MT-BW-1	01/19/00
Benzo(k)fluoranthene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(a)pyrene	EPA-8270	55	ug/g	MT-BW-1	01/19/00
Indeno(1,2,3-cd)pyrene	EPA-8270	46	ug/g	MT-BW-1	01/19/00
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(g,h,i)perylene	EPA-8270	46	ug/g	MT-BW-1	01/19/00
Benzo(a)anthracene	EPA-8270	43	ug/g	MT-BW-1	01/19/00
2-Methylnaphthalene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Dibenzofuran	EPA-8270	<10	ug/g	MT-BW-1	01/19/00

(PAH)
Total PAH 532
Total cPAH 181

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI4801C
AES sample #: 000118 G02 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
pH	EPA-9045	7.5	su	LS-T-20	01/19/00
Total Solids	ASTM-D3987-85	78	%	SB-430	01/18/00
Ignitability	EPA-600S4-85	Non	Ignitabl	PL-E-43	01/20/00
Corrosivity	SW-846	Non	Corosive	LS-T-20	01/19/00
Reactivity	SW-846 Sec.7.3	Reactive		MC-H-44	01/21/00
Cyanide	EPA-9012	<1	ug/g	MC-D	01/20/00
Sulfide	EPA-9030	828	ug/g	MC-H-44	01/21/00
TCLP Extraction (ZHE)	EPA-1311	Complete		MG-BU-31	01/18/00
Benzene - TCLP Extract	EPA-8260	170	ug/l	MG-BU-31	01/19/00
Carbon Tetrachloride-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chlorobenzene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chloroform-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,2-Dichloroethane-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,1-Dichloroethene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Methyl Ethyl Ketone-TCLP Ext.	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
Tetrachlorethylene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Trichloroethylene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Vinyl Chloride-TCLP Extraction	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
TCLP Extraction	EPA-1311	Complete		TCLP-C-17	01/19/00
Nitrobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI4801C
AES sample #: 000118 G02
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Pyridine-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Cresols (Total) TCLP Extract.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
1,4-Dichlorobenzene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4-Dinitrotoluene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobutadiene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachloroethane-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Pentachlorophenol-TCLP Extract	EPA-8270	<500	ug/l	MT-BW-1	01/20/00
2,4,5-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4,6-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Chlordane -TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Endrin-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor Epoxide-TCLP Ext.	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Lindane-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Methoxychlor-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
Toxaphene-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
2,4-D TCLP Extract	EPA-8151	<2	mg/l	KS-TG-C-41	01/20/00
2,4,5-TP (Silvex)-TCLP Extract	EPA-8151	<0.2	mg/l	KS-TG-C-41	01/20/00
Arsenic-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI4801C
AES sample #: 000118 G02
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Barium-TCLP Extraction	EPA-6010	0.44	mg/l	KH-I-3B-60	01/20/00
Cadmium-TCLP Extraction	EPA-6010	<0.01	mg/l	KH-I-3B-60	01/20/00
Chromium-TCLP Extraction	EPA-6010	<0.05	mg/l	KH-I-3B-60	01/20/00
Lead-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00
Mercury-TCLP Extraction	EPA-7470	<0.02	mg/l	MW-PSO-70	01/19/00
Selenium-TCLP Extraction	EPA-6010	<0.1	mg/l	KH-I-3B-60	01/20/00
Silver-TCLP Extraction	EPA-6010	<0.02	mg/l	KH-I-3B-60	01/20/00
PCB-1016	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1221	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1232	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1242	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1248	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1254	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1260	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
Naphthalene	EPA-8270	320	ug/g	MT-BW-1	01/19/00
Acenaphthylene	EPA-8270	<40	ug/g	MT-BW-1	01/19/00
Acenaphthene	EPA-8270	120	ug/g	MT-BW-1	01/19/00
Fluorene	EPA-8270	80	ug/g	MT-BW-1	01/19/00
Phenanthrene	EPA-8270	230	ug/g	MT-BW-1	01/19/00
Anthracene	EPA-8270	120	ug/g	MT-BW-1	01/19/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI4801C
AES sample #: 000118 G02 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Fluoranthene	EPA-8270	150	ug/g	MT-BW-1	01/19/00
Pyrene	EPA-8270	160	ug/g	MT-BW-1	01/19/00
Chrysene	EPA-8270	68	ug/g	MT-BW-1	01/19/00
Benzo(b)fluoranthene	EPA-8270	100	ug/g	MT-BW-1	01/19/00
Benzo(k)fluoranthene	EPA-8270	<40	ug/g	MT-BW-1	01/19/00
Benzo(a)pyrene	EPA-8270	64	ug/g	MT-BW-1	01/19/00
Indeno(1,2,3-cd)pyrene	EPA-8270	<40	ug/g	MT-BW-1	01/19/00
Dibenzo(a,h)anthracene	EPA-8270	<40	ug/g	MT-BW-1	01/19/00
Benzo(g,h,i)perylene	EPA-8270	<40	ug/g	MT-BW-1	01/19/00
Benzo(a)anthracene	EPA-8270	68	ug/g	MT-BW-1	01/19/00
2-Methylnaphthalene	EPA-8270	120	ug/g	MT-BW-1	01/19/00
Dibenzofuran	EPA-8270	36 J	ug/g	MT-BW-1	01/19/00

(ppm)
Total PAH 1636
Total cPAH 300

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI81201C
AES sample #: 000118 G03
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
pH	EPA-9045	7.6	su	LS-T-20	01/19/00
Total Solids	ASTM-D3987-85	81	%	SB-430	01/18/00
Ignitability	EPA-600S4-85	Non	Ignitabl	PL-E-43	01/20/00
Corrosivity	SW-846	Non	Corosive	LS-T-20	01/19/00
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-H-44	01/21/00
Cyanide	EPA-9012	<1	ug/g	MC-D	01/20/00
Sulfide	EPA-9030	255	ug/g	MC-H-44	01/21/00
TCLP Extraction (ZHE)	EPA-1311	Complete		MG-BU-31	01/18/00
Benzene - TCLP Extract	EPA-8260	160	ug/l	MG-BU-31	01/19/00
Carbon Tetrachloride-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chlorobenzene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chloroform-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,2-Dichloroethane-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,1-Dichloroethene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Methyl Ethyl Ketone-TCLP Ext.	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
Tetrachlorethylene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Trichloroethylene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Vinyl Chloride-TCLP Extraction	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
TCLP Extraction	EPA-1311	Complete		TCLP-C-17	01/19/00
Nitrobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI81201C
AES sample #: 000118 G03 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Pyridine-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Cresols (Total) TCLP Extract.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
1,4-Dichlorobenzene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4-Dinitrotoluene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobutadiene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachloroethane-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Pentachlorophenol-TCLP Extract	EPA-8270	<500	ug/l	MT-BW-1	01/20/00
2,4,5-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4,6-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Chlordane -TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Endrin-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor Epoxide-TCLP Ext.	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Lindane-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Methoxychlor-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
Toxaphene-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
2,4-D TCLP Extract	EPA-8151	<2	mg/l	KS-TG-C-41	01/20/00
2,4,5-TP (Silvex)-TCLP Extract	EPA-8151	<0.2	mg/l	KS-TG-C-41	01/20/00
rsenic-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI81201C
AES sample #: 000118 G03
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Barium-TCLP Extraction	EPA-6010	0.37	mg/l	KH-I-3B-60	01/20/00
Cadmium-TCLP Extraction	EPA-6010	<0.01	mg/l	KH-I-3B-60	01/20/00
Chromium-TCLP Extraction	EPA-6010	<0.05	mg/l	KH-I-3B-60	01/20/00
Lead-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00
Mercury-TCLP Extraction	EPA-7470	<0.02	mg/l	MW-PSO-70	01/19/00
Selenium-TCLP Extraction	EPA-6010	<0.1	mg/l	KH-I-3B-60	01/20/00
Silver-TCLP Extraction	EPA-6010	<0.02	mg/l	KH-I-3B-60	01/20/00
PCB-1016	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1221	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1232	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1242	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1248	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1254	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1260	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
Naphthalene	EPA-8270	110	ug/g	MT-BW-1	01/19/00
Acenaphthylene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Acenaphthene	EPA-8270	27	ug/g	MT-BW-1	01/19/00
Fluorene	EPA-8270	20	ug/g	MT-BW-1	01/19/00
Phenanthrene	EPA-8270	49	ug/g	MT-BW-1	01/19/00
Anthracene	EPA-8270	17	ug/g	MT-BW-1	01/19/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI81201C
AES sample #: 000118 G03
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Fluoranthene	EPA-8270	47	ug/g	MT-BW-1	01/19/00
Pyrene	EPA-8270	52	ug/g	MT-BW-1	01/19/00
Chrysene	EPA-8270	26	ug/g	MT-BW-1	01/19/00
Benzo(b)fluoranthene	EPA-8270	59	ug/g	MT-BW-1	01/19/00
Benzo(k)fluoranthene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(a)pyrene	EPA-8270	33	ug/g	MT-BW-1	01/19/00
Indeno(1,2,3-cd)pyrene	EPA-8270	24	ug/g	MT-BW-1	01/19/00
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(g,h,i)perylene	EPA-8270	22	ug/g	MT-BW-1	01/19/00
Benzo(a)anthracene	EPA-8270	31	ug/g	MT-BW-1	01/19/00
2-Methylnaphthalene	EPA-8270	32	ug/g	MT-BW-1	01/19/00
Dibenzofuran	EPA-8270	12	ug/g	MT-BW-1	01/19/00

(ppm)

Total PAH Soil

Total cPAH 73

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI121601C
AES sample #: 000118 G04 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
pH	EPA-9045	8.0	su	LS-T-20	01/19/00
Total Solids	ASTM-D3987-85	78	%	SB-430	01/18/00
Ignitability	EPA-600S4-85	Non	Ignitabl	PL-E-43	01/20/00
Corrosivity	SW-846	Non	Corosive	LS-T-20	01/19/00
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-H-44	01/21/00
Cyanide	EPA-9012	<1	ug/g	MC-D	01/20/00
Sulfide	EPA-9030	158	ug/g	MC-H-44	01/21/00
TCLP Extraction (ZHE)	EPA-1311	Complete		MG-BU-31	01/18/00
Benzene - TCLP Extract	EPA-8260	740	ug/l	MG-BU-31	01/19/00
Carbon Tetrachloride-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chlorobenzene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chloroform-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,2-Dichloroethane-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,1-Dichloroethene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Methyl Ethyl Ketone-TCLP Ext.	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
Tetrachlorethylene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Trichloroethylene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Vinyl Chloride-TCLP Extraction	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
TCLP Extraction	EPA-1311	Complete		TCLP-C-17	01/18/00
Nitrobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI121601C
AES sample #: 000118 G04 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Pyridine-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Cresols (Total) TCLP Extract.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
1,4-Dichlorobenzene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4-Dinitrotoluene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobutadiene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachloroethane-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Pentachlorophenol-TCLP Extract	EPA-8270	<500	ug/l	MT-BW-1	01/20/00
2,4,5-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4,6-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Chlordane -TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Endrin-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor Epoxide-TCLP Ext.	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Lindane-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Methoxychlor-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
Toxaphene-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
2,4-D TCLP Extract	EPA-8151	<2	mg/l	KS-TG-C-41	01/20/00
2,4,5-TP (Silvex)-TCLP Extract	EPA-8151	<0.2	mg/l	KS-TG-C-41	01/20/00
Arsenic-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI121601C
AES sample #: 000118 G04 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Barium-TCLP Extraction	EPA-6010	0.94	mg/l	KH-I-3B-60	01/20/00
Cadmium-TCLP Extraction	EPA-6010	<0.01	mg/l	KH-I-3B-60	01/20/00
Chromium-TCLP Extraction	EPA-6010	<0.05	mg/l	KH-I-3B-60	01/20/00
Lead-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00
Mercury-TCLP Extraction	EPA-7470	<0.02	mg/l	MW-PSO-70	01/19/00
Selenium-TCLP Extraction	EPA-6010	<0.1	mg/l	KH-I-3B-60	01/20/00
Silver-TCLP Extraction	EPA-6010	<0.02	mg/l	KH-I-3B-60	01/20/00
PCB-1016	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1221	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1232	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1242	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1248	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1254	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1260	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
Naphthalene	EPA-8270	90	ug/g	MT-BW-1	01/19/00
Acenaphthylene	EPA-8270	18	ug/g	MT-BW-1	01/19/00
Acenaphthene	EPA-8270	12	ug/g	MT-BW-1	01/19/00
Fluorene	EPA-8270	26	ug/g	MT-BW-1	01/19/00
Phenanthrene	EPA-8270	60	ug/g	MT-BW-1	01/19/00
nthracene	EPA-8270	21	ug/g	MT-BW-1	01/19/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI121601C
AES sample #: 000118 G04
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Fluoranthene	EPA-8270	30	ug/g	MT-BW-1	01/19/00
Pyrene	EPA-8270	39	ug/g	MT-BW-1	01/19/00
Chrysene	EPA-8270	13	ug/g	MT-BW-1	01/19/00
Benzo(b)fluoranthene	EPA-8270	17	ug/g	MT-BW-1	01/19/00
Benzo(k)fluoranthene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(a)pyrene	EPA-8270	10	ug/g	MT-BW-1	01/19/00
Indeno(1,2,3-cd)pyrene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(g,h,i)perylene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(a)anthracene	EPA-8270	15	ug/g	MT-BW-1	01/19/00
2-Methylnaphthalene	EPA-8270	35	ug/g	MT-BW-1	01/19/00
Dibenzofuran	EPA-8270	12	ug/g	MT-BW-1	01/19/00

(ppm)
Total PAH 398
Total CPAH 55

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI0402C
AES sample #: 000118 G05 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
pH	EPA-9045	7.8	su	LS-T-20	01/19/00
Total Solids	ASTM-D3987-85	82	%	SB-430	01/18/00
Ignitability	EPA-600S4-85	Non	Ignitabl	PL-E-43	01/20/00
Corrosivity	SW-846	Non	Corosive	LS-T-20	01/19/00
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-H-44	01/21/00
Cyanide	EPA-9012	<1	ug/g	MC-D	01/20/00
Sulfide	EPA-9030	37	ug/g	MC-H-44	01/21/00
TCLP Extraction (ZHE)	EPA-1311	Complete		MG-BU-31	01/18/00
Benzene - TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Carbon Tetrachloride-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chlorobenzene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chloroform-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,2-Dichloroethane-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,1-Dichloroethene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Methyl Ethyl Ketone-TCLP Ext.	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
Tetrachlorethylene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Trichloroethylene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Vinyl Chloride-TCLP Extraction	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
TCLP Extraction	EPA-1311	Complete		TCLP-C-17	01/18/00
Nitrobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI0402C
AES sample #: 000118 G05 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Pyridine-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Cresols (Total) TCLP Extract.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
1,4-Dichlorobenzene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4-Dinitrotoluene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobutadiene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachloroethane-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Pentachlorophenol-TCLP Extract	EPA-8270	<500	ug/l	MT-BW-1	01/20/00
2,4,5-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4,6-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Chlordane -TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Endrin-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor Epoxide-TCLP Ext.	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Lindane-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Methoxychlor-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
Toxaphene-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
2,4-D TCLP Extract	EPA-8151	<2	mg/l	KS-TG-C-41	01/20/00
2,4,5-TP (Silvex)-TCLP Extract	EPA-8151	<0.2	mg/l	KS-TG-C-41	01/20/00
Arsenic-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI0402C
AES sample #: 000118 G05
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Barium-TCLP Extraction	EPA-6010	0.41	mg/l	KH-I-3B-60	01/20/00
Cadmium-TCLP Extraction	EPA-6010	<0.01	mg/l	KH-I-3B-60	01/20/00
Chromium-TCLP Extraction	EPA-6010	<0.05	mg/l	KH-I-3B-60	01/20/00
Lead-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00
Mercury-TCLP Extraction	EPA-7470	<0.02	mg/l	MW-PSO-70	01/19/00
Selenium-TCLP Extraction	EPA-6010	<0.1	mg/l	KH-I-3B-60	01/20/00
Silver-TCLP Extraction	EPA-6010	<0.02	mg/l	KH-I-3B-60	01/20/00
PCB-1016	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1221	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1232	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1242	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1248	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1254	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1260	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
Naphthalene	EPA-8270	13 J	ug/g	MT-BW-1	01/19/00
Acenaphthylene	EPA-8270	6 J	ug/g	MT-BW-1	01/19/00
Acenaphthene	EPA-8270	<20	ug/g	MT-BW-1	01/19/00
Fluorene	EPA-8270	16 J	ug/g	MT-BW-1	01/19/00
Phenanthrene	EPA-8270	100	ug/g	MT-BW-1	01/19/00
nthracene	EPA-8270	54	ug/g	MT-BW-1	01/19/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVIO402C
AES sample #: 000118 G05
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Fluoranthene	EPA-8270	180	ug/g	MT-BW-1	01/19/00
Pyrene	EPA-8270	230	ug/g	MT-BW-1	01/19/00
Chrysene	EPA-8270	88	ug/g	MT-BW-1	01/19/00
Benzo(b)fluoranthene	EPA-8270	160	ug/g	MT-BW-1	01/19/00
Benzo(k)fluoranthene	EPA-8270	<20	ug/g	MT-BW-1	01/19/00
Benzo(a)pyrene	EPA-8270	110	ug/g	MT-BW-1	01/19/00
Indeno(1,2,3-cd)pyrene	EPA-8270	60	ug/g	MT-BW-1	01/19/00
Dibenzo(a,h)anthracene	EPA-8270	<20	ug/g	MT-BW-1	01/19/00
Benzo(g,h,i)perylene	EPA-8270	70	ug/g	MT-BW-1	01/19/00
Benzo(a)anthracene	EPA-8270	120	ug/g	MT-BW-1	01/19/00
2-Methylnaphthalene	EPA-8270	<20	ug/g	MT-BW-1	01/19/00
Dibenzofuran	EPA-8270	8 J	ug/g	MT-BW-1	01/19/00

(PPM)

Total PAH 1215

Total cPAH 538

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI4802C
AES sample #: 000118 G06
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
pH	EPA-9045	7.6	su	LS-T-20	01/19/00
Total Solids	ASTM-D3987-85	78	%	SB-430	01/18/00
Ignitability	EPA-600S4-85	Non	Ignitabl	PL-E-43	01/20/00
Corrosivity	SW-846	Non	Corosive	LS-T-20	01/19/00
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-H-44	01/21/00
Cyanide	EPA-9012	<1	ug/g	MC-D	01/20/00
Sulfide	EPA-9030	217	ug/g	MC-H-44	01/21/00
TCLP Extraction (ZHE)	EPA-1311	Complete		MG-BU-31	01/18/00
Benzene - TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Carbon Tetrachloride-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chlorobenzene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chloroform-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,2-Dichloroethane-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,1-Dichloroethene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Methyl Ethyl Ketone-TCLP Ext.	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
Tetrachlorethylene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Trichloroethylene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Vinyl Chloride-TCLP Extraction	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
TCLP Extraction	EPA-1311	Complete		TCLP-C-17	01/18/00
Nitrobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI4802C
AES sample #: 000118 G06 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Pyridine-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Cresols (Total) TCLP Extract.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
1,4-Dichlorobenzene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4-Dinitrotoluene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobutadiene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachloroethane-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Pentachlorophenol-TCLP Extract	EPA-8270	<500	ug/l	MT-BW-1	01/20/00
2,4,5-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4,6-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Chlordane -TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Endrin-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor Epoxide-TCLP Ext.	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Lindane-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Methoxychlor-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
Toxaphene-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
2,4-D TCLP Extract	EPA-8151	<2	mg/l	KS-TG-C-41	01/20/00
2,4,5-TP (Silvex)-TCLP Extract	EPA-8151	<0.2	mg/l	KS-TG-C-41	01/20/00
Arsenic-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI4802C
AES sample #: 000118 G06 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Barium-TCLP Extraction	EPA-6010	1.46	mg/l	KH-I-3B-60	01/20/00
Cadmium-TCLP Extraction	EPA-6010	<0.01	mg/l	KH-I-3B-60	01/20/00
Chromium-TCLP Extraction	EPA-6010	<0.05	mg/l	KH-I-3B-60	01/20/00
Lead-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00
Mercury-TCLP Extraction	EPA-7470	<0.02	mg/l	MW-PSO-70	01/19/00
Selenium-TCLP Extraction	EPA-6010	<0.1	mg/l	KH-I-3B-60	01/20/00
Silver-TCLP Extraction	EPA-6010	<0.02	mg/l	KH-I-3B-60	01/20/00
PCB-1016	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1221	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1232	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1242	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1248	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1254	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1260	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
Naphthalene	EPA-8270	51	ug/g	MT-BW-1	01/19/00
Acenaphthylene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Acenaphthene	EPA-8270	15	ug/g	MT-BW-1	01/19/00
Fluorene	EPA-8270	9 J	ug/g	MT-BW-1	01/19/00
Phenanthrene	EPA-8270	31	ug/g	MT-BW-1	01/19/00
Anthracene	EPA-8270	8 J	ug/g	MT-BW-1	01/19/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI4802C
AES sample #: 000118 G06 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Fluoranthene	EPA-8270	19	ug/g	MT-BW-1	01/19/00
Pyrene	EPA-8270	29	ug/g	MT-BW-1	01/19/00
Chrysene	EPA-8270	9 J	ug/g	MT-BW-1	01/19/00
Benzo(b)fluoranthene	EPA-8270	14	ug/g	MT-BW-1	01/19/00
Benzo(k)fluoranthene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(a)pyrene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Indeno(1,2,3-cd)pyrene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(g,h,i)perylene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(a)anthracene	EPA-8270	10	ug/g	MT-BW-1	01/19/00
2-Methylnaphthalene	EPA-8270	19	ug/g	MT-BW-1	01/19/00
Dibenzofuran	EPA-8270	3 J	ug/g	MT-BW-1	01/19/00

(PAH's
Total PAH 217
Total cPAH 33

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI81202C
AES sample #: 000118 G07
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
pH	EPA-9045	7.3	su	LS-T-20	01/19/00
Total Solids	ASTM-D3987-85	80	%	SB-430	01/18/00
Ignitability	EPA-600S4-85	Non	Ignitabl	PL-E-43	01/20/00
Corrosivity	SW-846	Non	Corosive	LS-T-20	01/19/00
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-H-44	01/21/00
Cyanide	EPA-9012	<1	ug/g	MC-D	01/20/00
Sulfide	EPA-9030	73	ug/g	MC-H-44	01/21/00
TCLP Extraction (ZHE)	EPA-1311	Complete		MG-BU-31	01/18/00
Benzene - TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Carbon Tetrachloride-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chlorobenzene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chloroform-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,2-Dichloroethane-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,1-Dichloroethene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Methyl Ethyl Ketone-TCLP Ext.	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
Tetrachlorethylene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Trichloroethylene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Vinyl Chloride-TCLP Extraction	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
TCLP Extraction	EPA-1311	Complete		TCLP-C-17	01/18/00
Nitrobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI81202C
AES sample #: 000118 G07
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Pyridine-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Cresols (Total) TCLP Extract.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
1,4-Dichlorobenzene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4-Dinitrotoluene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobutadiene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachloroethane-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Pentachlorophenol-TCLP Extract	EPA-8270	<500	ug/l	MT-EW-1	01/20/00
2,4,5-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4,6-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Chlordane -TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Endrin-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor Epoxide-TCLP Ext.	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Lindane-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Methoxychlor-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
Toxaphene-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
2,4-D TCLP Extract	EPA-8151	<2	mg/l	KS-TG-C-41	01/20/00
2,4,5-TP (Silvex)-TCLP Extract	EPA-8151	<0.2	mg/l	KS-TG-C-41	01/20/00
Arsenic-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI81202C
AES sample #: 000118 G07 Samples taken by: Ruspantini Location: Ithaca Court St
MATRIX: Soil composite
Date Sampled: 01/15/00
Date sample received: 01/18/00

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Barium-TCLP Extraction	EPA-6010	0.75	mg/l	KH-I-3B-60	01/20/00
Cadmium-TCLP Extraction	EPA-6010	<0.01	mg/l	KH-I-3B-60	01/20/00
Chromium-TCLP Extraction	EPA-6010	<0.05	mg/l	KH-I-3B-60	01/20/00
Lead-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00
Mercury-TCLP Extraction	EPA-7470	<0.02	mg/l	MW-PSO-70	01/19/00
Selenium-TCLP Extraction	EPA-6010	<0.1	mg/l	KH-I-3B-60	01/20/00
Silver-TCLP Extraction	EPA-6010	<0.02	mg/l	KH-I-3B-60	01/20/00
PCB-1016	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1221	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1232	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1242	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1248	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1254	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1260	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
Naphthalene	EPA-8270	36	ug/g	MT-BW-1	01/19/00
Acenaphthylene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Acenaphthene	EPA-8270	8 J	ug/g	MT-BW-1	01/19/00
Fluorene	EPA-8270	5 J	ug/g	MT-BW-1	01/19/00
Phenanthrene	EPA-8270	11	ug/g	MT-BW-1	01/19/00
Anthracene	EPA-8270	3 J	ug/g	MT-BW-1	01/19/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI81202C
AES sample #: 000118 G07
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Fluoranthene	EPA-8270	3 J	ug/g	MT-BW-1	01/19/00
Pyrene	EPA-8270	5 J	ug/g	MT-BW-1	01/19/00
Chrysene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(b)fluoranthene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(k)fluoranthene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(a)pyrene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Indeno(1,2,3-cd)pyrene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(g,h,i)perylene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(a)anthracene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
2-Methylnaphthalene	EPA-8270	8 J	ug/g	MT-BW-1	01/19/00
Dibenzofuran	EPA-8270	<10	ug/g	MT-BW-1	01/19/00

(ppm)
Total PAH 79
Total cPAH (10

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI121602C
AES sample #: 000118 G08
Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
pH	EPA-9045	7.4	su	LS-T-20	01/19/00
Total Solids	ASTM-D3987-85	79	%	SB-430	01/18/00
Ignitability	EPA-600S4-85	Non	Ignitabl	PL-E-43	01/20/00
Corrosivity	SW-846	Non	Corosive	LS-T-20	01/19/00
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-H-44	01/21/00
Cyanide	EPA-9012	<1	ug/g	MC-D	01/20/00
Sulfide	EPA-9030	72	ug/g	MC-H-44	01/21/00
TCLP Extraction (ZHE)	EPA-1311	Complete		MG-BU-31	01/18/00
Benzene - TCLP Extract	EPA-8260	350	ug/l	MG-BU-31	01/19/00
Carbon Tetrachloride-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chlorobenzene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chloroform-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,2-Dichloroethane-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,1-Dichloroethene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Methyl Ethyl Ketone-TCLP Ext.	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
Tetrachlorethylene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Trichloroethylene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Vinyl Chloride-TCLP Extraction	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
TCLP Extraction	EPA-1311	Complete		TCLP-C-17	01/19/00
Nitrobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI121602C
AES sample #: 000118 G08 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Pyridine-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Cresols (Total) TCLP Extract.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
1,4-Dichlorobenzene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4-Dinitrotoluene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobutadiene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachloroethane-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Pentachlorophenol-TCLP Extract	EPA-8270	<500	ug/l	MT-BW-1	01/20/00
2,4,5-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4,6-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Chlordane -TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Endrin-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor Epoxide-TCLP Ext.	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Lindane-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Methoxychlor-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
Toxaphene-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
2,4-D TCLP Extract	EPA-8151	<2	mg/l	KS-TG-C-41	01/20/00
2,4,5-TP (Silvex)-TCLP Extract	EPA-8151	<0.2	mg/l	KS-TG-C-41	01/20/00
Arsenic-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI121602C
AES sample #: 000118 G08 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Barium-TCLP Extraction	EPA-6010	0.66	mg/l	KH-I-3B-60	01/20/00
Cadmium-TCLP Extraction	EPA-6010	<0.01	mg/l	KH-I-3B-60	01/20/00
Chromium-TCLP Extraction	EPA-6010	<0.05	mg/l	KH-I-3B-60	01/20/00
Lead-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00
Mercury-TCLP Extraction	EPA-7470	<0.02	mg/l	MW-PSO-70	01/19/00
Selenium-TCLP Extraction	EPA-6010	<0.1	mg/l	KH-I-3B-60	01/20/00
Silver-TCLP Extraction	EPA-6010	<0.02	mg/l	KH-I-3B-60	01/20/00
PCB-1016	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1221	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1232	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1242	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1248	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1254	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1260	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
Naphthalene	EPA-8270	20	ug/g	MT-BW-1	01/19/00
Acenaphthylene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Acenaphthene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Fluorene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Phenanthrene	EPA-8270	4 J	ug/g	MT-BW-1	01/19/00
Anthracene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI121602C
AES sample #: 000118 G08 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Fluoranthene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Pyrene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Chrysene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(b)fluoranthene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(k)fluoranthene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(a)pyrene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Indeno(1,2,3-cd)pyrene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(g,h,i)perylene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(a)anthracene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
2-Methylnaphthalene	EPA-8270	5 J	ug/g	MT-BW-1	01/19/00
Dibenzofuran	EPA-8270	<10	ug/g	MT-BW-1	01/19/00

(PAH)

Total PAH 29

Total cPAH 10

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVIO201AC
AES sample #: 000118 G09 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
pH	EPA-9045	7.8	su	LS-T-20	01/19/00
Total Solids	ASTM-D3987-85	85	%	SB-430	01/18/00
Ignitability	EPA-600S4-85	Non	Ignitabl	PL-E-43	01/20/00
Corrosivity	SW-846	Non	Corosive	LS-T-20	01/19/00
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-H-44	01/21/00
Cyanide	EPA-9012	<1	ug/g	MC-D	01/20/00
Sulfide	EPA-9030	16	ug/g	MC-H-44	01/21/00
TCLP Extraction (ZHE)	EPA-1311	Complete		MG-BU-31	01/18/00
Benzene - TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Carbon Tetrachloride-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chlorobenzene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chloroform-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,2-Dichloroethane-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,1-Dichloroethene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Methyl Ethyl Ketone-TCLP Ext.	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
Tetrachlorethylene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Trichloroethylene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Vinyl Chloride-TCLP Extraction	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
TCLP Extraction	EPA-1311	Complete		TCLP-C-17	01/18/00
Nitrobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVIO201AC
AES sample #: OOO118 G09 Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/OO
Date sample received: 01/18/OO
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Pyridine-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/OO
Cresols (Total) TCLP Extract.	EPA-8270	<100	ug/l	MT-BW-1	01/20/OO
1,4-Dichlorobenzene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/OO
2,4-Dinitrotoluene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/OO
Hexachlorobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/OO
Hexachlorobutadiene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/OO
Hexachloroethane-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/OO
Pentachlorophenol-TCLP Extract	EPA-8270	<500	ug/l	MT-BW-1	01/20/OO
2,4,5-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/OO
2,4,6-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/OO
Chlordane -TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/OO
Endrin-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/OO
Heptachlor-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/OO
Heptachlor Epoxide-TCLP Ext.	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/OO
Lindane-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/OO
Methoxychlor-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/OO
Toxaphene-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/OO
2,4-D TCLP Extract	EPA-8151	<2	mg/l	KS-TG-C-41	01/20/OO
2,4,5-TP (Silvex)-TCLP Extract	EPA-8151	<0.2	mg/l	KS-TG-C-41	01/20/OO
Arsenic-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/OO

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI0201AC
AES sample #: 000118 G09
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Barium-TCLP Extraction	EPA-6010	0.38	mg/l	KH-I-3B-60	01/20/00
Cadmium-TCLP Extraction	EPA-6010	<0.01	mg/l	KH-I-3B-60	01/20/00
Chromium-TCLP Extraction	EPA-6010	<0.05	mg/l	KH-I-3B-60	01/20/00
Lead-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00
Mercury-TCLP Extraction	EPA-7470	<0.02	mg/l	MW-PSO-70	01/19/00
Selenium-TCLP Extraction	EPA-6010	<0.1	mg/l	KH-I-3B-60	01/20/00
Silver-TCLP Extraction	EPA-6010	<0.02	mg/l	KH-I-3B-60	01/20/00
PCB-1016	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1221	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1232	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1242	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1248	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1254	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1260	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
Naphthalene	EPA-8270	10	ug/g	MT-BW-1	01/19/00
Acenaphthylene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Acenaphthene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Fluorene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Phenanthrene	EPA-8270	9 J	ug/g	MT-BW-1	01/19/00
Anthracene	EPA-8270	3 J	ug/g	MT-BW-1	01/19/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVIO201AC
AES sample #: 000118 G09
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Fluoranthene	EPA-8270	19	ug/g	MT-BW-1	01/19/00
Pyrene	EPA-8270	26	ug/g	MT-BW-1	01/19/00
Chrysene	EPA-8270	12	ug/g	MT-BW-1	01/19/00
Benzo(b)fluoranthene	EPA-8270	35	ug/g	MT-BW-1	01/19/00
Benzo(k)fluoranthene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(a)pyrene	EPA-8270	19	ug/g	MT-BW-1	01/19/00
Indeno(1,2,3-cd)pyrene	EPA-8270	19	ug/g	MT-BW-1	01/19/00
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(g,h,i)perylene	EPA-8270	21	ug/g	MT-BW-1	01/19/00
Benzo(a)anthracene	EPA-8270	13	ug/g	MT-BW-1	01/19/00
2-Methylnaphthalene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Dibenzofuran	EPA-8270	<10	ug/g	MT-BW-1	01/19/00

(PAH)
Total PAH 186
Total cPAH 99

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVIO202AC
AES sample #: 000118 G10 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
pH	EPA-9045	8.0	su	LS-T-20	01/19/00
Total Solids	ASTM-D3987-85	82	%	SB-430	01/18/00
Ignitability	EPA-600S4-85	Non	Ignitabl	PL-E-43	01/20/00
Corrosivity	SW-846	Non	Corosive	LS-T-20	01/19/00
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-H-44	01/21/00
Cyanide	EPA-9012	<1	ug/g	MC-D	01/20/00
Sulfide	EPA-9030	24	ug/g	MC-H-44	01/21/00
TCLP Extraction (ZHE)	EPA-1311	Complete		MG-BU-31	08/18/00
Benzene - TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Carbon Tetrachloride-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chlorobenzene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Chloroform-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,2-Dichloroethane-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
1,1-Dichloroethene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Methyl Ethyl Ketone-TCLP Ext.	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
Tetrachlorethylene-TCLP Ext.	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Trichloroethylene-TCLP Extract	EPA-8260	<85	ug/l	MG-BU-31	01/19/00
Vinyl Chloride-TCLP Extraction	EPA-8260	<170	ug/l	MG-BU-31	01/19/00
TCLP Extraction	EPA-1311	Complete		TCLP-C-17	01/18/00
Nitrobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVIO202AC
AES sample #: 000118 G10 Samples taken by: Ruspantini
MATRIX: Soil

Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Pyridine-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Cresols (Total) TCLP Extract.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
1,4-Dichlorobenzene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4-Dinitrotoluene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachlorobutadiene-TCLP Ext.	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Hexachloroethane-TCLP Extract	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Pentachlorophenol-TCLP Extract	EPA-8270	<500	ug/l	MT-BW-1	01/20/00
2,4,5-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
2,4,6-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-BW-1	01/20/00
Chlordane -TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Endrin-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Heptachlor Epoxide-TCLP Ext.	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Lindane-TCLP Extract	EPA-8081	<0.005	mg/l	KS-TG-C-41	01/19/00
Methoxychlor-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
Toxaphene-TCLP Extract	EPA-8081	<0.05	mg/l	KS-TG-C-41	01/19/00
2,4-D TCLP Extract	EPA-8151	<2	mg/l	KS-TG-C-41	01/20/00
2,4,5-TP (Silvex)-TCLP Extract	EPA-8151	<0.2	mg/l	KS-TG-C-41	01/20/00
Arsenic-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVI0202AC
AES sample #: 000118 G10
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St
composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Barium-TCLP Extraction	EPA-6010	0.46	mg/l	KH-I-3B-60	01/20/00
Cadmium-TCLP Extraction	EPA-6010	<0.01	mg/l	KH-I-3B-60	01/20/00
Chromium-TCLP Extraction	EPA-6010	<0.05	mg/l	KH-I-3B-60	01/20/00
Lead-TCLP Extraction	EPA-6010	<0.5	mg/l	KH-I-3B-60	01/20/00
Mercury-TCLP Extraction	EPA-7470	<0.02	mg/l	MW-PSO-70	01/19/00
Selenium-TCLP Extraction	EPA-6010	<0.1	mg/l	KH-I-3B-60	01/20/00
Silver-TCLP Extraction	EPA-6010	<0.02	mg/l	KH-I-3B-60	01/20/00
PCB-1016	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1221	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1232	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1242	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1248	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1254	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
PCB-1260	EPA-8082	<1	ug/g Dry	KF-PCBAE12	01/18/00
Naphthalene	EPA-8270	20	ug/g	MT-BW-1	01/19/00
Acenaphthylene	EPA-8270	3 J	ug/g	MT-BW-1	01/19/00
Acenaphthene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Fluorene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Phenanthrene	EPA-8270	33	ug/g	MT-BW-1	01/19/00
Anthracene	EPA-8270	6 J	ug/g	MT-BW-1	01/19/00

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVIO202AC
AES sample #: 000118 G10
Samples taken by: Ruspantini
MATRIX: Soil
Date Sampled: 01/15/00
Date sample received: 01/18/00
Location: Ithaca Court St composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Fluoranthene	EPA-8270	84	ug/g	MT-BW-1	01/19/00
Pyrene	EPA-8270	120	ug/g	MT-BW-1	01/19/00
Chrysene	EPA-8270	46	ug/g	MT-BW-1	01/19/00
Benzo(b)fluoranthene	EPA-8270	96	ug/g	MT-BW-1	01/19/00
Benzo(k)fluoranthene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(a)pyrene	EPA-8270	57	ug/g	MT-BW-1	01/19/00
Indeno(1,2,3-cd)pyrene	EPA-8270	42	ug/g	MT-BW-1	01/19/00
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/g	MT-BW-1	01/19/00
Benzo(g,h,i)perylene	EPA-8270	44	ug/g	MT-BW-1	01/19/00
Benzo(a)anthracene	EPA-8270	53	ug/g	MT-BW-1	01/19/00
2-Methylnaphthalene	EPA-8270	5 J	ug/g	MT-BW-1	01/19/00
Dibenzofuran	EPA-8270	<10	ug/g	MT-BW-1	01/19/00

(ppm)
Total PAH 609
Total CPAH 294

APPROVED BY: Christopher Hess
Report date: 01/21/00

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

CLIENT NAME: NYSEG
ADDRESS: PO Box 5224 Binghamton NY
PROJECT NAME (Location): Ithaca Court St MGP In Situ
PO NUMBER:
SAMPLERS: (Names) J Russomanno, AB Balchunas
SAMPLERS: (Signature)

AES SAMPLE NUMBER	CLIENT SAMPLE IDENTIFICATION & LOCATION	DATE SAMPLED	TIME A=a.m. P=p.m.		SAMPLE TYPE MATRIX	COMP	GRAB	NUMBER OF CONT'S	ANALYSIS REQUIRED
000118G01	ICVI0401C	1/5/2000	1531	A P	Soil	X		3	Full TCLP, Reactivity, Corrosivity, Ignitability, PAH, %Solid, PCB
G02	ICVI4801C		1543	A P					
G03	ICVI81201C		1600	A P					
G04	ICVI121601C		1605	A P					
G05	ICVI0402C			A P					
G06	ICVI4802C			A P					
G07	ICVI8202C			A P					
G08	ICVI121602C			A P					
G09	ICVI0201AC			A P					
G10	ICVI0202AC			A P					
				A P					
				A P					
				A P					

Turnaround Time: 72 Hour

Laboratory Approval:

Relinquished by: (Signature) 1/15/2000	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Dispatched by: (Signature) / Date/Time	Received for Laboratory by:	Date/Time 1/18/00 10:50
Method of Shipment:	Send Report To:	Client Phone No.:

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Today is Saturday, January 15, 2000 ***(Note: Tar vessel A is the same as Tar Vessel 1; Tar Vessel B is the same as Tar Vessel 2.)***
Ithaca Court Street Pre-remediation In Situ Sampling

We're at the Ithaca Court St. MGP site for the pre-remediation in situ sampling. It is approximately 8:30, the temperature is approximately 5°, weather conditions are sunny, partly sunny. We have Brian Balchickonis of Beak, George Lowe from NYSEG operating the backhoe, from Zebra we have Kenny and Mike. We're at tar well B, we're attempting to locate the first corner of the tar well.

9:06 - We uncovered the southeast corner of tar vessel B, appears to be concrete structure, no visible evidence of coal tar contamination on top of the structure, no coal tar odor.

Approximately 9:10, we found the northwest corner of tar vessel B, they'll proceed now to find the opening hatch of the tar vessel. No visible coal tar, no coal tar odors noticed in the soil above the corner of tar vessel B northwest or southeast.

Approximately 9:15, uncovered the corner that has the access hole, it appears to be a piece of sheet metal that was just sitting over the top of it and then over the top of that there's approximately two inches of soil and then over the top of that there's a thin layer of asphalt. The whole access hole appears to be about a foot and a half by a foot and a half square. Tar vessel B access point we've got a water sample and three tar samples at approximately between six and eight feet below grade level. The water is turbid and has significant coal tar odor. The tar that was recovered was black, odorous and somewhat watery. Depth to water ~ 2 ft bgs; depth of water ~2-3 ft; Depth of tar 2-3 ft. The bottom of tar vessel B appears to be approximately 6 to 8 feet bgs.

For tar vessel A, it appears that the drawing was not correct and the access hole is a little closer to the corner of the Markles Flats building. In reference to the Markles building, the entire structure seems to actually lie about 5 feet to the east of where it is depicted in the Task II drawing. A test pit dug in the southwest corner of tar vessel A shows that the top of the vessel is rounded.

Water samples for tar vessel A were collected pretty easily, having trouble collecting a tar sample. Water samples recovered are turbid and odorous. The tar is very deep - approximately 10 feet below grade. Recovered approximately ¾ quart of tar which is very viscous, black, sludgy and odorous. The depth to water is ~ 2 ft bgs; depth of water ~ 10 ft; depth of tar ~ 2-4 ft; The bottom of the tank is estimated at approximately 14 to 16 feet bgs.

Soil Sampling:

Tar Vessel B, Sample Point #1, 0-4 feet
We have brown soil, brown-black soil, with no visible tar, no coal tar odor. PID equals 0.0.

Tar Vessel B, Sample Point #2, 0-4 feet
Approximately two feet of recovery, no visible tar, no coal tar odor, dark sandy soil with fill. PID reading equals 0.0 ppm.

Tar Vessel B, Sample Point #3, 0-4 feet
Black soil with fill, no visible tar, slight coal tar odor, PID reading equals 0.0 ppm.

Tar Vessel B, Sample Point #4, 0-4 feet
Black soil with fill, no visible tar, slight coal tar odor, PID reading equals 0.0 ppm.

Tar Vessel B, Sample Point #1, 4-8 feet
Approximately 2 feet are recovery, no visible tar, plain soil with fill, PID reading equals 0.0 ppm.

Tar Vessel B, Sample Point #2, 4-8 feet
Brown clay soil, PID reading equals 0.0 ppm, slight coal tar odor.

Tar Vessel B, Sample Point #3, 4-8 feet
Brown, brownish-grayish clay, no visible tar, PID equals approximately 20 ppm, moderate coal tar odor.

Tar Vessel B, Sample Point #4, 4-8 feet
Recovered approximately two feet, gray clay with light coal tar contamination, slight coal tar odor, PID reading equals 0.5 ppm.

Tar Vessel B, Sample Point #1, 8-12 feet

There's gray clay, continuous throughout, no visible tar, PID reading equals approximately 20 ppm, slight to moderate coal tar odor.

Tar Vessel B, Sample Point #1, 12-16 feet, no recovery.

Tar Vessel B, Sample Point #2, 8-12 feet
Gray clay, coal tar contamination, slight to moderate, coal tar odor, PID reading is approximately 25 ppm.

Tar Vessel B, Sample Point #2, 12-16 feet below grade
PID reading equals approximately 13 ppm, gray clay with recovery of approximately three feet.

Tar Vessel B, Sample Point #3, 8-12 feet
Gray clay with a sheen, PID reading is approximately 9 ppm, light to moderate coal tar odor.

Tar Vessel B, Sample Point #3, 12-16 feet
Gray clay, continuous throughout, some coal tar staining, moderate coal tar odor, PID reading equals approximately 25 ppm.

Tar Vessel B, Sample Point #4, 8-12 feet
No recovery.

Tar Vessel B, Sample Point #4, 12-16 feet
Gray clay, coal tar contamination towards the bottom of the coring, PID reading approximately 15 ppm, minor coal tar odor.

Tar Vessel A: Note that sample point #4 was abandoned because of a building foundation causing refusal in that area.

Tar Vessel A, Sample Point #1, 0-4 feet
There is black sandy soil with fill, no visible tar, no coal tar odor, PID reading equals 0.0 ppm.

Tar Vessel A, Sample Point #2, 0-4 feet
Dark soil with fill, PID reading equals 0.0 ppm, no visible tar, no coal tar odor.

Tar Vessel A, Sample Point #3, 0-4 feet
There's multi-colored sandy soil with fill, no visible tar, PID reading equals 0.0 ppm, no coal tar odor.

Tar Vessel A, Sample Point #1, 4-8 feet
PID reading is approximately 45 ppm, coal tar contamination is visible, clay continuous throughout, moderate coal tar odor.

Tar Vessel A, Sample Point #2, 4-8 feet
PID reading equals approximately 35 ppm, clay contaminated with coal tar, moderate coal tar odor, approximately four feet of recovery.

Tar Vessel A, Sample Point #3, 4-8 feet
PID is equal to approximately 25 ppm, with gray clay contaminated with coal tar, moderate coal tar odor.

Tar Vessel A, Sample Point #1, 8-12 feet
No recovery.

Tar Vessel A, Sample Point #2, 8-12 feet
Approximately six to eight inches of recovery, clay with moderate coal tar odor, PID reading equals approximately 1 ppm.

Tar Vessel A, Sample Point #3, 8-12 feet
Contaminated gray clay, PID reading equals approximately 8 ppm, moderate to strong coal tar odor.

Tar Vessel A, Sample Point #1, 12-16 feet
Gray clay with coal tar contamination, moderate coal tar odor, PID reading equals approximately 10 ppm.

Tar Vessel A, Sample Point #2, 12-16 feet
Gray clay with moderate coal tar contamination towards the top of the coring, gray clay, PID reading equals approximately 5 ppm, moderate coal tar odor.

Tar Vessel A, Sample Point #3, 12-16 feet
No recovery.

Tar Vessel A, Sample Point #1A, 0-2 feet
Approximately 12 inches of recovery, PID reading equals 0.0 ppm, sandy soil and fill, no visible tar, no coal tar odor.

Tar Vessel A, Sample Point #2A, 0-2 feet
Brown sandy clay with fill, PID reading equals 0.0 ppm, no visible tar, no coal tar odor.

Tar Vessel A, Sample Point #3A, 0-2 feet
Black sandy soil, no visible coal tar, no coal tar odor, PID reading equals 0.0 ppm. Interval 0-2 feet.

Tar Vessel B, Sample Point #1A, 0 to approximately 2 feet
Brown sandy clay soil, PID reading equals approximately 2 ppm, no visible tar, no coal tar odor.

Tar Vessel B, Sample Point #2A, 0-2 feet
Black and brown sandy clay with fill, no visible coal tar, no coal tar odor.

Tar Vessel A, Sample Point #3A, refusal at 1.5 feet, sampling interval equals 0-2 feet.
With fill, black sandy soil, no visible tar, no coal tar odor.

End of sampling for the day at approximately 17:00, Ithaca Court St. MGP,
pre-remediation in situ sampling.

APPENDIX C

MATERIAL DISPOSITION

NYSEG Ithaca Court Street
Former Manufactured Gas Plant Site
2000 Interim Remedial Measures Project

Horizon Environmental, Inc. Landfill, Grandes-Piles, Quebec, Canada
RCRA Hazardous CTS Disposal

Load	Ship Date	Canada Manifest Number	New York Manifest Number	Horizon Ticket Number	Tonnage
01	03/03/00	LL62984-1	NYG2472066	17101	30.21
02	03/03/00	LL62885-8	NYG2472084	17109	29.46
03	03/03/00	LL62989-0	NYG2472075	17100	19.54
04	03/03/00	LL62987-4	NYG2472057	17099	24.78
05	03/07/00	LL62974-2	NYG2472183	17105	27.74
06	03/07/00	LL62976-7	NYG2472174	17104	30.40
07	03/08/00	LL62977-5	NYG2472165	17113	28.55
08	03/09/00	LL62979-1	NYG2472156	17115	29.42
09	03/09/00	9075694-1	NYG1730304	17128	16.12
				Total Tonnage	**236.22**

NYSEG Ithaca Court Street
Former Manufactured Gas Plant Site
2000 Interim Remedial Measures Project

Casie/Mart, Vineland, New Jersey
RCRA Hazardous CTS Disposal

Load	Ship Date	New Jersey Manifest	Mart Weigh Ticket	Tonnage
01	03/02/00	NJA3036079	017377	18.47
02	03/10/00	NJA3036218	27091	25 Cu. Yds

NYSEG Ithaca Court Street
Former Manufactured Gas Plant Site
2000 Interim Remedial Measures Project

Seneca Meadows Landfill, Waterloo, NY
RCRA Non-Hazardous CTS Disposal

Load	Date	NYSEG Manifest Number	Seneca Meadows Ticket Number	Silvarole Trucking Truck ID	Tonnage
01	02/24/00	ITH-00-01	599309	S13	32.64
02	02/24/00	ITH-00-02	599430	S13	39.18
03	02/24/00	ITH-00-03	599575	S13	37.07
04	02/27/00	ITH-00-04	599652	T20	35.79
05	02/27/00	ITH-00-05	599673	S13	18.46
06	03/06/00	ITH-00-06	601494	S32	32.15
07	03/06/00	ITH-00-07	601663	S32	33.61
08	03/07/00	ITH-00-08	601796	S9	40.26
09	03/07/00	ITH-00-09	601803	S32	33.56
10	03/07/00	ITH-00-10	602030	S9	46.41
11	03/09/00	ITH-00-11	602394	S9	44.27
12	03/10/00	ITH-00-12	602644	S9	34.40
13	03/10/00	ITH-00-13	602751	S9	32.49
14	03/15/00	ITH-00-14	603516	S36	34.13
15	07/06/00	ITH-00-40	637303	S36	44.02
16	07/06/00	ITH-00-41	637420	S36	3.84
				Total Tonnage	542.28

NYSEG Ithaca Court Street
Former Manufactured Gas Plant Site
2000 Interim Remedial Measures Project

Casie/Mart, Vineland, New Jersey
RCRA Hazardous Liquid Disposal

Load	Ship Date	New Jersey Manifest	Mart Weigh Ticket	Gallons
01	02/24/00	NJA3036052	27050	2,925
02	02/24/00	NJA3036053	27051	4,376
03	02/24/00	NJA3036054	27049	4,600
04	02/24/00	NJA3036055	27048	4,675
05	03/10/00	NJA3036217	30778	2,050
			Total Tonnage	18,626

NYSEG Ithaca Court Street
Former Manufactured Gas Plant Site
2000 Interim Remedial Measures Project

Norlite Corporation, Cohoes, New York
RCRA Hazardous Liquid Disposal

Load	Ship Date	New York Manifest	Norlite Weigh Ticket	Gallons
01	03/01/00	NYG1768356	W512947	2,508
02	03/01/00	NYG1768365	W512949	3,260
03	03/02/00	NYG1768374	W512958	2,522
			Total Tonnage	8,290

APPENDIX D

ANALYTICAL RESULTS FOR COMMUNITY AIR MONITORING

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
02/23/00	1230	U2BACK0223	RTS-2	SE	Benzene	<0.006
02/23/00	1230	U2BACK0223	RTS-2	SE	Toluene	<0.005
02/23/00	1230	U2BACK0223	RTS-2	SE	Ethylbenzene	<0.008
02/23/00	1230	U2BACK0223	RTS-2	SE	m,p-Xylene	<0.04
02/23/00	1230	U2BACK0223	RTS-2	SE	o-Xylene	<0.02
02/23/00	1300	D4BACK0223	RTS-4	ESE	Benzene	<0.006
02/23/00	1300	D4BACK0223	RTS-4	ESE	Toluene	<0.005
02/23/00	1300	D4BACK0223	RTS-4	ESE	Ethylbenzene	<0.008
02/23/00	1300	D4BACK0223	RTS-4	ESE	m,p-Xylene	<0.04
02/23/00	1300	D4BACK0223	RTS-4	ESE	o-Xylene	<0.02
02/24/00	0800	U208000224	RTS-2	SE	Benzene	<0.006
02/24/00	0800	U208000224	RTS-2	SE	Toluene	0.003
02/24/00	0800	U208000224	RTS-2	SE	Ethylbenzene	<0.008
02/24/00	0800	U208000224	RTS-2	SE	m,p-Xylene	<0.04
02/24/00	0800	U208000224	RTS-2	SE	o-Xylene	<0.02
02/24/00	0830	D408300224	RTS-4	S	Benzene	0.021
02/24/00	0830	D408300224	RTS-4	S	Toluene	0.003
02/24/00	0830	D408300224	RTS-4	S	Ethylbenzene	<0.008
02/24/00	0830	D408300224	RTS-4	S	m,p-Xylene	<0.04
02/24/00	0830	D408300224	RTS-4	S	o-Xylene	<0.02
02/24/00	1000	U210000224	RTS-2	S	Benzene	<0.006
02/24/00	1000	U210000224	RTS-2	S	Toluene	<0.005
02/24/00	1000	U210000224	RTS-2	S	Ethylbenzene	<0.008
02/24/00	1000	U210000224	RTS-2	S	m,p-Xylene	<0.04
02/24/00	1000	U210000224	RTS-2	S	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
02/24/00	1030	D410300224	RTS-4	SW	Benzene	<0.006
02/24/00	1030	D410300224	RTS-4	SW	Toluene	<0.005
02/24/00	1030	D410300224	RTS-4	SW	Ethylbenzene	<0.008
02/24/00	1030	D410300224	RTS-4	SW	m,p-Xylene	<0.04
02/24/00	1030	D410300224	RTS-4	SW	o-Xylene	<0.02
02/24/00	1200	U212000224	RTS-2	SSE	Benzene	<0.006
02/24/00	1200	U212000224	RTS-2	SSE	Toluene	<0.005
02/24/00	1200	U212000224	RTS-2	SSE	Ethylbenzene	<0.008
02/24/00	1200	U212000224	RTS-2	SSE	m,p-Xylene	<0.04
02/24/00	1200	U212000224	RTS-2	SSE	o-Xylene	<0.02
02/24/00	1230	D412300224	RTS-4	SSE	Benzene	0.008
02/24/00	1230	D412300224	RTS-4	SSE	Toluene	0.005
02/24/00	1230	D412300224	RTS-4	SSE	Ethylbenzene	<0.008
02/24/00	1230	D412300224	RTS-4	SSE	m,p-Xylene	<0.04
02/24/00	1230	D412300224	RTS-4	SSE	o-Xylene	<0.02
02/24/00	1400	U214000224	RTS-2	SE	Benzene	0.005
02/24/00	1400	U214000224	RTS-2	SE	Toluene	<0.005
02/24/00	1400	U214000224	RTS-2	SE	Ethylbenzene	<0.008
02/24/00	1400	U214000224	RTS-2	SE	m,p-Xylene	<0.04
02/24/00	1400	U214000224	RTS-2	SE	o-Xylene	<0.02
02/24/00	1430	D414300224	RTS-4	SE	Benzene	<0.006
02/24/00	1430	D414300224	RTS-4	SE	Toluene	<0.005
02/24/00	1430	D414300224	RTS-4	SE	Ethylbenzene	<0.008
02/24/00	1430	D414300224	RTS-4	SE	m,p-Xylene	<0.04
02/24/00	1430	D414300224	RTS-4	SE	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
02/25/00	0730	U207300225	RTS-2	S	Benzene	0.007
02/25/00	0730	U207300225	RTS-2	S	Toluene	0.004
02/25/00	0730	U207300225	RTS-2	S	Ethylbenzene	<0.008
02/25/00	0730	U207300225	RTS-2	S	m,p-Xylene	<0.04
02/25/00	0730	U207300225	RTS-2	S	o-Xylene	<0.02
02/25/00	0800	D408000225	RTS-4	S	Benzene	0.007
02/25/00	0800	D408000225	RTS-4	S	Toluene	0.003
02/25/00	0800	D408000225	RTS-4	S	Ethylbenzene	<0.008
02/25/00	0800	D408000225	RTS-4	S	m,p-Xylene	<0.04
02/25/00	0800	D408000225	RTS-4	S	o-Xylene	<0.02
02/25/00	0930	U209300225	RTS-2	SSE	Benzene	0.007
02/25/00	0930	U209300225	RTS-2	SSE	Toluene	0.007
02/25/00	0930	U209300225	RTS-2	SSE	Ethylbenzene	<0.008
02/25/00	0930	U209300225	RTS-2	SSE	m,p-Xylene	<0.04
02/25/00	0930	U209300225	RTS-2	SSE	o-Xylene	<0.02
02/25/00	1000	D410000225	RTS-4	SSE	Benzene	<0.006
02/25/00	1000	D410000225	RTS-4	SSE	Toluene	0.004
02/25/00	1000	D410000225	RTS-4	SSE	Ethylbenzene	<0.008
02/25/00	1000	D410000225	RTS-4	SSE	m,p-Xylene	<0.04
02/25/00	1000	D410000225	RTS-4	SSE	o-Xylene	<0.02
02/25/00	1130	U211300225	RTS-2	SSE	Benzene	0.007
02/25/00	1130	U211300225	RTS-2	SSE	Toluene	0.007
02/25/00	1130	U211300225	RTS-2	SSE	Ethylbenzene	<0.008
02/25/00	1130	U211300225	RTS-2	SSE	m,p-Xylene	<0.04
02/25/00	1130	U211300225	RTS-2	SSE	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
02/25/00	1200	D412000225	RTS-4	SSE	Benzene	<0.006
02/25/00	1200	D412000225	RTS-4	SSE	Toluene	0.003
02/25/00	1200	D412000225	RTS-4	SSE	Ethylbenzene	<0.008
02/25/00	1200	D412000225	RTS-4	SSE	m,p-Xylene	<0.04
02/25/00	1200	D412000225	RTS-4	SSE	o-Xylene	<0.02
02/25/00	1330	U213300225	RTS-2	SSE	Benzene	<0.006
02/25/00	1330	U213300225	RTS-2	SSE	Toluene	0.004
02/25/00	1330	U213300225	RTS-2	SSE	Ethylbenzene	<0.008
02/25/00	1330	U213300225	RTS-2	SSE	m,p-Xylene	<0.04
02/25/00	1330	U213300225	RTS-2	SSE	o-Xylene	<0.02
02/25/00	1400	D414000225	RTS-4	SSE	Benzene	<0.006
02/25/00	1400	D414000225	RTS-4	SSE	Toluene	0.003
02/25/00	1400	D414000225	RTS-4	SSE	Ethylbenzene	<0.008
02/25/00	1400	D414000225	RTS-4	SSE	m,p-Xylene	<0.04
02/25/00	1400	D414000225	RTS-4	SSE	o-Xylene	<0.02
02/25/00	1530	U115300225	RTS-1	E	Benzene	<0.006
02/25/00	1530	U115300225	RTS-1	E	Toluene	0.003
02/25/00	1530	U115300225	RTS-1	E	Ethylbenzene	<0.008
02/25/00	1530	U115300225	RTS-1	E	m,p-Xylene	<0.04
02/25/00	1530	U115300225	RTS-1	E	o-Xylene	<0.02
02/25/00	1600	D316000225	RTS-3	ESE	Benzene	0.004
02/25/00	1600	D316000225	RTS-3	ESE	Toluene	<0.005
02/25/00	1600	D316000225	RTS-3	ESE	Ethylbenzene	<0.008
02/25/00	1600	D316000225	RTS-3	ESE	m,p-Xylene	<0.04
02/25/00	1600	D316000225	RTS-3	ESE	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
02/28/00	0730	U307300228	RTS-3	W	Benzene	0.007
02/28/00	0730	U307300228	RTS-3	W	Toluene	0.003
02/28/00	0730	U307300228	RTS-3	W	Ethylbenzene	<0.008
02/28/00	0730	U307300228	RTS-3	W	m,p-Xylene	<0.04
02/28/00	0730	U307300228	RTS-3	W	o-Xylene	<0.02
02/28/00	0800	D108000228	RTS-1	W	Benzene	0.007
02/28/00	0800	D108000228	RTS-1	W	Toluene	0.004
02/28/00	0800	D108000228	RTS-1	W	Ethylbenzene	<0.008
02/28/00	0800	D108000228	RTS-1	W	m,p-Xylene	<0.04
02/28/00	0800	D108000228	RTS-1	W	o-Xylene	<0.02
02/28/00	0930	U309300228	RTS-3	W	Benzene	<0.006
02/28/00	0930	U309300228	RTS-3	W	Toluene	<0.005
02/28/00	0930	U309300228	RTS-3	W	Ethylbenzene	<0.008
02/28/00	0930	U309300228	RTS-3	W	m,p-Xylene	<0.04
02/28/00	0930	U309300228	RTS-3	W	o-Xylene	<0.02
02/28/00	1000	D110000228	RTS-1	W	Benzene	<0.006
02/28/00	1000	D110000228	RTS-1	W	Toluene	<0.005
02/28/00	1000	D110000228	RTS-1	W	Ethylbenzene	<0.008
02/28/00	1000	D110000228	RTS-1	W	m,p-Xylene	<0.04
02/28/00	1000	D110000228	RTS-1	W	o-Xylene	<0.02
02/28/00	1130	U311300228	RTS-3	WNW	Benzene	<0.006
02/28/00	1130	U311300228	RTS-3	WNW	Toluene	<0.005
02/28/00	1130	U311300228	RTS-3	WNW	Ethylbenzene	<0.008
02/28/00	1130	U311300228	RTS-3	WNW	m,p-Xylene	<0.04
02/28/00	1130	U311300228	RTS-3	WNW	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
02/28/00	1200	D112000228	RTS-1	WNW	Benzene	<0.006
02/28/00	1200	D112000228	RTS-1	WNW	Toluene	<0.005
02/28/00	1200	D112000228	RTS-1	WNW	Ethylbenzene	<0.008
02/28/00	1200	D112000228	RTS-1	WNW	m,p-Xylene	<0.04
02/28/00	1200	D112000228	RTS-1	WNW	o-Xylene	<0.02
02/28/00	1330	U311300228	RTS-3	W	Benzene	0.012
02/28/00	1330	U311300228	RTS-3	W	Toluene	0.007
02/28/00	1330	U311300228	RTS-3	W	Ethylbenzene	<0.008
02/28/00	1330	U311300228	RTS-3	W	m,p-Xylene	<0.04
02/28/00	1330	U311300228	RTS-3	W	o-Xylene	<0.02
02/28/00	1400	D114000228	RTS-1	W	Benzene	0.008
02/28/00	1400	D114000228	RTS-1	W	Toluene	0.007
02/28/00	1400	D114000228	RTS-1	W	Ethylbenzene	<0.008
02/28/00	1400	D114000228	RTS-1	W	m,p-Xylene	<0.04
02/28/00	1400	D114000228	RTS-1	W	o-Xylene	<0.02
02/29/00	0730	U307300229	RTS-3	WNW	Benzene	<0.006
02/29/00	0730	U307300229	RTS-3	WNW	Toluene	<0.005
02/29/00	0730	U307300229	RTS-3	WNW	Ethylbenzene	<0.008
02/29/00	0730	U307300229	RTS-3	WNW	m,p-Xylene	<0.04
02/29/00	0730	U307300229	RTS-3	WNW	o-Xylene	<0.02
02/29/00	0800	D108000229	RTS-1	WNW	Benzene	0.008
02/29/00	0800	D108000229	RTS-1	WNW	Toluene	<0.005
02/29/00	0800	D108000229	RTS-1	WNW	Ethylbenzene	<0.008
02/29/00	0800	D108000229	RTS-1	WNW	m,p-Xylene	<0.04
02/29/00	0800	D108000229	RTS-1	WNW	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
02/29/00	0930	U309300229	RTS-3	WNW	Benzene	<0.006
02/29/00	0930	U309300229	RTS-3	WNW	Toluene	0.005
02/29/00	0930	U309300229	RTS-3	WNW	Ethylbenzene	<0.008
02/29/00	0930	U309300229	RTS-3	WNW	m,p-Xylene	<0.04
02/29/00	0930	U309300229	RTS-3	WNW	o-Xylene	<0.02
02/29/00	1000	D110000229	RTS-1	WNW	Benzene	0.013
02/29/00	1000	D110000229	RTS-1	WNW	Toluene	0.010
02/29/00	1000	D110000229	RTS-1	WNW	Ethylbenzene	<0.008
02/29/00	1000	D110000229	RTS-1	WNW	m,p-Xylene	<0.04
02/29/00	1000	D110000229	RTS-1	WNW	o-Xylene	<0.02
02/29/00	1130	U411300229	RTS-4	N	Benzene	<0.006
02/29/00	1130	U411300229	RTS-4	N	Toluene	<0.005
02/29/00	1130	U411300229	RTS-4	N	Ethylbenzene	<0.008
02/29/00	1130	U411300229	RTS-4	N	m,p-Xylene	<0.04
02/29/00	1130	U411300229	RTS-4	N	o-Xylene	<0.02
02/29/00	1200	D212000229	RTS-2	NNW	Benzene	0.010
02/29/00	1200	D212000229	RTS-2	NNW	Toluene	0.008
02/29/00	1200	D212000229	RTS-2	NNW	Ethylbenzene	<0.008
02/29/00	1200	D212000229	RTS-2	NNW	m,p-Xylene	<0.04
02/29/00	1200	D212000229	RTS-2	NNW	o-Xylene	<0.02
02/29/00	1330	U413300229	RTS-4	N	Benzene	<0.006
02/29/00	1330	U413300229	RTS-4	N	Toluene	<0.005
02/29/00	1330	U413300229	RTS-4	N	Ethylbenzene	<0.008
02/29/00	1330	U413300229	RTS-4	N	m,p-Xylene	<0.04
02/29/00	1330	U413300229	RTS-4	N	o-Xylene	0.01

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
02/29/00	1400	D214000229	RTS-2	NNW	Benzene	<0.006
02/29/00	1400	D214000229	RTS-2	NNW	Toluene	<0.005
02/29/00	1400	D214000229	RTS-2	NNW	Ethylbenzene	<0.008
02/29/00	1400	D214000229	RTS-2	NNW	m,p-Xylene	<0.04
02/29/00	1400	D214000229	RTS-2	NNW	o-Xylene	<0.02
03/01/00	0730	U207300301	RTS-2	S	Benzene	<0.006
03/01/00	0730	U207300301	RTS-2	S	Toluene	<0.005
03/01/00	0730	U207300301	RTS-2	S	Ethylbenzene	<0.008
03/01/00	0730	U207300301	RTS-2	S	m,p-Xylene	<0.04
03/01/00	0730	U207300301	RTS-2	S	o-Xylene	<0.02
03/01/00	0800	D408000301	RTS-4	SSE	Benzene	<0.006
03/01/00	0800	D408000301	RTS-4	SSE	Toluene	<0.005
03/01/00	0800	D408000301	RTS-4	SSE	Ethylbenzene	<0.008
03/01/00	0800	D408000301	RTS-4	SSE	m,p-Xylene	<0.04
03/01/00	0800	D408000301	RTS-4	SSE	o-Xylene	<0.02
03/01/00	0930	U209300301	RTS-2	SSE	Benzene	<0.006
03/01/00	0930	U209300301	RTS-2	SSE	Toluene	<0.005
03/01/00	0930	U209300301	RTS-2	SSE	Ethylbenzene	<0.008
03/01/00	0930	U209300301	RTS-2	SSE	m,p-Xylene	<0.04
03/01/00	0930	U209300301	RTS-2	SSE	o-Xylene	<0.02
03/01/00	1000	D410000301	RTS-4	SSE	Benzene	<0.006
03/01/00	1000	D410000301	RTS-4	SSE	Toluene	<0.005
03/01/00	1000	D410000301	RTS-4	SSE	Ethylbenzene	<0.008
03/01/00	1000	D410000301	RTS-4	SSE	m,p-Xylene	<0.04
03/01/00	1000	D410000301	RTS-4	SSE	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
03/01/00	1130	U211300301	RTS-2	SSE	Benzene	<0.006
03/01/00	1130	U211300301	RTS-2	SSE	Toluene	<0.005
03/01/00	1130	U211300301	RTS-2	SSE	Ethylbenzene	<0.008
03/01/00	1130	U211300301	RTS-2	SSE	m,p-Xylene	<0.04
03/01/00	1130	U211300301	RTS-2	SSE	o-Xylene	<0.02
03/01/00	1200	D412000301	RTS-4	S	Benzene	<0.006
03/01/00	1200	D412000301	RTS-4	S	Toluene	<0.005
03/01/00	1200	D412000301	RTS-4	S	Ethylbenzene	<0.008
03/01/00	1200	D412000301	RTS-4	S	m,p-Xylene	<0.04
03/01/00	1200	D412000301	RTS-4	S	o-Xylene	<0.02
03/01/00	1330	U213300301	RTS-2	S	Benzene	<0.006
03/01/00	1330	U213300301	RTS-2	S	Toluene	<0.005
03/01/00	1330	U213300301	RTS-2	S	Ethylbenzene	<0.008
03/01/00	1330	U213300301	RTS-2	S	m,p-Xylene	<0.04
03/01/00	1330	U213300301	RTS-2	S	o-Xylene	<0.02
03/01/00	1400	D414000301	RTS-4	S	Benzene	0.230
03/01/00	1400	D414000301	RTS-4	S	Toluene	0.088
03/01/00	1400	D414000301	RTS-4	S	Ethylbenzene	<0.008
03/01/00	1400	D414000301	RTS-4	S	m,p-Xylene	<0.04
03/01/00	1400	D414000301	RTS-4	S	o-Xylene	<0.02
03/01/00	1530	U215300302	RTS-2	S	Benzene	0.071
03/01/00	1530	U215300302	RTS-2	S	Toluene	0.036
03/01/00	1530	U215300302	RTS-2	S	Ethylbenzene	<0.008
03/01/00	1530	U215300302	RTS-2	S	m,p-Xylene	<0.04
03/01/00	1530	U215300302	RTS-2	S	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
03/01/00	1600	D416000302	RTS-4	SSE	Benzene	0.121
03/01/00	1600	D416000302	RTS-4	SSE	Toluene	0.050
03/01/00	1600	D416000302	RTS-4	SSE	Ethylbenzene	<0.008
03/01/00	1600	D416000302	RTS-4	SSE	m,p-Xylene	<0.04
03/01/00	1600	D416000302	RTS-4	SSE	o-Xylene	<0.02
03/02/00	0730	U307300302	RTS-3	WNW	Benzene	<0.006
03/02/00	0730	U307300302	RTS-3	WNW	Toluene	<0.005
03/02/00	0730	U307300302	RTS-3	WNW	Ethylbenzene	<0.008
03/02/00	0730	U307300302	RTS-3	WNW	m,p-Xylene	<0.04
03/02/00	0730	U307300302	RTS-3	WNW	o-Xylene	<0.02
03/02/00	0800	D108000302	RTS-1	WSW	Benzene	0.071
03/02/00	0800	D108000302	RTS-1	WSW	Toluene	0.029
03/02/00	0800	D108000302	RTS-1	WSW	Ethylbenzene	<0.008
03/02/00	0800	D108000302	RTS-1	WSW	m,p-Xylene	<0.04
03/02/00	0800	D108000302	RTS-1	WSW	o-Xylene	<0.02
03/02/00	0930	U309300302	RTS-3	W	Benzene	0.012
03/02/00	0930	U309300302	RTS-3	W	Toluene	<0.005
03/02/00	0930	U309300302	RTS-3	W	Ethylbenzene	<0.008
03/02/00	0930	U309300302	RTS-3	W	m,p-Xylene	<0.04
03/02/00	0930	U309300302	RTS-3	W	o-Xylene	<0.02
03/02/00	1000	D110000302	RTS-1	WNW	Benzene	0.049
03/02/00	1000	D110000302	RTS-1	WNW	Toluene	0.024
03/02/00	1000	D110000302	RTS-1	WNW	Ethylbenzene	<0.008
03/02/00	1000	D110000302	RTS-1	WNW	m,p-Xylene	<0.04
03/02/00	1000	D110000302	RTS-1	WNW	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
03/02/00	1130	U311300302	RTS-3	WNW	Benzene	<0.006
03/02/00	1130	U311300302	RTS-3	WNW	Toluene	<0.005
03/02/00	1130	U311300302	RTS-3	WNW	Ethylbenzene	<0.008
03/02/00	1130	U311300302	RTS-3	WNW	m,p-Xylene	<0.04
03/02/00	1130	U311300302	RTS-3	WNW	o-Xylene	<0.02
03/02/00	1200	D112000302	RTS-1	WNW	Benzene	0.013
03/02/00	1200	D112000302	RTS-1	WNW	Toluene	<0.005
03/02/00	1200	D112000302	RTS-1	WNW	Ethylbenzene	<0.008
03/02/00	1200	D112000302	RTS-1	WNW	m,p-Xylene	<0.04
03/02/00	1200	D112000302	RTS-1	WNW	o-Xylene	<0.02
03/02/00	1330	U313300302	RTS-3	WNW	Benzene	<0.006
03/02/00	1330	U313300302	RTS-3	WNW	Toluene	<0.005
03/02/00	1330	U313300302	RTS-3	WNW	Ethylbenzene	<0.008
03/02/00	1330	U313300302	RTS-3	WNW	m,p-Xylene	<0.04
03/02/00	1330	U313300302	RTS-3	WNW	o-Xylene	<0.02
03/02/00	1400	D114000302	RTS-1	W	Benzene	0.016
03/02/00	1400	D114000302	RTS-1	W	Toluene	<0.005
03/02/00	1400	D114000302	RTS-1	W	Ethylbenzene	<0.008
03/02/00	1400	D114000302	RTS-1	W	m,p-Xylene	<0.04
03/02/00	1400	D114000302	RTS-1	W	o-Xylene	<0.02
03/02/00	1530	U315300302	RTS-3	WNW	Benzene	<0.006
03/02/00	1530	U315300302	RTS-3	WNW	Toluene	<0.005
03/02/00	1530	U315300302	RTS-3	WNW	Ethylbenzene	<0.008
03/02/00	1530	U315300302	RTS-3	WNW	m,p-Xylene	<0.04
03/02/00	1530	U315300302	RTS-3	WNW	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
03/02/00	1600	D116000302	RTS-1	W	Benzene	0.012
03/02/00	1600	D116000302	RTS-1	W	Toluene	<0.005
03/02/00	1600	D116000302	RTS-1	W	Ethylbenzene	<0.008
03/02/00	1600	D116000302	RTS-1	W	m,p-Xylene	<0.04
03/02/00	1600	D116000302	RTS-1	W	o-Xylene	<0.02
03/03/00	0730	U307300303	RTS-3	WNW	Benzene	<0.006
03/03/00	0730	U307300303	RTS-3	WNW	Toluene	<0.005
03/03/00	0730	U307300303	RTS-3	WNW	Ethylbenzene	<0.008
03/03/00	0730	U307300303	RTS-3	WNW	m,p-Xylene	<0.04
03/03/00	0730	U307300303	RTS-3	WNW	o-Xylene	<0.02
03/03/00	0800	D108000303	RTS-1	WNW	Benzene	<0.006
03/03/00	0800	D108000303	RTS-1	WNW	Toluene	<0.005
03/03/00	0800	D108000303	RTS-1	WNW	Ethylbenzene	<0.008
03/03/00	0800	D108000303	RTS-1	WNW	m,p-Xylene	<0.04
03/03/00	0800	D108000303	RTS-1	WNW	o-Xylene	<0.02
03/03/00	0930	U409300303	RTS-4	NW	Benzene	<0.006
03/03/00	0930	U409300303	RTS-4	NW	Toluene	<0.005
03/03/00	0930	U409300303	RTS-4	NW	Ethylbenzene	<0.008
03/03/00	0930	U409300303	RTS-4	NW	m,p-Xylene	<0.04
03/03/00	0930	U409300303	RTS-4	NW	o-Xylene	<0.02
03/03/00	1000	D210000303	RTS-2	NW	Benzene	0.210
03/03/00	1000	D210000303	RTS-2	NW	Toluene	0.095
03/03/00	1000	D210000303	RTS-2	NW	Ethylbenzene	<0.008
03/03/00	1000	D210000303	RTS-2	NW	m,p-Xylene	<0.04
03/03/00	1000	D210000303	RTS-2	NW	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
03/03/00	1130	U411300303	RTS-4	NW	Benzene	0.015
03/03/00	1130	U411300303	RTS-4	NW	Toluene	0.018
03/03/00	1130	U411300303	RTS-4	NW	Ethylbenzene	<0.008
03/03/00	1130	U411300303	RTS-4	NW	m,p-Xylene	<0.04
03/03/00	1130	U411300303	RTS-4	NW	o-Xylene	<0.02
03/03/00	1200	D212000303	RTS-2	NW	Benzene	0.076
03/03/00	1200	D212000303	RTS-2	NW	Toluene	0.044
03/03/00	1200	D212000303	RTS-2	NW	Ethylbenzene	<0.008
03/03/00	1200	D212000303	RTS-2	NW	m,p-Xylene	<0.04
03/03/00	1200	D212000303	RTS-2	NW	o-Xylene	<0.02
03/03/00	1330	U413300303	RTS-3	NW	Benzene	<0.006
03/03/00	1330	U413300303	RTS-3	NW	Toluene	<0.005
03/03/00	1330	U413300303	RTS-3	NW	Ethylbenzene	<0.008
03/03/00	1330	U413300303	RTS-3	NW	m,p-Xylene	<0.04
03/03/00	1330	U413300303	RTS-3	NW	o-Xylene	<0.02
03/03/00	1400	D214000303	RTS-2	NW	Benzene	<0.006
03/03/00	1400	D214000303	RTS-2	NW	Toluene	<0.005
03/03/00	1400	D214000303	RTS-2	NW	Ethylbenzene	<0.008
03/03/00	1400	D214000303	RTS-2	NW	m,p-Xylene	<0.04
03/03/00	1400	D214000303	RTS-2	NW	o-Xylene	<0.02
03/04/00	0800	U408000306	RTS-4	NW	Benzene	<0.006
03/04/00	0800	U408000306	RTS-4	NW	Toluene	<0.005
03/04/00	0800	U408000306	RTS-4	NW	Ethylbenzene	<0.008
03/04/00	0800	U408000306	RTS-4	NW	m,p-Xylene	<0.04
03/04/00	0800	U408000306	RTS-4	NW	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
03/06/00	0830	D208300306	RTS-2	NW	Benzene	<0.006
03/06/00	0830	D208300306	RTS-2	NW	Toluene	<0.005
03/06/00	0830	D208300306	RTS-2	NW	Ethylbenzene	<0.008
03/06/00	0830	D208300306	RTS-2	NW	m,p-Xylene	<0.04
03/06/00	0830	D208300306	RTS-2	NW	o-Xylene	<0.02
03/06/00	1000	U410000306	RTS-4	N	Benzene	<0.006
03/06/00	1000	U410000306	RTS-4	N	Toluene	<0.005
03/06/00	1000	U410000306	RTS-4	N	Ethylbenzene	<0.008
03/06/00	1000	U410000306	RTS-4	N	m,p-Xylene	<0.04
03/06/00	1000	U410000306	RTS-4	N	o-Xylene	<0.02
03/06/00	1030	D210300306	RTS-2	N	Benzene	<0.006
03/06/00	1030	D210300306	RTS-2	N	Toluene	<0.005
03/06/00	1030	D210300306	RTS-2	N	Ethylbenzene	<0.008
03/06/00	1030	D210300306	RTS-2	N	m,p-Xylene	<0.04
03/06/00	1030	D210300306	RTS-2	N	o-Xylene	<0.02
03/06/00	1200	U412000306	RTS-4	NW	Benzene	<0.006
03/06/00	1200	U412000306	RTS-4	NW	Toluene	<0.005
03/06/00	1200	U412000306	RTS-4	NW	Ethylbenzene	<0.008
03/06/00	1200	U412000306	RTS-4	NW	m,p-Xylene	<0.04
03/06/00	1200	U412000306	RTS-4	NW	o-Xylene	<0.02
03/06/00	1230	D212300306	RTS-2	NW	Benzene	<0.006
03/06/00	1230	D212300306	RTS-2	NW	Toluene	<0.005
03/06/00	1230	D212300306	RTS-2	NW	Ethylbenzene	<0.008
03/06/00	1230	D212300306	RTS-2	NW	m,p-Xylene	<0.04
03/06/00	1230	D212300306	RTS-2	NW	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
03/06/00	1400	U414000306	RTS-4	N	Benzene	<0.006
03/06/00	1400	U414000306	RTS-4	N	Toluene	<0.005
03/06/00	1400	U414000306	RTS-4	N	Ethylbenzene	<0.008
03/06/00	1400	U414000306	RTS-4	N	m,p-Xylene	<0.04
03/06/00	1400	U414000306	RTS-4	N	o-Xylene	<0.02
03/06/00	1430	D214300306	RTS-2	NW	Benzene	<0.006
03/06/00	1430	D214300306	RTS-2	NW	Toluene	<0.005
03/06/00	1430	D214300306	RTS-2	NW	Ethylbenzene	<0.008
03/06/00	1430	D214300306	RTS-2	NW	m,p-Xylene	<0.04
03/06/00	1430	D214300306	RTS-2	NW	o-Xylene	<0.02
03/07/00	0730	U207300307	RTS-2	SSE	Benzene	<0.006
03/07/00	0730	U207300307	RTS-2	SSE	Toluene	<0.005
03/07/00	0730	U207300307	RTS-2	SSE	Ethylbenzene	<0.008
03/07/00	0730	U207300307	RTS-2	SSE	m,p-Xylene	<0.04
03/07/00	0730	U207300307	RTS-2	SSE	o-Xylene	<0.02
03/07/00	0800	D408000307	RTS-4	SSE	Benzene	<0.006
03/07/00	0800	D408000307	RTS-4	SSE	Toluene	<0.005
03/07/00	0800	D408000307	RTS-4	SSE	Ethylbenzene	<0.008
03/07/00	0800	D408000307	RTS-4	SSE	m,p-Xylene	<0.04
03/07/00	0800	D408000307	RTS-4	SSE	o-Xylene	<0.02
03/07/00	0930	U209300307	RTS-2	SSW	Benzene	<0.006
03/07/00	0930	U209300307	RTS-2	SSW	Toluene	<0.005
03/07/00	0930	U209300307	RTS-2	SSW	Ethylbenzene	<0.008
03/07/00	0930	U209300307	RTS-2	SSW	m,p-Xylene	<0.04
03/07/00	0930	U209300307	RTS-2	SSW	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
03/07/00	1000	D410000307	RTS-4	SSE	Benzene	<0.006
03/07/00	1000	D410000307	RTS-4	SSE	Toluene	<0.005
03/07/00	1000	D410000307	RTS-4	SSE	Ethylbenzene	<0.008
03/07/00	1000	D410000307	RTS-4	SSE	m,p-Xylene	<0.04
03/07/00	1000	D410000307	RTS-4	SSE	o-Xylene	<0.02
03/07/00	1130	U111300307	RTS-1	E	Benzene	<0.006
03/07/00	1130	U111300307	RTS-1	E	Toluene	<0.005
03/07/00	1130	U111300307	RTS-1	E	Ethylbenzene	<0.008
03/07/00	1130	U111300307	RTS-1	E	m,p-Xylene	<0.04
03/07/00	1130	U111300307	RTS-1	E	o-Xylene	<0.02
03/07/00	1200	D312000307	RTS-3	ENE	Benzene	0.013
03/07/00	1200	D312000307	RTS-3	ENE	Toluene	<0.005
03/07/00	1200	D312000307	RTS-3	ENE	Ethylbenzene	<0.008
03/07/00	1200	D312000307	RTS-3	ENE	m,p-Xylene	<0.04
03/07/00	1200	D312000307	RTS-3	ENE	o-Xylene	<0.02
03/07/00	1330	U313300307	RTS-3	NW	Benzene	<0.006
03/07/00	1330	U313300307	RTS-3	NW	Toluene	<0.005
03/07/00	1330	U313300307	RTS-3	NW	Ethylbenzene	<0.008
03/07/00	1330	U313300307	RTS-3	NW	m,p-Xylene	<0.04
03/07/00	1330	U313300307	RTS-3	NW	o-Xylene	<0.02
03/07/00	1400	D114000307	RTS-1	NW	Benzene	<0.006
03/07/00	1400	D114000307	RTS-1	NW	Toluene	<0.005
03/07/00	1400	D114000307	RTS-1	NW	Ethylbenzene	<0.008
03/07/00	1400	D114000307	RTS-1	NW	m,p-Xylene	<0.04
03/07/00	1400	D114000307	RTS-1	NW	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
03/08/00	0730	U107300308	RTS-1	E	Benzene	<0.006
03/08/00	0730	U107300308	RTS-1	E	Toluene	<0.005
03/08/00	0730	U107300308	RTS-1	E	Ethylbenzene	<0.008
03/08/00	0730	U107300308	RTS-1	E	m,p-Xylene	<0.04
03/08/00	0730	U107300308	RTS-1	E	o-Xylene	<0.02
03/08/00	0800	D308000308	RTS-3	E	Benzene	0.018
03/08/00	0800	D308000308	RTS-3	E	Toluene	0.017
03/08/00	0800	D308000308	RTS-3	E	Ethylbenzene	<0.008
03/08/00	0800	D308000308	RTS-3	E	m,p-Xylene	<0.04
03/08/00	0800	D308000308	RTS-3	E	o-Xylene	<0.02
03/08/00	0930	U109300308	RTS-1	ESE	Benzene	<0.006
03/08/00	0930	U109300308	RTS-1	ESE	Toluene	<0.005
03/08/00	0930	U109300308	RTS-1	ESE	Ethylbenzene	<0.008
03/08/00	0930	U109300308	RTS-1	ESE	m,p-Xylene	<0.04
03/08/00	0930	U109300308	RTS-1	ESE	o-Xylene	<0.02
03/08/00	1000	D310000308	RTS-3	E	Benzene	0.095
03/08/00	1000	D310000308	RTS-3	E	Toluene	0.095
03/08/00	1000	D310000308	RTS-3	E	Ethylbenzene	<0.008
03/08/00	1000	D310000308	RTS-3	E	m,p-Xylene	<0.04
03/08/00	1000	D310000308	RTS-3	E	o-Xylene	<0.02
03/08/00	1130	U411300308	RTS-4	N	Benzene	<0.006
03/08/00	1130	U411300308	RTS-4	N	Toluene	<0.005
03/08/00	1130	U411300308	RTS-4	N	Ethylbenzene	<0.008
03/08/00	1130	U411300308	RTS-4	N	m,p-Xylene	<0.04
03/08/00	1130	U411300308	RTS-4	N	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
03/08/00	1200	D212000308	RTS-2	N	Benzene	<0.006
03/08/00	1200	D212000308	RTS-2	N	Toluene	<0.005
03/08/00	1200	D212000308	RTS-2	N	Ethylbenzene	<0.008
03/08/00	1200	D212000308	RTS-2	N	m,p-Xylene	<0.04
03/08/00	1200	D212000308	RTS-2	N	o-Xylene	<0.02
03/08/00	1330	U413300308	RTS-4	NNW	Benzene	<0.006
03/08/00	1330	U413300308	RTS-4	NNW	Toluene	<0.005
03/08/00	1330	U413300308	RTS-4	NNW	Ethylbenzene	<0.008
03/08/00	1330	U413300308	RTS-4	NNW	m,p-Xylene	<0.04
03/08/00	1330	U413300308	RTS-4	NNW	o-Xylene	<0.02
03/08/00	1400	D214000308	RTS-2	NNW	Benzene	<0.006
03/08/00	1400	D214000308	RTS-2	NNW	Toluene	<0.005
03/08/00	1400	D214000308	RTS-2	NNW	Ethylbenzene	<0.008
03/08/00	1400	D214000308	RTS-2	NNW	m,p-Xylene	<0.04
03/08/00	1400	D214000308	RTS-2	NNW	o-Xylene	<0.02
03/09/00	0730	U207300309	RTS-2	SE	Benzene	<0.006
03/09/00	0730	U207300309	RTS-2	SE	Toluene	<0.005
03/09/00	0730	U207300309	RTS-2	SE	Ethylbenzene	<0.008
03/09/00	0730	U207300309	RTS-2	SE	m,p-Xylene	<0.04
03/09/00	0730	U207300309	RTS-2	SE	o-Xylene	<0.02
03/09/00	0800	D408000309	RTS-4	SE	Benzene	0.015
03/09/00	0800	D408000309	RTS-4	SE	Toluene	<0.005
03/09/00	0800	D408000309	RTS-4	SE	Ethylbenzene	<0.008
03/09/00	0800	D408000309	RTS-4	SE	m,p-Xylene	<0.04
03/09/00	0800	D408000309	RTS-4	SE	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
03/09/00	0930	U209300309	RTS-2	S	Benzene	<0.006
03/09/00	0930	U209300309	RTS-2	S	Toluene	<0.005
03/09/00	0930	U209300309	RTS-2	S	Ethylbenzene	<0.008
03/09/00	0930	U209300309	RTS-2	S	m,p-Xylene	<0.04
03/09/00	0930	U209300309	RTS-2	S	o-Xylene	<0.02
03/09/00	1000	D410000309	RTS-4	SE	Benzene	<0.006
03/09/00	1000	D410000309	RTS-4	SE	Toluene	<0.005
03/09/00	1000	D410000309	RTS-4	SE	Ethylbenzene	<0.008
03/09/00	1000	D410000309	RTS-4	SE	m,p-Xylene	<0.04
03/09/00	1000	D410000309	RTS-4	SE	o-Xylene	<0.02
03/09/00	1130	U211300309	RTS-2	S	Benzene	<0.006
03/09/00	1130	U211300309	RTS-2	S	Toluene	<0.005
03/09/00	1130	U211300309	RTS-2	S	Ethylbenzene	<0.008
03/09/00	1130	U211300309	RTS-2	S	m,p-Xylene	<0.04
03/09/00	1130	U211300309	RTS-2	S	o-Xylene	<0.02
03/09/00	1200	D412000309	RTS-4	SSW	Benzene	<0.006
03/09/00	1200	D412000309	RTS 4	SSW	Toluene	<0.005
03/09/00	1200	D412000309	RTS-4	SSW	Ethylbenzene	<0.008
03/09/00	1200	D412000309	RTS-4	SSW	m,p-Xylene	<0.04
03/09/00	1200	D412000309	RTS-4	SSW	o-Xylene	<0.02
03/09/00	1330	U213300309	RTS-2	SSW	Benzene	<0.006
03/09/00	1330	U213300309	RTS-2	SSW	Toluene	<0.005
03/09/00	1330	U213300309	RTS-2	SSW	Ethylbenzene	<0.008
03/09/00	1330	U213300309	RTS-2	SSW	m,p-Xylene	<0.04
03/09/00	1330	U213300309	RTS-2	SSW	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
03/09/00	1400	D414000309	RTS-4	SSW	Benzene	<0.006
03/09/00	1400	D414000309	RTS-4	SSW	Toluene	<0.005
03/09/00	1400	D414000309	RTS-4	SSW	Ethylbenzene	<0.008
03/09/00	1400	D414000309	RTS-4	SSW	m,p-Xylene	<0.04
03/09/00	1400	D414000309	RTS-4	SSW	o-Xylene	<0.02
03/10/00	0730	U407300310	RTS-4	NW	Benzene	<0.006
03/10/00	0730	U407300310	RTS-4	NW	Toluene	<0.005
03/10/00	0730	U407300310	RTS-4	NW	Ethylbenzene	<0.008
03/10/00	0730	U407300310	RTS-4	NW	m,p-Xylene	<0.04
03/10/00	0730	U407300310	RTS-4	NW	o-Xylene	<0.02
03/10/00	0800	D208000310	RTS-2	NW	Benzene	<0.006
03/10/00	0800	D208000310	RTS-2	NW	Toluene	<0.005
03/10/00	0800	D208000310	RTS-2	NW	Ethylbenzene	<0.008
03/10/00	0800	D208000310	RTS-2	NW	m,p-Xylene	<0.04
03/10/00	0800	D208000310	RTS-2	NW	o-Xylene	<0.02
03/10/00	0930	U409300310	RTS-4	NW	Benzene	<0.006
03/10/00	0930	U409300310	RTS-4	NW	Toluene	<0.005
03/10/00	0930	U409300310	RTS-4	NW	Ethylbenzene	<0.008
03/10/00	0930	U409300310	RTS-4	NW	m,p-Xylene	<0.04
03/10/00	0930	U409300310	RTS-4	NW	o-Xylene	<0.02
03/10/00	1000	D210000310	RTS-2	NNW	Benzene	<0.006
03/10/00	1000	D210000310	RTS-2	NNW	Toluene	<0.005
03/10/00	1000	D210000310	RTS-2	NNW	Ethylbenzene	<0.008
03/10/00	1000	D210000310	RTS-2	NNW	m,p-Xylene	<0.04
03/10/00	1000	D210000310	RTS-2	NNW	o-Xylene	<0.02

Ithaca Court St. MGP Speciated BTEX Air Monitoring Program

(Detection Limits: Benzene = 0.006; Toluene = 0.005; Ethylbenzene = 0.008; m,p-Xylene = 0.04; o-Xylene = 0.02)

Date	Time	Code	Location	Wind Direction	Compound	Concentration
03/10/00	1330	U413300310	RTS-4	NW	Benzene	<0.006
03/10/00	1330	U413300310	RTS-4	NW	Toluene	<0.005
03/10/00	1330	U413300310	RTS-4	NW	Ethylbenzene	<0.008
03/10/00	1330	U413300310	RTS-4	NW	m,p-Xylene	<0.04
03/10/00	1330	U413300310	RTS-4	NW	o-Xylene	<0.02
03/10/00	1400	D214000310	RTS-2	NW	Benzene	<0.006
03/10/00	1400	D214000310	RTS-2	NW	Toluene	<0.005
03/10/00	1400	D214000310	RTS-2	NW	Ethylbenzene	<0.008
03/10/00	1400	D214000310	RTS-2	NW	m,p-Xylene	<0.04
03/10/00	1400	D214000310	RTS-2	NW	o-Xylene	<0.02

Ithaca Court — Former MGP Site Interim Remedial Measure

Real-Time Air Monitoring Data
Date: Wednesday - Febuary 23,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1206	RTS1	0.0	0.00	Wind - SE,3mph Temp - 9.6c
1209	RTS2	0.0	0.00	Background Data
1212	RTS3	0.0	0.00	
1215	RTS4	0.0	0.00	
Work Area				Daily Calibration:
1218	RTS1	0.0	0.00	Minirae = 5.5
				Miniram = 0.27

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1340	RTS1	0.0	0.00	Wind - ESE,1mph Temp - 11.5c
1343	RTS2	0.0	0.00	Background Data
1346	RTS3	0.0	0.00	
1349	RTS4	0.0	0.00	
Work Area				
1351	RTS1	0.0	0.00	

Ithaca Court / Former MGP Site Interim Remedial Measure

Real-Time Air Monitoring Data
Date: Thursday - February 24,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0806	RTS1	0.0	0.00	Wind - SE,2m;h Temp - 4.1c
0809	RTS2	0.0	0.00	Partly sunny, removing the tops
0812	RTS3	0.0	0.00	of gain access to the tar structures,
0815	RTS4	0.0	0.00	no odors at the site perimeter.
Work Area 0818	RTS1	0.0	0.00	Daily Calibration: Minirae = 5.6 Miniram = 0.27

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0910	RTS1	0.0	0.00	Wind - S,2mph Temp - 5.2c
0913	RTS2	0.0	0.00	Cloudy, pumping liquids from the
0916	RTS3	0.0	0.00	tar structure, no odors at the site
0919	RTS4	0.0	0.00	perimeter.
Work Area 0922	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1005	RTS1	0.0	0.02	Wind - S,2mph Temp - 6.8c
1008	RTS2	0.0	0.00	Cloudy, pumping liquids from the
1011	RTS3	0.0	0.00	tar structure, light CTS odor at
1014	RTS4	0.0	0.00	RTS3.
Work Area 1017	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1107	RTS1	0.0	0.00	Wind - SW,4mph Temp - 10.3c
1110	RTS2	0.0	0.00	Partly sunny, pumping liquids from
1113	RTS3	0.0	0.00	the tar structure, no odors at the
1116	RTS4	0.0	0.00	site perimeter.
Work Area 1119	RTS1	0.0	0.00	

Cont....

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1210	RTS1	0.0	0.02	Wind - SSE,3mph Temp - 12.2c
1213	RTS2	0.0	0.00	Partly sunny, pumping liquids from
1216	RTS3	0.0	0.00	the tar structure, light CTS odor at
1219	RTS4	0.0	0.00	RTS3.
Work Area 1222	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1306	RTS1	0.0	0.02	Wind - SSE,1mph Temp - 13.2c
1309	RTS2	2.6	0.02	Partly sunny, pumping liquids from
1312	RTS3	0.0	0.00	the tar structure, moderate CTS
1315	RTS4	0.0	0.00	odor at RTS3, exhaust from vac truck at RTS3.
Work Area 1318	RTS1	0.2	0.02	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1408	RTS1	0.0	0.02	Wind - SE,1mph Temp - 13.3c
1411	RTS2	0.0	0.02	Cloudy, pumping liquids from the
1414	RTS3	0.0	0.00	tar structure, light CTS odor at
1417	RTS4	0.0	0.02	RTS4.
Work Area 1420	RTS1	0.0	0.02	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1502	RTS1	0.0	0.02	Wind - SE,4mph Temp - 13.2c
1505	RTS2	0.0	0.02	Cloudy, building the decon pad,
1508	RTS3	0.0	0.00	no odors at the site perimeter,
1511	RTS4	0.0	0.00	closing for the day.
Work Area 1514	RTS1	0.0	0.02	

Ithaca Court / Former MGP Site Interim Remedial Measure

Real-Time Air Monitoring Data
Date: Friday - February 25,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0727	RTS1	0.0	0.00	Wind - S,1mph Temp - 4.8c Cloudy, unloading a rolloff box, removing material from the top of structure 1 and loading into a truck for disposal at Seneca Meadows, no odors at the site perimeter. Daily Calibration: Minirae = 5.8 Miniram = 0.27
0730	RTS2	0.0	0.00	
0733	RTS3	0.0	0.00	
0736	RTS4	0.0	0.00	
Work Area 0739	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0842	RTS1	0.0	0.00	Wind - S,1mph Temp - 6.8c Cloudy, removing material from the top of structure 1 and loading into a truck for disposal at Seneca Meadows, light CTS odor at RTS 2 & 3, limited the depth of the excavation to minimize odor.
0845	RTS2	0.0	0.00	
0848	RTS3	0.4	0.00	
0851	RTS4	0.0	0.00	
Work Area 0854	RTS1	3.5	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0941	RTS1	0.0	0.00	Wind - SSE,2mph Temp - 7.7c Cloudy, removing material from the top of structure 1, light CTS odor at RTS-2.
0944	RTS2	0.0	0.00	
0947	RTS3	0.0	0.00	
0950	RTS4	0.0	0.00	
Work Area 0953	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1025	RTS1	0.0	0.00	Wind - SSE,3mph Temp - 8.7c Light rain, building the decon pad, no odors at the site perimeter.
1028	RTS2	0.0	0.00	
1031	RTS3	0.0	0.00	
1034	RTS4	0.0	0.00	
Work Area 1037	RTS1	0.0	0.00	

Cont....

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1123	RTS1	0.0	0.00	Wind - SSE,1mph Temp - 7.9c Rain, building the decon pad, no odors at the site perimeter.
1126	RTS2	0.0	0.00	
1129	RTS3	0.0	0.00	
1132	RTS4	0.0	0.00	
Work Area 1135	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1219	RTS1	0.0	0.00	Wind - SSE,1mph Temp - 7.8c Rain, loading a truck with material from the top of structures 1 &2 for disposal at Seneca Meadows, no odors at the site perimeter
1222	RTS2	0.0	0.00	
1225	RTS3	0.0	0.00	
1228	RTS4	0.0	0.00	
Work Area 1231	RTS1	0.5	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1310	RTS1	0.0	0.00	Wind - SSE,1mph Temp - 8.2c Rain, loading a truck with material from the top of structures 1 &2 for disposal at Seneca Meadows, no odors at the site perimeter
1313	RTS2	0.0	0.00	
1316	RTS3	0.0	0.00	
1319	RTS4	0.0	0.00	
Work Area 1322	RTS1	0.2	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1428	RTS1	0.0	0.00	Wind - SSE,3mph Temp - 9.0c Cloudy, building the decon pad, no odors at the site perimeter.
1431	RTS2	0.0	0.00	
1434	RTS3	0.0	0.00	
1437	RTS4	0.0	0.00	
Work Area 1440	RTS1	0.0	0.00	

Cont....

Ithaca Court St. Former MGP Site Interim Remedial Measure

Real-Time Air Monitoring Data
Date: Friday - February 25,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1538	RTS1	0.0	0.00	Wind - E,1mph Temp - 9.7c Partly sunny, removing material from the top of structure 2, no odors at the site perimeter.
1541	RTS2	0.0	0.00	
1544	RTS3	0.0	0.00	
1547	RTS4	0.0	0.00	
Work Area 1550	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1620	RTS1	0.0	0.00	Wind - ESE,3mph Temp - 10.6c Partly sunny, removing material from the top of structure 2, and loading a truck for disposal at Seneca Meadows, no odors at the site perimeter, closing for the day.
1623	RTS2	0.0	0.00	
1626	RTS3	0.0	0.00	
1629	RTS4	0.0	0.00	
Work Area 1632	RTS1	0.0	0.00	

...naca Court S ormer MGP Site Interim Remedial Measure

Real-Time Air Monitoring Data
Date: Monday - February 28,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0729	RTS1	0.0	0.00	Wind - W,2mph Temp - 3.7c
0732	RTS2	0.0	0.00	Cloudy, loading a truck with
0735	RTS3	0.0	0.00	material from the top of structure
0738	RTS4	0.0	0.00	2, no odors at the site perimeter
Work Area 0741	RTS1	0.0	0.00	Daily Calibration: Minirae = 5.6 Miniram = 0.27

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0834	RTS1	0.0	0.00	Wind - W,5mph Temp - 7.0c
0837	RTS2	0.0	0.00	Partly sunny, loading a truck with
0840	RTS3	0.0	0.00	material from the top of structure
0843	RTS4	0.0	0.00	2, light CTS odor at RTS 1 & 2.
Work Area 0846	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0925	RTS1	0.0	0.00	Wind - W,11mph Temp - 6.3c
0928	RTS2	0.0	0.00	Partly sunny, loading a truck with
0931	RTS3	0.0	0.00	material from the top of structure
0934	RTS4	0.0	0.00	2, light CTS odor at RTS 1.
Work Area 0931	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1032	RTS1	0.0	0.00	Wind - W,2mph Temp - 5.9c
1035	RTS2	0.0	0.00	Partly sunny, installing fence to
1038	RTS3	0.0	0.00	delineate the work zones, no odors
1041	RTS4	0.0	0.00	at the site perimeter.
Work Area 1044	RTS1	0.0	0.00	

Cont....

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1132	RTS1	0.0	0.00	Wind - WNW,7mph Temp - 5.3c
1135	RTS2	0.0	0.00	Cloudy, installing fence to
1138	RTS3	0.0	0.00	delineate the work zones,
1141	RTS4	0.0	0.00	no odors at the site perimeter.
Work Area 1144	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1233	RTS1	0.0	0.00	Wind - WNW,3mph Temp - 4.9c
1236	RTS2	0.0	0.00	Cloudy, installing fence to
1239	RTS3	0.0	0.00	delineate the work zones,
1242	RTS4	0.0	0.00	no odors at the site perimeter.
Work Area 1245	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1331	RTS1	0.0	0.00	Wind - W,11mph Temp - 3.3c
1334	RTS2	0.0	0.00	Flurries, Installing fence to
1337	RTS3	0.0	0.00	delineate the work zones,
1340	RTS4	0.0	0.00	no odors at the site perimeter.
Work Area 1343	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1443	RTS1	0.0	0.00	Wind - W,10mph Temp - 4.1c
1446	RTS2	0.0	0.00	Cloudy, removing the remainder
1449	RTS3	0.0	0.00	of the soil from the tops of the
1452	RTS4	0.0	0.00	structures with hand shovels, no odors at the site perimeter, closing for the day.
Work Area 1455	RTS1	0.0	0.00	

Ithac ... Site Interim Remedial Measure

... Air Monitoring Data

Date: Tuesday - February 29,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0741	RTS1	0.0	0.00	Wind - WNW,2mph Temp - 0.3c
0744	RTS2	0.0	0.00	Cloudy, preparing to remove the
0747	RTS3	0.0	0.00	lid on structure 2, no odors at the
0750	RTS4	0.0	0.00	site perimeter.
Work Area				
0753	RTS1	0.0	0.00	Daily Calibration: Minirae = 5.8 Miniram = 0.26

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0840	RTS1	0.0	0.00	Wind - WNW,2mph Temp - 0.7c
0843	RTS2	0.0	0.00	Cloudy, drilling a hole in the top
0846	RTS3	0.0	0.00	of structure 2 to facilitate removal,
0849	RTS4	0.0	0.00	no odors at the site perimeter.
Work Area				
0852	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0928	RTS1	0.0	0.00	Wind - WNW,5mph Temp - 1.2c
0931	RTS2	0.0	0.00	Cloudy, drilling a hole in the top
0934	RTS3	0.0	0.00	of structure 2 to facilitate removal,
0937	RTS4	0.0	0.00	no odors at the site perimeter.
Work Area				
0940	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1033	RTS1	0.0	0.00	Wind - WNW,4mph Temp - 2.7c
1036	RTS2	0.0	0.00	Partly sunny, cutting the top
1039	RTS3	0.0	0.00	of structure 1 to facilitate removal,
1042	RTS4	0.0	0.00	light CTS odor at RTS2.
Work Area				
1045	RTS1	0.0	0.00	

Cont....

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1129	RTS1	0.0	0.00	Wind - N,4mph Temp - 4.4c
1132	RTS2	0.0	0.02	Partly sunny, cutting the top
1135	RTS3	0.0	0.02	of structure 1 to facilitate removal,
1138	RTS4	0.0	0.02	light CTS odor at RTS2.
Work Area				
1141	RTS1	0.0	0.02	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1241	RTS1	0.0	0.00	Wind - NNW,3mph Temp - 5.0c
1238	RTS2	1.6	0.02	Sunny, removing the lid of vessel
1244	RTS3	0.0	0.00	2 with a wrecker, moderate odor
1247	RTS4	0.0	0.02	at RTS 2, continuous monitoring performed at RTS 2 from 1200> 1238, reading spiked at 2.6, but read around 1.6 for about 5 min.
Work Area				then went down to 0.2.
1235	RTS1	0.4	0.02	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1337	RTS1	0.0	0.00	Wind - N,5mph Temp - 5.7c
1340	RTS2	0.0	0.02	Sunny, removing the lid of vessel
1343	RTS3	0.0	0.02	2 with a wrecker, light CTS odor
1346	RTS4	0.0	0.02	at RTS2.
Work Area				
1349	RTS1	0.0	0.04	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1425	RTS1	0.0	0.00	Wind - N,2mph Temp - 6.4c
1428	RTS2	0.0	0.02	Sunny, removing the lid of vessel
1431	RTS3	0.0	0.06	2 with a wrecker, light CTS odor
1434	RTS4	0.0	0.02	at RTS2, continuous monitoring at RTS 2 from 1400 > 1419, highest reading 1.7, moderate odor.
Work Area				
1437	RTS1	0.0	0.04	

Cont....

Ithaca Court St. Former MGP Site Interim Remedial Measure

Real-Time Air Monitoring Data
Date: Tuesday - February 29,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1528	RTS1	0.0	0.00	Wind - NNW,4mph Temp - 6.6c
1531	RTS2	0.0	0.00	Sunny, finished removing the lid
1534	RTS3	0.0	0.00	on structure 2, tarping the opening.
1537	RTS4	0.0	0.00	light CTS odor at RTS2, closing for the day.
Work Area				
1540	RTS1	0.0	0.00	

Ithaca Court S ormer MGP Site Interim Remedial Measure

Real-Time Air Monitoring Data
Date: Wednesday - March 1,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0731	RTS1	0.0	0.01	Wind - S,3mph Temp - 4.1c
0734	RTS2	0.0	0.01	Partly sunny, sawcutting the top
0737	RTS3	0.0	0.00	of structure 2, light CTS odor at
0740	RTS4	0.0	0.00	RTS 1.
Work Area				Daily Calibration:
0743	RTS1	0.0	0.00	Minirae = 5.5
				Miniram = 0.28

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0833	RTS1	0.0	0.01	Wind - SSE,3 .1ph Temp - 8.0c
0836	RTS2	0.0	0.01	Partly sunny, vac truck removing
0839	RTS3	0.0	0.00	material from structure 2, light CTS
0842	RTS4	0.0	0.00	odor at RTS 2, monitored from
				0850 > 0910 continuously, highest
Work Area				reading 1.2 remainder of the time
0845	RTS1	0.0	0.01	reading at 0.0.

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0921	RTS1	0.0	0.00	Wind - SSE,4mph Temp - 8.4c
0924	RTS2	0.0	0.00	Partly sunny, vac truck removing
0927	RTS3	0.4	0.00	material from structure 2, light CTS
0930	RTS4	0.8	0.00	odor at RTS 1 & 3, moderate odor
				at RTS 4.
Work Area				
0933	RTS1	0.8	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1032	RTS1	0.0	0.00	Wind - SSE,3mph Temp - 10.7c
1035	RTS2	0.0	0.00	Cloudy, powerwashing the
1038	RTS3	0.0	0.00	concrete top of structure 2, no
1041	RTS4	0.0	0.00	odors at the site perimeter.
Work Area				
1044	RTS1	0.4	0.00	

Cont....

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1124	RTS1	0.0	0.00	Wind - SSE,6mph Temp - 10.6c
1127	RTS2	0.0	0.00	Cloudy, powerwashing the
1130	RTS3	0.2	0.00	concrete top of structure 2, light
1133	RTS4	0.0	0.00	CTS odor at RTS 2 & 3.
Work Area				
1136	RTS1	0.4	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1236	RTS1	0.0	0.00	Wind - S,2mph Temp - 10.5c
1239	RTS2	0.0	0.00	Cloudy, sawcutting the top of
1242	RTS3	0.0	0.00	structure 1, light CTS odor at RTS
1245	RTS4	0.0	0.00	1,2 & 4.
Work Area				
1248	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1330	RTS1	0.0	0.00	Wind - S,4mph Temp - 11.1c
1333	RTS2	0.0	0.00	Cloudy, breaking up the concrete
1336	RTS3	0.0	0.00	from the top of structure 2, light
1339	RTS4	0.0	0.00	odor at every station (1-4).
Work Area				
1342	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1431	RTS1	0.1	0.00	Wind - S,3mph Temp - 10.8c
1434	RTS2	0.0	0.00	Light rain, removing the top of
1437	RTS3	1.8	0.00	structure 1, vac truck at structure
1440	RTS4	2.4	0.00	2, moderate odor at every station.
Work Area				
1443	RTS1	2.4	0.00	

Cont....

Ithaca Court St. Former MGP Site Interim Remedial Measure

Real-Time Air Monitoring Data

Date: Wednesday - March 1,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
	RTS1	0.0	0.00	
	RTS2	0.0	0.00	
	RTS3	0.8	0.00	
	RTS4	0.2	0.00	

While removing the top of structure 1, a portion of the lid fell into the tar causing a instantaneous reading of 46.3 on the PID. Work was halted and the structure was sprayed with an odor suppressant and covered with poly. After a ten minute break acceptable results were established (shown above) and work resumed.

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1534	RTS1	0.0	0.00	Wind - S,8mph Temp - 10.1c
1537	RTS2	0.0	0.00	Light rain, vac truck working at
1540	RTS3	0.4	0.00	structure 2, moderate odor at RTS
1543	RTS4	0.2	0.00	2,3 & 4.
Work Area				Continuous monitoring performed
1546	RTS1	0.8	0.00	from 1500>1530 no readings above 2.6.

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1629	RTS1	0.0	0.00	Wind - SSE,3mph Temp - 8.6c
1632	RTS2	2.0	0.00	Cloudy, vac truck working at
1635	RTS3	1.3	0.00	structure 2, moderate odor at RTS
1638	RTS4	1.7	0.00	2,3 & 4.
Work Area				
1641	RTS1	2.6	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1709	RTS1	0.9	0.00	Wind - S,3mph Temp - 4.7c
1712	RTS2	2.2	0.00	Cloudy, vac truck finished working at
1715	RTS3	1.8	0.00	structure 2, moderate odor at RTS
1718	RTS4	1.8	0.00	2,3 & 4, tarping remainder of the site, closing for the day.
Work Area				
1721	RTS1	2.4	0.00	

Ithaca Court - Former MGP Site Interim Remedial Measure

Real-Time Air Monitoring Data
Date: Thursday - March 2,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0735	RTS1	0.0	0.00	Wind - WNW,2mph Temp - 3.2c
0738	RTS2	0.6	0.00	Light snow, removing debris from
0741	RTS3	0.0	0.00	structure 2, vac truck working at
0744	RTS4	0.0	0.00	structure 1, light odor at RTS 3, moderate odor at RTS 2.
Work Area 0747	RTS1	0.8	0.00	Daily Calibration: Minirae = 5.7 Miniram = 0.21

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0835	RTS1	0.7	0.00	Wind - WSW,7mph Temp - 3.2c
0838	RTS2	0.0	0.00	Cloudy, removing debris from
0841	RTS3	2.1	0.00	structure 2, vac truck working at
0844	RTS4	0.0	0.00	structure 1, Moderate CTS odor RTS 1 & 3.
Work Area 0847	RTS1	2.4	0.00	Continuous monitoring performed from 0850>0915 highest readings: RTS1- 1.3, RTS2- 0.9, RTS3- 1.7.

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0940	RTS1	1.3	0.00	Wind - W,3mph Temp - 2.4c
0943	RTS2	1.1	0.00	Cloudy, blending the contents in
0946	RTS3	0.9	0.00	structure 2, vac truck working at
0949	RTS4	0.0	0.00	structure 1, Moderate CTS odor RTS 1,2 & 3.
Work Area 0952	RTS1	2.1	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1028	RTS1	1.5	0.00	Wind - WNW,4mph Temp - 2.1c
1031	RTS2	1.3	0.00	Cloudy, blending the contents in
1034	RTS3	1.4	0.00	structure 2, vac truck working at
1037	RTS4	0.0	0.00	structure 1, Moderate CTS odor RTS 1,2 & 3.
Work Area 1040	RTS1	2.3	0.00	

Cont....

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1133	RTS1	1.1	0.00	Wind - WNW,18mph Temp - 1.4c
1136	RTS2	1.2	0.00	Snow, dumping kiln dust into
1139	RTS3	0.8	0.00	structure 1, moderate odor at RTS
1142	RTS4	0.0	0.00	1,2 & 3.
Work Area 1145	RTS1	2.2	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1235	RTS1	0.3	0.00	Wind - WNW,4mph Temp - 0.8c
1238	RTS2	0.9	0.10	Snow, dumping kiln dust and
1241	RTS3	0.2	0.00	blending with the tar in structure 1,
1244	RTS4	0.0	0.00	moderate odor at RTS 1,2 & 3.
Work Area 1247	RTS1	1.8	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1337	RTS1	0.0	0.00	Wind - WNW,5mph Temp - 0.7c
1340	RTS2	0.0	0.00	Snow, loading a truck with material
1343	RTS3	0.0	0.00	from structure 1 for disposal at
1346	RTS4	0.0	0.00	Casle Mart, light CTS odor at RTS 1,2 & 3.
Work Area 1349	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1429	RTS1	0.2	0.00	Wind - W,5mph Temp - 1.0c
1432	RTS2	0.0	0.00	Snow, loading a truck with material
1435	RTS3	0.0	0.00	from structure 1 for disposal at
1438	RTS4	0.0	0.00	Casle Mart, light CTS odor at RTS 1,2 & 3.
Work Area 1441	RTS1	0.5	0.00	

Cont....

Ithaca Court St. Former MGP Site Interim Remedial Measure

Real-Time Air Monitoring Data

Date: Thursday - March 2,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1531	RTS1	0.0	0.00	Wind - WNW,14mph Temp - 0.7c
1534	RTS2	0.0	0.00	Snow, backfilling structure 1,
1537	RTS3	0.0	0.00	hammering down concrete to size,
1540	RTS4	0.0	0.00	light CTS odor at RTS 1 & 2.
Work Area				
1543	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1634	RTS1	0.0	0.00	Wind - W,4mph Temp - 0.1c
1637	RTS2	0.0	0.00	Snow, backfilling structure 1,
1640	RTS3	0.0	0.00	hammering down concrete to size,
1643	RTS4	0.0	0.00	light CTS odor at RTS 1 & 2, tarping structure 2, closing for the day.
Work Area				
1646	RTS1	0.0	0.00	

Ithaca Court Former MGP Site Interim Remedial Measure

Real-Time Air Monitoring Data
Date: Friday - March 3,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0737	RTS1	0.0	0.00	Wind - WNW,10mph Temp - -1.4c
0740	RTS2	0.0	0.00	Cloudy, breaking up concrete to
0743	RTS3	0.0	0.00	size, light CTS odor at RTS 1,2
0746	RTS4	0.0	0.00	& 3.
Work Area				
0749	RTS1	0.0	0.00	Daily Calibration: Minirae = 5.9 Miniram = 0.27

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0830	RTS1	0.0	0.00	Wind - WNW,11mph Temp - -1.3c
0833	RTS2	0.0	0.00	Partly sunny, breaking up concrete
0836	RTS3	0.0	0.00	to size, light CTS odor at RTS 1,2
0839	RTS4	0.0	0.00	& 3.
Work Area				
0842	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0939	RTS1	0.0	0.00	Wind - NW,3mph Temp - 0.9c
0942	RTS2	0.0	0.00	Partly sunny, loading a truck with
0945	RTS3	0.0	0.00	material from structure 2 for
0948	RTS4	0.0	0.00	disposal at Horizon Env.,light CTS odor at RTS 1,2 & 3.
Work Area				
0951	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1022	RTS1	0.2	0.00	Wind - NW,3mph Temp - 2.2c
1025	RTS2	2.7	0.00	Sunny, loading a truck with
1028	RTS3	0.0	0.00	material from structure 2 for
1031	RTS4	0.0	0.00	disposal at Horizon Env.,light CTS odor at RTS 1,2 & 3.
Work Area				
1034	RTS1	3.6	0.00	Continuous monitoring RTS2 from 1045>1100, highest instantaneous reading 3.8.

Cont....

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1145	RTS1	0.1	0.00	Wind - NW,7mph Temp - 3.5c
1142	RTS2	3.3	0.02	Sunny, loading a truck with
1139	RTS3	0.0	0.00	material from structure 2 for
1136	RTS4	0.0	0.00	disposal at Horizon Env.,light CTS odor at RTS 1 & 3, moderate CTS odor at RTS 2.
Work Area				Continuous monitoring RTS2 from
1133	RTS1	4.0	0.00	1155>1220, highest instantaneous reading 3.6

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1243	RTS1	0.1	0.00	Wind - NW,6mph Temp - 4.3c
1240	RTS2	2.7	0.00	Sunny, loading a truck with
1237	RTS3	0.0	0.00	material from structure 2 for
1234	RTS4	0.0	0.00	disposal at Horizon Env.,light CTS odor at RTS 1 & 3, moderate CTS odor at RTS 2.
Work Area				Continuous monitoring RTS2 from
1231	RTS1	3.3	0.00	1245>1300, highest instantaneous reading 2.2.

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1345	RTS1	0.0	0.00	Wind - NW,14mph Temp - 4.2c
1348	RTS2	0.0	0.00	Sunny, backfill structure 2, light
1351	RTS3	0.0	0.00	CTS odor at RTS 1,2 & 3.
1354	RTS4	0.0	0.00	
Work Area				
1357	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1438	RTS1	0.0	0.00	Wind - NW,5mph Temp - 5.1c
1435	RTS2	0.0	0.00	Sunny, backfill structure 2, light
1432	RTS3	0.0	0.00	CTS odor at RTS 1 & 2, no further
1429	RTS4	0.0	0.00	intrusive work, closing for the day.
Work Area				
1426	RTS1	0.0	0.00	

Ithaca Court Former MGP Site Interim Remedial Measure

Real-Time Air Monitoring Data
Date: Monday - March 6,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0812	RTS1	0.0	0.00	Wind - NW,4mph Temp - 3.7c
0815	RTS2	0.0	0.00	Sunny, chasing pipes around
0818	RTS3	0.0	0.00	structure 2, light CTS odor at RTS
0821	RTS4	0.0	0.00	2 & 3.
Work Area				
0824	RTS1	0.0	0.00	Daily Calibration: Minirae = 5.7 Miniram = 0.28

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0907	RTS1	0.0	0.00	Wind - NW,2mph Temp - 4.8c
0910	RTS2	0.0	0.00	Sunny, chasing pipes around
0913	RTS3	0.0	0.00	structure 2, light CTS odor at RTS
0916	RTS4	0.0	0.00	2 & 3.
Work Area				
0919	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1006	RTS1	0.0	0.00	Wind - N,3mph Temp - 6.3c
1009	RTS2	0.0	0.00	Sunny, chasing pipes around
1012	RTS3	0.0	0.00	structure 2, light CTS odor at RTS
1015	RTS4	0.0	0.00	2 & 3.
Work Area				
1018	RTS1	0.2	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1103	RTS1	0.0	0.00	Wind - N,3mph Temp - 6.6c
1106	RTS2	0.0	0.00	Sunny, chasing pipes around
1109	RTS3	0.0	0.00	structure 2, light CTS odor at RTS
1112	RTS4	0.0	0.00	1,2 & 3.
Work Area				
1115	RTS1	0.0	0.00	

Cont....

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1228	RTS1	0.0	0.00	Wind - NW,3mph Temp - 8.2c
1231	RTS2	0.0	0.01	Sunny, chasing pipes around
1234	RTS3	0.0	0.00	structure 2, light CTS odor at RTS
1237	RTS4	0.0	0.00	1,2 & 3.
Work Area				
1240	RTS1	0.0	0.03	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1321	RTS1	0.0	0.00	Wind - NW,2mph Temp - 8.3c
1324	RTS2	0.0	0.02	Sunny, chasing pipes around
1327	RTS3	0.0	0.00	structure 2, light CTS odor at RTS
1330	RTS4	0.0	0.00	1,2 & 3.
Work Area				
1333	RTS1	0.0	0.05	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1413	RTS1	0.0	0.00	Wind - N,3mph Temp - 8.4c
1416	RTS2	0.0	0.01	Sunny, chasing pipes between
1419	RTS3	0.0	0.00	structures 1 & 2, light CTS odor at
1422	RTS4	0.0	0.00	RTS 1,2 & 3.
Work Area				
1425	RTS1	0.0	0.02	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1505	RTS1	0.0	0.00	Wind - NW,4mph Temp - 8.8c
1508	RTS2	0.0	0.02	Sunny, chasing pipes between
1511	RTS3	0.0	0.00	structures 1 & 2, light CTS odor at
1514	RTS4	0.0	0.00	RTS 1,2 & 3, closing for the day.
Work Area				
1517	RTS1	0.0	0.00	

Ithaca Court :ormer MGP Site Interim Remedial Measure

Real-Time Air Monitoring Data
Date: Tuesday - March 7,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0730	RTS1	0.0	0.00	Wind - SSE,4mph Temp - 1.6c
0733	RTS2	0.0	0.00	Sunny, chasing pipes between the
0736	RTS3	0.0	0.00	structures and loading a truck with
0739	RTS4	0.0	0.00	the material for disposal at Seneca Meadows, light CTS odor at RTS 1 & 3.
Work Area				Daily Calibration:
0742	RTS1	0.0	0.00	Minirae = 5.7
				Miniram = 0.28

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0827	RTS1	0.0	0.00	Wind - SSE,2mph Temp - 5.1c
0830	RTS2	0.0	0.00	Sunny, chasing pipes between the
0833	RTS3	0.0	0.00	structures and loading a truck with
0836	RTS4	0.0	0.00	the material for disposal at Seneca Meadows, light CTS odor at RTS 3 & 4.
Work Area				
0839	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0932	RTS1	0.0	0.00	Wind - SSW,3mph Temp - 10.3c
0935	RTS2	0.0	0.00	Sunny, chasing pipes between the
0938	RTS3	0.0	0.00	structures and loading a truck with
0941	RTS4	0.0	0.02	the material for disposal at Seneca Meadows, light CTS odor at RTS 3 & 4.
Work Area				
0944	RTS1	0.0	0.04	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1025	RTS1	0.0	0.00	Wind - SSE,5mph Temp - 14.3c
1028	RTS2	0.0	0.00	Sunny, chasing pipes between the
1031	RTS3	0.0	0.00	structures and loading a truck with
1034	RTS4	0.0	0.03	the material for disposal at Horizon Environmental, light CTS odor at RTS 3 & 4.
Work Area				
1037	RTS1	3.6	0.06	

Cont....

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1127	RTS1	0.0	0.00	Wind - E,4mph Temp - 16.6c
1130	RTS2	0.0	0.00	Sunny, chasing pipes between the
1133	RTS3	2.7	0.00	structures and loading a truck with
1136	RTS4	0.0	0.00	the material for disposal at Horizon Environmental, strong CTS odor at RTS 3.
Work Area				
1139	RTS1	4.3	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1224	RTS1	0.0	0.00	Wind - ENE,5mph Temp - 18.7c
1227	RTS2	0.0	0.00	Sunny, chasing pipes between the
1230	RTS3	0.2	0.00	structures and loading a truck with
1233	RTS4	0.0	0.00	the material for disposal at Horizon Environmental, moderate CTS odor at RTS 3.
Work Area				
1236	RTS1	1.7	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1332	RTS1	0.0	0.00	Wind - NW,2mph Temp - 19.4c
1335	RTS2	0.0	0.00	Cloudy, chasing pipes around
1338	RTS3	0.0	0.02	structure 1 and loading a truck
1341	RTS4	0.0	0.02	with the material for disposal at Horizon Environmental, light CTS odor at RTS 1.
Work Area				
1344	RTS1	0.0	0.02	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1436	RTS1	0.0	0.02	Wind - NW,1mph Temp - 17.2c
1439	RTS2	0.0	0.00	Cloudy, digging a trench between
1442	RTS3	0.0	0.02	structure 2 and the sidewalk in
1445	RTS4	0.0	0.00	search of any piping, light CTS odor at RTS 1,2 & 3, no further intrusive work, closing for the day.
Work Area				
1448	RTS1	0.0	0.02	

Ithaca Court : 'ormer MGP Site Interim Remedial Measure

Real-Time Air Monitoring Data
Date: Wednesday - March 8,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0727	RTS1	0.0	0.00	Wind - E,1mph Temp - 9.3c
0730	RTS2	0.0	0.00	Sunny, loading a truck with
0733	RTS3	0.0	0.00	material from between the two
0736	RTS4	0.0	0.00	structures for disposal at Horizon Environmental, light CTS odor at RTS 3.
Work Area				Daily Calibration:
0739	RTS1	0.3	0.00	Minirae = 5.7
				Miniram = 0.21

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0830	RTS1	0.0	0.00	Wind - E,3mph Temp - 10.8c
0833	RTS2	0.0	0.00	Sunny, loading a truck with
0836	RTS3	0.2	0.00	material from between the two
0839	RTS4	0.0	0.00	structures for disposal at Horizon Environmental, light CTS odor at RTS 3 & 4.
Work Area				
0842	RTS1	3.6	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0931	RTS1	0.0	0.00	Wind - ESE,2mph Temp - 14.6c
0934	RTS2	0.0	0.00	Sunny, loading a truck with
0937	RTS3	1.6	0.00	material from between the two
0940	RTS4	0.5	0.00	structures for disposal at Horizon Environmental, moderate CTS odor at RTS 3 & 4.
Work Area				
0943	RTS1	4.3	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1024	RTS1	0.0	0.00	Wind - E,3mph Temp - 18.4c
1027	RTS2	0.0	0.00	Sunny, loading a truck with
1030	RTS3	0.0	0.00	material from between the two
1033	RTS4	0.0	0.00	structures for disposal at Horizon Environmental, light CTS odor at RTS 2 & 3.
Work Area				
1036	RTS1	0.3	0.00	

Cont....

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1126	RTS1	0.0	0.00	Wind - N,3mph Temp - 19.2c
1129	RTS2	0.0	0.00	Sunny, stockpiling material for
1132	RTS3	0.0	0.00	transport tomorrow, light CTS
1135	RTS4	0.0	0.00	odor at RTS 2 & 3.
Work Area				
1138	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1246	RTS1	0.0	0.00	Wind - N,2mph Temp - 21.3c
1249	RTS2	0.0	0.00	Sunny, backfilling excavation,
1252	RTS3	0.0	0.00	light CTS odor at RTS 1,2 & 3.
1255	RTS4	0.0	0.00	
Work Area				
1258	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1326	RTS1	0.0	0.00	Wind - NNW,1mph Temp - 21.0c
1329	RTS2	0.0	0.00	Cloudy, backfilling excavation,
1332	RTS3	0.0	0.00	light CTS odor at RTS 2 & 3.
1335	RTS4	0.0	0.00	
Work Area				
1338	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1429	RTS1	0.0	0.02	Wind - NNW,mph Temp - 22.3c
1432	RTS2	0.0	0.00	Cloudy, backfilling excavation,
1435	RTS3	0.0	0.02	decontaminating the track hoe,
1438	RTS4	0.0	0.02	light CTS odor at RTS 2 & 3, closing for the day.
Work Area				
1441	RTS1	0.0	0.04	

Ithaca Court ; :ormer MGP Site Interim Remedial Measure

Real-Time Air Monitoring Data

Date: Thursday - March 9,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0730	RTS1	0.0	0.00	Wind - SE,2mph Temp - 12.8c
0733	RTS2	0.0	0.00	Cloudy, loading a truck with
0736	RTS3	0.0	0.02	material for disposal at Horizon
0739	RTS4	0.0	0.00	Environmental, sawcutting the pavement, no odors at the site perimeter.
Work Area				Daily Calibration:
0742	RTS1	0.0	0.06	Minirae = 5.7 Miniram = 0.28

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0823	RTS1	0.0	0.00	Wind - SE,1mph Temp - 14.0c
0827	RTS2	0.0	0.00	Cloudy, loading a truck with
0830	RTS3	0.0	0.00	material for disposal at Horizon
0833	RTS4	0.0	0.00	Environmental, sawcutting the pavement, light CTS odor at RTS 1 & 4.
Work Area				
0836	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0932	RTS1	0.0	0.00	Wind - S,6mph Temp - 17.3c
0935	RTS2	0.0	0.00	Cloudy, loading a truck with
0938	RTS3	0.0	0.00	material for disposal at Horizon
0941	RTS4	0.0	0.00	Environmental, sawcutting the pavement, light CTS odor at RTS 4.
Work Area				
0944	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1027	RTS1	0.0	0.00	Wind - SE,4mph Temp - 20.2c
1030	RTS2	0.0	0.01	Cloudy, sawcutting the pavement
1033	RTS3	0.0	0.01	and loading a truck for disposal at
1036	RTS4	0.0	0.01	Seneca Meadows, light CTS odor at RTS 1.
Work Area				
1039	RTS1	0.0	0.08	

Cont....

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1128	RTS1	0.0	0.05	Wind - S,3mph Temp - 22.5c
1131	RTS2	0.0	0.01	Cloudy, sawcutting the pavement
1134	RTS3	0.0	0.01	and loading a truck for disposal at
1137	RTS4	0.0	0.01	Seneca Meadows, no odors at the site perimeter.
Work Area				
1140	RTS1	0.0	0.09	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1243	RTS1	0.0	0.00	Wind - SSW,3mph Temp - 24.2c
1246	RTS2	0.0	0.05	Sunny, sawcutting the pavement,
1249	RTS3	0.0	0.02	no odors at the site perimeter.
1252	RTS4	0.0	0.03	
Work Area				
1255	RTS1	0.0	0.08	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1327	RTS1	0.0	0.07	Wind - SSW,6mph Temp - 24.2c
1330	RTS2	0.0	0.03	Sunny, grading backfill, no odors
1333	RTS3	0.0	0.00	at the site perimeter.
1336	RTS4	0.0	0.00	
Work Area				
1339	RTS1	0.0	0.06	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1429	RTS1	0.0	0.00	Wind - SSW,1mph Temp - 24.2c
1432	RTS2	0.0	0.00	Sunny, sawcutting pavement and
1435	RTS3	0.0	0.01	stockpiling material for transport
1438	RTS4	0.0	0.01	tomorrow, no odors at the site perimeter, closing for the day.
Work Area				
1441	RTS1	0.0	0.04	

Ithaca Court . Former MGP Site Interim Remedial Measure

Real-Time Air Monitoring Data
Date: Friday - March 10,2000

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0728	RTS1	0.0	0.00	Wind - NW,4mph Temp - -0.9c
0731	RTS2	0.0	0.00	Cloudy, removing the rolloff box,
0734	RTS3	0.0	0.00	pumping water from the poly tanks
0737	RTS4	0.0	0.00	to a vac truck, no odors at the site perimeter.
Work Area				Daily Calibration:
0740	RTS1	0.0	0.00	Minirae = 5.6
				Miniram = 0.28

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0822	RTS1	0.0	0.00	Wind - NW,9mph Temp - -0.3c
0825	RTS2	0.0	0.00	Cloudy, removing the rolloff box,
0828	RTS3	0.0	0.00	pumping water from the poly tanks
0831	RTS4	0.0	0.01	to a vac truck, no odors at the site perimeter.
Work Area				
0834	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
0923	RTS1	0.0	0.00	Wind - NW,3mph Temp - -0.4c
0926	RTS2	0.0	0.00	Cloudy, backfill area, no odors at
0929	RTS3	0.0	0.00	the site perimeter.
0932	RTS4	0.0	0.00	
Work Area				
0935	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1031	RTS1	0.0	0.00	Wind - NNW,1mph Temp - -0.2c
1034	RTS2	0.0	0.00	Cloudy, loading a truck with the
1037	RTS3	0.0	0.00	remainder of the pavement.
1040	RTS4	0.0	0.01	
Work Area				
1043	RTS1	0.0	0.00	

Cont....

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
	RTS1	0.0	0.00	No site activity 1100>1330
	RTS2	0.0	0.00	
	RTS3	0.0	0.00	
	RTS4	0.0	0.00	
Work Area				
	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1328	RTS1	0.0	0.00	Wind - NW,3mph Temp - -0.1c
1331	RTS2	0.0	0.00	Cloudy, loading pavement for
1334	RTS3	0.0	0.00	disposal at Seneca Meadows,
1337	RTS4	0.0	0.00	no odors at the site perimeter.
Work Area				
1340	RTS1	0.0	0.00	

Time	Location	P.I.D. (ppm)	Airborne Particulates (mg/m3)	Comments/Activity
1426	RTS1	0.0	0.00	Wind - NW,5mph Temp - -0.3c
1429	RTS2	0.0	0.00	Cloudy, loading the last of the
1432	RTS3	0.0	0.00	pavement for disposal at Seneca
1435	RTS4	0.0	0.00	Meadows, no odors at the site perimeter, finished with intrusive work for this IRM.
Work Area				
1438	RTS1	0.0	0.00	

Performance Analytical Inc.
Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
An Employee Owned Company

LABORATORY REPORT

Client:	New York State Electric & Gas Corporation	Date of Report:	03/22/00
Address:	Corporate Drive Kirkwood Industrial Park P.O. Box 5224 Binghamton, NY 13902-5224	Date Received:	03/03/00
		PAI Project No:	P2000481
Contact:	Mr. John Ruspantini	Purchase Order:	B398899
Client Project ID:	Ithaca Court St. MGP	New York ELAP ID:	11221

One (1) Tedlar Bag Sample labeled: "D108000302"

The sample was received at the laboratory under chain of custody on March 3, 2000. The sample was received intact. The dates of analysis are indicated on the attached data sheets.

BTEX Analysis

The sample was analyzed by combined gas chromatography/mass spectrometry (GC/MS) for Benzene, Toluene, Ethylbenzene and total Xylenes. The analyses were performed according to the methodology outlined in EPA Method TO-14A. The method was modified for using Tedlar bags. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of a Hewlett Packard Model 5973 GC/MS/DS interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given on the attached data summary sheets.

Reviewed and Approved:

Wade Henton
Analytical Chemist

Reviewed and Approved:

Chris Parnell
Senior Chemist

2005 Park Center Drive, Suite D, Simi Valley, California 93065 • Phone (805) 526-7161 • Fax (805) 526-7270

Performance Analytical Inc.
Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
An Employee Owned Company

RESULTS OF ANALYSIS

Client : New York State Electric & Gas Corporation

Client Sample ID : D108000302
PAI Sample ID : P2000481-001

Test Code : GC/MS Mod. EPA TO-14A
Analyst : Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Tedlar Bag

Date Sampled : 3/2/00
Date Received : 3/3/00
Date Analyzed : 3/3/00
Volume(s) Analyzed : 0.20 Liter

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
71-43-2	Benzene	180	5.0	56	1.6
108-88-3	Toluene	110	5.0	28	1.3
100-41-4	Ethylbenzene	3.1 TR	5.0	0.71 TR	1.2
1330-20-7	m- & p-Xylenes	14	5.0	3.1	1.2
95-47-6	o-Xylene	4.1 TR	5.0	0.93 TR	1.2

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: RCT Date: 3/17/00

2665 Park Center Drive, Suite B, Simi Valley, California 93065 • Phone (805) 526-7161 • Fax (805) 526-7270

NYSEG CHAIN OF CUSTODY RECORD

Laboratory PERFORMANCE ANALYTICAL

Project Location: ITHACA COURT ST. MGP
Samplers: B. BALCHUNIS
Affiliation:

P20000481

Sample ID Code	Type	Matrix	Collection Date/Time	No. of Containers	BTEX only TO-14	Remarks
D108000302	G	A	3/2/00 0800	1	X	
						STANDARD TAT.
						PO # B398899
						REPORT TO:
						JOHN RUSPANTINI @
						NYSEG
						PO BOX 5224
						BINGHAMTON, NY 13902

Matrix Code: L=Liquid; S=Solid; A=Air

Relinquished by:	Loc: FIELD	Date: 3/2/00	Time: 1630	Seals Intact	
Received by: Madison Malone	Loc: PAI	Date: 3/3/00	Time: 0900	Y N NA	
Relinquished by:	Loc:	Date:	Time:	Seals Intact	
Received by:	Loc:	Date:	Time:	Y N NA	

Special Instructions / Remarks: Return Cooler (s) _____ and Foam (s) _____ or Service Charge will be applied.

Delivery Method: In Person (Fed Ex) Common Carrier(specify) Lab Courier Other(specify)

APPENDIX E

ANALYTICAL RESULTS FOR
POST EXCAVATION SAMPLES

NYSEG

May 1, 2000

Mr. David A. Crosby, P. E.
Program Manager
Bureau of Construction Services
Division of Hazardous Waste Remediation
New York State Department of
Environmental Conservation
50 Wolf Road
Albany, NY 12233-7010

Subject: Ithaca Court St. Former Manufactured Gas Plant (MGP)
Interim Remedial Measures Project (IRM)
Confirmation Sample Results

Dear Mr. Crosby:

Enclosed for your information and use are the analytical results of confirmation soil sampling for the above noted project. A drawing depicting the relative locations of the samples collected is also enclosed.

Should you have any questions or comments concerning the enclosed information, please feel free to contact me at (607) 762-8787.

Sincerely,
NYSEG

John J. Ruspantini
Staff Environmental Specialist
Licensing & Environmental Operations

Enclosure

cc: w/ enclosure:
J. M Simone
B.W. Finch

f:\lenv\doc\jjr\crosby43.wp

An Equal Opportunity Employer

New York State Electric & Gas Corporation
Results of Excavation Endpoint Confirmation Sampling
Ithaca Court St. Former MGP
Interim Remedial Measures Project

Map Number	Sample ID	Collection Date	Depth Below Existing Grade (ft)	Total Benzene (ppm)	Total PAH (ppm)	Total cPAH (ppm)	Naphthalene (ppm)
1	ICVCSW0601	3/7/00	6	<0.006	0.244	0.244	<0.400
2	ICVCBM0302	3/7/00	3	<0.006	147.7	94.00	<12.00
3	ICVCBM0303	3/7/00	3	40.00	380.0	50.90	100.0

PPM means parts per million
PAH means Polycyclic Aromatic Hydrocarbons
cPAH means Carcinogenic Polycyclic Aromatic Hydrocarbons

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LABORATORY REPORT

for

NYS Electric & Gas
Kirkwood Industrial Park
Corporate Drive, PO 5224
Binghamton, NY 13902

Attention: John Ruspantini

Report date: 03/24/00
Number of samples analyzed: 3
AES Project ID: 000310 E
Invoice #: 210656

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVCSW0601
AES sample #: 000310 E01
Samples taken by: B. Balchikonis
MATRIX: Soil
Date Sampled: 03/07/00
Date sample received: 03/10/00
Location: Ithaca Court St
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
CLP-pH	EPA-150.1	7.4	su		03/17/00
CLP-TS		81	%	PL-Q-11	03/16/00
Chloromethane	EPA-8260	<12	ug/kg	MG-BV-5	03/16/00
Bromomethane	EPA-8260	<12	ug/kg	MG-BV-5	03/16/00
Vinyl Chloride	EPA-8260	<12	ug/kg	MG-BV-5	03/16/00
Chloroethane	EPA-8260	<12	ug/kg	MG-BV-5	03/16/00
Methylene Chloride	EPA-8260	6 J	ug/kg	MG-BV-5	03/16/00
:etone	EPA-8260	<12	ug/kg	MG-BV-5	03/16/00
Carbon Disulfide	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
1,1-Dichloroethene	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
1,1-Dichloroethane	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
trans-1,2-Dichloroethene	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Chloroform	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
1,2 Dichloroethane	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
2-Butanone	EPA-8260	<12	ug/kg	MG-BV-5	03/16/00
1,1,1-Trichloroethane	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Carbon Tetrachloride	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Vinyl Acetate	EPA-8260	<12	ug/kg	MG-BV-5	03/16/00
Bromodichloromethane	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
1,2-Dichloropropane	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVCSW0601
AES sample #: 000310 E01
Samples taken by: B. Balchikonis
MATRIX: Soil
Date Sampled: 03/07/00
Date sample received: 03/10/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
cis-1,3-Dichloropropene	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Trichloroethene	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Dibromochloromethane	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
1,1,2-Trichloroethane	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Benzene	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
t-1,3-Dichloropropene	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Bromoform	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
-Hexanone	EPA-8260	<12	ug/kg	MG-BV-5	03/16/00
4-Methyl-2-pentanone	EPA-8260	<12	ug/kg	MG-BV-5	03/16/00
Tetrachloroethene	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
1,1,2,2-Tetrachloroethane	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Toluene	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Chlorobenzene	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Ethylbenzene	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Styrene	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Xylenes,Total	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
cis-1,2 Dichloroethene	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Acenaphthene	EPA-8270	<400	ug/kg	MT-BW-28	03/20/00
Acenaphthylene	EPA-8270	<400	ug/kg	MT-BW-28	03/20/00
Anthracene	EPA-8270	<400	ug/kg	MT-BW-28	03/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVCSW0601
AES sample #: 000310 E01 Samples taken by: B. Balchikonis
MATRIX: Soil

Date Sampled: 03/07/00
Date sample received: 03/10/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzo(a)anthracene	EPA-8270	<400	ug/kg	MT-BW-28	03/20/00
Benzo(b)fluoranthene	EPA-8270	58 J	ug/kg	MT-BW-28	03/20/00
Benzo(k)fluoranthene	EPA-8270	66 J	ug/kg	MT-BW-28	03/20/00
Benzo(g,h,i)perylene	EPA-8270	<400	ug/kg	MT-BW-28	03/20/00
Benzo(a)pyrene	EPA-8270	120 J	ug/kg	MT-BW-28	03/20/00
Butyl benzyl phthalate	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Bis(2-Chloroethoxy)methane	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
s(2-Chloroethyl)ether	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
2,2'-oxybis(1-Chloropropane)	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Bis(2-ethylhexyl)phthalate	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
4-Bromophenyl-phenylether	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
2-Chloronaphthalene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
4-Chlorophenyl-phenylether	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Chrysene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Dibenzo(a,h)anthracene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Di-n-butyl phthalate	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
1,2-Dichlorobenzene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
1,3-Dichlorobenzene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
1,4-Dichlorobenzene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
3,3'-Dichlorobenzidine	EPA-8270	<800	ug/kg	MT-BW-8	03/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVCSW0601
AES sample #: 000310 E01
Samples taken by: B. Balchikonis
MATRIX: Soil
Date Sampled: 03/07/00
Date sample received: 03/10/00
Location: Ithaca Court St grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Diethylphthalate	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Dimethylphthalate	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
2,4-Dinitrotoluene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
2,6-Dinitrotoluene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Di-n-octylphthalate	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Fluoranthene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Fluorene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
exachlorobenzene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Hexachlorobutadiene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Hexachlorocyclopentadiene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Hexachloroethane	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Indeno(1,2,3-cd)pyrene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Isophorone	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Naphthalene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Nitrobenzene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
N-Nitroso-di-n-propylamine	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
N-Nitrosodiphenylamine	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Phenanthrene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Pyrene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
1,2,4-Trichlorobenzene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVCSW0601
AES sample #: 000310 E01 Samples taken by: B. Balchikonis
MATRIX: Soil

Date Sampled: 03/07/00
Date sample received: 03/10/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
4-Chloro-3-methylphenol	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
2-Chlorophenol	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
2,4 Dichlorophenol	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
2,4 Dimethylphenol	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
2,4 Dinitrophenol	EPA-8270	<2000	ug/kg	MT-BW-8	03/20/00
4,6-Dinitro-2-Methylphenol	EPA-8270	<2000	ug/kg	MT-BW-8	03/20/00
4-Nitrophenol	EPA-8270	<2000	ug/kg	MT-BW-8	03/20/00
-Nitrophenol	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
Pentachlorophenol	EPA-8270	<2000	ug/kg	MT-BW-8	03/20/00
Phenol	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
2,4,6 Trichlorophenol	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
2-Methylnaphthalene	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
2-Methylphenol	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
4-Methylphenol	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
4-Chloroaniline	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
2,4,5-Trichlorophenol	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
2-Nitroaniline	EPA-8270	<2000	ug/kg	MT-BW-8	03/20/00
3-Nitroaniline	EPA-8270	<2000	ug/kg	MT-BW-8	03/20/00
Dibenzofuran	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00
4-Nitroaniline	EPA-8270	<2000	ug/kg	MT-BW-8	03/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVCSW0601
AES sample #: 000310 E01
Samples taken by: B. Balchikonis
MATRIX: Soil
Date Sampled: 03/07/00
Date sample received: 03/10/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Carbazole	EPA-8270	<400	ug/kg	MT-BW-8	03/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVCBM0302
AES sample #: 000310 E02 Samples taken by: B. Balchikonis
MATRIX: Soil

Date Sampled: 03/07/00
Date sample received: 03/10/00
Location: Ithaca Court St
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
CLP-pH	EPA-150.1	7.5	su		03/17/00
CLP-TS		86	%	PL-Q-11	03/16/00
Benzene	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Toluene	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Ethylbenzene	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Xylenes, Total	EPA-8260	<6	ug/kg	MG-BV-5	03/16/00
Naphthalene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Acenaphthylene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Acenaphthene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Fluorene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Phenanthrene	EPA-8270	5.8 J	ug/g	MT-BW-28	03/20/00
Anthracene	EPA-8270	1.9 J	ug/g	MT-BW-28	03/20/00
Fluoranthene	EPA-8270	19	ug/g	MT-BW-28	03/20/00
Pyrene	EPA-8270	27	ug/g	MT-BW-28	03/20/00
Chrysene	EPA-8270	15	ug/g	MT-BW-28	03/20/00
Benzo(b)fluoranthene	EPA-8270	15	ug/g	MT-BW-28	03/20/00
Benzo(k)fluoranthene	EPA-8270	16	ug/g	MT-BW-28	03/20/00
Benzo(a)pyrene	EPA-8270	17	ug/g	MT-BW-28	03/20/00
Indeno(1,2,3-cd)pyrene	EPA-8270	15	ug/g	MT-BW-28	03/20/00
Dibenzo(a,h)anthracene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVCBM0302
AES sample #: 000310 E02
Samples taken by: B. Balchikonis
MATRIX: Soil

Date Sampled: 03/07/00
Date sample received: 03/10/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzo(g,h,i)perylene	EPA-8270	16	ug/g	MT-BW-28	03/20/00
Benzo(a)anthracene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
2-Methylnaphthalene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Dibenzofuran	EPA-8270	<12	ug/g	MT-BW-28	03/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVCBMO303
AES sample #: 000310 E03
Samples taken by: B. Balchikonis
MATRIX: Soil
Date Sampled: 03/08/00
Date sample received: 03/10/00
Location: Ithaca Court St
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
CLP-pH	EPA-150.1	7.4	su		03/17/00
CLP-TS		86	%	PL-Q-11	03/16/00
Chloromethane	EPA-8260	<5800	ug/kg	MG-BV-5	03/16/00
Bromomethane	EPA-8260	<5800	ug/kg	MG-BV-5	03/16/00
Vinyl Chloride	EPA-8260	<5800	ug/kg	MG-BV-5	03/16/00
Chloroethane	EPA-8260	<5800	ug/kg	MG-BV-5	03/16/00
Methylene Chloride	EPA-8260	3300 B	ug/kg	MG-BV-5	03/16/00
cetone	EPA-8260	<5800	ug/kg	MG-BV-5	03/16/00
Carbon Disulfide	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
1,1-Dichloroethene	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
1,1-Dichloroethane	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
trans-1,2-Dichloroethene	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
Chloroform	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
1,2 Dichloroethane	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
2-Butanone	EPA-8260	<5800	ug/kg	MG-BV-5	03/16/00
1,1,1-Trichloroethane	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
Carbon Tetrachloride	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
Vinyl Acetate	EPA-8260	<5800	ug/kg	MG-BV-5	03/16/00
Bromodichloromethane	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
1,2-Dichloropropane	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVCBM0303
AES sample #: 000310 E03 Samples taken by: B. Balchikonis
MATRIX: Soil

Date Sampled: 03/08/00
Date sample received: 03/10/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
cis-1,3-Dichloropropene	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
Trichloroethene	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
Dibromochloromethane	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
1,1,2-Trichloroethane	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
Benzene	EPA-8260	40000	ug/kg	MG-BV-5	03/16/00
t-1,3-Dichloropropene	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
Bromoform	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
-Hexanone	EPA-8260	<5800	ug/kg	MG-BV-5	03/16/00
4-Methyl-2-pentanone	EPA-8260	<5800	ug/kg	MG-BV-5	03/16/00
Tetrachloroethene	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
1,1,2,2-Tetrachloroethane	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
Toluene	EPA-8260	112000	ug/kg	MG-BV-5	03/16/00
Chlorobenzene	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
Ethylbenzene	EPA-8260	43000	ug/kg	MG-BV-5	03/16/00
Styrene	EPA-8260	46000	ug/kg	MG-BV-5	03/16/00
Xylenes,Total	EPA-8260	142000	ug/kg	MG-BV-5	03/16/00
cis-1,2 Dichloroethene	EPA-8260	<2900	ug/kg	MG-BV-5	03/16/00
Acenaphthene	EPA-8270	8.1 J	ug/g	MT-BW-28	03/20/00
Acenaphthylene	EPA-8270	19	ug/g	MT-BW-28	03/20/00
Anthracene	EPA-8270	17	ug/g	MT-BW-28	03/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVCBM0303
AES sample #: 000310 E03
Samples taken by: B. Balchikonis
MATRIX: Soil
Date Sampled: 03/08/00
Date sample received: 03/10/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzo(a)anthracene	EPA-8270	13	ug/g	MT-BW-28	03/20/00
Benzo(b)fluoranthene	EPA-8270	8.4 J	ug/g	MT-BW-28	03/20/00
Benzo(k)fluoranthene	EPA-8270	9.1 J	ug/g	MT-BW-28	03/20/00
Benzo(g,h,i)perylene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Benzo(a)pyrene	EPA-8270	9.4 J	ug/g	MT-BW-28	03/20/00
Butyl benzyl phthalate	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Bis(2-Chloroethoxy)methane	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
'is(2-Chloroethyl)ether	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
2,2'-oxybis(1-Chloropropane)	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Bis(2-ethylhexyl)phthalate	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
4-Bromophenyl-phenylether	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
2-Chloronaphthalene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
4-Chlorophenyl-phenylether	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Chrysene	EPA-8270	11 J	ug/g	MT-BW-28	03/20/00
Dibenzo(a,h)anthracene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Di-n-butyl phthalate	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
1,2-Dichlorobenzene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
1,3-Dichlorobenzene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
1,4-Dichlorobenzene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
3,3'-Dichlorobenzidine	EPA-8270	<24	ug/g	MT-BW-28	03/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVCBM0303
AES sample #: 000310 E03
Samples taken by: B. Balchikonis
MATRIX: Soil
Date Sampled: 03/08/00
Date sample received: 03/10/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Diethylphthalate	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Dimethylphthalate	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
2,4-Dinitrotoluene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
2,6-Dinitrotoluene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Di-n-octylphthalate	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Fluoranthene	EPA-8270	29	ug/g	MT-BW-28	03/20/00
Fluorene	EPA-8270	15	ug/g	MT-BW-28	03/20/00
Hexachlorobenzene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Hexachlorobutadiene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Hexachlorocyclopentadiene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Hexachloroethane	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Indeno(1,2,3-cd)pyrene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Isophorone	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Naphthalene	EPA-8270	100	ug/g	MT-BW-28	03/20/00
Nitrobenzene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
N-Nitroso-di-n-propylamine	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
N-Nitrosodiphenylamine	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Phenanthrene	EPA-8270	55	ug/g	MT-BW-28	03/20/00
Pyrene	EPA-8270	34	ug/g	MT-BW-28	03/20/00
1,2,4-Trichlorobenzene	EPA-8270	<12	ug/g	MT-BW-28	03/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVCBM0303
AES sample #: 000310 E03 Samples taken by: B. Balchikonis
MATRIX: Soil

Date Sampled: 03/08/00
Date sample received: 03/10/00
Location: Ithaca Court St
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
4-Chloro-3-methylphenol	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
2-Chlorophenol	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
2,4 Dichlorophenol	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
2,4 Dimethylphenol	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
2,4 Dinitrophenol	EPA-8270	<58	ug/g	MT-BW-28	03/20/00
4,6-Dinitro-2-Methylphenol	EPA-8270	<58	ug/g	MT-BW-28	03/20/00
4-Nitrophenol	EPA-8270	<58	ug/g	MT-BW-28	03/20/00
2-Nitrophenol	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
Pentachlorophenol	EPA-8270	<58	ug/g	MT-BW-28	03/20/00
Phenol	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
2,4,6 Trichlorophenol	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
2-Methylnaphthalene	EPA-8270	41	ug/g	MT-BW-28	03/20/00
2-Methylphenol	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
4-Methylphenol	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
4-Chloroaniline	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
2,4,5-Trichlorophenol	EPA-8270	<12	ug/g	MT-BW-28	03/20/00
2-Nitroaniline	EPA-8270	<58	ug/g	MT-BW-28	03/20/00
3-Nitroaniline	EPA-8270	<58	ug/g	MT-BW-28	03/20/00
Dibenzofuran	EPA-8270	11 J	ug/g	MT-BW-28	03/20/00
4-Nitroaniline	EPA-8270	<58	ug/g	MT-BW-28	03/20/00

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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: ICVCBM0303
AES sample #: 000310 E03
Samples taken by: B. Balchikonis
MATRIX: Soil
Date Sampled: 03/08/00
Date sample received: 03/10/00
Location: Ithaca Court St
grab

continued:

PARAMETER	PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Carbazole		EPA-8270	4.9 J	ug/g	MT-BW-28	03/20/00

APPROVED BY: Christopher Hess
Report date: 03/24/00

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS: (Names)
NYSEG	ITHACA COURT ST. MGP	BRIAN DALKIKONIS
ADDRESS PO Box 5224 BINGHAMTON, NY 13902	PO NUMBER	SAMPLERS: (Signature)

AES SAMPLE NUMBER	CLIENT SAMPLE IDENTIFICATION & LOCATION	DATE SAMPLED	TIME A=a.m. P=p.m.	SAMPLE TYPE MATRIX	COMP	GRAB	NUMBER OF CONT'S	ANALYSIS REQUIRED
000310 E01	ICVCSW0601	03/07/00	1515 P	Soil		X	2	8260 (FULL) 8270 (FULL)
E02	ICVCBM0302	03/07/00	1535 P	S		X	2	8260 (BTEX) 8270 (PAH)
E03	ICVCBM0503	03/08/00	1215 P	S		X	2	8260 (FULL) 8270 (FULL)
↓	MS/MSD	03/08/00	1216 P	S		X	4	↓ ↓
			A P					
			A P					ASP CATEGORY B DELIVERABLE
	000310 E		A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					

Turnaround Time: STANDARD

Laboratory Approval:

Relinquished by: (Signature)	**Received by:** (Signature)	**Date/Time** 03/08/00 1530
Relinquished by: (Signature)	**Received by:** (Signature)	**Date/Time**
Relinquished by: (Signature)	**Received by:** (Signature)	**Date/Time**
Dispatched by: (Signature)	**Date/Time**	**Received for Laboratory by:** M. L	**Date/Time** 3/10/00 900
Method of Shipment:	**Send Report To:** JOHN RUSDANTINI	**Client Phone No.:** (607) 762-8787

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

APPENDIX F

DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT

ITHACA COURT STREET MGP IRM PROJECT

SAMPLED 11/23/99 - 4/6/00

VOLATILE ORGANICS
SEMIVOLATILE ORGANICS

Prepared for:

NEW YORK STATE ELECTRIC and GAS CORP.
P.O. Box 5224
Binghamton, NY 13902-5224

Prepared by:

DATAVAL, Inc.
520 Hooper Rd., PMB 283
Endwell, NY 13760

DATA USABILITY SUMMARY REPORT

for

NEW YORK STATE ELECTRIC AND GAS CORPORATION

P.O. BOX 5224

BINGHAMTON, NEW YORK 13902-5224

Ithaca Court St. MGP IRM Project
SDG BM0302
Sampled 07Mar00, 08Mar00

SOIL SAMPLES for VOLATILE ORGANICS

ICVCSW0601 (000310E01) ICVCBM0302 (000310E02)
ICVCBM0503 (000310E03)

DATA ASSESSMENT

A volatile organics data package containing analytical results for three soil samples was received from NYSE&G Corp. on 16Jun00. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Ithaca Court St. MPG IRM Project site, were identified by Chain of Custody documents and trackable through the work of Adirondack Environmental Services, Inc., the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed BETX and Target Compound List analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current Region II Functional Guidelines (SOW HW-6,Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

The bromoform and 1,1,2,2-tetrachloroethane results reported from ICVCSW0601 and ICVCBM0503 have been rejected due to poor calibration performance.

Positive results reported from ICVCBM0503 have been identified as estimations due to the unacceptable matrix spike recoveries reported from a medium level soil.

CORRECTNESS AND USABILITY

The field custody record, and the records furnished by the laboratory, failed to document the preservation of samples, and their condition at the time of receipt, by the laboratory. Specifically, it is impossible to verify that the samples were packed with ice in the field, and maintained at 4°C from the time of collection. Cooler temperatures were not recorded by the laboratory at the time of sample receipt.

The NYSE&G program manager has indicated that samples are packed with ice as a matter of routine. Such handling is a requirement of the Quality Assurance Plan.

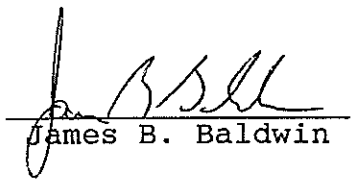
The laboratory has indicated that cooler temperatures were not recorded because the sample coolers did not contain a temperature blank. The laboratory also indicated that a record would have been initiated if the integrity of the samples was suspect at the time of receipt. A notation would have been made on the custody record if the sample coolers did not contain ice.

Based on this information, laboratory data obtained from this group of samples may be assumed to be technically accurate. The missing documentation would, however, weaken its defensibility. It is strongly recommended that, in the future, a temperature blank be

packaged in each cooler containing program samples.

Reported data should be considered technically defensible and completely usable in its present form. Reported concentrations that are felt to provide a usable estimation of the conditions being measured have been flagged "J" or "UJ". Unreliable data has been identified with a single red line and flagged "R". Rejected data should not be included in data tables. Estimated data should be used with caution. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly. DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:  Date: 12/14/00

James B. Baldwin

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included three soils, two matrix spikes, and two matrix spike duplicates, was collected from the Ithaca Court St. MPG IRM Project site on 07Mar00 and 08Mar00 and received by the laboratory on 10Mar00. Analyses were completed on 16Mar00 and 20Mar00, satisfying the program holding time requirement.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

Three Method Blanks were analyzed with this group of samples. VBLK01 contained traces of methylene chloride and chloroform. Traces of methylene chloride were also detected in ICVCBM0503. Because the presence of methylene chloride is assumed to represent a laboratory artifact, this analyte should be considered undetected in ICVCBM0503. The remaining blanks were clean.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range

through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 16Mar00. Standards of 10, 20, 50, 100, and 200 µg/L were included. The calibration for most targeted analytes demonstrated the required minimum levels of instrument response and an acceptable degree of linearity. Bromoform and 1,1,2,2-tetrachloroethane standards, however, failed to produce the required minimum levels of response. Each calibration verification standard produced similar results. Based on this performance, bromoform and 1,1,2,2-tetrachloroethane results must be considered unreliable.

During the initial calibration, bromomethane and vinyl acetate standards demonstrated poor linearity. Each standard, however, produced the required minimum level of response. Although errors might be expected in measurements of these analytes, it may be assumed that bromomethane and vinyl acetate would be detected if present in samples. Because they were not detected, data has been left unqualified.

A calibration verification standard was run prior to program samples on 20Mar00. In addition to the previously observed problems with bromoform and 1,1,2,2-tetrachloroethane, 1,1-dichloroethane and vinyl acetate demonstrated a large change in instrument response. In both cases, however, the required minimum response was obtained. Because 1,1-dichloroethane and vinyl acetate were not detected in program samples, data has been left unqualified.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structure of surrogates is similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Standard Summary Sheets were properly prepared. However, an incorrect acceptance criteria was applied to the recovery of each surrogate standard. When compared to the ASP acceptance criteria, a high recovery was identified for one surrogate addition to ICVCBM0302. Because targeted analytes were not detected in ICVCBM0302, and the indication of bias was positive, data qualifications are not required.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area

of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard areas and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

ICVCSW0705 and ICVCBM0503 were selected for matrix spiking. The analyte additions to two portions of ICVCSW0705 demonstrated acceptable levels of measurement accuracy and precision.

ICVCBM0503 was spiked and analyzed as a medium level soil. The benzene and toluene additions to the MS portion of this sample were completely unrecovered. A toluene recovery of 165% was reported from the MSD portion.

The observed spiking performance is indicative of a non-homogeneous sample matrix. Based on this observation, positive analyte results obtained from medium level soil samples have been qualified as estimations. Data reported from low level samples remains unaffected.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument printouts. Sample chromatograms were properly attenuated. The presence of targeted analytes, when detected in samples, was confirmed by a matching mass spectra reference.

The analyte concentrations and CRDL's reported from this group of samples have been adjusted to reflect the moisture content of each program sample.

QUALIFIED DATA
Ithaca Court St. MGP IRM Project

SDG: BM0302 Sampled: 07Mar00, 08Mar00

	CALIBRATE BROMOFORM	CALIBRATE 1122TCA	SPIKES
ICVCSW0601 (000310E01)	REJECT	REJECT	
ICVCBM0302 (000310E02)			
ICVCBM0503 (000310E03)	REJECT	REJECT	ALL POS J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BM0302

Name: AES,INC. Contract:

Lab Code: AES Case No.: NEG004 SAS No.: SDG No.: BM0302

Matrix: (soil/water) SOIL Lab Sample ID: BM0302

Sample wt/vol: 5.000 (g/mL) G Lab File ID: C0642

Level: (low/med) LOW Date Received: 3/10/00

% Moisture: not dec. 14. Date Analyzed: 3/16/00

Column: (pack/cap) CAP Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
71-43-2	Benzene	6.	U
108-88-3	Toluene	6.	U
100-41-4	Ethylbenzene	6.	U
106-42-3	m,p-Xylenes	6.	U
95-47-6	o-Xylene	6.	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BM0503

Name: AES,INC. Contract:
Lab Code: AES Case No.: NEG004 SAS No.: SDG No.: BM0302
Matrix: (soil/water) SOIL Lab Sample ID: BM0503
Sample wt/vol: 2.000 (g/mL) G Lab File ID: C0643
Level: (low/med) MED Date Received: 3/10/00
% Moisture: not dec. 14. Date Analyzed: 3/16/00
Column: (pack/cap) CAP Dilution Factor: 100.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5800.	U
74-83-9	Bromomethane	5800.	U
75-01-4	Vinyl Chloride	5800.	U
75-00-3	Chloroethane	5800.	U
75-09-2	Methylene Chloride	3200.	B
67-64-1	Acetone	5800.	U
75-15-0	Carbon Disulfide	2900.	U
75-35-4	1,1-Dichloroethene	2900.	U
75-34-3	1,1-Dichloroethane	2900.	U
156-60-5	1,2-Dichloroethene-trans	2900.	U
67-66-3	Chloroform	2900.	U
107-06-2	1,2-Dichloroethane	2900.	U
78-93-3	2-Butanone	5800.	U
71-55-6	1,1,1-Trichloroethane	2900.	U
56-23-5	Carbon Tetrachloride	2900.	U
108-05-4	Vinyl Acetate	5800.	U
75-27-4	Bromodichloromethane	2900.	U
78-87-5	1,2-Dichloropropane	2900.	U
10061-01-5	cis-1,3-Dichloropropene	2900.	U
79-01-6	Trichloroethene	2900.	U
124-48-1	Dibromochloromethane	2900.	U
79-00-5	1,1,2-Trichloroethane	2900.	U
71-43-2	Benzene	39000.	J
10061-02-6	trans-1,3-Dichloropropene	2900.	U
75-25-2	Bromoform	~~2900.~~	~~U~~ R
591-78-6	2-Hexanone	5800.	U
108-10-1	4-Methyl-2-Pentanone	5800.	U
127-18-4	Tetrachloroethene	2900.	U
79-34-5	1,1,2,2-Tetrachloroethane	~~2900.~~	~~U~~ R
108-88-3	Toluene	110000.	J
108-90-7	Chlorobenzene	2900.	U
100-41-4	Ethylbenzene	43000.	J
100-42-5	Styrene	46000.	J
156-59-2	1,2-Dichloroethene-cis	2900.	U
106-42-3	m,p-Xylenes	99000.	J
95-47-6	o-Xylene	43000.	J

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09

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW0601

1 Name: AES,INC. .Contract:
Lab Code: AES Case No.: NEG004 SAS No.: SDG No.: BM0302
Matrix: (soil/water) SOIL Lab Sample ID: SW0601
Sample wt/vol: 5.000 (g/mL) G Lab File ID: C0682
Level: (low/med) LOW Date Received: 3/10/00
Moisture: not dec. 19. Date Analyzed: 3/20/00
Column: (pack/cap) CAP Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	6.	U
67-64-1	Acetone	12.	U
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
156-60-5	1,2-Dichloroethene-trans	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	12.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	~~6.~~	~~U~~ R
591-78-6	2-Hexanone	12.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	~~6.~~	~~U~~ R
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
156-59-2	1,2-Dichloroethene-cis	6.	U
106-42-3	m,p-Xylenes	6.	U
95-47-6	o-Xylene	6.	U

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DATA USABILITY SUMMARY REPORT

for

NEW YORK STATE ELECTRIC AND GAS CORPORATION

P.O. BOX 5224

BINGHAMTON, NEW YORK 13902-5224

Ithaca Court St. MGP IRM Project

SDG BM0302
Sampled 07Mar00, 08Mar00

SOIL SAMPLES for SEMIVOLATILE ORGANICS

ICVCSW0601 (000310E01) ICVCBM0302 (000310E02)
ICVCBM0503 (000310E03)

DATA ASSESSMENT

A semivolatile organics data package containing analytical results for three soil samples was received from NYSE&G Corp. on 16Jun00. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Ithaca Court St. MGP IRM Project site, were identified by Chain of Custody documents and trackable through the work of Adirondack Environmental Services, Inc., the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed the Target Compound List and 17 specific PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current Region II Functional Guidelines (SOW HW-6,Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

The benzo(g,h,i)perylene result from ICVCSW0601 has been rejected, and results from ICVCBM0302 and ICVCBM0503 qualified as estimations due to poor calibration performance. 2-Methylnaphthalene, pyrene and 4-chloro-3-methylphenol results from ICVCBM0302 and ICVCBM0503 have also been qualified.

CORRECTNESS AND USABILITY

The identifications of several reported analytes were not conclusive, based on the mass spectra references provided by the laboratory. These analytes have been flagged as undetected. Only results from ICVCBM0503 are affected.

The field custody record, and the records furnished by the laboratory, failed to document the preservation of samples, and their condition at the time of receipt, by the laboratory. Specifically, it is impossible to verify that the samples were packed with ice in the field, and maintained at 4°C from the time of collection. Cooler temperatures were not recorded by the laboratory at the time of sample receipt.

The NYSE&G program manager has indicated that samples are packed with ice as a matter of routine. Such handling is a requirement of the Quality Assurance Plan.

The laboratory has indicated that cooler temperatures were not recorded because the sample coolers did not contain a temperature blank. The laboratory also indicated that a record would have been initiated if the integrity of the samples was suspect at the time of receipt. A notation would have been made on the custody record if the sample coolers did not contain ice.

Based on this information, laboratory data obtained from this group of samples may be assumed to be technically accurate. The missing documentation would, however, weaken its defensibility. It is strongly recommended that, in the future, a temperature blank be packaged in each cooler containing program samples.

Reported data should be considered technically defensible and completely usable in its present form. Reported concentrations that are felt to provide a usable estimation of the conditions being measured have been flagged "J" or "UJ". Unreliable data has been identified with a single red line and flagged "R". Rejected data should not be included in data tables. Estimated data should be used with caution. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly. DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature: James B. Baldwin Date: 14 JUL 00

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included three soils, two matrix spikes, and two matrix spike duplicates, was collected from the Ithaca Court St. MPG IRM Project site on 07Mar00 and 08Mar00. They were received by the laboratory on 10Mar00. The samples were extracted on 13Mar00 and analyzed on 20Mar00. The site holding time limitations were satisfied.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

Two method blanks were processed with this group of samples. Each was free on targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 17Feb00. Standards of 20, 50, 80, 120 and 160 ng were included. Most calibration curves demonstrated the required levels of instru-

ment response and an acceptable degree of linearity. One exception is noted. An acceptable level of response was not obtained from the 50 ng benzo(g,h,i)perylene calibration standard. The response of the remaining four standards was acceptable. Based on this performance, benzo(g,h,i)perylene results have been qualified as estimations.

Continuing calibration checks were performed on 16Mar00 and 20Mar00, prior to the analysis of each group of samples. When compared to the initial instrument calibrations, the signals produced by most analytes demonstrated an acceptable level of instrument stability. On 16Mar00, 4-chloro-3-methylphenol, 2-methylnaphthalene and pyrene demonstrated poor linearity. On 20Mar00, benzo(g,h,i)perylene failed to produce the required level of instrument response. Based on this performance, 4-chloro-3-methylphenol, 2-methylnaphthalene and pyrene results obtained on 16Mar00 have been qualified as estimations. The benzo(g,h,i)-perylene result obtained from ICVCSW0601 has been rejected.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard retention times were stable throughout this work. The response and retention time of each internal standard that was added to program samples was within the limits of acceptance calculated by the laboratory.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structure of surrogates is similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Recovery Forms were properly prepared, the correct acceptance criteria applied. The recovery of each surrogate standard that was added to program samples was recovered successfully.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

ICVCSW0601 and ICVCBM0303 were selected for matrix spiking. ICVCSW0601 was analyzed as a low level soil. The additions to two portions of this sample produced acceptable recoveries of each spiked analyte. Although both recoveries reported for pyrene demonstrated an acceptable level of accuracy, a poor precision measurement was reported. This performance alone does not require the qualification of associated data.

Spikes to a medium level soil, ICVCBM0303, demonstrated acceptable levels of measurement accuracy and precision. Spikes to a clean matrix (MSB) were also recovered successfully.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument printouts. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each reported analyte. In some cases, the laboratory generated references failed to provided a conclusive identification. Questionable identifications are tabulated below.

ICVCBM0503	phenol, 2-methylphenol, acenaphthylene

Analyte identifications that were not considered conclusive have been flagged as undetected on Form 1. A detection limit equaling PQL has been assumed.

The analyte concentrations and CRDL's reported from this group of samples have been adjusted to reflect the moisture content of each program sample.

QUALIFIED DATA
Ithaca Court St. MGP IRM Project

SDG: BM0302

Sampled: 07Mar00, 08Mar00

	CALIBRATE	CALIBRATE	SPECTRA ID
ICVCSW0601 (000310E01)	CAL1 REJECT		
ICVCBM0302 (000310E02)	CAL1 17000J	CAL2 J/UJ	
ICVCBM0503 (000310E03)	CAL1 UJ	CAL2 J/UJ	MS* U

CAL1 = benzo(g,h,i)perylene
CAL2 = 4-chloro-3-methylphenol, 2-methylnaphthalene, pyrene
MS = phenol, 2-methylphenol, acenaphthylene

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BM0302

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: NEG0004 SAS No.: SDG No.: BM0302

Matrix: (soil/water) SOIL Lab Sample ID: BM0302

Sample wt/vol: 1.000 (g/mL) G Lab File ID: A0709

Level: (low/med) MED Date Received: 3/10/00

% Moisture: not dec. 14. dec._____ Date Extracted: 3/13/00

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 3/20/00

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	12000.	U
91-57-6	2-Methylnaphthalene	12000.	~~U~~ UJ
208-96-8	Acenaphthylene	12000.	U
83-32-9	Acenaphthene	12000.	U
132-64-9	Dibenzofuran	12000.	U
86-73-7	Fluorene	12000.	U
85-01-8	Phenanthrene	5900.	J
120-12-7	Anthracene	1900.	J
206-44-0	Fluoranthene	19000.	
129-00-0	Pyrene	27000.	J
56-55-3	Benzo(a)Anthracene	15000.	
218-01-9	Chrysene	15000.	
205-99-2	Benzo(b)fluoranthene	15000.	
207-08-9	Benzo(k)Fluoranthene	17000.	
50-32-8	Benzo(a)Pyrene	18000.	
193-39-5	Indeno(1,2,3-cd)Pyrene	15000.	
53-70-3	Dibenzo(a,h)Anthracene	12000.	U
191-24-2	Benzo(g,h,i)Perylene	17000.	J

FORM I SV-1 1/87 Rev.

APPENDIX G

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
APPROVAL LETTER

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Construction Services, 12th Floor
625 Broadway, Albany, New York 12233-7010
Phone: (518) 402-9814 • **FAX:** (518) 402-9819
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

SEP 14 2001

Mr. Bert Finch
Project Manager
New York State Electric and Gas Corporation
Corporate Drive-Kirkwood Industrial Park
P.O. Box 5224
Binghamton, New York 13902-5224

Dear Mr. Finch:

Re: Ithaca Court Street Former MGP Site
Interim Remedial Measures
Engineering Report

The New York State Department of Environmental Conservation has reviewed your letter of August 1, 2001 regarding the Final Engineering Report for Activities at Ithaca Court Street Former Manufactured Gas Plant (MGP) Site, prepared by the New York State Electric and Gas (NYSEG). Your response to the Department's comments are acceptable and the Report is approved.

Please forward the final report to the site distribution list.

The Department appreciates NYSEG's continuing efforts to a remedial program at the Ithaca Court Street MGP site. If you have any questions, please feel free to contact me at (518) 402-9813.

Sincerely,

David A. Crosby

David A. Crosby, P.E.
Senior Environmental Engineer
Central Field Services Section
Bureau of Construction Services
Division of Environmental Remediation

Enclosures

cc: Joe Simone - NYSEG
Gary Robinson - NYSDOH, Syracuse
Mike Rivara - NYSDOH, Troy

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BM0503

Lab Name: AES, INC. Contract:

Lab Code: AES Case No.: NEG0004 SAS No.: SDG No.: BM0302

Matrix: (soil/water) SOIL Lab Sample ID: BM0503

Sample wt/vol: 1.000 (g/mL) G Lab File ID: A0710

Level: (low/med) LOW Date Received: 3/10/00

% Moisture: not dec. 14. dec._____ Date Extracted: 3/13/00

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 3/20/00

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
108-95-2	Phenol	12000	~~2700~~.	~~J~~ U
111-44-4	bis(-2-Chloroethyl)Ether		12000.	U
95-57-8	2-Chlorophenol		12000.	U
541-73-1	1,3-Dichlorobenzene		12000.	U
106-46-7	1,4-Dichlorobenzene		12000.	U
100-51-6	Benzyl Alcohol		12000.	U
95-50-1	1,2-Dichlorobenzene		12000.	U
95-48-7	2-Methylphenol		12000.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	12000	~~1500~~.	~~J~~ U
106-44-5	4-Methylphenol		12000.	U
621-64-7	N-Nitroso-Di-n-propylamine		3000.	J
67-72-1	Hexachloroethane		12000.	U
98-95-3	Nitrobenzene		12000.	U
78-59-1	Isophorone		12000.	U
88-75-5	2-Nitrophenol		12000.	U
105-67-9	2,4-Dimethylphenol		12000.	U
111-91-1	bis(-2-Chloroethoxy)Methane		12000.	U
120-83-2	2,4-Dichlorophenol		12000.	U
120-82-1	1,2,4-Trichlorobenzene		12000.	U
91-20-3	Naphthalene		12000.	U
106-47-8	4-Chloroaniline		100000.	
87-68-3	Hexachlorobutadiene		12000.	U
59-50-7	4-Chloro-3-methylphenol		12000.	U
91-57-6	2-Methylnaphthalene		~~U~~ 12000.	~~U~~ UJ
77-47-4	Hexachlorocyclopentadiene		~~4~~1000.	J
88-06-2	2,4,6-Trichlorophenol		12000.	U
95-95-4	2,4,5-Trichlorophenol		12000.	U
91-58-7	2-Chloronaphthalene		58000.	U
88-74-4	2-Nitroaniline		12000.	U
131-11-3	Dimethyl Phthalate		58000.	U
208-96-8	Acenaphthylene	12000	~~18000~~.	~~U~~
99-09-2	3-Nitroaniline		58000.	U
83-32-9	Acenaphthene		8200.	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BM0503

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: NEG0004 SAS No.: SDG No.: BM0302

Matrix: (soil/water) SOIL Lab Sample ID: BM0503

Sample wt/vol: 1.000 (g/mL) G Lab File ID: A0710

Level: (low/med) LOW Date Received: 3/10/00

% Moisture: not dec. 14. dec._____ Date Extracted: 3/13/00

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 3/20/00

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	58000.	U
100-02-7	4-Nitrophenol	58000.	U
132-64-9	Dibenzofuran	11000.	J
121-14-2	2,4-Dinitrotoluene	12000.	U
606-20-2	2,6-Dinitrotoluene	12000.	U
84-66-2	Diethylphthalate	12000.	U
7005-72-3	4-Chlorophenyl-phenylether	12000.	U
86-73-7	Fluorene	15000.	
100-01-6	4-Nitroaniline	58000.	U
534-52-1	4,6-Dinitro-2-methylphenol	58000.	U
86-30-6	N-Nitrosodiphenylamine	12000.	U
101-55-3	4-Bromophenyl-phenylether	12000.	U
118-74-1	Hexachlorobenzene	12000.	U
87-86-5	Pentachlorophenol	58000.	U
85-01-8	Phenanthrene	55000.	
120-12-7	Anthracene	17000.	
84-74-2	Di-n-Butylphthalate	12000.	U
206-44-0	Fluoranthene	29000.	
129-00-0	Pyrene	34000.	J
85-68-7	Butylbenzylphthalate	12000.	U
91-94-1	3,3'-Dichlorobenzidine	23000.	U
56-55-3	Benzo(a)Anthracene	13000.	
117-81-7	Bis(2-Ethylhexyl)Phthalate	12000.	U
218-01-9	Chrysene	11000.	J
117-84-0	Di-n-octyl phthalate	12000.	U
205-99-2	Benzo(b)fluoranthene	8400.	J
207-08-9	Benzo(k)Fluoranthene	9000.	J
50-32-8	Benzo(a)Pyrene	9500.	J
193-39-5	Indeno(1,2,3-cd)Pyrene	12000.	U
53-70-3	Dibenzo(a,h)Anthracene	12000.	U
191-24-2	Benzo(g,h,i)Perylene	12000.	U
65-85-0	Benzoic Acid	58000.	U

(1) - Cannot be separated from diphenylamine

FORM I SV-2

1/87 Rev.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW0601

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: NEG0004 SAS No.: SDG No.: BM0302

Matrix: (soil/water) SOIL Lab Sample ID: SW0601

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A0705

Level: (low/med) LOW Date Received: 3/10/00

% Moisture: not dec. 19. dec._____ Date Extracted: 3/13/00

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 3/20/00

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410.	U
111-44-4	bis(-2-Chloroethyl)Ether	410.	U
95-57-8	2-Chlorophenol	410.	U
541-73-1	1,3-Dichlorobenzene	410.	U
106-46-7	1,4-Dichlorobenzene	410.	U
100-51-6	Benzyl Alcohol	410.	U
95-50-1	1,2-Dichlorobenzene	410.	U
95-48-7	2-Methylphenol	410.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410.	U
106-44-5	4-Methylphenol	410.	U
621-64-7	N-Nitroso-Di-n-propylamine	410.	U
67-72-1	Hexachloroethane	410.	U
98-95-3	Nitrobenzene	410.	U
78-59-1	Isophorone	410.	U
88-75-5	2-Nitrophenol	410.	U
105-67-9	2,4-Dimethylphenol	410.	U
111-91-1	bis(-2-Chloroethoxy)Methane	410.	U
120-83-2	2,4-Dichlorophenol	410.	U
120-82-1	1,2,4-Trichlorobenzene	410.	U
91-20-3	Naphthalene	410.	U
106-47-8	4-Chloroaniline	410.	U
87-68-3	Hexachlorobutadiene	410.	U
59-50-7	4-Chloro-3-methylphenol	410.	U
91-57-6	2-Methylnaphthalene	410.	U
77-47-4	Hexachlorocyclopentadiene	410.	U
88-06-2	2,4,6-Trichlorophenol	410.	U
95-95-4	2,4,5-Trichlorophenol	2100.	U
91-58-7	2-Chloronaphthalene	410.	U
88-74-4	2-Nitroaniline	2100.	U
131-11-3	Dimethyl Phthalate	410.	U
208-96-8	Acenaphthylene	410.	U
99-09-2	3-Nitroaniline	2100.	U
83-32-9	Acenaphthene	410.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW0601

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: NEG0004 SAS No.: SDG No.: BM0302

Matrix: (soil/water) SOIL Lab Sample ID: SW0601

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A0705

Level: (low/med) LOW Date Received: 3/10/00

% Moisture: not dec. 19. dec._____ Date Extracted: 3/13/00

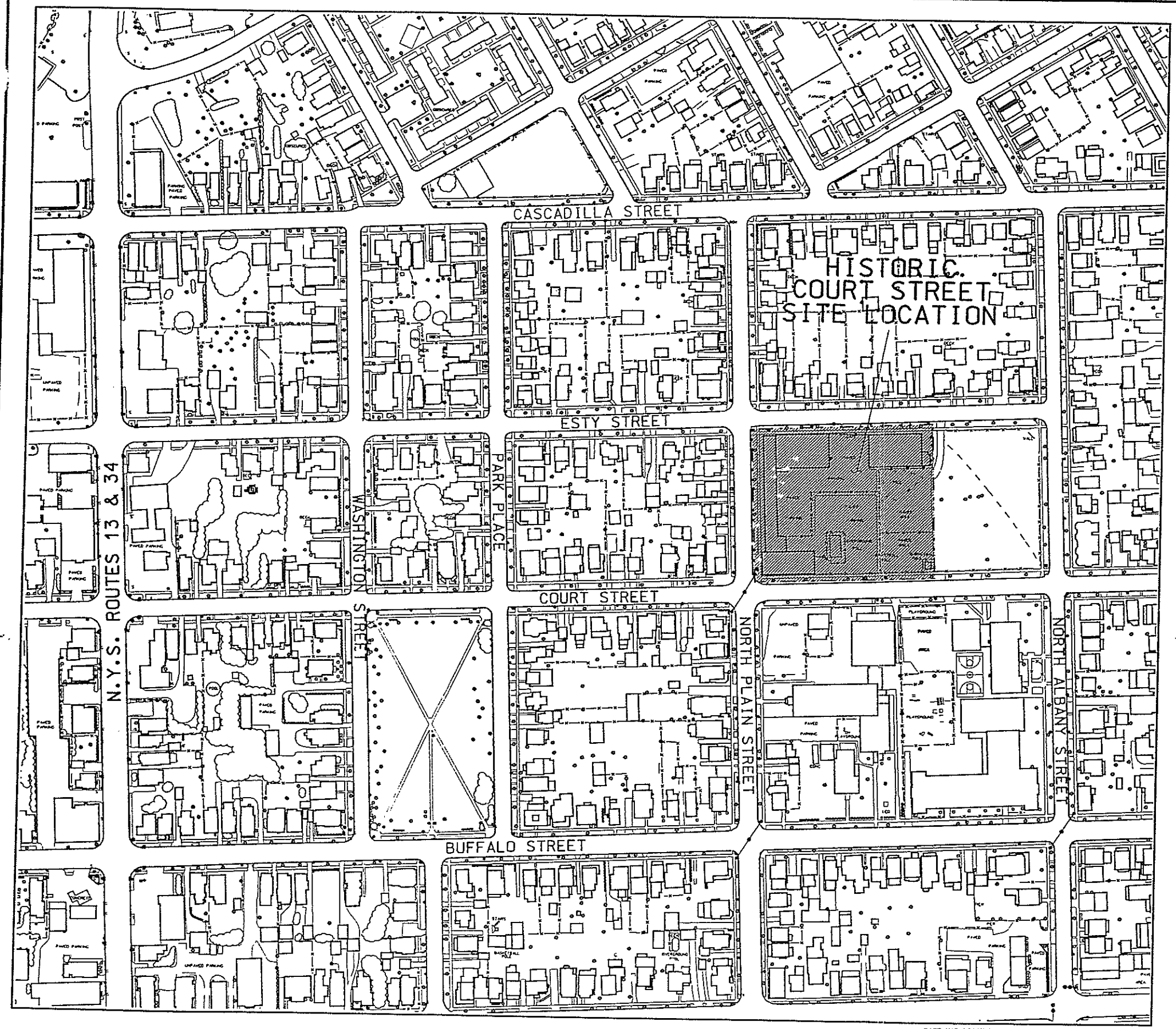
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 3/20/00

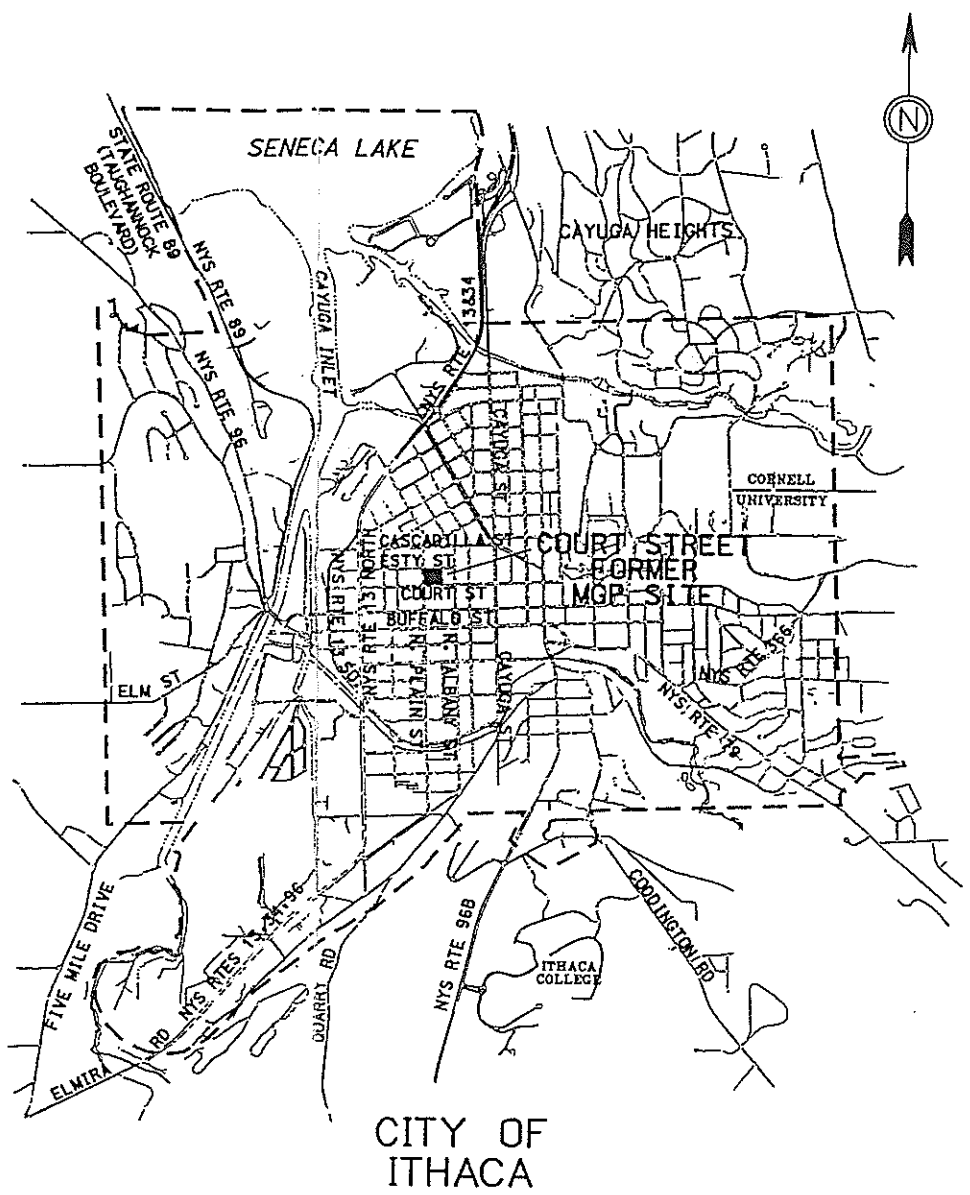
GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2100.	U
100-02-7	4-Nitrophenol	2100.	U
132-64-9	Dibenzofuran	410.	U
121-14-2	2,4-Dinitrotoluene	410.	U
606-20-2	2,6-Dinitrotoluene	410.	U
84-66-2	Diethylphthalate	410.	U
7005-72-3	4-Chlorophenyl-phenylether	410.	U
86-73-7	Fluorene	410.	U
100-01-6	4-Nitroaniline	2100.	U
534-52-1	4,6-Dinitro-2-methylphenol	2100.	U
86-30-6	N-Nitrosodiphenylamine	410.	U
101-55-3	4-Bromophenyl-phenylether	410.	U
118-74-1	Hexachlorobenzene	410.	U
87-86-5	Pentachlorophenol	2100.	U
85-01-8	Phenanthrene	410.	U
120-12-7	Anthracene	410.	U
84-74-2	Di-n-Butylphthalate	410.	U
206-44-0	Fluoranthene	410.	U
129-00-0	Pyrene	410.	U
85-68-7	Butylbenzylphthalate	410.	U
91-94-1	3,3'-Dichlorobenzidine	820.	U
56-55-3	Benzo(a)Anthracene	410.	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	410.	U
218-01-9	Chrysene	410.	U
117-84-0	Di-n-octyl phthalate	410.	U
205-99-2	Benzo(b)fluoranthene	55.	J
207-08-9	Benzo(k)Fluoranthene	68.	J
50-32-8	Benzo(a)Pyrene	120.	J
193-39-5	Indeno(1,2,3-cd)Pyrene	410.	U
53-70-3	Dibenzo(a,h)Anthracene	410.	U
191-24-2	Benzo(g,h,i)Perylene	~~410.~~	~~U~~ R
65-85-0	Benzoic Acid	2100.	U

(1) - Cannot be separated from diphenylamine

FORM I SV-2 1/87 Rev.





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Scale SCALE REFERENCE Feet

BASE MAP DIGITIZED FROM AERIAL PHOTOS DATED APRIL, 1992 BY MICHAEL BAKER JR. BEAVER, PA.

NYSEG	ENGINEERING SERVICES BINGHAMTON, N.Y.
TITLE	LOCATION MAP
	ITHACA COURT STREET MGP SITE
	CITY OF ITHACA
	TOMPKINS COUNTY, NEW YORK
SCALE : AS SHOWN	DWG NO FIGURE 1 REV
DATE : 11/09/99	

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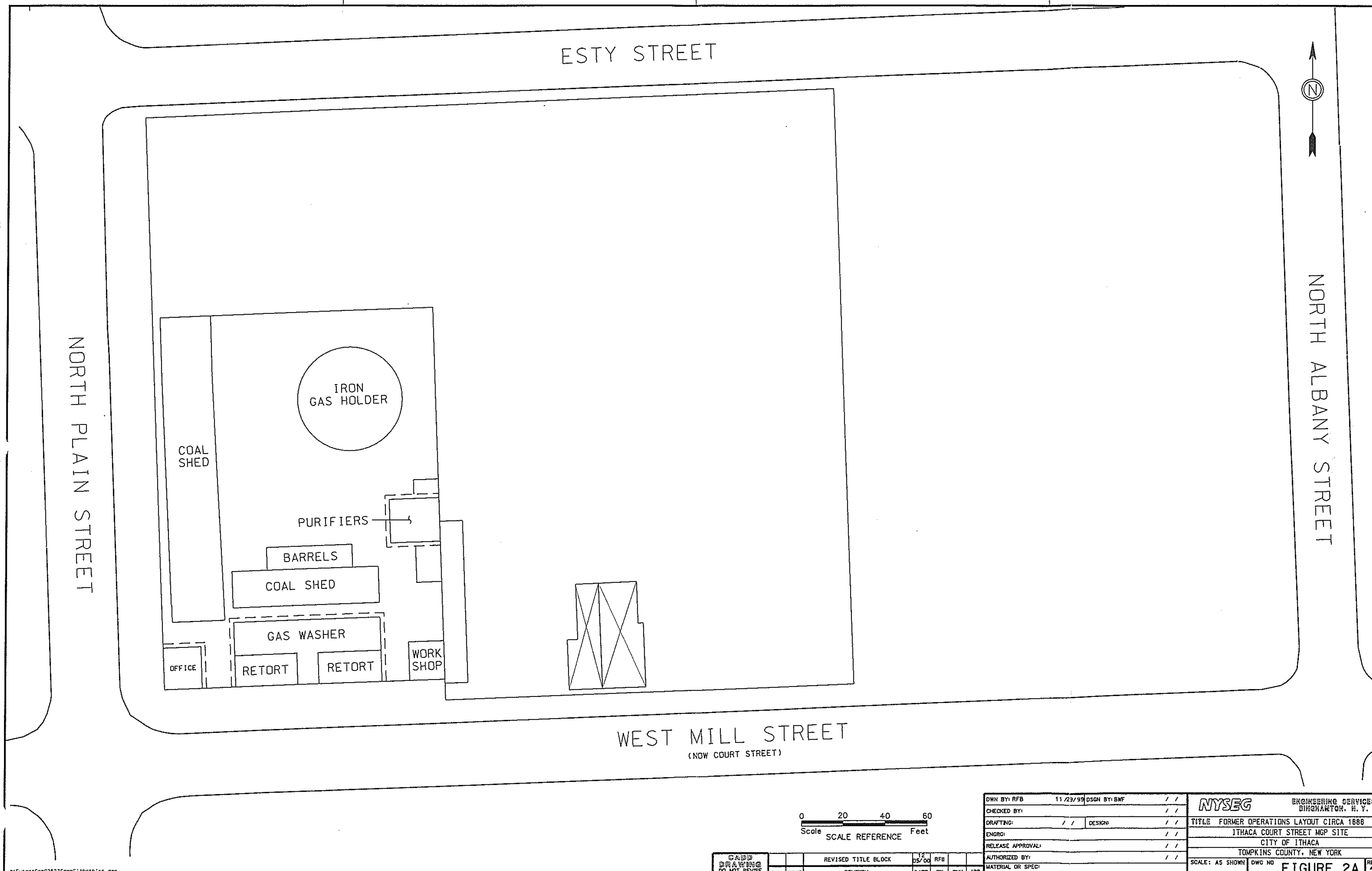
Date/Time Plotted: 16-DEC-1999 16:01



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	SYM	ZONE	REVISION	DATE	BY	CHK	APP

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ENGRG:			/ /
RELEASE APPROVAL:			/ /
AUTHORIZED BY:			/ /
MATERIAL OR SPEC:			

NYSEG ENGINEERING SERVICES BINGHAMTON, N. Y.

TITLE FORMER OPERATIONS LAYOUT CIRCA 1888
ITHACA COURT STREET MGP SITE
CITY OF ITHACA
TOMPKINS COUNTY, NEW YORK

SCALE: AS SHOWN | DWG NO FIGURE 2A | REV 1

Date/Time Plotted: 12-DEC-2000 10:32

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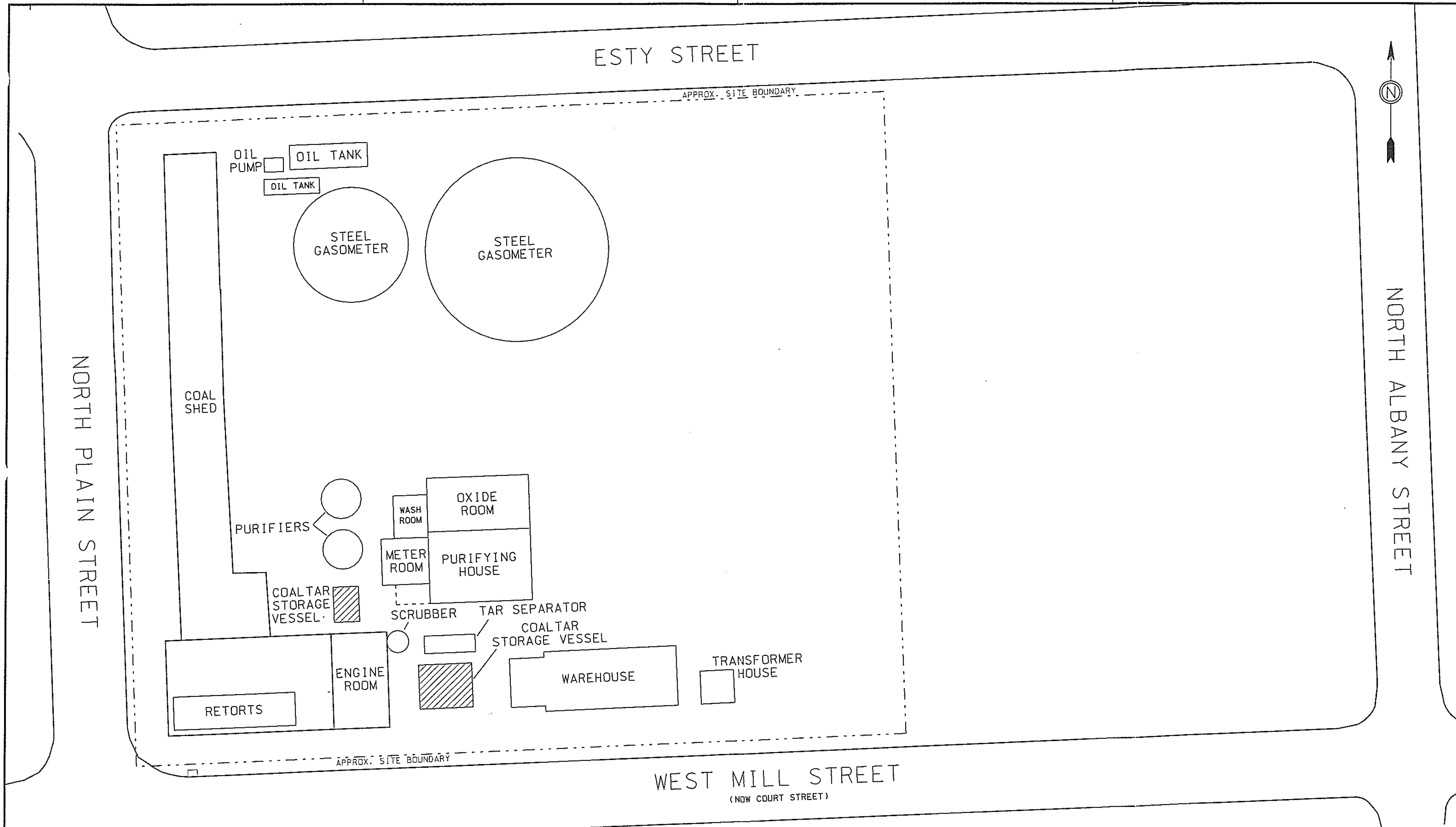

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Scale Feet
SCALE REFERENCE

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ENGRG:			/ /
RELEASE APPROVAL:			/ /
AUTHORIZED BY:			/ /
MATERIAL OR SPEC:			

NYSEG ENGINEERING SERVICES BINGHAMTON, N. Y.

TITLE FORMER OPERATIONS LAYOUT CIRCA 1919
ITHACA COURT STREET MGP SITE
CITY OF ITHACA
TOMPKINS COUNTY, NEW YORK

SCALE: AS SHOWN | DWG NO FIGURE 2B | REV 1

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NORTH PLAIN STREET

SCHOOL DISTRICT STORAGE AREA

SCHOOL DISTRICT OFFICES AND WORKSHOPS

SCHOOL DISTRICT GARAGE AND MAINTENANCE SHOP

OPEN PARK

COAL TAR CONCRETE STRUCTURE 1

AREA 1

COAL TAR CONCRETE STRUCTURE 2

AREA 2

MARKLES FLATS (COMMERCIAL TENENTS)

APPROX. SITE BOUNDARY

COURT STREET

MH

A

A

B

B

LEGEND

- IN SITU SOIL SAMPLING POINT
- SECTION A
- SECTION C

0 15 30 45
Scale SCALE REFERENCE Feet

CADD DRAWING DO NOT REVISE MANUALLY

SYM	ZONE	REVISION	DATE	BY	CHK	APP

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RELEASE APPROVAL:			/ /
AUTHORIZED BY:			/ /
MATERIAL OR SPEC:			

NYSEG ENGINEERING SERVICES BINGHAMTON, N. Y.

TITLE IN SITU SAMPLING
ITHACA COURT STREET MGP SITE
CITY OF ITHACA
TOMPKINS COUNTY, NEW YORK

SCALE AS SHOWN | DWG NO FIGURE 3A | REV

Date/Time Plotted: 20-DEC-1999 11:20

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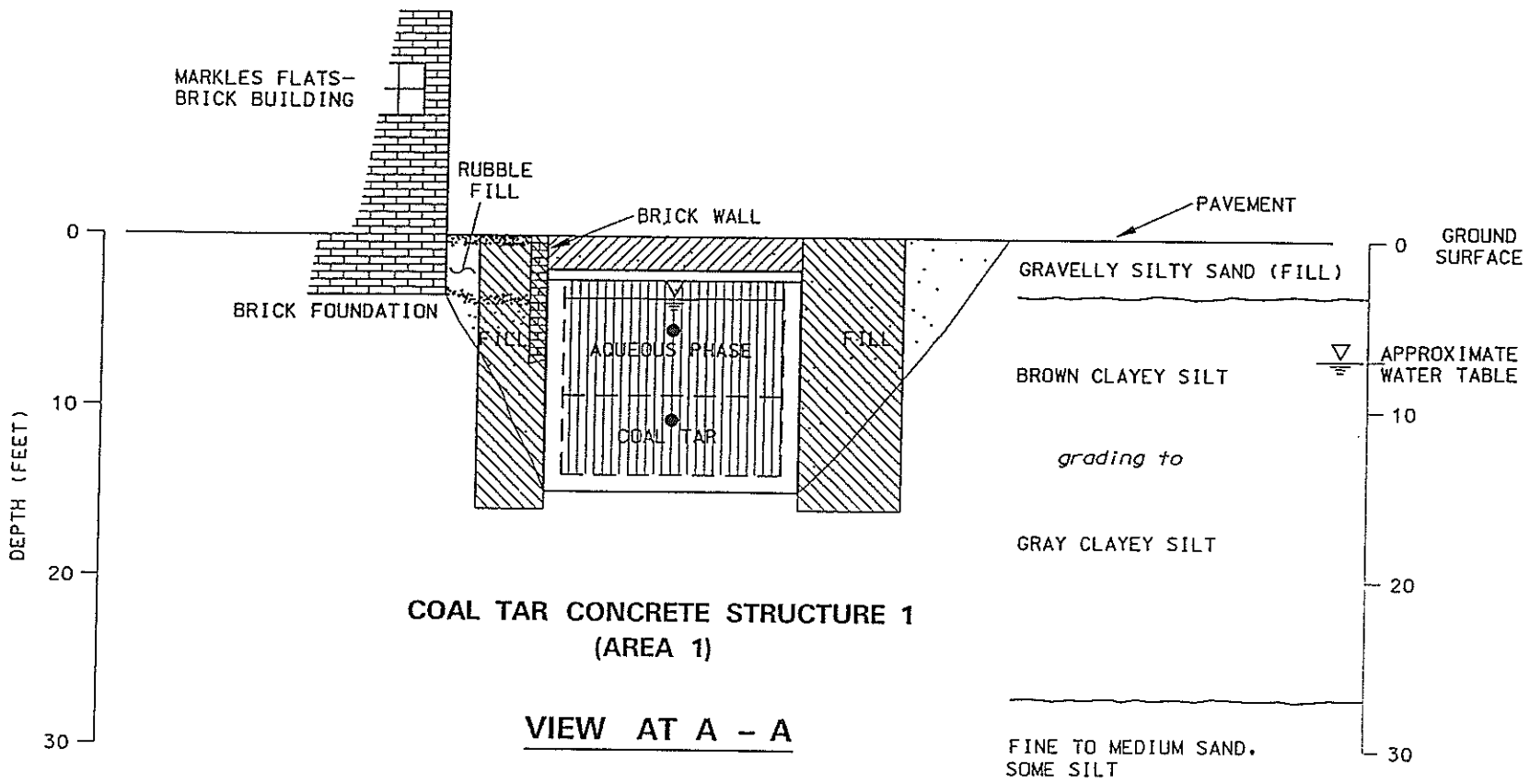
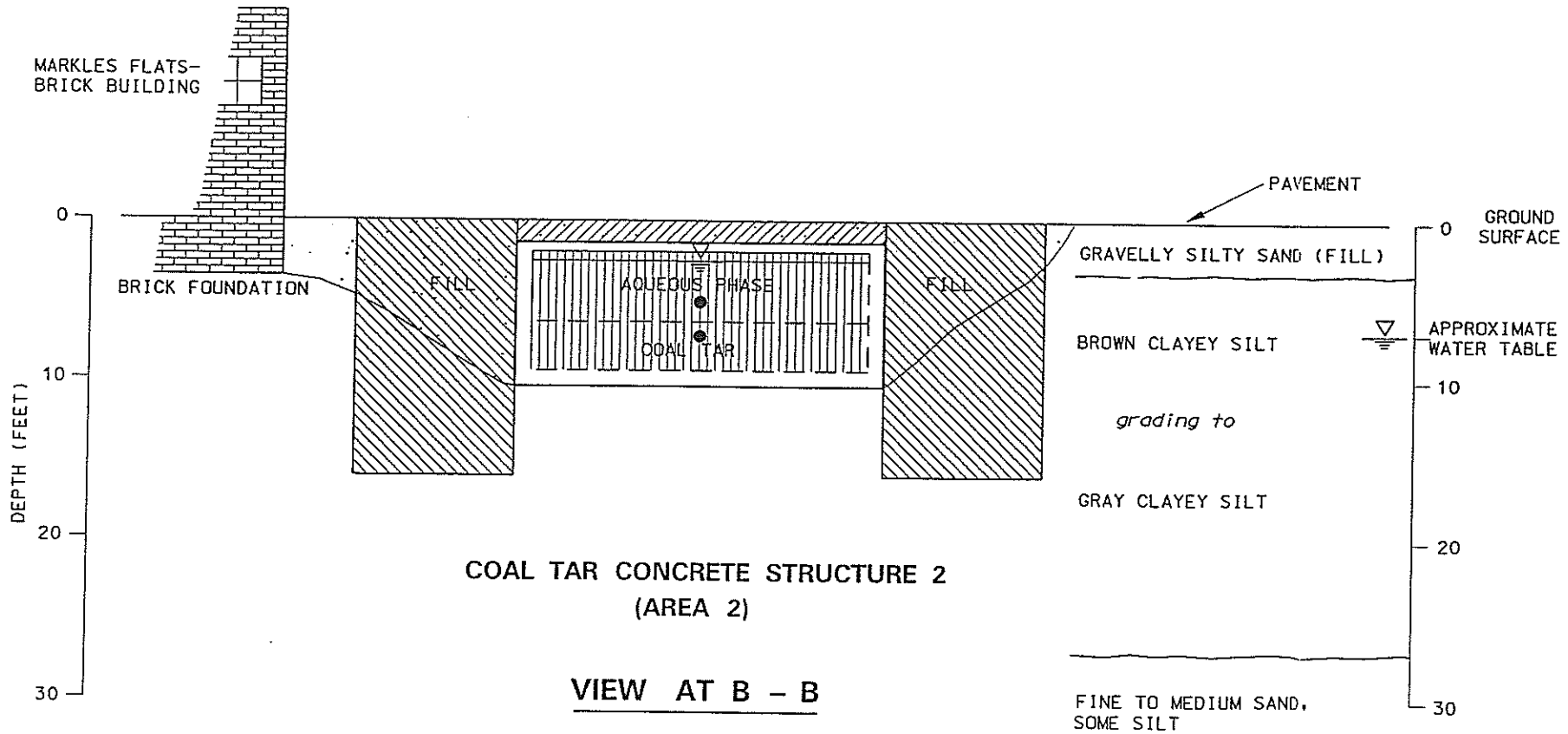


COAL TAR CONCRETE STRUCTURE 1
(AREA 1)

VIEW AT A – A

ITHACA COURT STREET FORMER MGP SITE SUBSURFACE TAR VESSELS			
CONTENTS	VESSEL 1 (7'Wx15'Lx12'D)	VESSEL 2 (20'Wx23'Lx8'D)	TOTAL
AQUEOUS PHASE	10,800 GAL	18,900 GAL	29,700 GAL
TAR/SLUDGE	3,800 GAL	5,200 GAL	9,000 GAL
TOTAL	14,600 GAL	24,100 GAL	38,700 GAL



COAL TAR CONCRETE STRUCTURE 2
(AREA 2)

VIEW AT B – B

LEGEND

- ● – INSITU SAMPLING POINT
- ▨ – SECTION A
- ▥ – SECTION B
- ▨ – SECTION C

NOTES:

- EXISTING GROUND SURFACE ASSUMED LEVEL.
- THE PROFILES DEPICTED ARE INTERPRETATIONS OF EXISTING SUBSURFACE CONDITIONS AT EXPLORATION LOCATIONS. ACTUAL CONDITIONS BETWEEN EXPLORATION POINTS MAY VARY.

0 5 10 15
Scale Feet
SCALE REFERENCE

DWN BY: RFB	12/09/99	DSGN BY:	/ /
CHECKED BY:			/ /
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AUTHORIZED BY:			/ /
MATERIAL OR SPEC:			

NYSEG ENGINEERING SERVICES BINGHAMTON, N.Y.

TITLE: IN SITU SAMPLING
ITHACA COURT STREET MGP SITE
CITY OF ITHACA
TOMPKINS COUNTY, NEW YORK

SCALE: AS SHOWN | DWG NO: FIGURE 3B | REV

CADD DRAWING DO NOT REVISE MANUALLY

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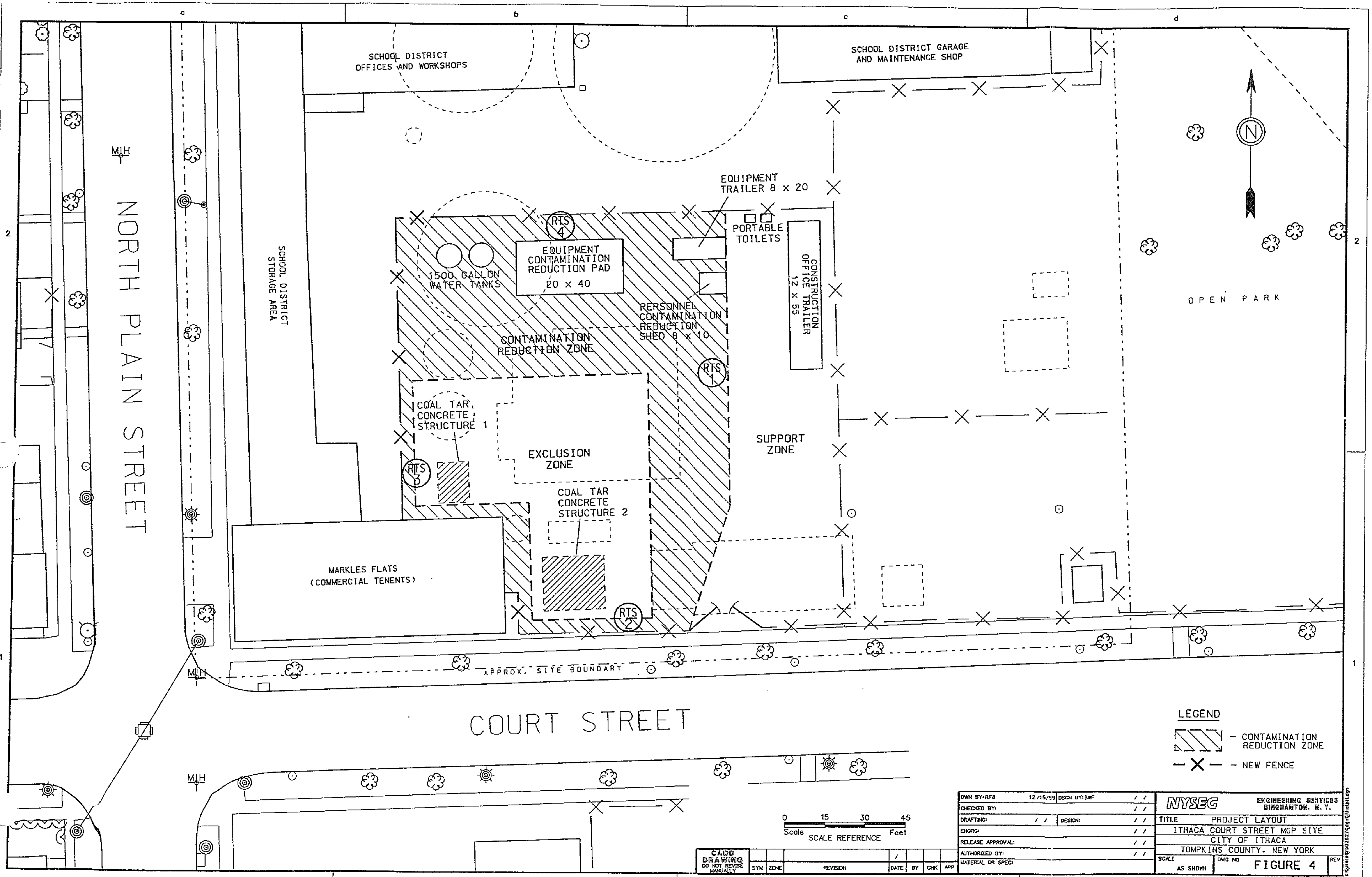
NORTH PLAIN STREET
COURT STREET
SCHOOL DISTRICT OFFICES AND WORKSHOPS
SCHOOL DISTRICT GARAGE AND MAINTENANCE SHOP
SCHOOL DISTRICT STORAGE AREA
MARKLES FLATS (COMMERCIAL TENENTS)
EQUIPMENT TRAILER 8 x 20
PORTABLE TOILETS
EQUIPMENT CONTAMINATION REDUCTION PAD 20 x 40
1500 GALLON WATER TANKS
PERSONNEL CONTAMINATION REDUCTION SHED 8 x 10
CONSTRUCTION OFFICE TRAILER 12 x 55
CONTAMINATION REDUCTION ZONE
COAL TAR CONCRETE STRUCTURE 1
COAL TAR CONCRETE STRUCTURE 2
EXCLUSION ZONE
SUPPORT ZONE
RTS 1
RTS 2
RTS 3
RTS 4
OPEN PARK
APPROX. SITE BOUNDARY
MH
N
LEGEND
- CONTAMINATION REDUCTION ZONE
- NEW FENCE
0 15 30 45
Scale Feet
SCALE REFERENCE
CADD DRAWING DO NOT REVISE MANUALLY
SYM ZONE REVISION DATE BY CHK APP
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RELEASE APPROVAL:
AUTHORIZED BY:
MATERIAL OR SPEC:
NYSEG ENGINEERING SERVICES BINGHAMTON, N. Y.
TITLE PROJECT LAYOUT
ITHACA COURT STREET MGP SITE
CITY OF ITHACA
TOMPKINS COUNTY, NEW YORK
SCALE AS SHOWN
DWG NO FIGURE 4
REV
Date/Time Plotted: 20-DEC-1999 11:17

NEW YORK STATE ELECTRIC & GAS CORPORATION
RESULTS OF EXCAVATION ENDPOINT CONFIRMATION SAMPLING
ITHACA COURT STREET FORMER MGP
INTERIM REMEDIAL MEASURES PROJECT

MAP NUMBER	SAMPLE ID	COLLECTION DATE	DEPTH BELOW EXISTING GRADE (ft)	TOTAL BENZENE (ppm)	TOTAL PAH (ppm)	TOTAL cPAH (ppm)	NAPHTHALENE (ppm)
1	ICVCSW0601	3/7/00	6	<0.006	0.244	0.244	<0.400
2	ICVCBM0302	3/7/00	3	<0.006	147.7	94.00	<12.00
3	ICVCBM0303	3/7/00	3	40.00	380.0	50.90	100.0

ppm means parts per million
PAH means Polycyclic Aromatic Hydrocarbons
cPAH means Carcinogenic Polycyclic Aromatic Hydrocarbons

NORTH PLAIN STREET

SCHOOL DISTRICT STORAGE AREA

38'

31'

WOODEN DUCT CUT & PLUGGED 2'- 8" BELOW GRADE

TOP WAS REMOVED

9'- 6"

REMOVED SCRUBBER

AREA EXCAVATED OUTSIDE OF STRUCTURES

REMOVED TAR SEPARATOR

12'-10"

9'-10"

COAL TAR CONCRETE STRUCTURE 1

MARKLES FLATS
(COMMERCIAL TENENTS)

3" PIPE CUT & PLUGGED 2'- 6" BELOW GRADE

2" PIPE CUT & PLUGGED 2'- 6" BELOW GRADE

3" PIPE CUT & PLUGGED 2'- 9" BELOW GRADE

TOP WAS REMOVED

COAL TAR CONCRETE STRUCTURE 2

APPROX. SITE BOUNDARY

M H

M H

TEST TRENCH (THE WOODEN DUCT THAT CONTINUES TO THE CAYUGA INLET SITE WAS NOT FOUND IN THIS AREA)

COURT STREET

● - CONFIRMATION SAMPLE POINT
▨ - EXCAVATION AREAS

0 10 20 30
Scale SCALE REFERENCE Feet

SYM	ZONE	REVISION	DATE	BY	CHK	APP
		ADDED EXCAVATION AREAS	02/4/01	RFB		

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ENGRG:			/ /
RELEASE APPROVAL:			/ /
AUTHORIZED BY:			/ /
MATERIAL OR SPEC:			

NYSEG ENGINEERING SERVICES BINGHAMTON, N. Y.

TITLE CONFIRMATION SAMPLING AND LIMITS OF EXCAVATION ITHACA COURT STREET MGP SITE CITY OF ITHACA

SCALE AS SHOWN | DWG NO FIGURE 5 | REV 1

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NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 1

Looking east, NYSEG was granted a City of Ithaca Street Notification, Permit Number 5745, to close sidewalk on north side of Court Street between North Plain Street and North Albany Street. This allowed pedestrians to cross Court Street at the crosswalks.

NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 2

Vacuum trucks were used to remove the water and tar from both structures 1 & 2. The water and tar was disposed at either Casie/Mart, Vineland, New Jersey or Norlite Corporation, Cohoes, New York.

NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 3

Real-time air monitoring was collected from the perimeter of the site using portable instrumentation in accordance with a periodic monitoring protocol. Real-time monitoring commenced at the start of each work day and continued until daily activities ceased.

NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 4

Looking southeast, structure 1 had a convex top. Worker is placing rails that will be used to guide the masonry saw.

NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 5

Looking southeast, the top of structure 1 was saw cut and removed. The contents of the structure were removed by a vacuum truck.

NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 6

Looking west, Structure 2 had a flat top. Holes were drilled through the top for cabling before lifting top off of structure.

NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 7

Looking west, once the top was removed from structure 2, the remaining liquid contents in the structure could be removed by vacuum trucks. The bottom solids were mixed with cement kiln dust and removed with an excavator.

NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 8

Looking west, as part of the IRM engineering controls polyethylene sheeting was used to cover the structures to control odors.

NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 9

Looking east, cement kiln dust was added to the tar for material handling at Casie/Mart thermal treatment facility.

NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 10
FEBRUARY 2000

Looking east, all of the water, free phase tar and sludge were removed from concrete structure 2. The sides and bottom of the structure was scrapped with the bucket of the excavator and washed using a power washer. The sides and bottom of the structure were in good condition, with no evidence of leakage.

NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 11
FEBRUARY 2000

Looking west, The concrete top of the structure was broken up into small pieces. The pieces were then cleaned using a power washer. With NYSDEC approval, the concrete was placed along the north side of structure 2. The structure was then filled with gravel.

NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 12
FEBRUARY 2000

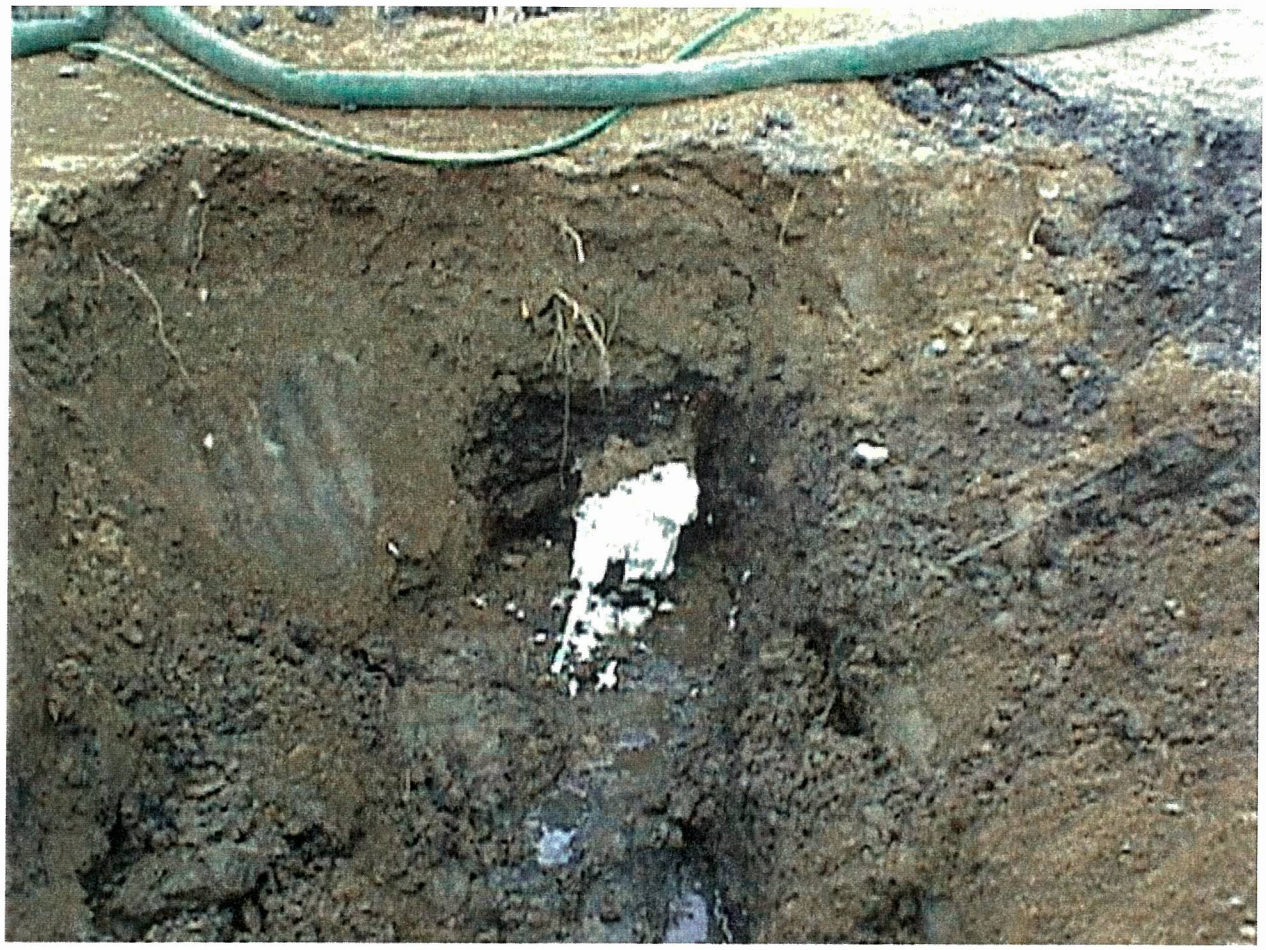
Looking east from the north east corner of the Markles Flats Building, This area is where the scrubber and tar separator was located. The scrubber, tar separator and contaminated soil was removed in this area.

NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 13
FEBRUARY 2000

Looking west, wooden duct (2'-8" below grade) was removed from the tar separator back to this location (31 feet north of the Markles Flats Building and 38 feet east of the maintenance area of the building). During this remediation project no wooden duct was discovered that lead to Court Street.

NYSEG



ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 14
FEBRUARY 2000

Looking west, prior to backfilling, the end of the wooden duct was plugged with a non shrinking grout.

NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 15
FEBRUARY 2000

Looking east, a trench was excavated along Structure 2 in an attempt to locate the wooden duct that continues west down Court Street to the Cayuga Inlet Coal Tar Site. There was no evidence that the wooden duct was located in this area. Since several utilities are located at the east end of the Markles Flats Building, the trench stopped approximately 6 feet from the building. It is unknown if the wooden duct was located in this area.

NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 16
MARCH 2000

Looking south, NYSEG removed asphalt that was damaged by heavy traffic of dump trailers and equipment. The asphalt and soil was disposed at Seneca Meadows Landfill. Gravel and stone was placed in this area for the Winter. In June 2000, asphalt was placed in the areas disturbed during the remediation project.

NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 17
MARCH 2000

Looking southeast, the edges of the asphalt was saw cut and gravel was placed and compacted. #1 stone was placed over the gravel until surface was prepared for paving in June 2000.

NYSEG

ITHACA COURT STREET
FORMER MANUFACTURED GAS PLANT
2000 REMEDIATION PROJECT
PHOTO NUMBER 18
MARCH 2000

Looking south, area of Structure 1, all edges of the asphalt was saw cut and gravel was placed and compacted. #1 stone was placed over the gravel temporarily until the surface was prepared again for paving in June 2000.