



Corporate Environmental Programs
General Electric Company
100 Woodlawn Avenue, Pittsfield, MA 01201

Transmitted via Overnight Courier

June 8, 2004

Mr. Michael Nalipinski
EPA Project Manager
U.S. Environmental Protection Agency
Region I
One Congress Street, Suite 1100
Boston, MA 02114-2023

Ms. Susan Steenstrup
Acting Section Chief, Special Projects
Bureau of Waste Site Cleanup
Department of Environmental Protection
436 Dwight Street
Springfield, MA 01103

Re: **GE-Pittsfield/Housatonic River Site**
Monthly Status Report Pursuant to Consent Decree for May 2004 (GEC900)

Dear Mr. Nalipinski and Ms. Steenstrup:

Enclosed are copies of General Electric's (GE's) monthly progress report for May 2004 activities conducted by GE at the GE-Pittsfield/Housatonic River Site. This monthly report is submitted pursuant to Paragraph 67 of the Consent Decree (CD) for this Site, which was entered by the U.S. District Court on October 27, 2000.

The enclosed monthly report includes not only the activities conducted by GE under the CD, but also other activities conducted by GE at the GE-Pittsfield/Housatonic River Site (as defined in the CD). The report is formatted to apply to the various areas of the Site as defined in the CD, and to provide for each area, the information specified in Paragraph 67 of the CD. The activities conducted specifically pursuant to or in connection with the CD are marked with an asterisk. GE is submitting a separate monthly report to the Massachusetts Department of Environmental Protection (MDEP), with a copy to the United States Environmental Protection Agency (EPA), describing the activities conducted by GE at properties outside the CD Site pursuant to GE's December 2000 Administrative Consent Order from MDEP.

The enclosed monthly report includes, where applicable, tables that list the samples collected during the subject month, summarize the analytical results received during that month from sampling or other testing activities, and summarize other groundwater monitoring and oil recovery information obtained during that month. Also enclosed for each of you (and for Weston) is a CD-ROM that contains these same tables of the analytical data and monitoring information in electronic form.

Please call Andrew Silfer or me if you have any questions.

Sincerely,

John F. Novotny, P.E.
Manager - Facilities and Brownfields Programs

Enclosures

V:\GE_Pittsfield_General\Reports\Monthly Reports\2004\05-04 CD Monthly\cover-ltr.doc

cc: Tim Conway, EPA (cover letter only)
Rose Howell, EPA (CD-ROM of Report)
Holly Inglis, EPA
Dean Tagliaferro, EPA
K.C. Mitkevicius, USACE (CD-ROM of Report)
Dawn Jamros, Weston (hard copy of report, CD-ROM of report, CD-ROM of data)
Thomas Angus, MDEP (cover letter only)
Robert Bell, MDEP (cover letter only)
Anna Symington, MDEP (cover letter only)
Nancy E. Harper, MA AG
Susan Peterson, CT DEP
Field Supervisor, US FWS, DOI
Kenneth Finkelstein, Ph.D., NOAA (Items 13 - 15 only)
Dale Young, MA EOE
Mayor James Ruberto, City of Pittsfield
Thomas Hickey, Director, Pittsfield Economic Development Authority
Richard Nasman, P.E., Berkshire Gas (CD-ROM of report)
Michael Carroll GE (CD-ROM of report)
Andrew Silber, GE (cover letter only)
Rod McLaren, GE (CD-ROM of report)
James Nuss, BBL
James Bieke, Shea & Gardner
Jim Rhea, QEA (narrative only)
Teresa Bowers, Gradient
Public Information Repositories (5 copies)
GE Internal Repository (2 copies)

(w/o separate CD-ROM, except where noted)

MAY 2004

MONTHLY STATUS REPORT
PURSUANT TO CONSENT DECREE
FOR
GE-PITTSFIELD/HOUSATONIC RIVER
SITE

GENERAL ELECTRIC COMPANY



PITTSFIELD, MASSACHUSETTS

Background

The General Electric Company (GE), the United States Environmental Protection Agency (EPA), the Massachusetts Department of Environmental Protection (MDEP), and other governmental entities have entered into a Consent Decree (CD) for the GE-Pittsfield/Housatonic River Site, which was entered by the U.S. Court on October 27, 2000. In accordance with Paragraph 67 of the CD, GE has prepared this monthly report, which summarizes the status of activities conducted by GE at the GE-Pittsfield/Housatonic River Site ("Site") (as defined in the CD).

This report covers activities in the areas listed below (as defined in the CD and/or the accompanying Statement of Work for Removal Actions Outside the River [SOW]). Only those areas that have had work activities for the month subject to reporting are included. The specific activities conducted pursuant to or in connection with the CD are noted with an asterisk.

General Activities (GECD900)

GE Plant Area (non-groundwater)

1. 20s, 30s, 40s Complexes (GECD120)
2. East Street Area 2 – South (GECD150)
3. East Street Area 2 – North (GECD140)
4. East Street Area 1 – North (GECD130)
5. Hill 78 and Building 71 Consolidation Areas (GECD210/220)
6. Hill 78 Area – Remainder (GECD160)
7. Unkamet Brook Area (GECD170)

Former Oxbow Areas (non-groundwater)

8. Former Oxbow Areas A & C (GECD410)
9. Lyman Street Area (GECD430)
10. Newell Street Area I (GECD440)
11. Newell Street Area II (GECD450)
12. Former Oxbow Areas J & K (GECD420)

Housatonic River

13. Upper ½-Mile Reach (GECD800)
14. 1½-Mile Reach (only for activities, if any, conducted by GE) (GECD820)
15. Rest of the River (GECD850)

Housatonic River Floodplain

16. Current Residential Properties Adjacent to 1½-Mile Reach (Actual/Potential Lawns) (GECD710)
17. Non-Residential Properties Adjacent to 1½-Mile Reach (excluding banks) (GECD720)
18. Current Residential Properties Downstream of Confluence (Actual/Potential Lawns) (GECD730)

Other Areas

19. Allendale School Property (GECD500)
20. Silver Lake Area (GECD600)

Groundwater Management Areas (GMAs)

21. Plant Site 1 (GECD310)
22. Former Oxbows J & K (GECD320)
23. Plant Site 2 (GECD330)
24. Plant Site 3 (GECD340)
25. Former Oxbows A&C (GECD350)

**GENERAL ACTIVITIES
GE-PITTSFIELD/HOUSATONIC RIVER SITE
(GEC900)
MAY 2004**

a. Activities Undertaken/Completed

Continued GE-EPA electronic data exchanges for the Housatonic River Watershed and Areas Outside the River.*

b. Sampling/Test Results Received

- Sample results were received for routine sampling conducted pursuant to GE's NPDES Permit for the GE facility. Sampling records and results are provided in Attachment A to this report.
- NPDES Discharge Monitoring Reports (DMRs) for the period of April 1 through April 30, 2004, are provided in Attachment B to this report.
- A report titled *Toxicity Evaluation of Wastewaters Discharged from the General Electric Plant; Pittsfield, Massachusetts (Samples Collected in May 2004)* was prepared for GE by CT&E Environmental Services, Inc (CT&E). A copy of that report is provided in Attachment C.

c. Work Plans/Reports/Documents Submitted

Submitted Annual Hazardous Waste Facility License Closure Cost Estimate Update to MDEP (May 7, 2004).

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

- Attend public, Pittsfield Citizens Coordinating Council (CCC), and Pittsfield Economic Development Authority (PEDA) meetings as appropriate.
- Continue NPDES sampling and monitoring activities.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received conditional approval letter from EPA for the January 2004 revisions to the *Field Sampling Plan/Quality Assurance Project Plan* (May 25, 2004).

**ITEM 1
PLANT AREA
20s, 30s, 40s COMPLEXES
(GEC120)
MAY 2004**

a. Activities Undertaken/Completed

- Continued discussions with EPA, MDEP, and PEDDA regarding land transfer issues for the 20s and 30s Complexes.*
- Continued discussions with holders of encumbrances at 20s and 30s Complexes regarding subordination agreements for Grants of Environmental Restrictions and Easements (EREs).*
- Conducted miscellaneous sampling as identified in Table 1-1.
- Continued pre-demolition activities at Buildings 42, 43, and 44.
- Completed demolition activities at Building 40B.
- Performed ambient air sampling for particulate matter around Building 40B during its demolition.
- Continued monitoring oil in Building 43 elevator shaft; no recoverable quantities were encountered.
- Sent letter to PEDDA regarding possible transfer of ownership of Woodlawn Avenue (May 6, 2004).

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted 80% completed draft of land survey for 20s, 30s and 40s Complexes (May 28, 2004).

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

- Continue discussions with EPA, MDEP, and PEDDA regarding land transfer issues for the 20s and 30s Complexes.*
- Continue discussions with encumbrance holders at 20s and 30s Complexes regarding subordination agreements for EREs.*
- Continue pre-demolition activities (including asbestos abatement) at Buildings 42, 43, and 44.

**ITEM 1
(cont'd)
PLANT AREA
20s, 30s, 40s COMPLEXES
(GEC120)
MAY 2004**

d. Upcoming Scheduled and Anticipated Activities (next six weeks) (cont'd)

- Submit report on additional sampling in 30s Complex (due on or before June 7, 2004).
- Provide response to MDEP's April 9, 2004 Notice of Responsibility (NOR) letter regarding oil observed in Building 43 elevator shaft (due by June 7, 2004).
- Submit building material characterization letter for Buildings 42, 43/43-A, and 44.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

**TABLE 1-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**20s, 30s, 40s COMPLEX
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
40's Complex Filtered Shower Water Drum	40'S-WATER-C1	5/7/04	Water	CT&E	PCB	5/12/04
40's Complex Liquid Removal Program	43-2-4-GLYCOL-1	4/27/04	Glycol	CT&E	GLYCOL	5/4/04
Building 31W Manhole Oil/Water Drum Sampling	31W-C0905-WATER-1	5/7/04	Water	CT&E	PCB	5/17/04
Gate 15 Guard Shack Building Sampling	GATE15-WALL-1	5/24/04	Brick/Cinderblock	CT&E	PCB	
Gate 15 Guard Shack Building Sampling	GATE15-WALL-C1	5/24/04	Brick/Cinderblock	CT&E	TCLP (Exclude Pest, Herb)	
Jackson Wipe Excavator Sampling Building 40B	345-BL-BUCKET-W-1	5/27/04	Wipe	CT&E	PCB	
Jackson Wipe Excavator Sampling Building 40B	345-BL-BUCKET-W-2	5/27/04	Wipe	CT&E	PCB	
Jackson Wipe Excavator Sampling Building 40B	345-BL-BUCKET-W-3	5/27/04	Wipe	CT&E	PCB	
Jackson Wipe Excavator Sampling Building 40B	345-BL-CLAW-W-1	5/27/04	Wipe	CT&E	PCB	
Jackson Wipe Excavator Sampling Building 40B	345-BL-CLAW-W-2	5/27/04	Wipe	CT&E	PCB	
Jackson Wipe Excavator Sampling Building 40B	345-BL-CLAW-W-3	5/27/04	Wipe	CT&E	PCB	
Jackson Wipe Excavator Sampling Building 40B	345-BL-TRACK-W-1	5/27/04	Wipe	CT&E	PCB	
Jackson Wipe Excavator Sampling Building 40B	345-BL-TRACK-W-10	5/27/04	Wipe	CT&E	PCB	
Jackson Wipe Excavator Sampling Building 40B	345-BL-TRACK-W-2	5/27/04	Wipe	CT&E	PCB	
Jackson Wipe Excavator Sampling Building 40B	345-BL-TRACK-W-3	5/27/04	Wipe	CT&E	PCB	
Jackson Wipe Excavator Sampling Building 40B	345-BL-TRACK-W-4	5/27/04	Wipe	CT&E	PCB	
Jackson Wipe Excavator Sampling Building 40B	345-BL-TRACK-W-5	5/27/04	Wipe	CT&E	PCB	
Jackson Wipe Excavator Sampling Building 40B	345-BL-TRACK-W-6	5/27/04	Wipe	CT&E	PCB	
Jackson Wipe Excavator Sampling Building 40B	345-BL-TRACK-W-7	5/27/04	Wipe	CT&E	PCB	
Jackson Wipe Excavator Sampling Building 40B	345-BL-TRACK-W-8	5/27/04	Wipe	CT&E	PCB	
Jackson Wipe Excavator Sampling Building 40B	345-BL-TRACK-W-9	5/27/04	Wipe	CT&E	PCB	
Ambient Air Particulate Matter Sampling	North of Bldg. 40B	5/4/04	Air	Berkshire Environmental	Particulate Matter	5/18/04
Ambient Air Particulate Matter Sampling	East of Bldg. 40B	5/4/04	Air	Berkshire Environmental	Particulate Matter	5/18/04
Ambient Air Particulate Matter Sampling	Background Location	5/4/04	Air	Berkshire Environmental	Particulate Matter	5/18/04
Ambient Air Particulate Matter Sampling	North of Bldg. 40B	5/6/04	Air	Berkshire Environmental	Particulate Matter	5/18/04
Ambient Air Particulate Matter Sampling	East of Bldg. 40B	5/6/04	Air	Berkshire Environmental	Particulate Matter	5/18/04
Ambient Air Particulate Matter Sampling	Background Location	5/6/04	Air	Berkshire Environmental	Particulate Matter	5/18/04
Ambient Air Particulate Matter Sampling	North of Bldg. 40B	5/7/04	Air	Berkshire Environmental	Particulate Matter	5/18/04
Ambient Air Particulate Matter Sampling	East of Bldg. 40B	5/7/04	Air	Berkshire Environmental	Particulate Matter	5/18/04
Ambient Air Particulate Matter Sampling	Background Location	5/7/04	Air	Berkshire Environmental	Particulate Matter	5/18/04
Ambient Air Particulate Matter Sampling	North of Bldg. 40B	5/10/04	Air	Berkshire Environmental	Particulate Matter	5/18/04
Ambient Air Particulate Matter Sampling	East of Bldg. 40B	5/10/04	Air	Berkshire Environmental	Particulate Matter	5/18/04
Ambient Air Particulate Matter Sampling	Background Location	5/10/04	Air	Berkshire Environmental	Particulate Matter	5/18/04

**TABLE 1-2
DATA RECEIVED DURING MAY 2004**

**40'S COMPLEX LIQUID REMOVAL PROGRAM
20s, 30s, 40s COMPLEX
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	43-2-4-GLYCOL-1 04/27/04
Ethylene Glycol		70000

Notes:

1. Sample was collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of Glycol.
2. Only detected constituents are summarized.

**TABLE 1-3
PCB DATA RECEIVED DURING MAY 2004**

**FILTERED SHOWER WATER DRUM SAMPLING
20s, 30s, 40s COMPLEX
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
40's-WATER-C1	5/7/2004	ND(0.00050)	0.0028	0.0028	0.0056

Notes:

1. Sample was collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

**TABLE 1-4
PCB DATA RECEIVED DURING MAY 2004**

**BUILDING 31W MANHOLE OIL/WATER DRUM SAMPLING
20s, 30s, 40s COMPLEX
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
31W-C0905-WATER-1	5/7/2004	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)

Notes:

1. Sample was collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

**TABLE 1-5
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING MAY 2004**

**BUILDING 40B DEMOLITION PROGRAM
 20s, 30s, 40s COMPLEX
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Date	Sampler Location	Average Site Concentration (mg/m³)	Background Site Concentration (mg/m³)	Average Period (Hours:Min)	Predominant Wind Direction
05/03/04 ¹	North of Building 40B East of Building 40B	NA	NA	NA	NA
05/04/04	North of Building 40B East of Building 40B	0.028* 0.018	0.004*	10:15 10:15	WNW
05/05/04 ¹	North of Building 40B East of Building 40B	NA	NA	NA	NA
05/06/04	North of Building 40B East of Building 40B	0.053* 0.017	0.013*	11:15 11:15	WSW
05/07/04	North of Building 40B East of Building 40B	0.044* 0.050	0.009*	10:45 10:45	WNW, W
05/10/04	North of Building 40B East of Building 40B	0.063* 0.024	0.013*	10:15 10:30	SSW, ESE
Notification Level		0.120			

Notes:

¹ Sampling was not performed due to precipitation/threat of precipitation.

NA - Not available.

* Measured with DR-2000. All others measured with pDR-1000.

Background monitoring location located inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street.

**ITEM 2
PLANT AREA
EAST STREET AREA 2 - SOUTH
(GEC150)
MAY 2004**

a. Activities Undertaken/Completed

- Conducted Liquid Phase Carbon Absorption (LPCA) sampling at Building 64G.
- Performed sludge sampling at Building 64T.
- Performed other miscellaneous sampling, as identified in Table 2-1.
- Continued discussions regarding ERE and subordination agreements for Future City Recreational Area (FCRA).*
- Conducted informal pre-certification inspection visit with EPA and MDEP at FCRA (May 20, 2004).*
- Continued field construction activities (punch list items) at FCRA.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

- Continue to conduct routine process sampling at Buildings 64G and 64T.
- Complete field construction activities (track surfacing) at FCRA.*
- Continue discussions regarding ERE and subordination agreements for FCRA.*
- Initiate pre-demolition activities at the 60s Complex.
- Submit Final Excavation Notification Report for emergency repair of fire main break southwest of Building 64.

**ITEM 2
(cont'd)
PLANT AREA
EAST STREET AREA 2 - SOUTH
(GECD150)
MAY 2004**

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

**TABLE 2-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Building 64 Tank J Sampling	64-TANKJ-OIL-1	5/7/04	Oil	CT&E	PCB, VOC	5/12/04
Building 64 Tank J Sampling	64-TANKJ-OIL-1	4/23/04	Oil	CT&E	PCB, VOC, SVOC, Total Metals,	5/4/04
Building 64G LPCA Monitoring	E4-64G-01	5/11/04	Water	CT&E	VOC	5/21/04
Building 64G LPCA Monitoring	E4-64G-02	5/11/04	Water	CT&E	SVOC	5/21/04
Building 64G LPCA Monitoring	E4-64G-03	5/11/04	Water	CT&E	PCB	5/21/04
Building 64G LPCA Monitoring	E4-64G-04	5/11/04	Water	CT&E	Oil & Grease	5/21/04
Building 64G LPCA Monitoring	E4-64G-05	5/11/04	Water	CT&E	VOC	5/21/04
Building 64G LPCA Monitoring	E4-64G-06	5/11/04	Water	CT&E	SVOC	5/21/04
Building 64G LPCA Monitoring	E4-64G-07	5/11/04	Water	CT&E	PCB	5/21/04
Building 64G LPCA Monitoring	E4-64G-08	5/11/04	Water	CT&E	Oil & Grease	5/21/04
Building 64G LPCA Monitoring	E4-64G-09	5/11/04	Water	CT&E	VOC	5/21/04
Building 64G LPCA Monitoring	E4-64G-10	5/11/04	Water	CT&E	SVOC	5/21/04
Building 64G LPCA Monitoring	E4-64G-11	5/11/04	Water	CT&E	PCB	5/21/04
Building 64G LPCA Monitoring	E4-64G-12	5/11/04	Water	CT&E	Oil & Grease	5/21/04
Building 64G LPCA Monitoring	E4-64G-13	5/11/04	Water	CT&E	VOC	5/21/04
Building 64G LPCA Monitoring	E4-64G-14	5/11/04	Water	CT&E	SVOC	5/21/04
Building 64G LPCA Monitoring	E4-64G-15	5/11/04	Water	CT&E	PCB	5/21/04
Building 64G LPCA Monitoring	E4-64G-16	5/11/04	Water	CT&E	Oil & Grease	5/21/04
Building 64T Sludge Sampling	E4-64T-01	5/2/04	Sludge	CT&E	PCB	5/11/04
East Building 64 Staging Area	Road-Sweep-Soil-1	5/7/04	Soil	CT&E	PCB	5/17/04

**TABLE 2-2
DATA RECEIVED DURING MAY 2004**

**BUILDING 64 TANK J SAMPLING
EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	64-TANKJ-OIL-1 04/23/04	64-TANKJ-OIL-1 05/07/04
Volatiles Organics			
Benzene		NA	4.9
Chlorobenzene		NA	28
Ethylbenzene		NA	21
Xylenes (total)		NA	12
PCBs			
Aroclor-1254		5.1	1900
Aroclor-1260		7.8	3800
Total PCBs		12.9	5700
Semivolatile Organics			
Naphthalene		1600 J	NA
Phenanthrene		690 J	NA
Inorganics			
Arsenic		1.60	NA
Barium		0.290	NA
Selenium		1.10	NA
Waste Characterization			
Flashpoint (°F)		>180	NA

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles, metals and flashpoint.
2. NA - Not Analyzed.
3. Only detected constituents are summarized.

Data Qualifiers:

Organics (PCBs, volatiles, semivolatiles)

J - Indicates an estimated value less than the practical quantitation limit (PQL).

**TABLE 2-3
PCB DATA RECEIVED DURING MAY 2004**

**BUILDING 64T SLUDGE SAMPLING
EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
E4-64T-01	5/2/2004	ND(5.6)	190	160	350

Notes:

1. Sample was collected by General Electric Company and submitted to CT&E Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

**TABLE 2-4
PCB DATA RECEIVED DURING MAY 2004**

**EAST BUILDING 64 STAGING AREA
EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
ROAD-SWEEP-SOIL-1	5/7/2004	ND(0.17)	0.80	1.7	2.5

Notes:

1. Sample was collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

**TABLE 2-5
DATA RECEIVED DURING MAY 2004**

**BUILDING 64G LPCA MONITORING
EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	E4-64G-01 05/11/04	E4-64G-02 05/11/04	E4-64G-03 05/11/04	E4-64G-04 05/11/04	E4-64G-05 05/11/04	E4-64G-06 05/11/04	E4-64G-07 05/11/04	E4-64G-08 05/11/04
Volatile Organics									
1,1,1-Trichloroethane		0.0063 J	NA	NA	NA	0.0050 J	NA	NA	NA
1,1-Dichloroethane		ND(0.010)	NA	NA	NA	ND(0.0050)	NA	NA	NA
Benzene		0.061	NA	NA	NA	ND(0.0050)	NA	NA	NA
Chlorobenzene		0.22	NA	NA	NA	0.0053	NA	NA	NA
Ethylbenzene		0.051	NA	NA	NA	ND(0.0050)	NA	NA	NA
PCBs-Unfiltered									
Aroclor-1254		NA	NA	0.00016	NA	NA	NA	ND(0.000065)	NA
Aroclor-1260		NA	NA	0.000038 J	NA	NA	NA	ND(0.000065)	NA
Total PCBs		NA	NA	0.000198	NA	NA	NA	ND(0.000065)	NA
Semivolatile Organics									
1,4-Dichlorobenzene		NA	0.0048 J	NA	NA	NA	ND(0.010)	NA	NA
Acenaphthene		NA	0.033	NA	NA	NA	ND(0.010)	NA	NA
bis(2-Ethylhexyl)phthalate		NA	0.0030 J	NA	NA	NA	ND(0.0081)	NA	NA
Fluorene		NA	0.0071 J	NA	NA	NA	ND(0.010)	NA	NA
Naphthalene		NA	0.027	NA	NA	NA	ND(0.010)	NA	NA
Conventionals									
Oil & Grease		NA	NA	NA	2.4 B	NA	NA	NA	ND(5.0)

**TABLE 2-5
DATA RECEIVED DURING MAY 2004**

**BUILDING 64G LPCA MONITORING
EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	E4-64G-09 05/11/04	E4-64G-10 05/11/04	E4-64G-11 05/11/04	E4-64G-12 05/11/04	E4-64G-13 05/11/04	E4-64G-14 05/11/04	E4-64G-15 05/11/04	E4-64G-16 05/11/04
Volatile Organics									
1,1,1-Trichloroethane		0.0045 J	NA	NA	NA	ND(0.0050)	NA	NA	NA
1,1-Dichloroethane		0.0026 J	NA	NA	NA	ND(0.0050)	NA	NA	NA
Benzene		ND(0.0050)	NA	NA	NA	ND(0.0050)	NA	NA	NA
Chlorobenzene		ND(0.0050)	NA	NA	NA	ND(0.0050)	NA	NA	NA
Ethylbenzene		ND(0.0050)	NA	NA	NA	ND(0.0050)	NA	NA	NA
PCBs-Unfiltered									
Aroclor-1254		NA	NA	ND(0.000065)	NA	NA	NA	ND(0.000065)	NA
Aroclor-1260		NA	NA	ND(0.000065)	NA	NA	NA	ND(0.000065)	NA
Total PCBs		NA	NA	ND(0.000065)	NA	NA	NA	ND(0.000065)	NA
Semivolatile Organics									
1,4-Dichlorobenzene		NA	ND(0.010)	NA	NA	NA	ND(0.010)	NA	NA
Acenaphthene		NA	ND(0.010)	NA	NA	NA	ND(0.010)	NA	NA
bis(2-Ethylhexyl)phthalate		NA	ND(0.0082)	NA	NA	NA	0.0027 J	NA	NA
Fluorene		NA	ND(0.010)	NA	NA	NA	ND(0.010)	NA	NA
Naphthalene		NA	ND(0.010)	NA	NA	NA	ND(0.010)	NA	NA
Conventionals									
Oil & Grease		NA	NA	NA	2.2 B	NA	NA	NA	ND(5.0)

Notes:

1. Samples were collected by General Electric Company, and were submitted to CT&E Environmental Services, Inc. for analysis of volatiles, PCBs, semivolatiles and oil & grease.
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. With the exception of conventional parameters only those constituents detected in one or more samples are summarized.

Data Qualifiers:

Organics and Conventional Parameters

- B - Analyte was also detected in the associated method blank.
- J - Indicates an estimated value less than the practical quantitation limit (PQL).

**ITEM 3
PLANT AREA
EAST STREET AREA 2-NORTH
(GEC140)
MAY 2004**

a. Activities Undertaken/Completed

- Tankered and transported 7,700 gallons of water from Building 9 and 5,400 gallons of water from Building 100 electrical manhole to Building 64G for treatment.
- Conducted waste drum solvent drum sampling at Building 12X.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

Submit Pre-Design Investigation Report (due by June 21, 2004).*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 3-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004

EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Building 12X Waste Solvent Drum Sampling	12X-F0481-SOLVENT-1	5/7/04	Solvent Liquid	CT&E	PCB	5/12/04

**TABLE 3-2
PCB DATA RECEIVED DURING MAY 2004**

**BUILDING 12X WASTE SOLVENT DRUM SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
12X-F0481-SOLVENT-1	5/7/2004	ND(0.25)	2.9	0.69	3.59

Notes:

1. Sample was collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

**ITEM 4
PLANT AREA
EAST STREET AREA 1-NORTH
(GEC130)
MAY 2004**

a. Activities Undertaken/Completed

Continued discussions regarding EREs and subordination agreements for GE-owned properties at this area.*

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

- Continue discussions with holders of encumbrances on GE properties regarding subordination agreements.*
- Submit executed EREs and subordination agreements for GE properties.*
- Send notices to holders of encumbrances on Parcel K11-1-15 that a Conditional Solution was implemented at the portion of that property within East Street Area 1-North.*
- Conduct pre-certification inspection of this RAA with EPA and MDEP.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

**ITEM 5
PLANT AREA
HILL 78 & BUILDING 71 CONSOLIDATION AREAS
(GEC210/220)
MAY 2004**

* All activities described below for this item were conducted pursuant to the Consent Decree.

a. Activities Undertaken/Completed

- Conducted ambient air monitoring for PCBs and particulate matter (as identified in Table 5-1).
- Continued transfer of leachate from Building 71 On-Plant Consolidation Area (OPCA) to Building 64G for treatment. The total amount transferred in May 2004 was 164,500 gallons (see Table 5-4).
- Transferred Building 40B demolition debris, soil and debris from Newell Street Area I, and soil and sediment from 1½-Mile Reach of the River to the OPCAs.
- Transferred approximately 3,000 cubic yards of soil from Hill 78 OPCA cell to Building 71 OPCA cell for use as “first lift” material in the new cell (May 12 & 13, 2004).

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

Continue transfer of building demolition debris and excavated material from 1½ Mile Reach and the Newell Street Area I removal activities to the OPCAs.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

**TABLE 5-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	North of OPCAs	5/12/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	5/12/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	5/12/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	5/12/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	West of OPCAs	5/12/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Background Location	5/12/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	North of OPCAs	5/13/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	5/13/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	5/13/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	5/13/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	West of OPCAs	5/13/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Background Location	5/13/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	North of OPCAs	5/14/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	5/14/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	5/14/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	5/14/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	West of OPCAs	5/14/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Background Location	5/14/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	North of OPCAs	5/17/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	5/17/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	5/17/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	5/17/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	West of OPCAs	5/17/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Background Location	5/17/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	North of OPCAs	5/18/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	5/18/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	5/18/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	5/18/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	West of OPCAs	5/18/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Background Location	5/18/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	North of OPCAs	5/19/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	5/19/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	5/19/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	5/19/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	West of OPCAs	5/19/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Background Location	5/19/04	Air	Berkshire Environmental	Particulate Matter	5/25/04

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**TABLE 5-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	North of OPCAs	5/20/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	5/20/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	5/20/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	5/20/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	West of OPCAs	5/20/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Background Location	5/20/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	North of OPCAs	5/21/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	5/21/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	5/21/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	5/21/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	West of OPCAs	5/21/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Background Location	5/21/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	North of OPCAs	5/25/04	Air	Berkshire Environmental	Particulate Matter	6/3/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	5/25/04	Air	Berkshire Environmental	Particulate Matter	6/3/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	5/25/04	Air	Berkshire Environmental	Particulate Matter	6/3/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	5/25/04	Air	Berkshire Environmental	Particulate Matter	6/3/04
Ambient Air Particulate Matter Sampling	West of OPCAs	5/25/04	Air	Berkshire Environmental	Particulate Matter	6/3/04
Ambient Air Particulate Matter Sampling	Background Location	5/25/04	Air	Berkshire Environmental	Particulate Matter	6/3/04
Ambient Air Particulate Matter Sampling	North of OPCAs	5/27/04	Air	Berkshire Environmental	Particulate Matter	6/3/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	5/27/04	Air	Berkshire Environmental	Particulate Matter	6/3/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	5/27/04	Air	Berkshire Environmental	Particulate Matter	6/3/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	5/27/04	Air	Berkshire Environmental	Particulate Matter	6/3/04
Ambient Air Particulate Matter Sampling	West of OPCAs	5/27/04	Air	Berkshire Environmental	Particulate Matter	6/3/04
Ambient Air Particulate Matter Sampling	Background Location	5/27/04	Air	Berkshire Environmental	Particulate Matter	6/3/04
PCB Ambient Air Sampling	Southwest of OPCAs	05/14 - 05/15/04	Air	Berkshire Environmental	PCB	5/25/04
PCB Ambient Air Sampling	Southwest of OPCAs colocated	05/14 - 05/15/04	Air	Berkshire Environmental	PCB	5/25/04
PCB Ambient Air Sampling	West of OPCAs	05/14 - 05/15/04	Air	Berkshire Environmental	PCB	5/25/04
PCB Ambient Air Sampling	North of OPCAs	05/14 - 05/15/04	Air	Berkshire Environmental	PCB	5/25/04
PCB Ambient Air Sampling	Southeast of OPCAs	05/14 - 05/15/04	Air	Berkshire Environmental	PCB	5/25/04
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	05/14 - 05/15/04	Air	Berkshire Environmental	PCB	5/25/04
PCB Ambient Air Sampling	Background Inside GE Gate 31	05/14 - 05/15/04	Air	Berkshire Environmental	PCB	5/25/04

**TABLE 5-2
AIR SAMPLE DATA RECEIVED DURING MAY 2004**

**PCB AMBIENT AIR CONCENTRATIONS
HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Date	Southwest of OPCAs ($\mu\text{g}/\text{m}^3$)	Southwest of OPCAs collocated ($\mu\text{g}/\text{m}^3$)	West of OPCAs ($\mu\text{g}/\text{m}^3$)	North of OPCAs ($\mu\text{g}/\text{m}^3$)	Southeast of OPCAs ($\mu\text{g}/\text{m}^3$)	Pittsfield Generating (PGE) ($\mu\text{g}/\text{m}^3$)	Background Inside GE Gate 31 ($\mu\text{g}/\text{m}^3$)
05/14 - 05/15/04	0.0019	0.0013	0.0065	0.0017	0.0013	0.0040	0.0038
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05	0.05

**TABLE 5-3
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING MAY 2004**

**PARTICULATE AMBIENT AIR CONCENTRATIONS
 HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Date	Sampler Location	Average Site Concentration (mg/m³)	Background Site Concentration (mg/m³)	Average Period (Hours:Min)	Predominant Wind Direction
05/03 - 05/07/04 ¹	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	NA	NA	NA	NA
05/10/04 ¹	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	NA	NA	NA	NA
05/11/04 ¹	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	NA	NA	NA	NA
05/12/04	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	0.010 0.025* 0.049 0.015* 0.015	0.008*	10:45 10:45 10:45 10:45 11:00	WNW
05/13/04	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	0.029 0.028* 0.066 0.030* 0.034	0.023*	10:00 10:00 10:00 10:00 10:00	ESE, SE
05/14/04	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	0.041 0.048* 0.073 0.045* 0.039	0.034*	11:30 11:30 11:30 11:15 11:30	SW, SSW
05/17/04	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	0.021 0.010* 0.058 0.011* 0.019	0.007*	10:30 10:30 10:30 10:30 10:45	SW
05/18/04	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	0.044 0.027* 0.060 0.024* 0.030	0.027*	2:00 ² 2:00 ² 2:00 ² 2:00 ² 2:00 ²	SW
05/19/04	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	0.010 0.006* 0.040 0.007* 0.008	0.004*	11:00 10:45 10:45 11:00 11:00	NNW, N

**TABLE 5-3
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING MAY 2004**

**PARTICULATE AMBIENT AIR CONCENTRATIONS
 HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Date	Sampler Location	Average Site Concentration (mg/m³)	Background Site Concentration (mg/m³)	Average Period (Hours:Min)	Predominant Wind Direction
05/20/04	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	0.015 0.012* 0.045 0.010* 0.013	0.011*	10:15 10:15 10:15 10:15 10:15	SSW
05/21/04	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	0.032 0.026* 0.068 0.026* 0.024	0.021*	10:30 10:30 10:30 10:30 10:30	NW
05/24/04 ³	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	NA	NA	NA	NA
05/25/04	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	0.006 0.007* 0.002 0.009* 0.000	0.004*	10:00 10:00 10:00 10:00 10:00	WNW, WSW
05/26/04 ³	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	NA	NA	NA	NA
05/27/04	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	0.012 0.015* 0.016 0.016* 0.021	0.012*	10:00 10:00 10:00 10:00 10:00	W
05/28/04 ³	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	NA	NA	NA	NA
05/31/04 ⁴	North of OPCAs Pittsfield Generating Co. Southeast of OPCAs Southwest of OPCAs West of OPCAs	NA	NA	NA	NA
Notification Level		0.120			

Notes:

NA - Not Available.

* Measured with DR-2000. All others measured with pDR-1000.

Background monitoring location inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street.

¹ At the request of GE, sampling was not performed due to lack of site activity.

² Sampling period was shortened due to precipitation/threat of precipitation.

³ Sampling was not performed due to precipitation/threat of precipitation.

⁴ Sampling was not performed due to lack of site activity on the Memorial Day holiday.

TABLE 5-4
BUILDING 71 CONSOLIDATION AREA LEACHATE TRANSFER SUMMARY
PLANT AREA - HILL 78 & BUILDING 71 CONSOLIDATION AREAS
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004

Month / Year	Total Volume of Leachate Transferred (Gallons)
May 2003	68,000
June 2003	65,000
July 2003	53,000
August 2003	122,500
September 2003	94,000
October 2003	84,000
November 2003	86,500
December 2003	102,500
January 2004	35,000
February 2004	30,000
March 2004	98,000
April 2004	107,000
May 2004	164,500

Note:

Leachate is transferred from the Building 71 On-Plant Consolidation Area to Building 64G for treatment.

**ITEM 6
PLANT AREA
HILL 78 AREA - REMAINDER
(GECD160)
MAY 2004**

a. Activities Undertaken/Completed

Conducted miscellaneous sampling (as identified in Table 6-1).

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

Following EPA approval of Pre-Design Investigation Work Plan, initiate pre-design soil sampling.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

**TABLE 6-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**HILL 78 AREA-REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Building 78 Tyler Street Extension Gate Excavated Soil	78-TEG-PILE1-1	5/21/04	Soil	CT&E	PCB	5/28/04
Building 78 Tyler Street Extension Gate Excavated Soil	78-TEG-PILE1-2	5/21/04	Soil	CT&E	PCB	5/28/04
Building 78 Tyler Street Extension Gate Excavated Soil	78-TEG-PILE1-3	5/21/04	Soil	CT&E	PCB	5/28/04
Building 78 Tyler Street Extension Gate Excavated Soil	78-TEG-PILE1-4	5/21/04	Soil	CT&E	PCB	5/28/04
Building 78 Tyler Street Extension Gate Excavated Soil	78-TEG-PILE1-5	5/21/04	Soil	CT&E	PCB	5/28/04
Building 78 Tyler Street Extension Gate Excavated Soil	78-TEG-PILE2-1	5/21/04	Soil	CT&E	PCB	5/28/04
Building 78 Tyler Street Extension Gate Excavated Soil	78-TEG-PILE2-2	5/21/04	Soil	CT&E	PCB	5/28/04
Building 78 Tyler Street Extension Gate Excavated Soil	78-TEG-PILE2-3	5/21/04	Soil	CT&E	PCB	5/28/04
Building 78 Tyler Street Extension Gate Excavated Soil	78-TEG-PILE2-4	5/21/04	Soil	CT&E	PCB	5/28/04
Renau Bucket Decon Re-Wipe Sampling	RENAU-BUCKET-W3-R3	5/28/04	Wipe	CT&E	PCB	
Renau Loader Bucket Decon Re-Wipe Sampling	RENAU-BUCKET-W3-R1	5/10/04	Wipe	CT&E	PCB	5/12/04
Renau Loader Bucket Decon Wipe Sampling	RENAU-BUCKET-W1	5/5/04	Wipe	CT&E	PCB	5/7/04
Renau Loader Bucket Decon Wipe Sampling	RENAU-BUCKET-W2	5/5/04	Wipe	CT&E	PCB	5/7/04
Renau Loader Bucket Decon Wipe Sampling	RENAU-BUCKET-W3	5/5/04	Wipe	CT&E	PCB	5/7/04
Renau Loader Bucket Re-Wipe Sampling	RENAU-BUCKET-W3-R2	5/14/04	Wipe	CT&E	PCB	5/20/04

**TABLE 6-2
PCB DATA RECEIVED DURING MAY 2004**

**RENAU LOADER BUCKET DECON WIPE AND RE-WIPE SAMPLING
HILL 78 AREA-REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in mg/100cm²)**

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
RENAU-BUCKET-W1	5/5/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RENAU-BUCKET-W2	5/5/2004	ND(1.0)	ND(1.0)	1.4	1.4
RENAU-BUCKET-W3	5/5/2004	ND(1.0)	ND(1.0)	11	11
RENAU-BUCKET-W3-R1	5/10/2004	ND(1.0)	ND(1.0)	18	18
RENAU-BUCKET-W3-R2	5/14/2004	ND(1.0)	10	1.6	11.6

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of
2. PCBs.

ND - Analyte was not detected. The number in parentheses is the associated detection limit.

**TABLE 6-3
PCB DATA RECEIVED DURING MAY 2004**

**BUILDING 78 TYLER STREET EXTENSION GATE EXCAVATED SOIL SAMPLING
HILL 78 AREA-REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248, -1254	Aroclor-1254	Aroclor-1260	Total PCBs
78-TEG-PILE1-1	5/21/2004	ND(36)	ND(36)	1000	1000
78-TEG-PILE1-2	5/21/2004	ND(0.18)	ND(0.18)	2.4	2.4
78-TEG-PILE1-3	5/21/2004	ND(0.038)	ND(0.038)	0.22	0.22
78-TEG-PILE1-4	5/21/2004	ND(0.36)	ND(0.36)	7.0	7.0
78-TEG-PILE1-5	5/21/2004	ND(0.72)	ND(0.72)	11	11
78-TEG-PILE2-1	5/21/2004	ND(9.3)	ND(9.3)	140	140
78-TEG-PILE2-2	5/21/2004	ND(3.8)	ND(3.8)	49	49
78-TEG-PILE2-3	5/21/2004	ND(20)	ND(20)	330	330
78-TEG-PILE2-4	5/21/2004	ND(9.8)	ND(9.8)	150	150

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

**ITEM 7
PLANT AREA
UNKAMET BROOK AREA
(GEC170)
MAY 2004**

a. Activities Undertaken/Completed

- Continued pre-design investigation soil sampling.*
- Received Technical Report from MDEP dated April 14, 2004 on Pittsfield airplane accident (MADEP-04025) (May 21, 2004).
- Conducted other miscellaneous sampling as identified in Table 7-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

- Continue pre-design investigation soil sampling.*
- Following EPA approval of additional sampling proposed in Interim Pre-Design Investigation Report, conduct such additional sampling.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

**TABLE 7-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Beaver Dam Debris Roll-Off Sampling	ROLLOFF#3011-BD-1	5/7/04	NA	Solid	CT&E	PCB	5/12/04
Beaver Dam Debris Roll-Off Sampling	ROLLOFF#3011-BD-2	5/7/04	NA	Solid	CT&E	PCB	5/12/04
Beaver Dam Debris Roll-Off Sampling	ROLLOFF#3011-BD-3	5/7/04	NA	Solid	CT&E	PCB	5/12/04
Building 119W Oil/Water Separator Filter Material Sampling	BLD119W-HEEL-1	4/21/04	NA	Sludge/Liquid	CT&E	PCB, Metals, VOC, SVOC, Flashpoint	5/10/04
Building 59 (Plastics) Fire Main Soil Sampling	59-FMR-SOIL-1	5/21/04	NA	Soil	CT&E	PCB	5/26/04
Building 59 (Plastics) Fire Main Soil Sampling	59-FMR-SOIL-2	5/21/04	NA	Soil	CT&E	PCB	5/26/04
Building 59 (Plastics) Fire Main Soil Sampling	59-FMR-SOIL-3	5/21/04	NA	Soil	CT&E	PCB	5/26/04
Oil Drum Sampling at Plastics 51-21 Hut	78-E0498-OIL-1	4/23/04	NA	Oil	CT&E	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	5/4/04
Plastics 51-21 Hut Oil Sampling	78-E0498-Oil-1	5/6/04	NA	Oil	CT&E	VOC	5/11/04
Pre-Design Soil Investigation Sampling	RAA10-DUP-53 (RAA10-N-AA24)	5/11/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-DUP-54 (RAA10-N-CC22)	5/12/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-DUP-55 (RAA10-E-O20)	5/13/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-DUP-56 (RAA10-E-I20)	5/17/04	0-1	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-DUP-57 (RAA10-E-I20)	5/17/04	0-1	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-DUP-58 (RAA10-E-H23)	5/18/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-DUP-59 (RAA10-E-H18)	5/19/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-DUP-60 (RAA10-E-F21)	5/19/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-DUP-61 (RAA10-E-B22)	5/20/04	1-3	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-DUP-62 (RAA10-E-B22)	5/20/04	1-3	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-DUP-63 (RAA10-E-B24)	5/25/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-DUP-64 (RAA10-E-D27)	5/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-DUP-65 (RAA10-E-L22)	5/27/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-DUP-66 (RAA10-E-L22)	5/27/04	8-10	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-DUP-67 (RAA10-E-L28)	5/28/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-A21	5/20/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-A22	5/26/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-B21	5/20/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-B22	5/20/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-B22	5/20/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-B22	5/20/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-B22	5/20/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-B23	5/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-B24	5/25/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-B24	5/25/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-B24	5/25/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-B24	5/25/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-C20	5/20/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-C21	5/20/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-C22	5/20/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-C23	5/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-C24	5/26/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-C25	5/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-C26	5/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-D21	5/20/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-D22	5/20/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-D22	5/20/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-D22	5/20/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-D22	5/20/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-D23	5/17/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-D24	5/17/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-D24	5/17/04	3-6	Soil	CT&E	PCB	

**TABLE 7-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation Sampling	RAA10-E-D24	5/17/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-D24	5/17/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-D25	5/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-D26	5/26/04	3-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-D26	5/26/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-D26	5/26/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-D26	5/26/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-D26	5/26/04	4-5	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-D26	5/26/04	8-10	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-D27	5/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-E19	5/19/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-E20	5/20/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-E21	5/20/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-E22	5/17/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-E23	5/17/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-E24	5/17/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-E25	5/18/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-E26	5/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-E27	5/27/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-E28	5/27/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-F19	5/19/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-F20	5/20/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-F20	5/20/04	3-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-F20	5/20/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-F20	5/20/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-F20	5/20/04	4-6	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-F20	5/20/04	6-8	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-F21	5/19/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-F25	5/18/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-F26	5/25/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-F26	5/25/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-F26	5/25/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-F26	5/25/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-F27	5/27/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-F28	5/25/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-F28	5/25/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-F28	5/25/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-F28	5/25/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-F28	5/25/04	6-8	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-G19	5/19/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-G20	5/19/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-G21	5/19/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-G24	5/18/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-G25	5/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-G26	5/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-G27	5/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-G28	5/26/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-G29	5/27/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H18	5/19/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H18	5/19/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H18	5/19/04	3-6	Soil	CT&E	PCB	

**TABLE 7-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation Sampling	RAA10-E-H18	5/19/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H19	5/17/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H21	5/17/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H23	5/18/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H24	5/18/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H24	5/18/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H24	5/18/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H24	5/18/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H25	5/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H26	5/26/04	3-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-H26	5/26/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-H26	5/26/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-H26	5/26/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-H26	5/26/04	4-6	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-H26	5/26/04	8-10	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-H27	5/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H28	5/27/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H28	5/27/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H28	5/27/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H28	5/27/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-H29	5/27/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-I18	5/19/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-I19	5/17/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-I20	5/17/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-I21	5/17/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-I23	5/18/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-I24	5/27/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-I25	5/27/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-I26	5/27/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-I27	5/27/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-I28	5/27/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-I29	5/27/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-I30	5/27/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-J17	5/19/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-J18	5/17/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-J18	5/17/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-J18	5/17/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-J18	5/17/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-J22	5/25/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-J22	5/25/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-J22	5/25/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-J22	5/25/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-J24	5/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-J24	5/26/04	3-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-J24	5/26/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-J24	5/26/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-J24	5/26/04	10-12	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-J24	5/26/04	4-6	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-J26	5/25/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-J26	5/25/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-J26	5/25/04	3-6	Soil	CT&E	PCB	

**TABLE 7-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation Sampling	RAA10-E-J26	5/25/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-J28	5/27/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-J28	5/27/04	3-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-J28	5/27/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-J28	5/27/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-J28	5/27/04	4-6	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-J28	5/27/04	6-8	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-J29	5/27/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-K16	5/19/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-K17	5/19/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-K18	5/17/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-L16	5/18/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-L16	5/18/04	3-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-L16	5/18/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-L16	5/18/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-L16	5/18/04	10-12	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-L16	5/18/04	4-6	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-L17	5/17/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-L22	5/27/04	3-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-L22	5/27/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-L22	5/27/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-L22	5/27/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-L22	5/27/04	4-6	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-L22	5/27/04	8-10	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-L24	5/10/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-L24	5/10/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-L24	5/10/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-L24	5/10/04	3-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-L24	5/10/04	4-6	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-L26	5/10/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-L26	5/10/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-L26	5/10/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-L26	5/10/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-L28	5/28/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-L28	5/28/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-L28	5/28/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-M15	5/13/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-M16	5/13/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-M17	5/17/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-N15	5/19/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-N16	5/18/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-N16	5/18/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-N16	5/18/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-N16	5/18/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-N17	5/13/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-N18	5/18/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-N18	5/18/04	3-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-N18	5/18/04	6-15	Soil	CT&E	PCB, SVOC, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-N18	5/18/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-N18	5/18/04	10-12	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-N18	5/18/04	4-6	Soil	CT&E	VOC	

**TABLE 7-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation Sampling	RAA10-E-N19	5/18/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-N20	5/18/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-N20	5/18/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-N20	5/18/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-N20	5/18/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-N22	5/10/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-N22	5/10/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-N22	5/10/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-N22	5/10/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-N24	5/10/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-N24	5/10/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-N24	5/10/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-N24	5/10/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-N24	5/10/04	8-10	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-N26	5/28/04	3-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-N26	5/28/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-N26	5/28/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-N26	5/28/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-N26	5/28/04	4-6	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-N26	5/28/04	6-8	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-O15	5/19/04	0-1	Soil	CT&E	VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-O16	5/19/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-O18	5/18/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-O19	5/13/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-O20	5/13/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-O21	5/13/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-P15	5/19/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-P15	5/19/04	3-6	Soil	CT&E	SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-P15	5/19/04	6-15	Soil	CT&E	SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-P15	5/19/04	4-6	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-P15	5/19/04	8-10	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-P15	5/19/04	1-3	Soil	CT&E	VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-P21	5/18/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-P22	5/10/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-P22	5/10/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-P22	5/10/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-P22	5/10/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-P24	5/10/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-P24	5/10/04	3-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-P24	5/10/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-P24	5/10/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-P24	5/10/04	4-6	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-P24	5/10/04	6-8	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-P26	5/28/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-P26	5/28/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-P26	5/28/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-P26	5/28/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-Q15	5/19/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-AA24	5/11/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-AA24	5/11/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-AA24	5/11/04	6-15	Soil	CT&E	PCB	

**TABLE 7-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation Sampling	RAA10-N-AA24	5/11/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF, Pest, Herb	
Pre-Design Soil Investigation Sampling	RAA10-N-BB24	5/11/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-BB24	5/11/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-BB24	5/11/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-BBCC23.5	5/11/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-BBCC23.5	5/11/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-BBCC23.5	5/11/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-BBCC23.5	5/11/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, Pest, Herb	
Pre-Design Soil Investigation Sampling	RAA10-N-CC22	5/12/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-CC22	5/12/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF, Pest, Herb	
Pre-Design Soil Investigation Sampling	RAA10-N-CC22	5/12/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics	
Pre-Design Soil Investigation Sampling	RAA10-N-CC22	5/12/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics	
Pre-Design Soil Investigation Sampling	RAA10-N-CC22	5/12/04	8-10	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-N-DD23.5	5/11/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-DD23.5	5/11/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-DD23.5	5/11/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-DD23.5	5/11/04	3-6	Soil	CT&E	PCB, SVOC, Inorganics, Pest, Herb	
Pre-Design Soil Investigation Sampling	RAA10-N-DD23.5	5/11/04	4-6	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-N-Y20	5/12/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-Y20	5/12/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-Y20	5/12/04	3-6	Soil	CT&E	PCB, SVOC, Inorganics	
Pre-Design Soil Investigation Sampling	RAA10-N-Y20	5/12/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics	
Pre-Design Soil Investigation Sampling	RAA10-N-Y20	5/12/04	3-4	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-N-Z20.5	5/12/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-Z20.5	5/12/04	1-3	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-Z20.5	5/12/04	3-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-N-Z20.5	5/12/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, Pest, Herb	
Pre-Design Soil Investigation Sampling	RAA10-N-Z20.5	5/12/04	14-15	Soil	CT&E	VOC	

Note:

1. Field duplicate sample locations are presented in parenthesis.

**TABLE 7-2
PCB DATA RECEIVED DURING MAY 2004**

**BEAVER DAM DEBRIS ROLL-OFF SAMPLING
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
ROLLOFF#3011-BD-1	5/7/2004	ND(1.7)	10	4.3	14.3
ROLLOFF#3011-BD-2	5/7/2004	ND(1.7)	13	5.6	18.6
ROLLOFF#3011-BD-3	5/7/2004	ND(0.33)	4.6	3.0	7.6

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

**TABLE 7-3
DATA RECEIVED DURING MAY 2004**

**BUILDING 119W OIL/WATER SEPARATOR "HEEL" MATERIAL SAMPLING
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	BLD119W-HEEL-1 04/21/04
Volatile Organics		
None Detected		--
PCBs		
None Detected		--
Semivolatile Organics		
Di-n-Octylphthalate		550 J
Inorganics		
Barium		11.0
Cadmium		0.450
Chromium		1.80
Lead		25.0
Selenium		0.680 B
Silver		0.630 B
Waste Characterization		
Flashpoint (°F)		>180

Notes:

1. Sample was collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles, metals and
2. flashpoint.
3. Only detected constituents are summarized.
-- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics (PCBs, volatiles, semivolatiles)

J - Indicates an estimated value less than the practical quantitation limit (PQL).

Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).

**TABLE 7-4
DATA RECEIVED DURING MAY 2004**

**OIL DRUM SAMPLING AT PLASTICS 51-21 HUT
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	78-E0498-OIL-1 04/23/04	78-E0498-OIL-1 05/06/04
Volatiles Organics			
Xylenes (total)		NA	3.4
PCBs			
Aroclor-1254		79	NA
Aroclor-1260		120	NA
Total PCBs		199	NA
Semivolatile Organics			
None Detected		--	NA
Inorganics			
Barium		4.80	NA
Chromium		0.820	NA
Waste Characterization			
Flashpoint (°F)		>180	NA

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles, metals and flashpoint.
2. NA - Not Analyzed.
3. Only those constituents detected in one or more samples are summarized.
4. -- Indicates that all constituents for the parameter group were not detected.

**TABLE 7-5
PCB DATA RECEIVED DURING MAY 2004**

**BUILDING 59 (PLASTICS) FIRE MAIN SOIL SAMPLING
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
59-FMR-SOIL-1	5/21/2004	ND(0.036)	0.046	0.12	0.166
59-FMR-SOIL-2	5/21/2004	ND(0.037)	0.32	0.65	0.97
59-FMR-SOIL-3	5/21/2004	ND(0.037)	0.18	0.39	0.57

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

**ITEM 8
FORMER OXBOW AREAS A & C
(GECD410)
MAY 2004**

* All activities described below for this item were conducted pursuant to the Consent Decree.

a. Activities Undertaken/Completed

- Submitted Supplemental Pre-Design Investigation Report (May 19, 2004).
- Conducted soil sampling at Parcels I8-23-5 and I8-23-6, and Elm Street right-of-way.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

None

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 8-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004
FORMER OXBOW AREAS A AND C
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-DUP-6 (RAA11-X4)	5/5/04	10-15	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-DUP-7 (RAA11-W3)	5/5/04	10-15	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-V2	5/5/04	0-1	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-V3	5/5/04	0-1	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-V4	5/5/04	0-1	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-W1SE	5/5/04	0-1	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-W1SE	5/5/04	1-3	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-W1SE	5/5/04	10-15	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-W1SE	5/5/04	3-6	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-W1SE	5/5/04	6-10	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-W3	5/5/04	10-15	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-W3	5/5/04	3-6	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-W3	5/5/04	6-10	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X2	5/5/04	0-1	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X2	5/5/04	1-3	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X2	5/5/04	10-15	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X2	5/5/04	3-6	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X2	5/5/04	6-10	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X3	5/5/04	0-1	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X3	5/5/04	1-3	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X3	5/5/04	10-15	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X3	5/5/04	3-6	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X3	5/5/04	6-10	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X4	5/5/04	0-1	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X4	5/5/04	1-3	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X4	5/5/04	10-15	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X4	5/5/04	3-6	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X4	5/5/04	6-10	Soil	CT&E	PCB	5/7/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X5S	5/6/04	0-1	Soil	CT&E	PCB	5/11/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X5S	5/6/04	1-3	Soil	CT&E	PCB	5/11/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X5S	5/6/04	10-15	Soil	CT&E	PCB	5/11/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X5S	5/6/04	3-6	Soil	CT&E	PCB	5/11/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X5S	5/6/04	6-10	Soil	CT&E	PCB	5/11/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X8S	5/6/04	0-1	Soil	CT&E	PCB	5/11/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X8S	5/6/04	1-3	Soil	CT&E	PCB	5/11/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X8S	5/6/04	10-15	Soil	CT&E	PCB	5/11/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X8S	5/6/04	3-6	Soil	CT&E	PCB	5/11/04
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA11-X8S	5/6/04	6-10	Soil	CT&E	PCB	5/11/04

Note:

1. Field duplicate sample locations are presented in parenthesis.

**TABLE 8-2
PCB DATA RECEIVED DURING MAY 2004**

**ADDITIONAL SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS A AND C
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA11-V2	0-1	5/5/2004	ND(0.035)	0.064	0.040	0.104
RAA11-V3	0-1	5/5/2004	ND(0.036)	ND(0.036)	0.015 J	0.015 J
RAA11-V4	0-1	5/5/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA11-W1SE	0-1	5/5/2004	ND(0.039)	0.22	0.26	0.48
	1-3	5/5/2004	ND(0.039)	0.072	0.12	0.192
	3-6	5/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-10	5/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	10-15	5/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA11-W3	3-6	5/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-10	5/5/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	10-15	5/5/2004	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]
RAA11-X2	0-1	5/5/2004	ND(0.040)	1.2	1.3	2.5
	1-3	5/5/2004	ND(0.040)	ND(0.040)	0.030 J	0.030 J
	3-6	5/5/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	6-10	5/5/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	10-15	5/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA11-X3	0-1	5/5/2004	ND(0.41)	2.6	4.2	6.8
	1-3	5/5/2004	ND(0.039)	ND(0.039)	0.22	0.22
	3-6	5/5/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-10	5/5/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	10-15	5/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA11-X4	0-1	5/5/2004	ND(0.039)	ND(0.039)	1.6	1.6
	1-3	5/5/2004	ND(0.036)	0.058	0.048	0.106
	3-6	5/5/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-10	5/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	10-15	5/5/2004	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]
RAA11-X5S	0-1	5/6/2004	ND(0.036)	ND(0.036)	0.040	0.040
	1-3	5/6/2004	ND(0.036)	ND(0.036)	0.021 J	0.021 J
	3-6	5/6/2004	ND(0.036)	ND(0.036)	0.020 J	0.020 J
	6-10	5/6/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	10-15	5/6/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA11-X8S	0-1	5/6/2004	ND(0.036)	ND(0.036)	0.024 J	0.024 J
	1-3	5/6/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	3-6	5/6/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-10	5/6/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	10-15	5/6/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and were submitted to CT&E Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Field duplicate sample results are presented in brackets.

Data Qualifiers:

J - Indicates an estimated value less than the practical quantitation limit (PQL).

**ITEM 9
LYMAN STREET AREA
(GECD430)
MAY 2004**

* All activities described below for this item were conducted pursuant to the Consent Decree.

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

None

e. General Progress/Unresolved Issues/Potential Schedule Impacts

To be discussed with EPA.

f. Proposed/Approved Work Plan Modifications

None

**ITEM 10
NEWELL STREET AREA I
(GECD440)
MAY 2004**

* All activities described below for this item were conducted pursuant to the Consent Decree.

a. Activities Undertaken/Completed

- Continued remediation/restoration activities at Parcels J9-23-16, J9-23-17, and J9-23-18.
- Received signed Access Agreement Letter for soil remediation activities from tenant at 249 Newell Street (Parcel J9-23-22) (May 28, 2004).
- Initiated remediation activities at Parcels J9-23-22, J9-23-23, and J9-23-24.
- Conducted ambient air monitoring for particulate matter at Parcels J9-23-22, J9-23-23, and J9-23-24, with a background monitor at the corner of Woodlawn Avenue and Tyler Street.
- GE counsel sent letter to counsel for owner of Parcel J9-23-13 regarding access to that property for remediation (May 28, 2004).

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

- Submitted letter to EPA outlining inability to obtain access permission from owner of Parcels J9-23-19, J9-23-20, and J9-23-21 (May 12, 2004), with follow-up letter from GE counsel (May 28, 2004).
- Submitted revised Post-Remediation PCB Evaluations for Parcel J9-23-22 (May 25, 2004 and May 28, 2004).

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

- Complete remaining restoration activities at Parcels J9-23-16, J9-23-17, and J9-23-18.
- Continue remediation/restoration activities at Parcels J9-23-23 and J9-23-24.
- Submit final executed ERE and associated documentation for Parcel J9-23-24.
- Continue discussions regarding access to Parcel J9-23-13 and Parcels J9-23-19, J9-23-20, and J9-23-21 for remediation.
- Discuss draft EREs for GE-owned properties with EPA and MDEP and work on obtaining subordination agreements for easements at those properties.

ITEM 10
(cont'd)
NEWELL STREET AREA I
(GEC440)
MAY 2004

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Owners of Parcel J9-23-13 and Parcels J9-23-19, J9-23-20, and J9-23-21 have not granted access for remediation.

f. Proposed/Approved Work Plan Modifications

None

**TABLE 10-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**NEWELL STREET AREA I
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	North of J9-23-23	5/12/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Southeast of J9-23-23	5/12/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	South of J9-23-23	5/12/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Northwest of J9-23-23	5/12/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Background Location	5/12/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	North of J9-23-23	5/13/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Southeast of J9-23-23	5/13/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	South of J9-23-23	5/13/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Northwest of J9-23-23	5/13/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Background Location	5/13/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	North of J9-23-23	5/14/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Southeast of J9-23-23	5/14/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	South of J9-23-23	5/14/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Northwest of J9-23-23	5/14/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	Background Location	5/14/04	Air	Berkshire Environmental	Particulate Matter	5/20/04
Ambient Air Particulate Matter Sampling	North of J9-23-23	5/17/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Southeast of J9-23-23	5/17/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	South of J9-23-23	5/17/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Northwest of J9-23-23	5/17/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Background Location	5/17/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	North of J9-23-23	5/18/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Southeast of J9-23-23	5/18/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	South of J9-23-23	5/18/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Northwest of J9-23-23	5/18/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Background Location	5/18/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	North of J9-23-23	5/20/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Southeast of J9-23-23	5/20/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	South of J9-23-23	5/20/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Northwest of J9-23-23	5/20/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Background Location	5/20/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	North of J9-23-23	5/21/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Southeast of J9-23-23	5/21/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	South of J9-23-23	5/21/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Northwest of J9-23-23	5/21/04	Air	Berkshire Environmental	Particulate Matter	5/25/04
Ambient Air Particulate Matter Sampling	Background Location	5/21/04	Air	Berkshire Environmental	Particulate Matter	5/25/04

**TABLE 10-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**NEWELL STREET AREA I
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	North of J9-23-23	5/25/04	Air	Berkshire Environmental	Particulate Matter	6/2/04
Ambient Air Particulate Matter Sampling	Southeast of J9-23-23	5/25/04	Air	Berkshire Environmental	Particulate Matter	6/2/04
Ambient Air Particulate Matter Sampling	South of J9-23-23	5/25/04	Air	Berkshire Environmental	Particulate Matter	6/2/04
Ambient Air Particulate Matter Sampling	Northwest of J9-23-23	5/25/04	Air	Berkshire Environmental	Particulate Matter	6/2/04
Ambient Air Particulate Matter Sampling	Background Location	5/25/04	Air	Berkshire Environmental	Particulate Matter	6/2/04
Ambient Air Particulate Matter Sampling	North of J9-23-23	5/26/04	Air	Berkshire Environmental	Particulate Matter	6/2/04
Ambient Air Particulate Matter Sampling	Southeast of J9-23-23	5/26/04	Air	Berkshire Environmental	Particulate Matter	6/2/04
Ambient Air Particulate Matter Sampling	South of J9-23-23	5/26/04	Air	Berkshire Environmental	Particulate Matter	6/2/04
Ambient Air Particulate Matter Sampling	Northwest of J9-23-23	5/26/04	Air	Berkshire Environmental	Particulate Matter	6/2/04
Ambient Air Particulate Matter Sampling	Background Location	5/26/04	Air	Berkshire Environmental	Particulate Matter	6/2/04
Ambient Air Particulate Matter Sampling	North of J9-23-23	5/27/04	Air	Berkshire Environmental	Particulate Matter	6/2/04
Ambient Air Particulate Matter Sampling	Southeast of J9-23-23	5/27/04	Air	Berkshire Environmental	Particulate Matter	6/2/04
Ambient Air Particulate Matter Sampling	South of J9-23-23	5/27/04	Air	Berkshire Environmental	Particulate Matter	6/2/04
Ambient Air Particulate Matter Sampling	Northwest of J9-23-23	5/27/04	Air	Berkshire Environmental	Particulate Matter	6/2/04
Ambient Air Particulate Matter Sampling	Background Location	5/27/04	Air	Berkshire Environmental	Particulate Matter	6/2/04

**TABLE 10-2
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING MAY 2004**

**PARTICULATE AMBIENT AIR CONCENTRATIONS
 NEWELL STREET AREA I
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Date	Sampler Location	Average Site Concentration (mg/m ³)	Background Site Concentration (mg/m ³)	Average Period (Hours:Min)	Predominant Wind Direction
05/10/04 ¹	North of J9-23-23 Southeast of J9-23-23 South of J9-23-23 Northwest of J9-23-23	NA	NA	NA	NA
05/11/04 ¹	North of J9-23-23 Southeast of J9-23-23 South of J9-23-23 Northwest of J9-23-23	NA	NA	NA	NA
05/12/04	North of J9-23-23 Southeast of J9-23-23 South of J9-23-23 Northwest of J9-23-23	0.017 0.021 0.019 0.017*	0.008*	10:45 10:45 10:45 10:30	WNW
05/13/04	North of J9-23-23 Southeast of J9-23-23 South of J9-23-23 Northwest of J9-23-23	0.040 0.044 0.046 0.033*	0.023*	10:45 10:45 10:30 10:30	ESE, SE
05/14/04	North of J9-23-23 Southeast of J9-23-23 South of J9-23-23 Northwest of J9-23-23	0.054 0.050 0.056 0.045*	0.034*	10:45 10:45 10:45 10:45	SW, SSW
05/17/04	North of J9-23-23 Southeast of J9-23-23 South of J9-23-23 Northwest of J9-23-23	0.013 0.025 0.037 0.014*	0.007*	10:00 10:00 10:00 10:00	SW
05/18/04	North of J9-23-23 Southeast of J9-23-23 South of J9-23-23 Northwest of J9-23-23	0.050 0.055 0.055 0.040*	0.027*	2:00 ² 2:15 ² 2:15 ² 2:00 ²	SW
05/19/04	North of J9-23-23 Southeast of J9-23-23 South of J9-23-23 Northwest of J9-23-23	0.004 ^{3*} 0.017 0.035 0.007	0.004*	10:15 10:15 10:30 10:15	NNW, N
05/20/04	North of J9-23-23 Southeast of J9-23-23 South of J9-23-23 Northwest of J9-23-23	0.015* 0.032 0.038 0.017	0.011*	10:15 10:15 10:15 10:15	SSW
05/21/04	North of J9-23-23 Southeast of J9-23-23 South of J9-23-23 Northwest of J9-23-23	0.033* 0.047 0.048 0.036	0.021*	10:30 10:30 10:45 10:30	NW
05/24/04 ⁴	North of J9-23-23 Southeast of J9-23-23 South of J9-23-23 Northwest of J9-23-23	NA	NA	NA	NA
05/25/04	North of J9-23-23 Southeast of J9-23-23 South of J9-23-23 Northwest of J9-23-23	0.010* 0.014 0.022 0.007	0.004*	10:00 10:15 10:15 10:00	WNW, WSW

**TABLE 10-2
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING MAY 2004**

**PARTICULATE AMBIENT AIR CONCENTRATIONS
 NEWELL STREET AREA I
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Date	Sampler Location	Average Site Concentration (mg/m³)	Background Site Concentration (mg/m³)	Average Period (Hours:Min)	Predominant Wind Direction
05/26/04 ⁴	North of J9-23-23 Southeast of J9-23-23 South of J9-23-23 Northwest of J9-23-23	NA	NA	NA	NA
05/27/04	North of J9-23-23 Southeast of J9-23-23 South of J9-23-23 Northwest of J9-23-23	0.018* 0.024 0.026 0.020	0.012*	10:00 10:00 10:00 10:00	W
05/28/04 ⁴	North of J9-23-23 Southeast of J9-23-23 South of J9-23-23 Northwest of J9-23-23	NA	NA	NA	NA
05/31/04 ⁵	North of J9-23-23 Southeast of J9-23-23 South of J9-23-23 Northwest of J9-23-23	NA	NA	NA	NA
Notification Level		0.120			

Notes:

NA - Not Available

* Measured with DR-2000. All others measured with pDR-1000.

Background monitoring location located inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street.

¹ Sampling was not performed due to lack of site activity.

² Sampling period was shortened due to precipitation/threat of precipitation.

³ The DR-2000 monitor was temporarily moved to the North location due to site constraints at the Northwest location. The Northwest location temporarily being monitored using a pDR-1000.

⁴ Sampling was not performed due to precipitation/threat of precipitation.

⁵ Sampling was not performed due to lack of site activity on the Memorial Day holiday.

**ITEM 11
NEWELL STREET AREA II
(GEC450)
MAY 2004**

a. Activities Undertaken/Completed

Conducted miscellaneous sampling (as identified in Table 11-1).

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

Continue development of Conceptual RD/RA Work Plan (due by July 16, 2004).*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

**TABLE 11-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**NEWELL STREET AREA II
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Newell Street Area II Tank 1 Sampling	Newell-T1-OIL-1	5/7/04	Oil	CT&E	Flashpoint	5/11/04
Newell Street Trailer Oil Sampling	NewellSt-OIL-1	4/23/04	Oil	CT&E	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	5/4/04
Newell Street Trailer Oil Sampling	NewellSt-OIL-1	5/6/04	Oil	CT&E	VOC	5/11/04

**TABLE 11-2
DATA RECEIVED DURING MAY 2004**

**TRAILER OIL SAMPLING
NEWELL STREET AREA II
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	NEWELLST-OIL-1 04/23/04	NEWELLST-OIL-1 05/06/04
Volatile Organics			
1,2-Dichloroethene (total)		NA	110
Ethylbenzene		NA	32
Tetrachloroethene		NA	66
Toluene		NA	82
Trichloroethene		NA	1200
Xylenes (total)		NA	190
PCBs			
Aroclor-1254		420000	NA
Total PCBs		420000	NA
Semivolatile Organics			
1,2,4-Trichlorobenzene		35000	NA
Inorganics			
Arsenic		0.940	NA
Barium		0.420	NA
Selenium		1.20	NA
Waste Characterization			
Flashpoint (°F)		>180	NA

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles, metals and flashpoint.
2. NA - Not Analyzed.
3. Only detected constituents are summarized.

**TABLE 11-3
DATA RECEIVED DURING MAY 2004**

**TANK 1 OIL SAMPLING
NEWELL STREET AREA II
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Parameter	Sample ID: Date Collected:	NEWELL-T1-OIL-1 05/07/04
Waste Characterization		
Flashpoint (°F)		133

Notes:

1. Sample was collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of flashpoint.
2. EPA designates wastes with a flashpoint of less than 140°F as ignitable hazardous wastes.

**ITEM 12
FORMER OXBOW AREAS J & K
(GECD420)
MAY 2004**

* All activities described below for this item were conducted pursuant to the Consent Decree.

a. Activities Undertaken/Completed

- Completed supplemental field activities at Parcels K10-11-1, -2, -3, -5, and K10-13-1. Borings YB-1 (K10-11-1), RAA15-C11E, and RAA15-C5 (K10-11-2) encountered refusal prior to achieving the targeted depths.
- Initiated preparation of Supplemental Pre-Design Investigation Report.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

Submit Supplemental Pre-Design Investigation Report (due by June 29, 2004).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

As discussed in GE's January 28, 2004 supplemental soil sampling proposal, property boundary research has determined that certain legal property boundaries may be different from those shown in that and previous submittals. In light of this, GE will discuss with EPA appropriate evaluation areas at this RAA.

f. Proposed/Approved Work Plan Modifications

None

**TABLE 12-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Supplemental Pre-Design Soil Investigation Sampling	JKS-DUP-1 (RAA15-A19SW)	5/3/04	1-3	Soil	CT&E	PCB, SVOC, Inorganics	5/12/04
Supplemental Pre-Design Soil Investigation Sampling	JKS-DUP-1 (RAA15-A19SW)	5/3/04	1-3	Soil	CT&E	PCDD/PCDF	5/21/04
Supplemental Pre-Design Soil Investigation Sampling	JKS-DUP-2 (RAA15-E15N)	5/4/04	0-1	Soil	CT&E	VOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	JKS-DUP-3 (RAA15-A19NW)	5/4/04	1-3	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	JKSDUP4 (RAA15-C11)	5/5/04	3-6	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-A19NE	5/4/04	1-3	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-A19NE	5/4/04	3-6	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-A19NW	5/4/04	1-3	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-A19NW	5/4/04	3-6	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-A19SE	5/4/04	1-3	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-A19SE	5/4/04	3-6	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-A19SW	5/3/04	10-15	Soil	CT&E	PCB	5/12/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-A19SW	5/3/04	3-6	Soil	CT&E	PCB, SVOC	5/12/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-A19SW	5/3/04	6-10	Soil	CT&E	PCB, SVOC, Inorganics	5/12/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-A19SW	5/3/04	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics	5/12/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-A19SW	5/3/04	0-1	Soil	CT&E	PCDD/PCDF	5/21/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-A19SW	5/3/04	1-3	Soil	CT&E	PCDD/PCDF	5/21/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-A19SW	5/3/04	6-10	Soil	CT&E	PCDD/PCDF	5/21/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-A19SW	5/3/04	6-8	Soil	CT&E	VOC	5/12/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-A19SW	5/3/04	0-1	Soil	CT&E	VOC, SVOC, Inorganics	5/12/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-B19S	5/3/04	1-3	Soil	CT&E	PCDD/PCDF	5/21/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-B19S	5/3/04	10-15	Soil	CT&E	PCDD/PCDF	5/21/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-B19S	5/3/04	10-15	Soil	CT&E	SVOC, Inorganics	5/12/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-B19S	5/3/04	10-12	Soil	CT&E	VOC	5/12/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-B19S	5/3/04	1-3	Soil	CT&E	VOC, SVOC, Inorganics	5/12/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-C11	5/5/04	3-6	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-C11E	5/5/04	1-3	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-C11NE	5/5/04	1-3	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-C11NW	5/5/04	1-3	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-C6	5/5/04	6-10	Soil	CT&E	PCDD/PCDF	5/21/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-C6	5/5/04	0-1	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-C6	5/5/04	6-10	Soil	CT&E	SVOC, Inorganics	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-C6	5/5/04	6-8	Soil	CT&E	VOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15N	5/4/04	0-1	Soil	CT&E	PCDD/PCDF	5/21/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15N	5/4/04	1-3	Soil	CT&E	PCDD/PCDF	5/21/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15N	5/4/04	3-6	Soil	CT&E	PCDD/PCDF	5/21/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15N	5/4/04	6-10	Soil	CT&E	PCDD/PCDF	5/21/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15N	5/4/04	3-6	Soil	CT&E	SVOC, Inorganics	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15N	5/4/04	4-6	Soil	CT&E	VOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15N	5/4/04	8-10	Soil	CT&E	VOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15N	5/4/04	0-1	Soil	CT&E	VOC, SVOC, Inorganics	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15N	5/4/04	1-3	Soil	CT&E	VOC, SVOC, Inorganics	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15W	5/3/04	0-1	Soil	CT&E	PCDD/PCDF	5/21/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15W	5/3/04	1-3	Soil	CT&E	PCDD/PCDF	5/21/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15W	5/3/04	10-15	Soil	CT&E	PCDD/PCDF	5/21/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15W	5/3/04	3-6	Soil	CT&E	PCDD/PCDF	5/21/04

**TABLE 12-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15W	5/3/04	10-15	Soil	CT&E	SVOC, Inorganics	5/12/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15W	5/3/04	3-6	Soil	CT&E	SVOC, Inorganics	5/12/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15W	5/3/04	10-12	Soil	CT&E	VOC	5/12/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15W	5/3/04	4-6	Soil	CT&E	VOC	5/12/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15W	5/3/04	0-1	Soil	CT&E	VOC, SVOC, Inorganics	5/12/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E15W	5/3/04	1-3	Soil	CT&E	VOC, SVOC, Inorganics	5/12/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E2NE	5/5/04	1-3	Soil	CT&E	Lead, Antimony	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E2NW	5/5/04	1-3	Soil	CT&E	Lead, Antimony	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E2SE	5/5/04	1-3	Soil	CT&E	Lead, Antimony	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E2SW	5/5/04	1-3	Soil	CT&E	Lead, Antimony	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E5	5/5/04	1-3	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E5NE	5/5/04	0-1	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E5NW	5/5/04	0-1	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E5SE	5/5/04	0-1	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E5SW	5/5/04	0-1	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E7	5/4/04	1-3	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E7NE	5/4/04	0-1	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E7NW	5/4/04	0-1	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E7SE	5/4/04	0-1	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E7SW	5/4/04	0-1	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E8E	5/4/04	1-3	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E8N	5/4/04	1-3	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E8S	5/4/04	1-3	Soil	CT&E	SVOC	5/17/04
Supplemental Pre-Design Soil Investigation Sampling	RAA15-E8W	5/4/04	1-3	Soil	CT&E	SVOC	5/17/04

Note:

1. Field duplicate sample locations are presented in parenthesis.

**TABLE 12-2
PCB DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA15-A19SW	1-3	5/3/2004	ND(0.043) [ND(0.045)]	0.42 [0.36]	1.0 [0.90]	1.42 [1.26]
	3-6	5/3/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
	6-10	5/3/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)
	10-15	5/3/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and were submitted to CT&E Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Field duplicate sample results are presented in brackets.

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth (Feet): Date Collected:	RAA15-A19NE 1-3 05/04/04	RAA15-A19NE 3-6 05/04/04	RAA15-A19NW 1-3 05/04/04	RAA15-A19NW 3-6 05/04/04
Volatile Organics					
Acetone		NA	NA	NA	NA
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene		ND(0.38)	ND(0.37)	ND(0.38) [ND(0.37)]	ND(0.38)
1,2,4-Trichlorobenzene		ND(0.38)	ND(0.37)	ND(0.38) [ND(0.37)]	ND(0.38)
2,4-Dinitrotoluene		ND(0.38)	ND(0.37)	ND(0.38) [ND(0.37)]	ND(0.38)
2-Methylnaphthalene		ND(0.38)	6.7	ND(0.38) [ND(0.37)]	2.3
3&4-Methylphenol		ND(0.77)	ND(0.74)	ND(0.76) [ND(0.75)]	ND(0.76)
Acenaphthene		ND(0.38)	ND(0.37)	ND(0.38) [ND(0.37)]	ND(0.38)
Acenaphthylene		7.1	12	3.1 [5.2]	7.2
Aniline		ND(0.38)	ND(0.37)	ND(0.38) [ND(0.37)]	ND(0.38)
Anthracene		4.4	7.3	3.0 [5.3]	3.4
Benzo(a)anthracene		16	13	7.9 [13]	9.8
Benzo(a)pyrene		14	9.7	5.8 [10]	6.8
Benzo(b)fluoranthene		10	6.3	4.1 [8.1]	4.6
Benzo(g,h,i)perylene		9.0	6.9	4.0 [7.1]	4.7
Benzo(k)fluoranthene		12	8.3	5.8 [10]	5.4
bis(2-Ethylhexyl)phthalate		ND(0.38)	ND(0.36)	ND(0.37) [ND(0.37)]	ND(0.38)
Chrysene		16	14	6.7 [13]	11
Dibenzo(a,h)anthracene		2.7	ND(0.37)	1.0 [2.0]	1.2
Dibenzofuran		0.44	0.58	0.66 [1.1]	0.26 J
Di-n-Butylphthalate		ND(0.38)	ND(0.37)	ND(0.38) [ND(0.37)]	ND(0.38)
Fluoranthene		30	19	16 [29]	14
Fluorene		0.72	3.8	0.76 [1.4]	1.4
Indeno(1,2,3-cd)pyrene		8.2	5.5	3.6 [6.6]	3.6
Naphthalene		3.3	8.8	0.99 [1.9]	4.8
Pentachlorobenzene		ND(0.38)	ND(0.37)	ND(0.38) [ND(0.37)]	ND(0.38)
Phenanthrene		7.4	21	8.3 [12]	10
Pyrene		33	35	17 [28]	24
Furans					
2,3,7,8-TCDF		NA	NA	NA	NA
TCDFs (total)		NA	NA	NA	NA
1,2,3,7,8-PeCDF		NA	NA	NA	NA
2,3,4,7,8-PeCDF		NA	NA	NA	NA
PeCDFs (total)		NA	NA	NA	NA
1,2,3,4,7,8-HxCDF		NA	NA	NA	NA
1,2,3,6,7,8-HxCDF		NA	NA	NA	NA
1,2,3,7,8,9-HxCDF		NA	NA	NA	NA
2,3,4,6,7,8-HxCDF		NA	NA	NA	NA
HxCDFs (total)		NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF		NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF		NA	NA	NA	NA
HpCDFs (total)		NA	NA	NA	NA
OCDF		NA	NA	NA	NA

TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004

SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth (Feet): Date Collected:	RAA15-A19NE 1-3 05/04/04	RAA15-A19NE 3-6 05/04/04	RAA15-A19NW 1-3 05/04/04	RAA15-A19NW 3-6 05/04/04
Dioxins				
2,3,7,8-TCDD	NA	NA	NA	NA
TCDDs (total)	NA	NA	NA	NA
1,2,3,7,8-PeCDD	NA	NA	NA	NA
PeCDDs (total)	NA	NA	NA	NA
1,2,3,4,7,8-HxCDD	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD	NA	NA	NA	NA
1,2,3,7,8,9-HxCDD	NA	NA	NA	NA
HxCDDs (total)	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	NA	NA	NA	NA
HpCDDs (total)	NA	NA	NA	NA
OCDD	NA	NA	NA	NA
Total TEQs (WHO TEFs)	NA	NA	NA	NA
Inorganics				
Antimony	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA
Barium	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA
Chromium	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA
Copper	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA
Lead	NA	NA	NA	NA
Mercury	NA	NA	NA	NA
Nickel	NA	NA	NA	NA
Selenium	NA	NA	NA	NA
Silver	NA	NA	NA	NA
Sulfide	NA	NA	NA	NA
Tin	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA
Zinc	NA	NA	NA	NA

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth (Feet): Date Collected:	RAA15-A19SE 1-3 05/04/04	RAA15-A19SE 3-6 05/04/04	RAA15-A19SW 0-1 05/03/04	RAA15-A19SW 1-3 05/03/04
Volatile Organics					
Acetone		NA	NA	ND(0.026)	ND(0.026)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene		ND(0.41)	ND(0.48)	ND(0.44)	ND(0.43) [ND(0.45)]
1,2,4-Trichlorobenzene		ND(0.41)	ND(0.48)	ND(0.44)	ND(0.43) [ND(0.45)]
2,4-Dinitrotoluene		ND(0.41)	ND(0.48)	ND(0.44)	ND(0.43) [ND(0.45)]
2-Methylnaphthalene		ND(0.41)	ND(0.48)	0.25 J	ND(0.43) [ND(0.45)]
3&4-Methylphenol		ND(0.82)	ND(0.96)	ND(0.88)	ND(0.87) [ND(0.90)]
Acenaphthene		0.23 J	ND(0.48)	ND(0.44)	ND(0.43) [ND(0.45)]
Acenaphthylene		0.52	ND(0.48)	0.76	0.75 [0.37 J]
Aniline		ND(0.41)	ND(0.48)	ND(0.44)	ND(0.43) [ND(0.45)]
Anthracene		0.63	ND(0.48)	0.52	0.33 J [0.19 J]
Benzo(a)anthracene		0.81	ND(0.48)	1.2	0.49 [0.29 J]
Benzo(a)pyrene		0.56	ND(0.48)	0.92	0.37 J [0.20 J]
Benzo(b)fluoranthene		0.35 J	ND(0.48)	0.87	0.24 J [0.12 J]
Benzo(g,h,i)perylene		0.38 J	ND(0.48)	0.74	0.32 J [0.17 J]
Benzo(k)fluoranthene		0.45	ND(0.48)	1.1	0.32 J [0.18 J]
bis(2-Ethylhexyl)phthalate		ND(0.41)	ND(0.47)	0.14 J	ND(0.43) [ND(0.45)]
Chrysene		0.92	ND(0.48)	1.6	0.58 [0.36 J]
Dibenzo(a,h)anthracene		ND(0.41)	ND(0.48)	0.15 J	ND(0.43) [ND(0.45)]
Dibenzofuran		0.10 J	ND(0.48)	ND(0.44)	ND(0.43) [ND(0.45)]
Di-n-Butylphthalate		ND(0.41)	ND(0.48)	0.11 J	ND(0.43) [ND(0.45)]
Fluoranthene		1.7	ND(0.48)	2.7	0.74 [0.50]
Fluorene		0.23 J	ND(0.48)	0.13 J	ND(0.43) [ND(0.45)]
Indeno(1,2,3-cd)pyrene		0.25 J	ND(0.48)	0.60	0.22 J [0.097 J]
Naphthalene		0.24 J	ND(0.48)	0.45	0.71 [0.27 J]
Pentachlorobenzene		ND(0.41)	ND(0.48)	ND(0.44)	ND(0.43) [ND(0.45)]
Phenanthrene		1.7	ND(0.48)	1.1	0.56 [0.50]
Pyrene		1.8	ND(0.48)	2.7	1.1 [0.72]
Furans					
2,3,7,8-TCDF		NA	NA	0.000040 Y	0.0000095 Y [0.0000055 Y]
TCDFs (total)		NA	NA	0.00053 QI	0.00011 Q [0.000051 Q]
1,2,3,7,8-PeCDF		NA	NA	0.000025	0.0000045 [0.0000026 J]
2,3,4,7,8-PeCDF		NA	NA	0.000099 Q	0.000011 Q [0.0000062]
PeCDFs (total)		NA	NA	0.00056 QI	0.00011 QI [0.000054 Q]
1,2,3,4,7,8-HxCDF		NA	NA	0.000073	0.0000094 [0.0000049]
1,2,3,6,7,8-HxCDF		NA	NA	0.000037	0.0000040 [0.0000022 J]
1,2,3,7,8,9-HxCDF		NA	NA	0.000094	0.0000014 JQ [0.00000094 J]
2,3,4,6,7,8-HxCDF		NA	NA	0.000074	0.0000070 [0.0000039]
HxCDFs (total)		NA	NA	0.0011 Q	0.00012 Q [0.000061]
1,2,3,4,6,7,8-HpCDF		NA	NA	0.00015 Q	0.000026 [0.000011]
1,2,3,4,7,8,9-HpCDF		NA	NA	0.000030	0.0000034 [0.0000017 J]
HpCDFs (total)		NA	NA	0.00039 Q	0.000055 [0.000024]
OCDF		NA	NA	0.00023	0.000025 [0.000013]

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth (Feet): Date Collected:	RAA15-A19SE 1-3 05/04/04	RAA15-A19SE 3-6 05/04/04	RAA15-A19SW 0-1 05/03/04	RAA15-A19SW 1-3 05/03/04
Dioxins					
2,3,7,8-TCDD		NA	NA	0.0000016 Q	0.0000036 J [ND(0.0000024) X]
TCDDs (total)		NA	NA	0.000012 Q	0.0000030 [0.0000017]
1,2,3,7,8-PeCDD		NA	NA	0.0000033 Q	0.0000058 JQ [0.0000028 J]
PeCDDs (total)		NA	NA	0.000012 Q	0.0000033 Q [0.0000026 Q]
1,2,3,4,7,8-HxCDD		NA	NA	0.0000043	0.0000071 J [0.0000030 J]
1,2,3,6,7,8-HxCDD		NA	NA	0.000011	0.000015 J [0.0000067 J]
1,2,3,7,8,9-HxCDD		NA	NA	0.0000087	0.000012 J [0.0000048 J]
HxCDDs (total)		NA	NA	0.000072	0.000013 [0.000066]
1,2,3,4,6,7,8-HpCDD		NA	NA	0.00018	0.000016 [0.0000093]
HpCDDs (total)		NA	NA	0.00036	0.000035 [0.000018]
OCDD		NA	NA	0.0016	0.00016 [0.000081]
Total TEQs (WHO TEFs)		NA	NA	0.000085	0.000011 [0.0000057]
Inorganics					
Antimony		NA	NA	ND(6.00)	ND(6.00) [ND(6.00)]
Arsenic		NA	NA	5.50	4.30 [6.00]
Barium		NA	NA	36.0	29.0 [43.0]
Beryllium		NA	NA	0.250 B	0.290 B [0.400 B]
Cadmium		NA	NA	1.60	0.570 [0.870]
Chromium		NA	NA	14.0	7.80 [14.0]
Cobalt		NA	NA	8.20	5.30 [8.30]
Copper		NA	NA	47.0	22.0 [34.0]
Cyanide		NA	NA	0.360	0.140 [0.130 B]
Lead		NA	NA	270	33.0 [54.0]
Mercury		NA	NA	0.160	0.0950 B [0.180]
Nickel		NA	NA	15.0	9.50 [16.0]
Selenium		NA	NA	0.980 B	ND(1.00) [0.730 B]
Silver		NA	NA	ND(1.00)	ND(1.00) [ND(1.00)]
Sulfide		NA	NA	420	10.0 [11.0]
Tin		NA	NA	6.10 B	4.50 B [5.60 B]
Vanadium		NA	NA	21.0	7.90 [13.0]
Zinc		NA	NA	170	47.0 [90.0]

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth (Feet): Date Collected:	RAA15-A19SW 3-6 05/03/04	RAA15-A19SW 6-8 05/03/04	RAA15-A19SW 6-10 05/03/04	RAA15-B19S 1-3 05/03/04
Volatile Organics				
Acetone	NA	0.018 J	NA	ND(0.027)
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.98)	NA	ND(0.56)	ND(0.49)
1,2,4-Trichlorobenzene	ND(0.98)	NA	ND(0.56)	ND(0.49)
2,4-Dinitrotoluene	ND(0.98)	NA	ND(0.56)	ND(0.49)
2-Methylnaphthalene	ND(0.98)	NA	ND(0.56)	ND(0.49)
3&4-Methylphenol	ND(1.0)	NA	ND(1.0)	ND(0.90)
Acenaphthene	ND(0.98)	NA	ND(0.56)	ND(0.49)
Acenaphthylene	ND(0.98)	NA	ND(0.56)	ND(0.49)
Aniline	ND(0.98)	NA	ND(0.56)	ND(0.49)
Anthracene	ND(0.98)	NA	ND(0.56)	ND(0.49)
Benzo(a)anthracene	ND(0.98)	NA	ND(0.56)	ND(0.49)
Benzo(a)pyrene	0.20 J	NA	0.18 J	ND(0.49)
Benzo(b)fluoranthene	ND(0.98)	NA	ND(0.56)	ND(0.49)
Benzo(g,h,i)perylene	ND(0.98)	NA	ND(0.56)	ND(0.49)
Benzo(k)fluoranthene	ND(0.98)	NA	ND(0.56)	ND(0.49)
bis(2-Ethylhexyl)phthalate	ND(0.51)	NA	ND(0.50)	ND(0.44)
Chrysene	ND(0.98)	NA	ND(0.56)	ND(0.49)
Dibenzo(a,h)anthracene	ND(0.98)	NA	ND(0.56)	ND(0.49)
Dibenzofuran	ND(0.98)	NA	ND(0.56)	ND(0.49)
Di-n-Butylphthalate	ND(0.98)	NA	ND(0.56)	ND(0.49)
Fluoranthene	ND(0.98)	NA	ND(0.56)	0.12 J
Fluorene	ND(0.98)	NA	ND(0.56)	ND(0.49)
Indeno(1,2,3-cd)pyrene	ND(0.98)	NA	ND(0.56)	ND(0.49)
Naphthalene	ND(0.98)	NA	ND(0.56)	ND(0.49)
Pentachlorobenzene	ND(0.98)	NA	ND(0.56)	ND(0.49)
Phenanthrene	ND(0.98)	NA	ND(0.56)	ND(0.49)
Pyrene	ND(0.98)	NA	ND(0.56)	0.12 J
Furans				
2,3,7,8-TCDF	NA	NA	ND(0.00000098) X	0.0000097 Y
TCDFs (total)	NA	NA	ND(0.0000012)	0.000093
1,2,3,7,8-PeCDF	NA	NA	ND(0.00000094) X	0.0000056
2,3,4,7,8-PeCDF	NA	NA	ND(0.00000064) X	0.0000099
PeCDFs (total)	NA	NA	0.00000047	0.000094
1,2,3,4,7,8-HxCDF	NA	NA	ND(0.00000031)	0.000019
1,2,3,6,7,8-HxCDF	NA	NA	ND(0.00000031)	0.0000088
1,2,3,7,8,9-HxCDF	NA	NA	ND(0.00000031)	0.0000027 J
2,3,4,6,7,8-HxCDF	NA	NA	ND(0.00000031)	0.0000066
HxCDFs (total)	NA	NA	ND(0.00000031)	0.000095
1,2,3,4,6,7,8-HpCDF	NA	NA	0.0000011 J	0.000036
1,2,3,4,7,8,9-HpCDF	NA	NA	ND(0.00000031)	0.000011
HpCDFs (total)	NA	NA	0.0000011	0.000076
OCDF	NA	NA	ND(0.00000062)	0.000080

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth (Feet): Date Collected:	RAA15-A19SW 3-6 05/03/04	RAA15-A19SW 6-8 05/03/04	RAA15-A19SW 6-10 05/03/04	RAA15-B19S 1-3 05/03/04
Dioxins					
2,3,7,8-TCDD		NA	NA	ND(0.00000012)	0.00000026 J
TCDDs (total)		NA	NA	ND(0.00000029)	0.0000013
1,2,3,7,8-PeCDD		NA	NA	ND(0.00000031)	ND(0.00000050) X
PeCDDs (total)		NA	NA	ND(0.00000031)	0.0000038
1,2,3,4,7,8-HxCDD		NA	NA	ND(0.00000031)	0.00000067 J
1,2,3,6,7,8-HxCDD		NA	NA	ND(0.00000031)	0.00000089 J
1,2,3,7,8,9-HxCDD		NA	NA	ND(0.00000031)	0.0000013 J
HxCDDs (total)		NA	NA	ND(0.00000051)	0.000011
1,2,3,4,6,7,8-HpCDD		NA	NA	ND(0.00000030) X	0.0000081
HpCDDs (total)		NA	NA	ND(0.00000031)	0.000016
OCDD		NA	NA	0.0000011 J	0.000044
Total TEQs (WHO TEFs)		NA	NA	0.00000035	0.000011
Inorganics					
Antimony		NA	NA	ND(6.00)	ND(6.00)
Arsenic		NA	NA	0.700 B	4.40
Barium		NA	NA	11.0 B	49.0
Beryllium		NA	NA	0.170 B	0.500 B
Cadmium		NA	NA	0.270 B	1.00
Chromium		NA	NA	3.60	15.0
Cobalt		NA	NA	2.90 B	10.0
Copper		NA	NA	4.00	28.0
Cyanide		NA	NA	0.0420 B	0.0700 B
Lead		NA	NA	2.00	73.0
Mercury		NA	NA	ND(0.150)	0.370
Nickel		NA	NA	5.30	16.0
Selenium		NA	NA	ND(1.10)	0.680 B
Silver		NA	NA	ND(1.10)	ND(1.00)
Sulfide		NA	NA	15.0	6.40 B
Tin		NA	NA	2.80 B	4.10 B
Vanadium		NA	NA	3.90 B	18.0
Zinc		NA	NA	23.0	100

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth (Feet): Date Collected:	RAA15-B19S 10-12 05/03/04	RAA15-B19S 10-15 05/03/04	RAA15-C6 0-1 05/05/04	RAA15-C6 6-8 05/05/04	RAA15-C6 6-10 05/05/04
Volatile Organics					
Acetone	ND(0.028)	NA	NA	ND(0.024)	NA
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	ND(0.52)	ND(0.42)	NA	ND(0.40)
1,2,4-Trichlorobenzene	NA	ND(0.52)	ND(0.42)	NA	ND(0.40)
2,4-Dinitrotoluene	NA	ND(0.52)	0.86	NA	ND(0.40)
2-Methylnaphthalene	NA	ND(0.52)	ND(0.42)	NA	ND(0.40)
3&4-Methylphenol	NA	ND(0.87)	ND(0.84)	NA	0.57 J
Acenaphthene	NA	ND(0.52)	ND(0.42)	NA	ND(0.40)
Acenaphthylene	NA	ND(0.52)	0.14 J	NA	0.80
Aniline	NA	ND(0.52)	0.31 J	NA	ND(0.40)
Anthracene	NA	ND(0.52)	0.42	NA	0.53
Benzo(a)anthracene	NA	ND(0.52)	0.96	NA	1.4
Benzo(a)pyrene	NA	0.14 J	ND(0.42)	NA	1.0
Benzo(b)fluoranthene	NA	ND(0.52)	0.55	NA	1.0
Benzo(g,h,i)perylene	NA	ND(0.52)	0.38 J	NA	0.72
Benzo(k)fluoranthene	NA	ND(0.52)	0.68	NA	1.0
bis(2-Ethylhexyl)phthalate	NA	ND(0.43)	0.27 J	NA	ND(0.39)
Chrysene	NA	ND(0.52)	1.1	NA	1.6
Dibenzo(a,h)anthracene	NA	ND(0.52)	0.11 J	NA	0.19 J
Dibenzofuran	NA	ND(0.52)	0.10 J	NA	0.085 J
Di-n-Butylphthalate	NA	ND(0.52)	0.092 J	NA	ND(0.40)
Fluoranthene	NA	ND(0.52)	2.7	NA	3.4
Fluorene	NA	ND(0.52)	0.20 J	NA	ND(0.40)
Indeno(1,2,3-cd)pyrene	NA	ND(0.52)	0.34 J	NA	0.62
Naphthalene	NA	ND(0.52)	ND(0.42)	NA	0.16 J
Pentachlorobenzene	NA	ND(0.52)	ND(0.42)	NA	ND(0.40)
Phenanthrene	NA	ND(0.52)	1.9	NA	1.7
Pyrene	NA	ND(0.52)	2.1	NA	3.1
Furans					
2,3,7,8-TCDF	NA	ND(0.00000094) X	NA	NA	0.000038 Y
TCDFs (total)	NA	ND(0.0000011)	NA	NA	0.00054 QI
1,2,3,7,8-PeCDF	NA	ND(0.0000026)	NA	NA	0.00021 Q
2,3,4,7,8-PeCDF	NA	ND(0.0000026)	NA	NA	0.000074 Q
PeCDFs (total)	NA	ND(0.0000026)	NA	NA	0.00064 QI
1,2,3,4,7,8-HxCDF	NA	0.00000090 J	NA	NA	0.00011
1,2,3,6,7,8-HxCDF	NA	0.00000071 J	NA	NA	0.000046
1,2,3,7,8,9-HxCDF	NA	ND(0.0000026)	NA	NA	0.000097 Q
2,3,4,6,7,8-HxCDF	NA	ND(0.0000026)	NA	NA	0.000062
HxCDFs (total)	NA	0.00000027	NA	NA	0.00095 Q
1,2,3,4,6,7,8-HpCDF	NA	0.00000015 J	NA	NA	0.00022
1,2,3,4,7,8,9-HpCDF	NA	ND(0.0000026)	NA	NA	0.000086
HpCDFs (total)	NA	0.00000015	NA	NA	0.00047
OCDF	NA	ND(0.0000052)	NA	NA	0.00052

TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004

SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth (Feet): Date Collected:	RAA15-B19S 10-12 05/03/04	RAA15-B19S 10-15 05/03/04	RAA15-C6 0-1 05/05/04	RAA15-C6 6-8 05/05/04	RAA15-C6 6-10 05/05/04
Dioxins					
2,3,7,8-TCDD	NA	ND(0.0000011)	NA	NA	0.0000064 JQ
TCDDs (total)	NA	ND(0.0000025)	NA	NA	0.000010 Q
1,2,3,7,8-PeCDD	NA	ND(0.0000026)	NA	NA	0.000022 JQ
PeCDDs (total)	NA	ND(0.0000026)	NA	NA	0.000085 Q
1,2,3,4,7,8-HxCDD	NA	ND(0.0000026)	NA	NA	0.000015 J
1,2,3,6,7,8-HxCDD	NA	ND(0.0000026)	NA	NA	0.000037
1,2,3,7,8,9-HxCDD	NA	ND(0.0000026)	NA	NA	0.000025
HxCDDs (total)	NA	ND(0.0000046)	NA	NA	0.000031
1,2,3,4,6,7,8-HpCDD	NA	0.0000017 J	NA	NA	0.000026
HpCDDs (total)	NA	0.0000017	NA	NA	0.000049
OCDD	NA	0.0000081 J	NA	NA	0.00018
Total TEQs (WHO TEFs)	NA	0.0000035	NA	NA	0.000072
Inorganics					
Antimony	NA	ND(6.00)	NA	NA	1.90 B
Arsenic	NA	0.720 B	NA	NA	3.60
Barium	NA	13.0 B	NA	NA	56.0
Beryllium	NA	0.140 B	NA	NA	0.180 B
Cadmium	NA	0.290 B	NA	NA	0.700
Chromium	NA	4.10	NA	NA	6.30
Cobalt	NA	3.80 B	NA	NA	3.60 B
Copper	NA	4.20	NA	NA	77.0
Cyanide	NA	ND(0.130)	NA	NA	0.280
Lead	NA	2.50	NA	NA	95.0
Mercury	NA	ND(0.130)	NA	NA	3.80
Nickel	NA	6.80	NA	NA	6.20
Selenium	NA	0.660 B	NA	NA	ND(1.00)
Silver	NA	ND(1.00)	NA	NA	ND(1.00)
Sulfide	NA	12.0	NA	NA	46.0
Tin	NA	2.80 B	NA	NA	8.80 B
Vanadium	NA	4.50 B	NA	NA	8.10
Zinc	NA	25.0	NA	NA	75.0

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth (Feet): Date Collected:	RAA15-C11 3-6 05/05/04	RAA15-C11E 1-3 05/05/04	RAA15-C11NE 1-3 05/05/04	RAA15-C11NW 1-3 05/05/04
Volatile Organics				
Acetone	NA	NA	NA	NA
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.36) [ND(0.37)]	ND(0.37)	ND(0.38)	ND(0.37)
1,2,4-Trichlorobenzene	ND(0.36) [ND(0.37)]	ND(0.37)	ND(0.38)	ND(0.37)
2,4-Dinitrotoluene	ND(0.36) [ND(0.37)]	ND(0.37)	ND(0.38)	ND(0.37)
2-Methylnaphthalene	ND(0.36) [ND(0.37)]	0.69	0.20 J	0.80
3&4-Methylphenol	ND(0.73) [ND(0.74)]	ND(0.75)	ND(0.75)	ND(0.74)
Acenaphthene	0.14 J [0.15 J]	3.4	1.1	4.2
Acenaphthylene	0.15 J [0.087 J]	0.47	0.47	0.53
Aniline	ND(0.36) [ND(0.37)]	ND(0.37)	ND(0.38)	ND(0.37)
Anthracene	0.37 [0.43]	12	4.1	10
Benzo(a)anthracene	1.2 [0.93]	26	12	24
Benzo(a)pyrene	0.66 [0.48]	14	6.6	13
Benzo(b)fluoranthene	0.62 [0.38]	14	6.0	12
Benzo(g,h,i)perylene	0.44 [0.26 J]	6.0	3.6	7.1
Benzo(k)fluoranthene	0.72 [0.47]	18	5.9	14
bis(2-Ethylhexyl)phthalate	ND(0.36) [ND(0.36)]	ND(0.37)	ND(0.37)	ND(0.37)
Chrysene	1.2 [0.96]	26	11	24
Dibenzo(a,h)anthracene	0.14 J [ND(0.37)]	2.3	1.4	2.6
Dibenzofuran	ND(0.36) [0.079 J]	2.0	0.62	2.4
Di-n-Butylphthalate	ND(0.36) [ND(0.37)]	ND(0.37)	ND(0.38)	ND(0.37)
Fluoranthene	2.4 [2.4]	66	29	60
Fluorene	0.12 J [0.13 J]	4.4	1.3	5.1
Indeno(1,2,3-cd)pyrene	0.40 [0.25 J]	5.7	3.2	6.5
Naphthalene	0.13 J [0.15 J]	2.0	0.75	2.1
Pentachlorobenzene	ND(0.36) [ND(0.37)]	ND(0.37)	ND(0.38)	ND(0.37)
Phenanthrene	1.3 [1.5]	40	13	38
Pyrene	2.1 [1.9]	50	23	46
Furans				
2,3,7,8-TCDF	NA	NA	NA	NA
TCDFs (total)	NA	NA	NA	NA
1,2,3,7,8-PeCDF	NA	NA	NA	NA
2,3,4,7,8-PeCDF	NA	NA	NA	NA
PeCDFs (total)	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF	NA	NA	NA	NA
1,2,3,7,8,9-HxCDF	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	NA	NA	NA	NA
HxCDFs (total)	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	NA	NA	NA	NA
HpCDFs (total)	NA	NA	NA	NA
OCDF	NA	NA	NA	NA

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth (Feet): Date Collected:	RAA15-C11 3-6 05/05/04	RAA15-C11E 1-3 05/05/04	RAA15-C11NE 1-3 05/05/04	RAA15-C11NW 1-3 05/05/04
Dioxins					
2,3,7,8-TCDD		NA	NA	NA	NA
TCDDs (total)		NA	NA	NA	NA
1,2,3,7,8-PeCDD		NA	NA	NA	NA
PeCDDs (total)		NA	NA	NA	NA
1,2,3,4,7,8-HxCDD		NA	NA	NA	NA
1,2,3,6,7,8-HxCDD		NA	NA	NA	NA
1,2,3,7,8,9-HxCDD		NA	NA	NA	NA
HxCDDs (total)		NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD		NA	NA	NA	NA
HpCDDs (total)		NA	NA	NA	NA
OCDD		NA	NA	NA	NA
Total TEQs (WHO TEFs)		NA	NA	NA	NA
Inorganics					
Antimony		NA	NA	NA	NA
Arsenic		NA	NA	NA	NA
Barium		NA	NA	NA	NA
Beryllium		NA	NA	NA	NA
Cadmium		NA	NA	NA	NA
Chromium		NA	NA	NA	NA
Cobalt		NA	NA	NA	NA
Copper		NA	NA	NA	NA
Cyanide		NA	NA	NA	NA
Lead		NA	NA	NA	NA
Mercury		NA	NA	NA	NA
Nickel		NA	NA	NA	NA
Selenium		NA	NA	NA	NA
Silver		NA	NA	NA	NA
Sulfide		NA	NA	NA	NA
Tin		NA	NA	NA	NA
Vanadium		NA	NA	NA	NA
Zinc		NA	NA	NA	NA

TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004

SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth (Feet): Date Collected:	RAA15-E2NE 1-3 05/05/04	RAA15-E2NW 1-3 05/05/04	RAA15-E2SE 1-3 05/05/04	RAA15-E2SW 1-3 05/05/04
Volatile Organics					
Acetone		NA	NA	NA	NA
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene		NA	NA	NA	NA
1,2,4-Trichlorobenzene		NA	NA	NA	NA
2,4-Dinitrotoluene		NA	NA	NA	NA
2-Methylnaphthalene		NA	NA	NA	NA
3&4-Methylphenol		NA	NA	NA	NA
Acenaphthene		NA	NA	NA	NA
Acenaphthylene		NA	NA	NA	NA
Aniline		NA	NA	NA	NA
Anthracene		NA	NA	NA	NA
Benzo(a)anthracene		NA	NA	NA	NA
Benzo(a)pyrene		NA	NA	NA	NA
Benzo(b)fluoranthene		NA	NA	NA	NA
Benzo(g,h,i)perylene		NA	NA	NA	NA
Benzo(k)fluoranthene		NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate		NA	NA	NA	NA
Chrysene		NA	NA	NA	NA
Dibenzo(a,h)anthracene		NA	NA	NA	NA
Dibenzofuran		NA	NA	NA	NA
Di-n-Butylphthalate		NA	NA	NA	NA
Fluoranthene		NA	NA	NA	NA
Fluorene		NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene		NA	NA	NA	NA
Naphthalene		NA	NA	NA	NA
Pentachlorobenzene		NA	NA	NA	NA
Phenanthrene		NA	NA	NA	NA
Pyrene		NA	NA	NA	NA
Furans					
2,3,7,8-TCDF		NA	NA	NA	NA
TCDFs (total)		NA	NA	NA	NA
1,2,3,7,8-PeCDF		NA	NA	NA	NA
2,3,4,7,8-PeCDF		NA	NA	NA	NA
PeCDFs (total)		NA	NA	NA	NA
1,2,3,4,7,8-HxCDF		NA	NA	NA	NA
1,2,3,6,7,8-HxCDF		NA	NA	NA	NA
1,2,3,7,8,9-HxCDF		NA	NA	NA	NA
2,3,4,6,7,8-HxCDF		NA	NA	NA	NA
HxCDFs (total)		NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF		NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF		NA	NA	NA	NA
HpCDFs (total)		NA	NA	NA	NA
OCDF		NA	NA	NA	NA

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth (Feet): Date Collected:	RAA15-E2NE 1-3 05/05/04	RAA15-E2NW 1-3 05/05/04	RAA15-E2SE 1-3 05/05/04	RAA15-E2SW 1-3 05/05/04
Dioxins					
2,3,7,8-TCDD		NA	NA	NA	NA
TCDDs (total)		NA	NA	NA	NA
1,2,3,7,8-PeCDD		NA	NA	NA	NA
PeCDDs (total)		NA	NA	NA	NA
1,2,3,4,7,8-HxCDD		NA	NA	NA	NA
1,2,3,6,7,8-HxCDD		NA	NA	NA	NA
1,2,3,7,8,9-HxCDD		NA	NA	NA	NA
HxCDDs (total)		NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD		NA	NA	NA	NA
HpCDDs (total)		NA	NA	NA	NA
OCDD		NA	NA	NA	NA
Total TEQs (WHO TEFs)		NA	NA	NA	NA
Inorganics					
Antimony		610	400	820	130
Arsenic		NA	NA	NA	NA
Barium		NA	NA	NA	NA
Beryllium		NA	NA	NA	NA
Cadmium		NA	NA	NA	NA
Chromium		NA	NA	NA	NA
Cobalt		NA	NA	NA	NA
Copper		NA	NA	NA	NA
Cyanide		NA	NA	NA	NA
Lead		850	6500	11000	5900
Mercury		NA	NA	NA	NA
Nickel		NA	NA	NA	NA
Selenium		NA	NA	NA	NA
Silver		NA	NA	NA	NA
Sulfide		NA	NA	NA	NA
Tin		NA	NA	NA	NA
Vanadium		NA	NA	NA	NA
Zinc		NA	NA	NA	NA

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth (Feet): Date Collected:	RAA15-E5 1-3 05/05/04	RAA15-E5NE 0-1 05/05/04	RAA15-E5NW 0-1 05/05/04	RAA15-E5SE 0-1 05/05/04
Parameter				
Volatile Organics				
Acetone	NA	NA	NA	NA
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.38)	ND(0.38)	ND(0.39)	ND(0.39)
1,2,4-Trichlorobenzene	ND(0.38)	ND(0.38)	ND(0.39)	ND(0.39)
2,4-Dinitrotoluene	ND(0.38)	ND(0.38)	ND(0.39)	ND(0.39)
2-Methylnaphthalene	ND(0.38)	0.082 J	0.11 J	0.29 J
3&4-Methylphenol	ND(0.76)	ND(0.77)	ND(0.78)	ND(0.79)
Acenaphthene	ND(0.38)	0.093 J	0.62	1.9
Acenaphthylene	0.13 J	0.21 J	ND(0.39)	0.096 J
Aniline	ND(0.38)	ND(0.38)	ND(0.39)	ND(0.39)
Anthracene	0.12 J	0.25 J	1.3	2.4
Benzo(a)anthracene	0.29 J	0.58	3.2	4.2
Benzo(a)pyrene	0.20 J	0.39	1.7	2.2
Benzo(b)fluoranthene	0.19 J	0.33 J	1.6	2.0
Benzo(g,h,i)perylene	0.17 J	0.30 J	1.0	1.2
Benzo(k)fluoranthene	0.19 J	0.36 J	1.6	2.1
bis(2-Ethylhexyl)phthalate	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.39)
Chrysene	0.36 J	0.64	3.3	4.2
Dibenzo(a,h)anthracene	ND(0.38)	0.11 J	0.23 J	0.46
Dibenzofuran	ND(0.38)	ND(0.38)	0.22 J	0.83
Di-n-Butylphthalate	ND(0.38)	ND(0.38)	ND(0.39)	ND(0.39)
Fluoranthene	0.67	1.2	9.5 E	15
Fluorene	ND(0.38)	ND(0.38)	0.45	1.3
Indeno(1,2,3-cd)pyrene	0.14 J	0.24 J	0.91	1.1
Naphthalene	ND(0.38)	0.16 J	0.24 J	1.0
Pentachlorobenzene	ND(0.38)	ND(0.38)	ND(0.39)	ND(0.39)
Phenanthrene	0.35 J	0.70	5.6	14
Pyrene	0.64	1.2	7.3	12
Furans				
2,3,7,8-TCDF	NA	NA	NA	NA
TCDFs (total)	NA	NA	NA	NA
1,2,3,7,8-PeCDF	NA	NA	NA	NA
2,3,4,7,8-PeCDF	NA	NA	NA	NA
PeCDFs (total)	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF	NA	NA	NA	NA
1,2,3,7,8,9-HxCDF	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	NA	NA	NA	NA
HxCDFs (total)	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	NA	NA	NA	NA
HpCDFs (total)	NA	NA	NA	NA
OCDF	NA	NA	NA	NA

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth (Feet): Date Collected:	RAA15-E5 1-3 05/05/04	RAA15-E5NE 0-1 05/05/04	RAA15-E5NW 0-1 05/05/04	RAA15-E5SE 0-1 05/05/04
Dioxins					
2,3,7,8-TCDD		NA	NA	NA	NA
TCDDs (total)		NA	NA	NA	NA
1,2,3,7,8-PeCDD		NA	NA	NA	NA
PeCDDs (total)		NA	NA	NA	NA
1,2,3,4,7,8-HxCDD		NA	NA	NA	NA
1,2,3,6,7,8-HxCDD		NA	NA	NA	NA
1,2,3,7,8,9-HxCDD		NA	NA	NA	NA
HxCDDs (total)		NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD		NA	NA	NA	NA
HpCDDs (total)		NA	NA	NA	NA
OCDD		NA	NA	NA	NA
Total TEQs (WHO TEFs)		NA	NA	NA	NA
Inorganics					
Antimony		NA	NA	NA	NA
Arsenic		NA	NA	NA	NA
Barium		NA	NA	NA	NA
Beryllium		NA	NA	NA	NA
Cadmium		NA	NA	NA	NA
Chromium		NA	NA	NA	NA
Cobalt		NA	NA	NA	NA
Copper		NA	NA	NA	NA
Cyanide		NA	NA	NA	NA
Lead		NA	NA	NA	NA
Mercury		NA	NA	NA	NA
Nickel		NA	NA	NA	NA
Selenium		NA	NA	NA	NA
Silver		NA	NA	NA	NA
Sulfide		NA	NA	NA	NA
Tin		NA	NA	NA	NA
Vanadium		NA	NA	NA	NA
Zinc		NA	NA	NA	NA

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth (Feet): Date Collected:	RAA15-E5SW 0-1 05/05/04	RAA15-E7 1-3 05/04/04	RAA15-E7NE 0-1 05/04/04	RAA15-E7NW 0-1 05/04/04
Volatile Organics				
Acetone	NA	NA	NA	NA
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.36)	ND(0.39)	ND(0.60)	ND(0.48)
1,2,4-Trichlorobenzene	ND(0.36)	ND(0.39)	ND(0.60)	ND(0.48)
2,4-Dinitrotoluene	ND(0.36)	ND(0.39)	ND(0.60)	ND(0.48)
2-Methylnaphthalene	ND(0.36)	2.1	ND(0.60)	ND(0.48)
3&4-Methylphenol	ND(0.72)	ND(0.78)	ND(0.81)	ND(0.96)
Acenaphthene	0.088 J	16	0.43 J	0.21 J
Acenaphthylene	0.083 J	0.56	ND(0.60)	1.2
Aniline	ND(0.36)	ND(0.39)	ND(0.60)	ND(0.48)
Anthracene	0.14 J	33	0.74	1.6
Benzo(a)anthracene	0.40	54	0.79	5.2
Benzo(a)pyrene	0.25 J	32	0.30 J	3.6
Benzo(b)fluoranthene	0.24 J	25	0.29 J	2.8
Benzo(g,h,i)perylene	0.18 J	19	0.14 J	2.3
Benzo(k)fluoranthene	0.25 J	32	0.34 J	4.0
bis(2-Ethylhexyl)phthalate	ND(0.35)	ND(0.38)	ND(0.40)	0.28 J
Chrysene	0.44	54	0.83	6.0
Dibenzo(a,h)anthracene	ND(0.36)	6.6	ND(0.60)	0.73
Dibenzofuran	ND(0.36)	7.1	0.28 J	0.10 J
Di-n-Butylphthalate	ND(0.36)	ND(0.39)	ND(0.60)	ND(0.48)
Fluoranthene	0.99	160	3.3	13
Fluorene	ND(0.36)	14	0.42 J	0.44 J
Indeno(1,2,3-cd)pyrene	0.16 J	17	0.13 J	2.0
Naphthalene	ND(0.36)	5.5	0.46 J	ND(0.48)
Pentachlorobenzene	ND(0.36)	ND(0.39)	ND(0.60)	ND(0.48)
Phenanthrene	0.66	130	3.3	6.3
Pyrene	0.82	130	2.4	12
Furans				
2,3,7,8-TCDF	NA	NA	NA	NA
TCDFs (total)	NA	NA	NA	NA
1,2,3,7,8-PeCDF	NA	NA	NA	NA
2,3,4,7,8-PeCDF	NA	NA	NA	NA
PeCDFs (total)	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF	NA	NA	NA	NA
1,2,3,7,8,9-HxCDF	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	NA	NA	NA	NA
HxCDFs (total)	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	NA	NA	NA	NA
HpCDFs (total)	NA	NA	NA	NA
OCDF	NA	NA	NA	NA

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth (Feet): Date Collected:	RAA15-E5SW 0-1 05/05/04	RAA15-E7 1-3 05/04/04	RAA15-E7NE 0-1 05/04/04	RAA15-E7NW 0-1 05/04/04
Dioxins					
2,3,7,8-TCDD		NA	NA	NA	NA
TCDDs (total)		NA	NA	NA	NA
1,2,3,7,8-PeCDD		NA	NA	NA	NA
PeCDDs (total)		NA	NA	NA	NA
1,2,3,4,7,8-HxCDD		NA	NA	NA	NA
1,2,3,6,7,8-HxCDD		NA	NA	NA	NA
1,2,3,7,8,9-HxCDD		NA	NA	NA	NA
HxCDDs (total)		NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD		NA	NA	NA	NA
HpCDDs (total)		NA	NA	NA	NA
OCDD		NA	NA	NA	NA
Total TEQs (WHO TEFs)		NA	NA	NA	NA
Inorganics					
Antimony		NA	NA	NA	NA
Arsenic		NA	NA	NA	NA
Barium		NA	NA	NA	NA
Beryllium		NA	NA	NA	NA
Cadmium		NA	NA	NA	NA
Chromium		NA	NA	NA	NA
Cobalt		NA	NA	NA	NA
Copper		NA	NA	NA	NA
Cyanide		NA	NA	NA	NA
Lead		NA	NA	NA	NA
Mercury		NA	NA	NA	NA
Nickel		NA	NA	NA	NA
Selenium		NA	NA	NA	NA
Silver		NA	NA	NA	NA
Sulfide		NA	NA	NA	NA
Tin		NA	NA	NA	NA
Vanadium		NA	NA	NA	NA
Zinc		NA	NA	NA	NA

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth (Feet): Parameter Date Collected:	RAA15-E7SE 0-1 05/04/04	RAA15-E7SW 0-1 05/04/04	RAA15-E8E 1-3 05/04/04	RAA15-E8N 1-3 05/04/04	RAA15-E8S 1-3 05/04/04
Volatile Organics					
Acetone	NA	NA	NA	NA	NA
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.39)	ND(0.57)	ND(0.38)	ND(0.37)	ND(0.38)
1,2,4-Trichlorobenzene	ND(0.39)	ND(0.57)	ND(0.38)	ND(0.37)	ND(0.38)
2,4-Dinitrotoluene	ND(0.39)	ND(0.57)	ND(0.38)	ND(0.37)	ND(0.38)
2-Methylnaphthalene	ND(0.39)	ND(0.57)	ND(0.38)	ND(0.37)	1.3
3&4-Methylphenol	ND(0.78)	ND(0.88)	ND(0.76)	ND(0.75)	ND(0.76)
Acenaphthene	4.0	0.31 J	0.11 J	1.5	7.2
Acenaphthylene	0.48	0.24 J	0.083 J	0.59	2.2
Aniline	ND(0.39)	ND(0.57)	ND(0.38)	ND(0.37)	ND(0.38)
Anthracene	9.8	1.0	0.55	12	18
Benzo(a)anthracene	20	2.2	2.2	60	33
Benzo(a)pyrene	9.7	1.2	1.3	28	15
Benzo(b)fluoranthene	9.2	1.2	1.1	29	14
Benzo(g,h,i)perylene	4.8	0.67	0.70	14	6.7
Benzo(k)fluoranthene	11	1.3	1.4	28	22
bis(2-Ethylhexyl)phthalate	ND(0.39)	ND(0.43)	ND(0.37)	ND(0.37)	1.2
Chrysene	20	2.2	2.1	58	33
Dibenzo(a,h)anthracene	1.9	0.27 J	0.26 J	4.2	2.6
Dibenzofuran	2.5	0.19 J	ND(0.38)	0.82	3.9
Di-n-Butylphthalate	ND(0.39)	ND(0.57)	ND(0.38)	ND(0.37)	ND(0.38)
Fluoranthene	57	5.7	4.2	110	150
Fluorene	4.8	0.43 J	0.14 J	2.3	7.5
Indeno(1,2,3-cd)pyrene	4.6	0.57	0.63	12	6.6
Naphthalene	2.5	0.19 J	ND(0.38)	0.52	3.7
Pentachlorobenzene	ND(0.39)	ND(0.57)	ND(0.38)	ND(0.37)	ND(0.38)
Phenanthrene	37	3.2	1.9	39	64
Pyrene	43	4.5	3.5	97	71
Furans					
2,3,7,8-TCDF	NA	NA	NA	NA	NA
TCDFs (total)	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDF	NA	NA	NA	NA	NA
2,3,4,7,8-PeCDF	NA	NA	NA	NA	NA
PeCDFs (total)	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF	NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDF	NA	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	NA	NA	NA	NA	NA
HxCDFs (total)	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	NA	NA	NA	NA	NA
HpCDFs (total)	NA	NA	NA	NA	NA
OCDF	NA	NA	NA	NA	NA

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth (Feet): Date Collected:	RAA15-E7SE 0-1 05/04/04	RAA15-E7SW 0-1 05/04/04	RAA15-E8E 1-3 05/04/04	RAA15-E8N 1-3 05/04/04	RAA15-E8S 1-3 05/04/04
Dioxins					
2,3,7,8-TCDD	NA	NA	NA	NA	NA
TCDDs (total)	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDD	NA	NA	NA	NA	NA
PeCDDs (total)	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDD	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD	NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDD	NA	NA	NA	NA	NA
HxCDDs (total)	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	NA	NA	NA	NA	NA
HpCDDs (total)	NA	NA	NA	NA	NA
OCDD	NA	NA	NA	NA	NA
Total TEQs (WHO TEFs)	NA	NA	NA	NA	NA
Inorganics					
Antimony	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA
Sulfide	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth (Feet): Date Collected:	RAA15-E8W 1-3 05/04/04	RAA15-E15N 0-1 05/04/04	RAA15-E15N 1-3 05/04/04	RAA15-E15N 3-6 05/04/04
Volatile Organics				
Acetone	NA	ND(0.022) [ND(0.022)]	ND(0.022)	NA
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	5.3	ND(0.37)	ND(0.37)	ND(0.37)
1,2,4-Trichlorobenzene	0.10 J	ND(0.37)	ND(0.37)	ND(0.37)
2,4-Dinitrotoluene	ND(0.40)	ND(0.37)	ND(0.37)	ND(0.37)
2-Methylnaphthalene	2.0	ND(0.37)	ND(0.37)	ND(0.37)
3&4-Methylphenol	ND(0.80)	ND(0.75)	ND(0.74)	ND(0.74)
Acenaphthene	13	0.15 J	0.43	0.20 J
Acenaphthylene	0.74	0.10 J	ND(0.37)	ND(0.37)
Aniline	ND(0.40)	ND(0.37)	ND(0.37)	ND(0.37)
Anthracene	30	0.31 J	1.3	0.39
Benzo(a)anthracene	100	0.85	3.4	0.65
Benzo(a)pyrene	38	0.50	1.6	0.38
Benzo(b)fluoranthene	37	0.52	1.7	0.34 J
Benzo(g,h,i)perylene	18	0.34 J	0.85	0.24 J
Benzo(k)fluoranthene	38	0.50	1.6	0.36 J
bis(2-Ethylhexyl)phthalate	ND(0.39)	ND(0.37)	ND(0.36)	ND(0.36)
Chrysene	98	0.88	3.1	0.65
Dibenzo(a,h)anthracene	6.1	0.10 J	0.29 J	ND(0.37)
Dibenzofuran	6.3	ND(0.37)	0.27 J	0.13 J
Di-n-Butylphthalate	ND(0.40)	ND(0.37)	ND(0.37)	ND(0.37)
Fluoranthene	270	2.1	9.2	1.6
Fluorene	14	0.12 J	0.45	0.16 J
Indeno(1,2,3-cd)pyrene	17	0.30 J	0.78	0.19 J
Naphthalene	6.9	ND(0.37)	0.27 J	0.12 J
Pentachlorobenzene	0.37 J	ND(0.37)	ND(0.37)	ND(0.37)
Phenanthrene	150	1.3	4.7	1.4
Pyrene	200	1.7	6.8	1.4
Furans				
2,3,7,8-TCDF	NA	0.000087 Y	0.000071 Y	0.000095 Y
TCDFs (total)	NA	0.00016 Q	0.000081 QI	0.00011 QI
1,2,3,7,8-PeCDF	NA	0.0000079 Q	0.0000036 Q	0.0000048
2,3,4,7,8-PeCDF	NA	0.000030 Q	0.000017 Q	0.000013
PeCDFs (total)	NA	0.00021 QI	0.00010 QI	0.00010 QI
1,2,3,4,7,8-HxCDF	NA	0.000026	0.000012	0.000015
1,2,3,6,7,8-HxCDF	NA	0.000015	0.0000070	0.0000068
1,2,3,7,8,9-HxCDF	NA	0.0000044 Q	0.0000020 JQ	0.0000049 Q
2,3,4,6,7,8-HxCDF	NA	0.000027	0.000018	0.000011
HxCDFs (total)	NA	0.00047 QI	0.00024 Q	0.00019 Q
1,2,3,4,6,7,8-HpCDF	NA	0.000046	0.000027	0.000033
1,2,3,4,7,8,9-HpCDF	NA	0.0000091	0.0000048	0.0000051
HpCDFs (total)	NA	0.00010	0.000072	0.000084
OCDF	NA	0.000042	0.000026	0.000042

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth (Feet): Date Collected:	RAA15-E8W 1-3 05/04/04	RAA15-E15N 0-1 05/04/04	RAA15-E15N 1-3 05/04/04	RAA15-E15N 3-6 05/04/04
Dioxins					
2,3,7,8-TCDD		NA	0.00000039 J	0.00000034 JQ	0.00000039 J
TCDDs (total)		NA	0.0000038 Q	0.0000014 Q	0.0000091
1,2,3,7,8-PeCDD		NA	ND(0.00000083) X	0.0000028 Q	0.0000044
PeCDDs (total)		NA	0.000010 Q	0.000017 Q	0.0000071 Q
1,2,3,4,7,8-HxCDD		NA	0.0000015 J	0.0000018 J	0.0000050
1,2,3,6,7,8-HxCDD		NA	0.0000021 J	0.0000067	0.000015
1,2,3,7,8,9-HxCDD		NA	0.0000019 J	0.0000042	0.0000097
HxCDDs (total)		NA	0.000021	0.000059 Q	0.00015
1,2,3,4,6,7,8-HpCDD		NA	0.000017	0.000053	0.000055
HpCDDs (total)		NA	0.000034	0.00011	0.00015
OCDD		NA	0.00015	0.00032	0.00030
Total TEQs (WHO TEFs)		NA	0.000026	0.000019	0.000020
Inorganics					
Antimony		NA	1.90 B	1.20 B	1.60 B
Arsenic		NA	4.50	4.40	7.70
Barium		NA	47.0	42.0	140
Beryllium		NA	0.200 B	0.210 B	0.210 B
Cadmium		NA	0.480 B	0.540	1.00
Chromium		NA	6.90	6.80	10.0
Cobalt		NA	4.40 B	4.70 B	6.20
Copper		NA	18.0	52.0	96.0
Cyanide		NA	0.0430 B	0.0800 B	0.100 B
Lead		NA	23.0	27.0	200
Mercury		NA	0.0360 B	0.260	0.260
Nickel		NA	7.70	10.0	14.0
Selenium		NA	0.670 B	ND(1.00)	ND(1.00)
Silver		NA	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide		NA	970	7.00	16.0
Tin		NA	2.90 B	4.50 B	10.0
Vanadium		NA	7.90	9.20	11.0
Zinc		NA	35.0	49.0	180

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth (Feet): Date Collected:	RAA15-E15N 4-6 05/04/04	RAA15-E15N 6-10 05/04/04	RAA15-E15N 8-10 05/04/04	RAA15-E15W 0-1 05/03/04	RAA15-E15W 1-3 05/03/04
Volatile Organics					
Acetone	ND(0.022)	NA	ND(0.022)	ND(0.023)	ND(0.022)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND(0.39)	ND(0.37)
1,2,4-Trichlorobenzene	NA	NA	NA	ND(0.39)	ND(0.37)
2,4-Dinitrotoluene	NA	NA	NA	ND(0.39)	ND(0.37)
2-Methylnaphthalene	NA	NA	NA	ND(0.39)	ND(0.37)
3&4-Methylphenol	NA	NA	NA	ND(0.78)	ND(0.75)
Acenaphthene	NA	NA	NA	0.12 J	0.12 J
Acenaphthylene	NA	NA	NA	0.085 J	ND(0.37)
Aniline	NA	NA	NA	ND(0.39)	ND(0.37)
Anthracene	NA	NA	NA	0.39	0.40
Benzo(a)anthracene	NA	NA	NA	1.0	0.77
Benzo(a)pyrene	NA	NA	NA	0.62	0.36 J
Benzo(b)fluoranthene	NA	NA	NA	0.65	0.36 J
Benzo(g,h,i)perylene	NA	NA	NA	0.36 J	0.21 J
Benzo(k)fluoranthene	NA	NA	NA	0.67	0.38
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND(0.38)	ND(0.37)
Chrysene	NA	NA	NA	1.0	0.77
Dibenzo(a,h)anthracene	NA	NA	NA	0.13 J	ND(0.37)
Dibenzofuran	NA	NA	NA	0.081 J	0.074 J
Di-n-Butylphthalate	NA	NA	NA	ND(0.39)	ND(0.37)
Fluoranthene	NA	NA	NA	2.6	2.0
Fluorene	NA	NA	NA	0.13 J	0.16 J
Indeno(1,2,3-cd)pyrene	NA	NA	NA	0.31 J	0.19 J
Naphthalene	NA	NA	NA	ND(0.39)	ND(0.37)
Pentachlorobenzene	NA	NA	NA	ND(0.39)	ND(0.37)
Phenanthrene	NA	NA	NA	1.3	1.4
Pyrene	NA	NA	NA	2.2	1.6
Furans					
2,3,7,8-TCDF	NA	0.0000035 Y	NA	0.000012 Y	0.0000067 Y
TCDFs (total)	NA	0.000033 QI	NA	0.00018 Q	0.000064 Q
1,2,3,7,8-PeCDF	NA	0.0000018 J	NA	0.0000081	0.0000028 Q
2,3,4,7,8-PeCDF	NA	0.0000038	NA	0.000027	0.0000063 Q
PeCDFs (total)	NA	0.000036 QI	NA	0.00019 Q	0.000025 Q
1,2,3,4,7,8-HxCDF	NA	0.0000021 J	NA	0.000020	0.0000043
1,2,3,6,7,8-HxCDF	NA	0.0000014 J	NA	0.0000098	0.0000027
1,2,3,7,8,9-HxCDF	NA	0.0000068 JQ	NA	0.0000025 Q	0.0000039 JQ
2,3,4,6,7,8-HxCDF	NA	0.0000020 J	NA	0.000019	0.0000049
HxCDFs (total)	NA	0.000029 Q	NA	0.00036 Q	0.000075 Q
1,2,3,4,6,7,8-HpCDF	NA	0.0000073	NA	0.000062	0.000023
1,2,3,4,7,8,9-HpCDF	NA	0.0000052 J	NA	0.000012	0.0000018 J
HpCDFs (total)	NA	0.000014	NA	0.00014	0.000067
OCDF	NA	0.0000067	NA	0.000077	0.000030

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth (Feet): Date Collected:	RAA15-E15N 4-6 05/04/04	RAA15-E15N 6-10 05/04/04	RAA15-E15N 8-10 05/04/04	RAA15-E15W 0-1 05/03/04	RAA15-E15W 1-3 05/03/04
Dioxins						
2,3,7,8-TCDD		NA	ND(0.00000099) X	NA	0.0000027 J	0.0000016 JQ
TCDDs (total)		NA	0.0000022	NA	0.0000030 Q	0.0000017 Q
1,2,3,7,8-PeCDD		NA	0.0000044 J	NA	0.0000013 J	0.0000069 JQ
PeCDDs (total)		NA	0.0000045 Q	NA	0.0000059 J	0.0000025 Q
1,2,3,4,7,8-HxCDD		NA	0.0000030 J	NA	0.0000010 J	0.0000044 J
1,2,3,6,7,8-HxCDD		NA	0.0000011 J	NA	0.0000022 J	0.0000045
1,2,3,7,8,9-HxCDD		NA	0.0000060 J	NA	0.0000020 J	0.0000014 JQ
HxCDDs (total)		NA	0.000011	NA	0.000017	0.000034 Q
1,2,3,4,6,7,8-HpCDD		NA	0.0000085	NA	0.000032	0.000049
HpCDDs (total)		NA	0.000017	NA	0.000062	0.00010
OCDD		NA	0.000079	NA	0.00030	0.00039
Total TEQs (WHO TEFs)		NA	0.0000038	NA	0.000023	0.0000075
Inorganics						
Antimony		NA	NA	NA	ND(6.00)	ND(6.00)
Arsenic		NA	NA	NA	5.10	5.20
Barium		NA	NA	NA	47.0	76.0
Beryllium		NA	NA	NA	0.160 B	0.250 B
Cadmium		NA	NA	NA	0.680	0.510
Chromium		NA	NA	NA	8.10	5.80
Cobalt		NA	NA	NA	5.60	7.10
Copper		NA	NA	NA	26.0	21.0
Cyanide		NA	NA	NA	0.150	0.100 B
Lead		NA	NA	NA	120	200
Mercury		NA	NA	NA	0.270	0.350
Nickel		NA	NA	NA	11.0	14.0
Selenium		NA	NA	NA	0.890 B	ND(1.00)
Silver		NA	NA	NA	ND(1.00)	ND(1.00)
Sulfide		NA	NA	NA	410	7.20
Tin		NA	NA	NA	4.00 B	3.90 B
Vanadium		NA	NA	NA	7.60	8.00
Zinc		NA	NA	NA	67.0	91.0

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth (Feet): Date Collected:	RAA15-E15W 3-6 05/03/04	RAA15-E15W 4-6 05/03/04	RAA15-E15W 10-12 05/03/04	RAA15-E15W 10-15 05/03/04
Volatile Organics					
Acetone		NA	ND(0.022)	ND(0.027)	NA
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene		ND(0.50)	NA	NA	ND(0.43)
1,2,4-Trichlorobenzene		ND(0.50)	NA	NA	ND(0.43)
2,4-Dinitrotoluene		ND(0.50)	NA	NA	ND(0.43)
2-Methylnaphthalene		ND(0.50)	NA	NA	ND(0.43)
3&4-Methylphenol		ND(0.78)	NA	NA	ND(0.87)
Acenaphthene		ND(0.50)	NA	NA	ND(0.43)
Acenaphthylene		ND(0.50)	NA	NA	ND(0.43)
Aniline		ND(0.50)	NA	NA	ND(0.43)
Anthracene		0.28 J	NA	NA	ND(0.43)
Benzo(a)anthracene		0.84	NA	NA	ND(0.43)
Benzo(a)pyrene		0.43 J	NA	NA	ND(0.43)
Benzo(b)fluoranthene		0.38 J	NA	NA	ND(0.43)
Benzo(g,h,i)perylene		0.21 J	NA	NA	ND(0.43)
Benzo(k)fluoranthene		0.41 J	NA	NA	ND(0.43)
bis(2-Ethylhexyl)phthalate		ND(0.38)	NA	NA	ND(0.43)
Chrysene		0.83	NA	NA	ND(0.43)
Dibenzo(a,h)anthracene		ND(0.50)	NA	NA	ND(0.43)
Dibenzofuran		ND(0.50)	NA	NA	ND(0.43)
Di-n-Butylphthalate		ND(0.50)	NA	NA	ND(0.43)
Fluoranthene		2.1	NA	NA	ND(0.43)
Fluorene		ND(0.50)	NA	NA	ND(0.43)
Indeno(1,2,3-cd)pyrene		0.20 J	NA	NA	ND(0.43)
Naphthalene		ND(0.50)	NA	NA	ND(0.43)
Pentachlorobenzene		ND(0.50)	NA	NA	ND(0.43)
Phenanthrene		0.78	NA	NA	ND(0.43)
Pyrene		1.7	NA	NA	0.39 J
Furans					
2,3,7,8-TCDF		0.0000053 Y	NA	NA	0.00000040 J
TCDFs (total)		0.000043 Q	NA	NA	0.00000040
1,2,3,7,8-PeCDF		0.0000026 Q	NA	NA	0.00000019 J
2,3,4,7,8-PeCDF		0.0000037 Q	NA	NA	ND(0.00000024)
PeCDFs (total)		0.000017 Q	NA	NA	0.00000026
1,2,3,4,7,8-HxCDF		0.0000033	NA	NA	0.00000038 J
1,2,3,6,7,8-HxCDF		0.0000016 J	NA	NA	ND(0.00000024)
1,2,3,7,8,9-HxCDF		0.00000041 JQ	NA	NA	ND(0.00000029)
2,3,4,6,7,8-HxCDF		0.0000026	NA	NA	ND(0.00000024)
HxCDFs (total)		0.000042 Q	NA	NA	0.00000065
1,2,3,4,6,7,8-HpCDF		0.000016	NA	NA	ND(0.00000024) X
1,2,3,4,7,8,9-HpCDF		0.0000012 J	NA	NA	ND(0.00000024)
HpCDFs (total)		0.000054	NA	NA	0.00000017
OCDF		0.000028	NA	NA	ND(0.00000049)

TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004

SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth (Feet): Date Collected:	RAA15-E15W 3-6 05/03/04	RAA15-E15W 4-6 05/03/04	RAA15-E15W 10-12 05/03/04	RAA15-E15W 10-15 05/03/04
Dioxins					
2,3,7,8-TCDD		ND(0.00000014)	NA	NA	ND(0.00000017)
TCDDs (total)		0.00000097 Q	NA	NA	ND(0.00000023)
1,2,3,7,8-PeCDD		0.00000038 JQ	NA	NA	ND(0.00000024)
PeCDDs (total)		0.00000028 Q	NA	NA	ND(0.00000038)
1,2,3,4,7,8-HxCDD		0.00000041 J	NA	NA	ND(0.00000024)
1,2,3,6,7,8-HxCDD		0.00000026	NA	NA	ND(0.00000024)
1,2,3,7,8,9-HxCDD		0.00000010 J	NA	NA	ND(0.00000024)
HxCDDs (total)		0.00000012	NA	NA	ND(0.00000030)
1,2,3,4,6,7,8-HpCDD		0.00000069	NA	NA	0.00000039 J
HpCDDs (total)		0.00000013	NA	NA	0.00000070
OCDD		0.0011	NA	NA	0.00000017 J
Total TEQs (WHO TEFs)		0.00000051	NA	NA	0.00000043
Inorganics					
Antimony		2.00 B	NA	NA	ND(6.00)
Arsenic		5.60	NA	NA	2.60
Barium		77.0	NA	NA	36.0
Beryllium		0.230 B	NA	NA	0.400 B
Cadmium		0.590	NA	NA	0.550
Chromium		8.70	NA	NA	15.0
Cobalt		8.30	NA	NA	7.00
Copper		22.0	NA	NA	14.0
Cyanide		0.110 B	NA	NA	0.0420 B
Lead		140	NA	NA	10.0
Mercury		0.150	NA	NA	0.250
Nickel		11.0	NA	NA	11.0
Selenium		ND(1.00)	NA	NA	0.920 B
Silver		0.210 B	NA	NA	ND(1.00)
Sulfide		7.40	NA	NA	8.30
Tin		4.80 B	NA	NA	3.10 B
Vanadium		7.60	NA	NA	8.70
Zinc		99.0	NA	NA	45.0

**TABLE 12-3
APPENDIX IX+3 DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL PRE-DESIGN SOIL INVESTIGATION SAMPLING
FORMER OXBOW AREAS J AND K
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
5. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
6. Field duplicate sample results are presented in brackets.

Data Qualifiers:

Organics (volatiles, semivolatiles, dioxin/furans)

- E - Analyte exceeded calibration range.
- J - Indicates an estimated value less than the practical quantitation limit (PQL).
- I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
- Q - Indicates the presence of quantitative interferences.
- X - Estimated maximum possible concentration.
- Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

- B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).

**ITEM 13
HOUSATONIC RIVER AREA
UPPER ½ MILE REACH
(GEC800)
MAY 2004**

* All activities described below for this item were conducted pursuant to the Consent Decree.

a. Activities Undertaken/Completed

Conducted spring 2004 restored bank vegetation inspection (May 25, 2004).

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

Conduct spring 2004 restored bank erosion inspection.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

- Seepage meter monitoring has not occurred due to increased water levels.
- Issues relating to TOC content in isolation layer remain to be resolved. EPA and GE have agreed that GE's report on those issues will be deferred until after the seepage meter data are available. Final Completion Report for Upper ½ Mile Reach Removal Action will be submitted following resolution of those issues.

f. Proposed/Approved Work Plan Modifications

None

**ITEM 14
HOUSATONIC RIVER AREA
1½-MILE REACH
(GEC820)
MAY 2004**

(Note: This item is limited to activities conducted by GE and does not include EPA's work on the 1½-Mile Reach Removal Action.)

a. Activities Undertaken/Completed

- On May 27, 2004, BBL (on GE's behalf) performed a round of water column monitoring at nine locations along the Housatonic River between Coltsville, MA and Great Barrington, MA. Two of these locations are situated in the 1½-Mile Reach: Lyman Street Bridge (Location 4) and Pomeroy Avenue Bridge (Location 6A). A composite grab sample was collected at each location and submitted to Northeast Analytical for analysis of PCBs (total), TSS, POC, and chlorophyll-a (see Table 14-1). (The other seven locations are discussed under Item 15 below.)
- Surface water sampling was performed on three occasions during May 2004 at three locations in the 1½-Mile Reach to monitor construction activities in that reach. The three locations sampled were Lyman Street Bridge, Dawes Avenue Bridge, and Pomeroy Avenue Bridge. During each day of sampling, one composite grab sample was collected at each location. A total of nine samples were submitted to Northeast Analytical for analysis of PCBs (total) and TSS (see Table 14-1).*
- Attended May 20, 2004 EPA public meeting concerning EPA's 1½-Mile Reach River work.*

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled Activities (next six weeks)

- Continue Housatonic River monthly water column monitoring.
- Continue surface water sampling to monitor construction activities in the 1½-Mile Reach.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

**ITEM 14
(cont'd)
HOUSATONIC RIVER AREA
1½-MILE REACH
(GEC820)
MAY 2004**

f. Proposed/Approved Work Plan Modifications

None

**TABLE 14-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**HOUSATONIC RIVER - 1 1/2 MILE REACH
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Monthly Water Column Sampling	Location-4	5/27/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column Sampling	Location-4	4/29/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	5/13/04
Monthly Water Column Sampling	Location-6A	4/29/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	5/13/04
Monthly Water Column Sampling	Location-6A	5/27/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Water Column Sampling	DAWES-042604-1	4/26/04	Water	NEA	PCB, TSS	5/11/04
Water Column Sampling	DAWES-042604-2	4/26/04	Water	NEA	PCB, TSS	5/11/04
Water Column Sampling	DAWES-051004-1	5/10/04	Water	NEA	PCB, TSS	5/20/04
Water Column Sampling	DAWES-051804-1	5/18/04	Water	NEA	PCB, TSS	
Water Column Sampling	DAWES-052504-1	5/25/04	Water	NEA	PCB, TSS	
Water Column Sampling	LYMAN-042604-1	4/26/04	Water	NEA	PCB, TSS	5/11/04
Water Column Sampling	LYMAN-051004-1	5/10/04	Water	NEA	PCB, TSS	5/20/04
Water Column Sampling	LYMAN-051804-1	5/18/04	Water	NEA	PCB, TSS	
Water Column Sampling	LYMAN-052504-1	5/25/04	Water	NEA	PCB, TSS	
Water Column Sampling	POMEROY-042604-1	4/26/04	Water	NEA	PCB, TSS	5/11/04
Water Column Sampling	POMEROY-042604-2	4/26/04	Water	NEA	PCB, TSS	5/11/04
Water Column Sampling	POMEROY-051004-1	5/10/04	Water	NEA	PCB, TSS	5/20/04
Water Column Sampling	POMEROY-051804-1	5/18/04	Water	NEA	PCB, TSS	
Water Column Sampling	POMEROY-052504-1	5/25/04	Water	NEA	PCB, TSS	

**TABLE 14-2
SAMPLE DATA RECEIVED DURING MAY 2004**

**MONTHLY WATER COLUMN SAMPLING
HOUSATONIC RIVER - 1 1/2 MILE REACH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Sample ID	Location	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248, -1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
LOCATION-4	Lyman Street Bridge	4/29/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.355	ND(1.00)	0.0012
LOCATION-6A	Pomeroy Ave. Bridge	4/29/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.359	ND(1.00)	0.0020

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. and/or Aquatec Biological Sciences, for analysis of unfiltered PCBs, total suspended solids (TSS), particulate organic carbon (POC), and chlorophyll (a).
2. Sampling methods involved the collection of composite grab samples at each location, representative of three stations (25, 50, and 75 percent of the total river width at each location) at 50 percent of the total river depth at each station.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

**TABLE 14-3
SAMPLE DATA RECEIVED DURING MAY 2004**

**WATER COLUMN SAMPLING
HOUSATONIC RIVER - 1 1/2 MILE REACH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Sample ID	Location	Date Collected	Aroclor-1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs	TSS
DAWES-042604-1	Dawes Ave. Bridge	4/26/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	10.0
DAWES-042604-2	Dawes Ave. Bridge	4/26/2004	ND(0.0000220)	0.0000480 PB	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.0000480	6.81
DAWES-051004-1	Dawes Ave. Bridge	5/10/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.0000480 PE	ND(0.0000220)	0.000330 AG	0.000378	176
LYMAN-042604-1	Lyman Street Bridge	4/26/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	7.40
LYMAN-051004-1	Lyman Street Bridge	5/10/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	1.80
POMEROY-042604-1	Pomeroy Ave. Bridge	4/26/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	10.4
POMEROY-042604-2	Pomeroy Ave. Bridge	4/26/2004	ND(0.0000220)	0.0000560 PB	ND(0.0000220)	0.0000620 AD	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.000118	7.20
POMEROY-051004-1	Pomeroy Ave. Bridge	5/10/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.0000530 AF	0.0000960 AG	0.000149	40.9

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. for analysis of unfiltered PCBs and total suspended solids (TSS).
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. AD - Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
4. AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
5. AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
6. PB - Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration.
7. PE - Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration.

**ITEM 15
HOUSATONIC RIVER AREA
REST OF THE RIVER
(GEC850)
MAY 2004**

a. Activities Undertaken/Completed

- On May 27, 2004, BBL (on GE's behalf) performed a round of water column monitoring at nine locations along the Housatonic River between Coltsville and Great Barrington, MA. Two locations are situated in the 1½-Mile Reach of the Housatonic River and were discussed in Item 14. Of the remaining seven locations, two are located upstream of the 1½-Mile Reach: Hubbard Avenue Bridge (Location 1) and Newell Street Bridge (Location 2). The five remaining locations are situated in the Rest of the River: Holmes Road Bridge (Location 7); New Lenox Road Bridge (Location 9); Woods Pond Headwaters (Location 10); Schweitzer Bridge (Location 12); and Division Street Bridge (Location 13). Sampling activities were performed at all these locations on May 27, 2004 from downstream to upstream. Composite grab samples were collected at each location sampled and submitted to Northeast Analytical for analysis of PCBs (total), TSS, POC, and chlorophyll-a (see Table 15-1).
- Completed minor masonry repairs to wing wall of raceway stoplog sluice structure at Woods Pond Dam as identified in the June 2003 Structural Integrity Report on that dam.

b. Sampling/Test Results

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted Quarterly Inspection Report for Woods Pond Dam (May 21, 2004).

d. Upcoming Scheduled Activities (next six weeks)

- Continue Housatonic River monthly water column monitoring.
- Proceed with work on gate stem repairs at Rising Pond Dam as identified in the Structural Integrity Report submitted in June 2003 for that dam and based on the October 2003 gate stem inspection.* Discuss with owner of Rising Pond.
- Academy of Natural Sciences of Philadelphia (ANS) to collect benthic invertebrates at West Cornwall for PCB analysis.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Ongoing issues relating to EPA's risk assessments.

ITEM 15
(cont'd)
HOUSATONIC RIVER AREA
REST OF THE RIVER
(GEC850)
MAY 2004

f. Proposed/Approved Work Plan Modifications

Received approval from CTDEP for 2004 Biological Monitoring Studies on Connecticut portion of Housatonic River with addition of northern pike in Lake Lillinonah (May 19, 2004).

**TABLE 15-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**HOUSATONIC RIVER - REST OF RIVER
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Monthly Water Column Sampling	HR-D1 (Location-12)	4/29/04	Water	NEA	PCB, TSS, POC, Chlorophyl-	5/13/04
Monthly Water Column Sampling	HR-D1 (Location-12)	5/27/04	Water	NEA	PCB, TSS, POC, Chlorophyl-	
Monthly Water Column Sampling	Location-1	4/29/04	Water	NEA	PCB, TSS, POC, Chlorophyl-	5/13/04
Monthly Water Column Sampling	Location-1	5/27/04	Water	NEA	PCB, TSS, POC, Chlorophyl-	
Monthly Water Column Sampling	Location-10	5/27/04	Water	NEA	PCB, TSS, POC, Chlorophyl-	
Monthly Water Column Sampling	Location-10	4/29/04	Water	NEA	PCB, TSS, POC, Chlorophyl-	5/13/04
Monthly Water Column Sampling	Location-12	4/29/04	Water	NEA	PCB, TSS, POC, Chlorophyl-	5/13/04
Monthly Water Column Sampling	Location-12	5/27/04	Water	NEA	PCB, TSS, POC, Chlorophyl-	
Monthly Water Column Sampling	Location-13	4/29/04	Water	NEA	PCB, TSS, POC, Chlorophyl-	5/13/04
Monthly Water Column Sampling	Location-13	5/27/04	Water	NEA	PCB, TSS, POC, Chlorophyl-	
Monthly Water Column Sampling	Location-2	4/29/04	Water	NEA	PCB, TSS, POC, Chlorophyl-	5/13/04
Monthly Water Column Sampling	Location-2	5/27/04	Water	NEA	PCB, TSS, POC, Chlorophyl-	
Monthly Water Column Sampling	Location-7	5/27/04	Water	NEA	PCB, TSS, POC, Chlorophyl-	
Monthly Water Column Sampling	Location-7	4/29/04	Water	NEA	PCB, TSS, POC, Chlorophyl-	5/13/04
Monthly Water Column Sampling	Location-9	4/29/04	Water	NEA	PCB, TSS, POC, Chlorophyl-	5/13/04
Monthly Water Column Sampling	Location-9	5/27/04	Water	NEA	PCB, TSS, POC, Chlorophyl-	

Note:

1. Field duplicate sample locations are presented in parenthesis.

**TABLE 15-2
SAMPLE DATA RECEIVED DURING MAY 2004**

**MONTHLY WATER COLUMN SAMPLING
HOUSATONIC RIVER - REST OF RIVER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Sample ID	Location	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248, -1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
LOCATION-1	Hubbard Ave. Bridge	4/29/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.437	2.10	0.0010
LOCATION-2	Newell Street Bridge	4/29/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.410	ND(1.00)	0.0013
LOCATION-7	Holmes Rd. Bridge	4/29/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.364	1.50	0.0018
LOCATION-9	New Lenox Rd. Bridge	4/29/2004	ND(0.0000220)	0.0000220 AG	0.0000220	0.377	2.00	0.0017
LOCATION-10	Headwaters of Woods Pond	4/29/2004	ND(0.0000220)	0.0000280 AG	0.0000280	0.456	1.60	0.0025
LOCATION-12	Schweitzer Bridge	4/29/2004	ND(0.0000220)	0.0000240 AG	0.0000240	0.624	2.30	0.0040
		4/29/2004	[ND(0.0000220)]	[0.0000260 AG]	[0.0000260]	[0.439]	[2.90]	[0.0025]
LOCATION-13	Division St. Bridge	4/29/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.562	4.60	0.0021

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. and/or Aquatec Biological Sciences, for analysis of unfiltered PCBs, total suspended solids (TSS), particulate organic carbon (POC), and chlorophyll (a).
2. Sampling methods involved the collection of composite grab samples at each location, representative of three stations (25, 50, and 75 percent of the total river width at each location) at 50 percent of the total river depth at each station.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
5. Field duplicate sample results are presented in brackets.

ITEMS 16 & 17
HOUSATONIC RIVER FLOODPLAIN
RESIDENTIAL AND NON-RESIDENTIAL
PROPERTIES ADJACENT TO 1½-MILE REACH
(GEC710 AND GEC720)
MAY 2004

* All activities described below for this item were conducted pursuant to the Consent Decree.

a. Activities Undertaken/Completed

- Continued efforts to obtain access agreement from owner of Parcel I7-2-46 (Phase 3 property owner).
- Conducted topsoil and gravel sampling, as identified in Table 16&17-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled Activities (next six weeks)

- Continue efforts to obtain access from the owner of Parcel I7-2-46 for pre-design soil sampling.
- Initiate development of Interim Pre-Design Investigation Report for Phase 3 Properties (due by August 16, 2004).
- Prepare and submit Pre-Design Investigation Work Plan Addendum for Phase 4, Group 4A properties (to be submitted by July 15, 2004).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

- Owner of Parcel I7-2-46 has not signed access agreement to allow sampling at her property.
- Discuss with EPA schedule for pre-certification inspection and submittal of Final Completion Report for Phase 1 and Phase 2 properties, and ERE for City-owned property in Phase 2.

f. Proposed/Approved Work Plan Modifications

None

**TABLE 16&17-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Residential Properties Soil Sampling	3A-DUP-1 (3A-SB-20)	4/22/04	2-4	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-DUP-2 (3A-SB-25)	4/22/04	0-1	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-DUP-4 (3A-SB-10)	4/28/04	2-4	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-DUP-5 (3A-SB-11)	4/28/04	4-6	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-DUP-6 (3A-SB-2)	4/29/04	4-6	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-10	4/28/04	2-4	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-10	4/28/04	4-6	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-11	4/28/04	0-1	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-11	4/28/04	1-2	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-11	4/28/04	2-4	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-11	4/28/04	4-6	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-12	4/28/04	0-1	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-12	4/28/04	1-2	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-12	4/28/04	2-4	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-12	4/28/04	4-6	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-13	4/28/04	0-1	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-13	4/28/04	1-2	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-13	4/28/04	2-4	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-13	4/28/04	4-6	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-15	4/28/04	0-1	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-15	4/28/04	1-2	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-15	4/28/04	2-4	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-15	4/28/04	4-6	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-15	4/28/04	6-8	Soil	CT&E	PCB	5/13/04
Residential Properties Soil Sampling	3A-SB-16	4/22/04	2-4	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-16	4/22/04	4-6	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-17	4/23/04	6-8	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-18	4/22/04	0-1	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-18	4/22/04	1-2	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-18	4/22/04	2-4	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-18	4/22/04	4-6	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-19	4/22/04	2-4	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-19	4/22/04	4-6	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-19	4/22/04	6-8	Soil	CT&E	PCB	5/13/04
Residential Properties Soil Sampling	3A-SB-2	4/29/04	2-4	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-2	4/29/04	4-6	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-20	4/22/04	0-1	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-20	4/22/04	1-2	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-20	4/22/04	2-4	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-20	4/22/04	4-6	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-21	4/22/04	2-4	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-21	4/22/04	4-6	Soil	CT&E	PCB	5/11/04

**TABLE 16&17-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Residential Properties Soil Sampling	3A-SB-22	4/22/04	2-4	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-22	4/22/04	4-6	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-22	4/22/04	6-8	Soil	CT&E	PCB	5/13/04
Residential Properties Soil Sampling	3A-SB-23	4/22/04	0-1	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-23	4/22/04	1-2	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-23	4/22/04	2-4	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-23	4/22/04	4-6	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-25	4/22/04	0-1	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-25	4/22/04	1-2	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-25	4/22/04	2-4	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-25	4/22/04	4-6	Soil	CT&E	PCB	5/11/04
Residential Properties Soil Sampling	3A-SB-26	4/23/04	6-8	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-3	4/29/04	0-1	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-3	4/29/04	1-2	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-3	4/29/04	2-4	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-3	4/29/04	4-6	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-4	4/29/04	2-4	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-4	4/29/04	4-6	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-5	4/28/04	0-1	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-5	4/28/04	1-2	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-5	4/28/04	2-4	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-5	4/28/04	4-6	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-6	4/28/04	0-1	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-6	4/28/04	1-2	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-6	4/28/04	2-4	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-6	4/28/04	4-6	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-7	4/28/04	0-1	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-7	4/28/04	1-2	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-7	4/28/04	2-4	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-7	4/28/04	4-6	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-8	4/28/04	0-1	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-8	4/28/04	1-2	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-8	4/28/04	2-4	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-8	4/28/04	4-6	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-9	4/28/04	0-1	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-9	4/28/04	1-2	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-9	4/28/04	2-4	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3A-SB-9	4/28/04	4-6	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3C-SB-10	4/20/04	6-8	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3C-SB-14	4/20/04	6-8	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3C-SB-14	4/20/04	8-10	Soil	CT&E	PCB	5/13/04
Residential Properties Soil Sampling	3C-SB-18	4/20/04	6-8	Soil	CT&E	PCB	5/17/04

**TABLE 16&17-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Residential Properties Soil Sampling	3C-SB-18	4/20/04	8-10	Soil	CT&E	PCB	5/17/04
Residential Properties Soil Sampling	3C-SB-20	4/14/04	6-8	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3C-SB-25	4/13/04	6-8	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3C-SB-26	4/13/04	6-8	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3C-SB-4	4/21/04	6-8	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3C-SB-6	4/20/04	6-8	Soil	CT&E	PCB	5/10/04
Residential Properties Soil Sampling	3C-SB-7	4/21/04	6-8	Soil	CT&E	PCB	5/10/04
Topsoil and Gravel Sampling	GRAVEL-052504-1	5/25/04	NA	Soil	CT&E	PCB, VOC, SVOC, Metals	6/1/04
Topsoil and Gravel Sampling	TOPSOIL-052504-1	5/25/04	NA	Soil	CT&E	PCB, VOC, SVOC, Metals	6/1/04

Note:

1. Field duplicate sample locations are presented in parenthesis.

TABLE 16&17-2
PCB DATA RECEIVED DURING MAY 2004

SOIL BORING PROGRAM
FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1248	Aroclor-1242	Aroclor-1254	Aroclor-1260	Total PCBs
3A-SB-2	2-4	4/29/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	4-6	4/29/2004	ND(0.041) [ND(0.038)]	ND(0.041) [ND(0.038)]	ND(0.041) [ND(0.038)]	ND(0.041) [ND(0.038)]	ND(0.041) [ND(0.038)]
3A-SB-3	0-1	4/29/2004	ND(0.039)	ND(0.039)	0.17	0.42	0.59
	1-2	4/29/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	2-4	4/29/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	4-6	4/29/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
3A-SB-4	2-4	4/29/2004	ND(0.038)	0.030 J	ND(0.038)	ND(0.038)	0.030 J
	4-6	4/29/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
3A-SB-5	0-1	4/28/2004	ND(0.041)	ND(0.041)	ND(0.041)	0.025 J	0.025 J
	1-2	4/28/2004	ND(0.043)	ND(0.043)	ND(0.043)	0.20	0.20
	2-4	4/28/2004	ND(0.043)	ND(0.043)	ND(0.043)	0.024 J	0.024 J
	4-6	4/28/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
3A-SB-6	0-1	4/28/2004	ND(2.4)	ND(2.4)	7.0	14	21
	1-2	4/28/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	2-4	4/28/2004	ND(0.048)	ND(0.048)	ND(0.048)	0.057	0.057
	4-6	4/28/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
3A-SB-7	0-1	4/28/2004	ND(0.047)	ND(0.047)	0.023 J	0.019 J	0.042 J
	1-2	4/28/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	2-4	4/28/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	4-6	4/28/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
3A-SB-8	0-1	4/28/2004	ND(2.1)	ND(2.1)	ND(2.1)	34	34
	1-2	4/28/2004	ND(0.042)	ND(0.042)	ND(0.042)	0.64	0.64
	2-4	4/28/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.021 J	0.021 J
	4-6	4/28/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
3A-SB-9	0-1	4/28/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.023 J	0.023 J
	1-2	4/28/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	2-4	4/28/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	4-6	4/28/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
3A-SB-10	2-4	4/28/2004	ND(0.049) [ND(0.046)]	ND(0.049) [ND(0.046)]	ND(0.049) [ND(0.046)]	ND(0.049) [ND(0.046)]	ND(0.049) [ND(0.046)]
	4-6	4/28/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
3A-SB-11	0-1	4/28/2004	ND(0.19)	ND(0.19)	0.89	3.0	3.89
	1-2	4/28/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	2-4	4/28/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	4-6	4/28/2004	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]
3A-SB-12	0-1	4/28/2004	ND(0.045)	ND(0.045)	ND(0.045)	0.12	0.12
	1-2	4/28/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
	2-4	4/28/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	4-6	4/28/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
3A-SB-13	0-1	4/28/2004	ND(0.22)	ND(0.22)	1.0	2.3	3.3
	1-2	4/28/2004	ND(0.046)	ND(0.046)	0.12	0.31	0.43
	2-4	4/28/2004	ND(0.048)	ND(0.048)	ND(0.048)	0.020 J	0.020 J
	4-6	4/28/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
3A-SB-15	0-1	4/28/2004	ND(0.24)	ND(0.24)	1.4	2.6	4.0
	1-2	4/28/2004	ND(0.043)	ND(0.043)	0.046	0.081	0.127
	2-4	4/28/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
	4-6	4/28/2004	ND(0.23)	ND(0.23)	2.7	4.4	7.1
	6-8	4/28/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
3A-SB-16	2-4	4/22/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	4-6	4/22/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
3A-SB-17	6-8	4/23/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
3A-SB-18	0-1	4/22/2004	ND(0.039)	ND(0.039)	0.32	0.64	0.96
	1-2	4/22/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.024 J	0.024 J
	2-4	4/22/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	4-6	4/22/2004	ND(0.038)	ND(0.038)	0.056	ND(0.038)	0.056
3A-SB-19	2-4	4/22/2004	ND(3.9)	ND(3.9)	37	41	78
	4-6	4/22/2004	ND(0.044)	ND(0.044)	0.14	0.069	0.209
	6-8	4/22/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
3A-SB-20	0-1	4/22/2004	ND(0.039)	ND(0.039)	0.029 J	0.055	0.084
	1-2	4/22/2004	ND(0.038)	ND(0.038)	0.041	0.060	0.101
	2-4	4/22/2004	ND(0.21) [ND(2.0)]	ND(0.21) [ND(2.0)]	4.2 [8.5]	6.4 [10]	10.6 [18.5]
	4-6	4/22/2004	ND(0.047)	ND(0.047)	ND(0.047)	0.069	0.069
3A-SB-21	2-4	4/22/2004	ND(0.20)	ND(0.20)	2.1	2.8	4.9
	4-6	4/22/2004	ND(0.042)	ND(0.042)	ND(0.042)	0.020 J	0.020 J

**TABLE 16&17-2
PCB DATA RECEIVED DURING MAY 2004**

**SOIL BORING PROGRAM
FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1248	Aroclor-1242	Aroclor-1254	Aroclor-1260	Total PCBs
3A-SB-22	2-4	4/22/2004	ND(2.0)	ND(2.0)	19	24	43
	4-6	4/22/2004	ND(0.043)	ND(0.043)	0.58	0.30	0.88
	6-8	4/22/2004	ND(0.045)	ND(0.045)	ND(0.045)	0.036 J	0.036 J
3A-SB-23	0-1	4/22/2004	ND(0.24)	ND(0.24)	2.6	4.9	7.5
	1-2	4/22/2004	ND(0.040)	ND(0.040)	0.31	0.54	0.85
	2-4	4/22/2004	ND(0.044)	ND(0.044)	0.28	0.32	0.60
	4-6	4/22/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
3A-SB-25	0-1	4/22/2004	ND(2.8) [ND(2.6)]	ND(2.8) [ND(2.6)]	11 [9.8]	15 [13]	26 [22.8]
	1-2	4/22/2004	ND(2.4)	ND(2.4)	23	19	42
	2-4	4/22/2004	ND(0.044)	ND(0.044)	0.30	0.26	0.56
	4-6	4/22/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
3A-SB-26	6-8	4/23/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
3C-SB-4	6-8	4/21/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
3C-SB-6	6-8	4/20/2004	ND(0.047)	ND(0.047)	ND(0.047)	0.048	0.048
3C-SB-7	6-8	4/21/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
3C-SB-10	6-8	4/20/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
3C-SB-14	6-8	4/20/2004	ND(0.051)	ND(0.051)	1.2	1.5	2.7
	8-10	4/20/2004	ND(0.058)	ND(0.058)	ND(0.058)	0.087	0.087
3C-SB-18	6-8	4/20/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	8-10	4/20/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
3C-SB-20	6-8	4/14/2004	ND(0.040)	ND(0.040)	0.051	0.040	0.091
3C-SB-25	6-8	4/13/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
3C-SB-26	6-8	4/13/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Field duplicate sample results are presented in brackets.

Data Qualifiers:

J - Indicates an estimated value less than the practical quantitation limit (PQL).

ITEM 18
HOUSATONIC RIVER FLOODPLAIN
CURRENT RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE
(ACTUAL/POTENTIAL LAWNS)
(GEC730)
MAY 2004

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled Activities (next six weeks)

None

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Awaiting EPA approval of GE's Pre-Design Investigation Work Plan (submitted on May 26, 2002). (Based on discussions with EPA, it appears that this pre-design sampling may be deferred for some period of time.)*

f. Proposed/Approved Work Plan Modifications

None

**ITEM 20
OTHER AREAS
SILVER LAKE AREA
(GECD600)
MAY 2004**

* All activities described below for this item were conducted pursuant to the Consent Decree.

a. Activities Undertaken/Completed

Performed water level monitoring at wells surrounding lake (see Item 21.a).

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled Activities (next six weeks)

Continue water-level monitoring for wells. GE has discontinued monitoring at the piezometers that were damaged or missing after the 2003/2004 winter season, as discussed with EPA.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

As noted in GE's Pre-Design Investigation Report for Silver Lake Sediments, GE will discuss with EPA a pilot study for capping of Silver Lake sediments.

f. Proposed/Approved Work Plan Modifications

None

**TABLE 20-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Supplemental Soil Sampling	I9-10-10-SB-1	4/30/04	0-1	Soil	CT&E	PCB	5/11/04
Supplemental Soil Sampling	I9-10-10-SB-1	4/30/04	1-3	Soil	CT&E	PCB	5/11/04
Supplemental Soil Sampling	I9-10-10-SB-1	4/30/04	3-5	Soil	CT&E	PCB	5/11/04
Supplemental Soil Sampling	I9-10-10-SB-1	4/30/04	5-7	Soil	CT&E	PCB	5/11/04
Supplemental Soil Sampling	I9-10-10-SB-1	4/30/04	7-9	Soil	CT&E	PCB	5/13/04
Supplemental Soil Sampling	I9-10-10-SB-1	4/30/04	9-11	Soil	CT&E	PCB	5/13/04
Supplemental Soil Sampling	I9-10-8-SB-11	4/14/04	9-11	Soil	CT&E	PCB	5/13/04
Supplemental Soil Sampling	I9-10-8-SB-12	4/14/04	11-13	Soil	CT&E	PCB	5/13/04
Supplemental Soil Sampling	I9-10-8-SB-12	4/14/04	13-15	Soil	CT&E	PCB	5/26/04
Supplemental Soil Sampling	I9-10-8-SB-12	4/14/04	9-11	Soil	CT&E	PCB	5/11/04
Supplemental Soil Sampling	I9-9-21-SB-11	4/13/04	0-1	Soil	CT&E	PCB	5/11/04
Supplemental Soil Sampling	I9-9-21-SB-11	4/13/04	1-3	Soil	CT&E	PCB	5/11/04
Supplemental Soil Sampling	I9-9-21-SB-11	4/13/04	3-6	Soil	CT&E	PCB	5/11/04
Supplemental Soil Sampling	I9-9-24-SB-2	4/13/04	13-15	Soil	CT&E	PCB	5/11/04

**TABLE 20-2
PCB DATA RECEIVED DURING MAY 2004**

**SUPPLEMENTAL SOIL SAMPLING
SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
I9-9-21-SB-11	0-1	4/13/2004	ND(0.18)	1.0	2.1	3.1
	1-3	4/13/2004	ND(0.040)	0.41	0.17	0.58
	3-6	4/13/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
I9-9-24-SB-2	13-15	4/13/2004	ND(30)	500	100	600
I9-10-8-SB-11	9-11	4/14/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
I9-10-8-SB-12	9-11	4/14/2004	ND(0.20)	2.3	0.46	2.76
	11-13	4/14/2004	ND(0.055)	0.42	0.095	0.515
	13-15	4/14/2004	ND(0.073)	ND(0.073)	ND(0.073)	ND(0.073)
I9-10-10-SB-1	0-1	4/30/2004	ND(0.040)	0.14	0.098	0.238
	1-3	4/30/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	3-5	4/30/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	5-7	4/30/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	7-9	4/30/2004	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)
	9-11	4/30/2004	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

**ITEM 21
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GEC310)
MAY 2004**

* All activities described below for this item were conducted pursuant to the Consent Decree.

a. Activities Undertaken/Completed

General:

- Completed spring 2004 interim groundwater sampling event.

East Street Area 1-North and South:

- Continued automated groundwater and NAPL pumping at North Side and South Side Caissons. No oil was removed from either caisson in May.
- Completed semi-annual bailing round at wells that contained NAPL in 2003. Recoverable quantities of NAPL were not encountered in any of the wells monitored during May.

East Street Area 2-South:

- Continued automated groundwater and LNAPL removal activities. A total of approximately 5,288,887 gallons of groundwater was recovered from pumping systems 64R, 64S, 64V, 64X, RW-1(S), RW-1(X), and RW-2(X). In addition, approximately 2,149 gallons of LNAPL were removed from pumping systems 64R, 64V, RW-1(S), RW-1(X), 64X, and 64S Caisson.
- Continued automated DNAPL removal activities. Removed approximately 55 gallons of DNAPL from pumping system RW-3(X).
- Continued routine well monitoring and manual NAPL removal activities. Approximately 2.08 liters (0.55 gallon) of LNAPL were recovered from the wells monitored during May.
- Treated/discharged 5,915,482 gallons of water through 64G Groundwater Treatment Facility.

East Street Area 2-North:

- Continued routine well monitoring and manual NAPL removal activities and initiated semi-annual bailing round at wells that contained NAPL in 2003. Recoverable quantities of NAPL were not encountered in any of the wells monitored during May.

**ITEM 21
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GEC310)
MAY 2004**

a. Activities Undertaken/Completed (cont'd)

20s, 30s, and 40s Complexes:

- Continued routine well monitoring and manual NAPL removal activities. Recoverable quantities of NAPL were not encountered in any of the wells monitored in May.
- Continued to monitor oil at Building 43 elevator shaft; no recoverable quantities were encountered.

Lyman Street Area:

- Continued automated groundwater and NAPL removal activities. Recoverable quantities of NAPL were not encountered in any of the wells monitored in May.
- Continued routine well monitoring and manual NAPL removal activities and conducted semi-annual bailing round at all wells that contained NAPL in 2003. Approximately 2.01 liters (0.53 gallon) of DNAPL were removed from wells located in this area.

Newell Street Area II:

- Continued automated DNAPL recovery, with the collection of approximately 157 gallons of DNAPL from the automated collection systems.
- Continued routine well monitoring and manual NAPL removal activities and conducted semi-annual bailing round at all wells that contained NAPL in 2003. Approximately 1.47 liters (0.39 gallon) of DNAPL were removed from wells in this area.

Silver Lake:

- Continued routine well monitoring. (In accordance with discussions with EPA, GE has discontinued monitoring at the piezometers that were damaged or missing after the 2003/2004 winter season.)

b. Sampling/Test Results Received

See attached tables.

ITEM 21
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GEC310)
MAY 2004

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

- Continue routine monitoring.
- Install two monitoring wells (139R and GMA1-18) to replace wells that could not be sampled in spring 2004 (see Item 21.e below).
- Possibly install two soil borings downgradient of wells GMA1-15 and GMA1-16 upon EPA approval (see Item 21.f below).
- Provide response to MDEP NOR letter related to LNAPL observed in the Building 43 elevator shaft (due on or before June 7, 2004).
- Submit a letter summarizing the changes to the interim monitoring program that were agreed to during the May 21, 2004 technical meeting discussed in Item 21.e below.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

GE was unable to sample four monitoring wells (139, ES1-14, ESA1S-33, and GMA1-2) scheduled to be included in the spring 2004 interim monitoring event. GE held a technical meeting with EPA on May 21, 2004 to discuss its proposed response to these issues. An agreement was reached to modify the monitoring program for three of the four wells by installing replacement wells 139R and GMA1-18 (for wells 139 and ES1-14, respectively), and substituting well 72R for well ESA1S-33. GE will continue its sampling attempts at well GMA1-2 (which was dry in spring 2004) during future sampling events. GE will submit a letter to EPA summarizing the changes to the interim monitoring program that were agreed to during that technical meeting.

f. Proposed/Approved Work Plan Modifications

- The *Plant Site 1 Groundwater Management Area NAPL Monitoring Report for Fall 2003* contained a number of proposed modifications to the NAPL monitoring/recovery program at this GMA. These included a proposal to install two soil borings downgradient of wells GMA1-15 and GMA1-16 within one month of EPA approval of that report. The soil boring results will be compared with other soil boring logs in the area and GE will propose at least two locations for NAPL monitoring well installations.
- See Item 21.e above.

**TABLE 21-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**GROUNDWATER MANAGEMENT AREA 1
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Semi-Annual Groundwater Sampling	E2SC-24	5/3/04	Water	CT&E	PCB(f)	5/10/04

Note:

1. (f) - Indicates filtered analysis requested.

**TABLE 21-2
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 1
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID:	E2SC-24
	Date Collected:	05/03/04
PCBs-Filtered		
None Detected		--

Notes:

1. Sample was collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs (filtered).
2. Only detected constituents are summarized.
3. -- Indicates that all constituents for the parameter group were not detected.

TABLE 21-3
AUTOMATED LNAPL & GROUNDWATER RECOVERY SYSTEMS MONTHLY SUMMARY
EAST STREET AREA 1 - NORTH & SOUTH
GROUNDWATER MANAGEMENT AREA 1
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004

Caisson	Month	Vol. LNAPL Collected (gallon)	Vol. Water Recovered (gallon)	Percent Downtime
Northside	May 2003	0.0	21,400	
	June 2003	0.0	20,800	
	July 2003	0.0	23,100	
	August 2003	0.0	13,800	
	September 2003	5.0	26,800	0.074 Power Outage
	October 2003	0.0	22,700	
	November 2003	0.0	37,300	
	December 2003	0.0	47,300	
	January 2004	2.5	23,700	0.40
	February 2004	0.0	16,300	
	March 2004	0.0	22,500	0.27 - Power Outage
	April 2004	1.0	29,100	
May 2004	0.0	22,300		
Southside	May 2003	0.0	93,200	
	June 2003	0.0	100,100	
	July 2003	2.0	101,000	
	August 2003	0.0	65,900	1.19
	September 2003	0.0	77,600	0.074 Power Outage
	October 2003	0.0	94,000	
	November 2003	0.0	85,100	
	December 2003	0.0	106,600	
	January 2004	2.5	72,500	0.40
	February 2004	0.0	5,400	
	March 2004	0.0	68,200	0.27 - Power Outage
	April 2004	1.0	74,600	
May 2004	0.0	71,500		

TABLE 21-4
ROUTINE WELL MONITORING
EAST STREET AREA 1 - NORTH & SOUTH
GROUNDWATER MANAGEMENT AREA 1
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
GMA 1 - East Street Area 1 - North									
North Caisson	997.84	5/5/04	18.18	P	< 0.01	---	19.80	0.00	979.66
North Caisson	997.84	5/12/04	18.38	18.35	0.03	---	19.80	0.00	979.49
North Caisson	997.84	5/19/04	18.26	18.24	0.02	---	19.80	0.00	979.60
North Caisson	997.84	5/25/04	18.38	18.35	0.03	---	19.80	0.00	979.49
GMA 1 - East Street Area 1 - South									
31R	1,000.23	5/27/04	8.88	---	0.00	---	15.05	0.00	991.35
33	999.50	5/27/04	5.90	---	0.00	---	21.20	0.00	993.60
34	999.90	5/27/04	5.56	---	0.00	---	20.98	0.00	994.34
72	1,000.62	5/27/04	6.35	---	0.00	---	21.90	0.00	994.27
72R	1,000.92	5/27/04	6.19	---	0.00	---	13.39	0.00	994.73
South Caisson	1,001.11	5/5/04	13.54	P	< 0.01	---	15.00	0.00	987.57
South Caisson	1,001.11	5/12/04	13.42	13.33	0.09	---	15.00	0.00	987.77
South Caisson	1,001.11	5/19/04	10.92	10.90	0.02	---	15.00	0.00	990.21
South Caisson	1,001.11	5/25/04	14.00	13.85	0.15	---	15.00	0.00	987.25

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. P indicates that LNAPL or DNAPL is present at a thickness that is < 0.01 feet. The corresponding thickness is recorded as such.

TABLE 21-5
AUTOMATED LNAPL/DNAPL & GROUNDWATER RECOVERY SYSTEMS
EAST STREET AREA 2 - SOUTH
GROUNDWATER MANAGEMENT AREA 1
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
May 2004

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
40R	May 2003	0		
	June 2003	0		
	July 2003	0		
	August 2003	0		
	September 2003	0		
	October 2003	0		
	November 2003	0		
	December 2003	0		
	January 2004	0		
	February 2004	0		
	March 2004	0		0.3
	April 2004	0		0.27 - Power Outage
	May 2004	0		
64R	May 2003	370	571,600	
	June 2003	175	483,000	
	July 2003	750	525,200	
	August 2003	300	580,600	
	September 2003	1,150	639,200	
	October 2003	975	717,300	
	November 2003	200	563,400	
	December 2003	625	290,500	
	January 2004	50	233,000	
	February 2004	250	1,015,000	0.3
	March 2004	325	897,300	0.94 - Power Outage
	April 2004	975	705,000	
	May 2004	125	629,500	
64S System	May 2003	460	445,090	
	June 2003	950	276,675	
	July 2003	750	48,725	
	August 2003	38	302,161	
	September 2003	0	443,631	
	October 2003	150	983,801	
	November 2003	1,198	1,041,476	
	December 2003	925	1,529,896	1.6 - Low Voltage
	January 2004	1,054	1,237,777	
	February 2004	224	651,804	3.88
	March 2004	1,271	802,349	1.88 - Power Outage
	April 2004	1,374	947,810	
	May 2004	1,045	1,062,518	
64V	May 2003	220	1,202,200	
	June 2003	408	1,092,800	
	July 2003	408	1,184,900	
	August 2003	391	1,026,400	
	September 2003	867	1,020,100	
	October 2003	1,071	1,482,600	
	November 2003	1,377	1,309,800	
	December 2003	2,261	1,719,700	6.7 - Replaced Pump

TABLE 21-5
AUTOMATED LNAPL/DNAPL & GROUNDWATER RECOVERY SYSTEMS
EAST STREET AREA 2 - SOUTH
GROUNDWATER MANAGEMENT AREA 1
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
May 2004

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
64V (cont'd)	January 2004	1,768	1,366,300	0.3 0.27 - Power Outage
	February 2004	408	1,091,800	
	March 2004	1,173	1,370,200	
	April 2004	1,598	1,212,000	
	May 2004	933	1,313,100	
64X	May 2003	15	403,200	3.2 - Cleaned Flow Meter 0.3 0.27 - Power Outage
	June 2003	25	403,200	
	July 2003	20	500,300	
	August 2003	30	403,200	
	September 2003	15	403,200	
	October 2003	10	460,800	
	November 2003	10	403,200	
	December 2003	5	504,000	
	January 2004	10	676,800	
	February 2004	2	403,200	
	March 2004	4	504,000	
	April 2004	0	388,800	
	May 2004	10	403,200	
	RW-2(X)	May 2003	0	
June 2003		0	337,800	
July 2003		0	504,000	
August 2003		0	481,800	
September 2003		0	403,800	
October 2003		0	498,300	
November 2003		0	461,400	
December 2003		0	917,800	
January 2004		0	403,200	
February 2004		0	580,000	
March 2004		0	644,300	
April 2004		0	518,200	
May 2004		0	427,200	
RW-1(S) ¹		May 2003	0	880,083
	June 2003	0	806,285	
	July 2003	0	821,262	
	August 2003	12	776,403	
	September 2003	50	811,790	
	October 2003	25	1,303,720	
	November 2003	52	1,155,983	
	December 2003	0	1,677,094	
	January 2004	96	1,196,628	
	February 2004	51	832,544	
	March 2004	31	1,114,375	
	April 2004	76	1,012,477	
	May 2004	36	1,056,169	
	RW-1(X)	May 2003	0	482,900
June 2003		0	502,100	
July 2003		0	541,200	
August 2003		0	499,300	
September 2003		10	486,700	
October 2003		0	690,100	

TABLE 21-5
AUTOMATED LNAPL/DNAPL & GROUNDWATER RECOVERY SYSTEMS
EAST STREET AREA 2 - SOUTH
GROUNDWATER MANAGEMENT AREA 1
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
May 2004

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
RW-1(X) (cont'd)	November 2003	0	488,500	3.2 - Cleaned Flow Meter
	December 2003	0	575,100	
	January 2004	0	426,600	
	February 2004	0	382,600	0.3
	March 2004	1	502,100	0.27 - Power Outage
	April 2004	0	387,100	
	May 2004	0	397,200	
RW-3(X)	May 2003	52		0.3 0.27 - Power Outage
	June 2003	27		
	July 2003	56		
	August 2003	54		
	September 2003	55		
	October 2003	56		
	November 2003	55		
	December 2003	56		
	January 2004	70		
	February 2004	49		
	March 2004	75		
	April 2004	79		
	May 2004	55		

Summary of Total Automated Removal	
LNAPL:	2,149 Gallons
DNAPL:	55 Gallons
Water:	5,288,887 Gallons

Note:

1. The flow meter at recovery well RW-1(S) was reset in March 2004.

TABLE 21-6
WELL MONITORING AND RECOVERY OF LNAPL
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	May 2004 Removal (liters)
13	5/26/2004	15.66	15.44	0.22	0.136	0.136
14	5/26/2004	15.65	15.64	0.01	0.006	0.006
GMA1-15	5/26/2004	14.00	13.00	1.00	0.617	0.617
GMA1-17W	5/26/2004	15.25	13.11	2.14	1.320	1.320

Total LNAPL Removal 20's, 30's & 40's Complexs for May 2004: 0.000 liters
0.000 gallons

Total LNAPL Removal East Street Area 2 - North for May 2004: 0.000 liters
0.000 gallons

Total LNAPL Removal East Street Area 2 - South for May 2004: 2.079 liters
0.549 gallons

Total LNAPL Removal for May 2004: 2.079 liters
0.549 gallons

Note:

1. ft BMP - feet Below Measuring Point.

TABLE 21-7
64G TREATMENT PLANT DISCHARGE DATA
GROUNDWATER MANAGEMENT AREA 1
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004

Date	Housatonic River Discharge (gallons)	Recharge Pond Discharge (gallons)	Total Discharge (gallons)
April 2003	4,909,250	160,917	5,070,167
May 2003	4,145,930	248,391	4,394,321
June 2003	3,603,998	319,326	3,923,324
July 2003	2,785,280	429,342	3,214,622
August 2003	3,810,650	339,323	4,149,973
September 2003	4,336,220	294,016	4,630,236
October 2003	5,428,939	251,753	5,680,692
November 2003	5,599,600	108,107	5,707,707
December 2003	6,406,420	60,343	6,466,763
January 2004	6,158,960	132,862	6,291,822
February 2004	4,883,690	186,281	5,069,971
March 2004	5,462,280	112,985	5,575,265
April 2004	5,406,760	169,598	5,576,358
May 2004	5,678,620	236,862	5,915,482

Note:

After treatment, the majority of the water processed at GE's Building 64G groundwater treatment facility is discharged to the Housatonic River through NPDES permitted Outfall 005. However, as part of GE's overall efforts to contain NAPL within the site and to optimize NAPL recovery operations, a portion of the treated water discharged from the 64G facility is routed to GE's on-site recharge pond located in East Street Area 2-South.

**TABLE 21-8
ROUTINE WELL MONITORING
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1**

**CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
30's Complex									
95-15	986.38	5/26/04	Well could not be found.		---	---	---	---	NA
GMA1-10	984.86	5/26/04	6.48	---	0.00	---	19.75	0.00	978.38
GMA1-12	992.26	5/26/04	15.56	---	0.00	---	22.13	0.00	976.70
RF-02	982.43	5/26/04	4.80	---	0.00	---	18.28	0.00	977.63
RF-03	985.40	5/26/04	8.92	---	0.00	---	18.41	0.00	976.48
RF-03D	985.31	5/26/04	6.57	---	0.00	---	38.00	0.00	978.74
RF-16	987.91	5/26/04	8.55	---	0.00	---	20.67	0.00	979.36
40s Complex									
Bldg. 43 Elev.	NA	5/3/04	24.95	24.94	0.01	---	---	0.00	NA
Bldg. 43 Elev.	NA	5/10/04	25.06	25.05	0.01	---	61.69	0.00	NA
Bldg. 43 Elev.	NA	5/17/04	25.09	25.08	0.01	---	61.69	0.00	NA
Bldg. 43 Elev.	NA	5/24/04	25.11	25.10	0.01	---	61.69	0.00	NA
95-17	1,007.67	5/26/04	Dry.						NA
East Street Area 2 - South									
13	990.88	5/26/04	15.66	15.44	0.22	---	22.33	0.00	975.42
14	991.61	5/26/04	15.65	15.64	0.01	---	25.69	0.00	975.97
15R	989.23	5/26/04	13.46	---	0.00	---	19.60	0.00	975.77
26RR	1,000.58	5/26/04	19.68	---	0.00	---	28.59	0.00	980.90
40R	991.60	5/5/04	13.12	---	0.00	---	25.00	NA	978.48
40R	991.60	5/12/04	13.20	---	0.00	---	25.00	NA	978.40
40R	991.60	5/19/04	13.51	---	0.00	---	25.00	NA	978.09
40R	991.60	5/25/04	13.84	---	0.00	---	25.00	NA	977.76
49R	988.71	5/26/04	13.15	---	0.00	---	24.65	0.00	975.56
49RR	989.80	5/26/04	14.73	---	0.00	---	23.00	0.00	975.07
55	989.45	5/26/04	14.51	14.44	0.07	---	30.00	0.00	975.01
64R	993.37	5/5/04	13.45	13.44	0.01	---	19.00	0.00	979.93
64R	993.37	5/12/04	13.45	13.36	0.09	---	19.00	0.00	980.00
64R	993.37	5/19/04	15.09	15.07	0.02	---	19.00	0.00	978.30
64R	993.37	5/25/04	15.80	15.38	0.42	---	19.00	0.00	977.96
64S	984.48	5/5/04	14.33	---	0.00	---	28.70	0.00	970.15
64S	984.48	5/12/04	14.52	---	0.00	---	28.70	0.00	969.96
64S	984.48	5/19/04	14.23	---	0.00	---	28.70	0.00	970.25
64S	984.48	5/25/04	7.74	---	0.00	---	28.70	0.00	976.74
64S-Caisson	NA	5/5/04	9.53	9.52	0.01	---	14.55	0.00	NA
64S-Caisson	NA	5/12/04	9.56	9.43	0.13	---	14.55	0.00	NA
64S-Caisson	NA	5/19/04	9.60	9.35	0.25	---	14.55	0.00	NA
64S-Caisson	NA	5/25/04	9.64	9.39	0.25	---	14.55	0.00	NA
64V	987.29	5/5/04	18.62	18.37	0.25	---	29.60	0.00	968.90
64V	987.29	5/12/04	22.20	21.50	0.70	P	29.60	< 0.01	965.74
64V	987.29	5/19/04	22.05	21.50	0.55	P	29.60	< 0.01	965.75
64V	987.29	5/25/04	21.80	21.38	0.42	---	29.60	0.00	965.88
64X(N)	984.83	5/5/04	8.50	8.33	0.17	---	15.85	0.00	976.49

**TABLE 21-8
ROUTINE WELL MONITORING
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1**

**CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
64X(N)	984.83	5/12/04	9.03	8.76	0.27	---	15.85	0.00	976.05
64X(N)	984.83	5/19/04	9.69	9.54	0.15	---	15.85	0.00	975.28
64X(N)	984.83	5/25/04	8.98	8.80	0.18	---	15.85	0.00	976.02
64X(S)	981.56	5/5/04	10.80	P	< 0.01	---	23.82	0.00	970.76
64X(S)	981.56	5/12/04	11.39	P	< 0.01	---	23.82	0.00	970.17
64X(S)	981.56	5/19/04	12.51	P	< 0.01	---	23.82	0.00	969.05
64X(S)	981.56	5/25/04	11.41	P	< 0.01	---	23.82	0.00	970.15
64X(W)	984.87	5/5/04	14.02	14.00	0.02	---	24.35	0.00	970.87
64X(W)	984.87	5/12/04	14.61	14.58	0.03	---	24.35	0.00	970.29
64X(W)	984.87	5/19/04	15.73	15.72	0.01	---	24.35	0.00	969.15
64X(W)	984.87	5/25/04	14.64	14.62	0.02	---	24.35	0.00	970.25
95-01	983.77	5/26/04	8.27	---	0.00	---	13.88	0.00	975.50
3-6C-EB-22	986.94	5/26/04	10.60	---	0.00	---	19.99	0.00	976.34
E2SC-23	992.07	5/26/04	15.41	---	0.00	---	21.14	0.00	976.66
E2SC-24	987.90	5/3/04	14.03	---	0.00	---	21.75	0.00	973.87
E2SC-24	987.90	5/26/04	12.21	---	0.00	---	21.61	0.00	975.69
GMA1-14	997.43	5/26/04	16.77	---	0.00	---	23.59	0.00	980.66
GMA1-15	988.59	5/26/04	14.00	13.00	1.00	---	17.82	0.00	975.52
GMA1-16	986.82	5/26/04	11.19	11.02	0.17	---	19.99	0.00	975.79
GMA1-17E	993.03	5/26/04	13.74	---	0.00	---	17.34	0.00	979.29
GMA1-17W	992.63	5/26/04	15.25	13.11	2.14	---	23.37	0.00	979.37
HR-G2-MW-1	982.60	5/26/04	5.63	---	0.00	---	18.23	0.00	976.97
HR-G2-MW-2	981.39	5/26/04	4.30	---	0.00	---	17.67	0.00	977.09
HR-G2-MW-3	987.14	5/26/04	10.64	---	0.00	---	21.96	0.00	976.50
HR-G3-RW-1	977.78	5/26/04	5.60	---	0.00	---	18.24	0.00	972.18
RW-1(S)	987.23	5/5/04	17.35	16.72	0.63	---	28.60	0.00	970.47
RW-1(S)	987.23	5/12/04	16.87	16.70	0.17	---	28.60	0.00	970.52
RW-1(S)	987.23	5/19/04	16.68	16.54	0.14	---	28.60	0.00	970.68
RW-1(S)	987.23	5/25/04	16.64	16.62	0.02	---	28.60	0.00	970.61
RW-1(X)	982.68	5/5/04	10.22	10.04	0.18	---	20.80	0.00	972.63
RW-1(X)	982.68	5/12/04	11.01	10.77	0.24	---	20.80	0.00	971.89
RW-1(X)	982.68	5/19/04	12.40	12.21	0.19	---	20.80	0.00	970.46
RW-1(X)	982.68	5/25/04	10.75	10.72	0.03	---	20.80	0.00	971.96
RW-2(X)	985.96	5/5/04	9.46	---	0.00	---	15.30	0.00	976.50
RW-2(X)	985.96	5/12/04	10.00	---	0.00	---	15.30	0.00	975.96
RW-2(X)	985.96	5/19/04	11.16	---	0.00	---	15.30	0.00	974.80
RW-2(X)	985.96	5/25/04	10.10	---	0.00	---	15.30	0.00	975.86
RW-3(X)	980.28	5/5/04	5.48	---	0.00	41.50	44.40	2.90	974.80
RW-3(X)	980.28	5/12/04	6.00	---	0.00	41.63	44.40	2.77	974.28
RW-3(X)	980.28	5/19/04	7.08	---	0.00	41.50	44.40	2.90	973.20
RW-3(X)	980.28	5/25/04	6.12	---	0.00	41.60	44.40	2.80	974.16

**TABLE 21-8
ROUTINE WELL MONITORING
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1**

**CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
Housatonic River									
SG-HR-1	990.73	5/7/04	17.95	---	---	---	---	---	972.78
SG-HR-1	990.73	5/14/04	19.22	---	---	---	---	---	971.51
SG-HR-1	990.73	5/21/04	17.93	---	---	---	---	---	972.80
SG-HR-1	990.73	5/26/04	13.30	---	---	---	---	---	977.43
Housatonic River (Temporary Monitoring Pt.)	NA	5/26/04	Not Working	---	---	---	---	---	NA

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
5. Well HR-G2-RW-1 is constructed at an angle of 41.67 degrees from vertical. Depth to water data reflect measurements collected along the angled well casing. Groundwater elevations are corrected to account for the angle.
6. No measurements were obtained at this time due to the operation of the auto skimmer.
7. A survey reference point (SG-HR-1) was established on the Newell Street Bridge. The "Depth to Water" value(s) provided in the above table refer to the vertical distance from the surveyed reference point to the water surface.
8. A data logger has been placed at this location. Data are collected and subsequently presented in the Semi-Annual GMA 1 Baseline Groundwater Monitoring Reports. The depth to water measurement is used to confirm the data logger measurements.

TABLE 21-9
ACTIVE RECOVERY SYSTEMS MONTHLY SUMMARY
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004

Month / Year	Volume Water Pumped (gallon)	RW-1R LNAPL Recovered (gallon)	RW-1 DNAPL Recovered (gallon)	RW-3 LNAPL Recovered (gallon)
May 2002	290,851	---	---	10
June 2002	264,424	---	---	15
July 2002	219,781	13	---	5
August 2002	127,581	---	---	15
September 2002	165,634	4	---	10
October 2002	271,056	---	---	15
November 2002	264,950	---	---	5
December 2002	316,482	2	---	23
January 2003	272,679	---	---	20
February 2003	228,093	---	---	20
March 2003	287,152	---	---	20
April 2003	518,782	---	---	10
May 2003	281,349	---	---	10
June 2003	266,987	---	---	10
July 2003	244,776	---	---	10
August 2003	290,984	---	---	10
September 2003	309,162	---	---	20
October 2003	485,653	---	---	20
November 2003	363,979	---	---	10
December 2003	490,517	---	---	---
January 2004	299,584	---	---	---
February 2004	305,485	---	---	---
March 2004	409,514	---	---	---
April 2004	344,707	---	---	1
May 2004	307,361	---	---	---

TABLE 21-9
ACTIVE RECOVERY SYSTEMS MONTHLY SUMMARY
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004

Notes:

1. Volume of water pumped is total from Wells RW-1/1(R), RW-2, and RW-3.
2. As of September 9, 1998, RW-1 was replaced by RW-1(R) for active LNAPL recovery.
3. --- indicates LNAPL or DNAPL was not present in a measurable or recoverable quantity.
4. There was approximately 8% downtime during the month of May 2004.

TABLE 21-10
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	May 2004 Removal (liters)
LS-30	5/26/2004	11.08	20.27	1.95	1.203	1.203
LS-31	5/26/2004	11.95	22.75	0.57	0.352	0.352
LSSC-07	5/7/2004	7.93	24.89	0.19	0.117	0.451
	5/14/2004	9.36	24.83	0.25	0.154	
	5/21/2004	8.78	24.87	0.21	0.130	
	5/26/2004	6.67	25	0.08	0.049	

Total Manual DNAPL Removal for May 2004: 2.006 liters

Note:

1. ft BMP - feet Below Measuring Point.

0.529 gallons

TABLE 21-11
ROUTINE WELL MONITORING
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
E-07	982.87	5/26/04	5.74	---	0.00	---	19.79	0.00	977.13
EPA-1	NA	5/26/04	6.05	---	0.00	---	22.65	0.00	NA
LS-24	986.58	5/26/04	11.14	---	0.00	---	15.20	0.00	975.44
LS-30	986.44	5/26/04	11.08	---	0.00	20.27	22.22	1.95	975.36
LS-31	987.09	5/26/04	11.95	---	0.00	22.75	23.32	0.57	975.14
LS-38	986.95	5/26/04	10.80	---	0.00	---	25.05	0.00	976.15
LS-44	980.78	5/26/04	4.25	---	0.00	---	24.80	0.00	976.53
LSSC-07	982.48	5/7/04	7.93	---	0.00	24.89	25.08	0.19	974.55
LSSC-07	982.48	5/14/04	9.36	---	0.00	24.83	25.08	0.25	973.12
LSSC-07	982.48	5/21/04	8.78	---	0.00	24.87	25.08	0.21	973.70
LSSC-07	982.48	5/26/04	6.67	---	0.00	25	25.08	0.08	975.81
LSSC-08I	983.13	5/7/04	9.51	---	0.00	23.09	23.39	0.30	973.62
LSSC-08I	983.13	5/14/04	11.54	---	0.00	23.1	23.39	0.29	971.59
LSSC-08I	983.13	5/21/04	10.16	---	0.00	23.14	23.39	0.25	972.97
LSSC-08I	983.13	5/26/04	6.02	---	0.00	23.3	23.39	0.09	977.11
LSSC-08S	983.11	5/26/04	6.92	---	0.00	---	14.68	0.00	976.19
LSSC-16I	980.88	5/26/04	4.64	---	0.00	---	28.51	0.00	976.24
LSSC-18	987.32	5/26/04	12.10	---	0.00	---	18.59	0.00	975.22
LSSC-32	980.68	5/26/04	4.25	---	0.00	---	35.23	0.00	976.43
LSSC-33	980.49	5/26/04	5.45	---	0.00	---	29.75	0.00	975.04
MW-6R	985.14	5/26/04	9.10	---	0.00	---	13.91	0.00	976.04
RW-1	984.88	5/5/04	9.61	---	0.00	---	21.00	0.00	975.27
RW-1	984.88	5/12/04	9.75	---	0.00	P	21.00	< 0.01	975.13
RW-1	984.88	5/19/04	10.05	---	0.00	---	21.00	0.00	974.83
RW-1	984.88	5/25/04	10.08	P	< 0.01	20.84	21.00	0.16	974.80
RW-1 (R)	985.07	5/5/04	9.72	---	0.00	---	20.42	0.00	975.35
RW-1 (R)	985.07	5/12/04	15.88	---	0.00	P	20.42	< 0.01	969.19
RW-1 (R)	985.07	5/19/04	15.82	P	< 0.01	P	20.42	< 0.01	969.25
RW-1 (R)	985.07	5/25/04	15.68	P	< 0.01	---	20.42	0.00	969.39
RW-2	987.82	5/5/04	12.90	---	0.00	---	21.75	0.00	974.92
RW-2	987.82	5/12/04	12.93	---	0.00	---	21.75	0.00	974.89
RW-2	987.82	5/19/04	13.95	---	0.00	---	21.75	0.00	973.87
RW-2	987.82	5/25/04	11.50	---	0.00	---	21.75	0.00	976.32
RW-3	984.08	5/5/04	11.00	P	< 0.01	---	21.57	0.00	973.08
RW-3	984.08	5/12/04	9.59	9.58	0.01	---	21.57	0.00	974.50
RW-3	984.08	5/19/04	11.20	11.19	0.01	---	21.57	0.00	972.89
RW-3	984.08	5/25/04	9.95	P	< 0.01	---	21.57	0.00	974.13
Housatonic River (Lyman Street Bridge)									
BM-2A	986.32	5/7/04	13.35	---	---	---	---	---	972.97
BM-2A	986.32	5/14/04	15.85	---	---	---	---	---	970.47
BM-2A	986.32	5/21/04	13.60	---	---	---	---	---	972.72
BM-2A	986.32	5/26/04	9.00	---	---	---	---	---	977.32

TABLE 21-11
ROUTINE WELL MONITORING
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. P indicates that LNAPL or DNAPL is present at a thickness that is < 0.01 feet. The corresponding thickness is
5. The Housatonic River Gauge was removed by Maxymillian Technologies on July 8, 2002 during construction activities. A survey reference point (BM-2A) was established on the Lyman Street Bridge. The "Depth to Water" value(s) provided in the above table refer to the vertical distance from the surveyed reference point to the water

TABLE 21-12
ACTIVE DNAPL RECOVERY SYSTEMS MONTHLY SUMMARY
NEWELL STREET AREA II
GROUNDWATER MANAGEMENT AREA 1
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004

Recovery System	Date	Total Gallons Recovered
System 1	May 2003	28.0
	June 2003	27.0
	July 2003	28.0
	August 2003	53.0
	September 2003	26.0
	October 2003	56.0
	November 2003	27.0
	December 2003	47.0
	January 2004	24.0
	February 2004	25.5
	March 2004	25.3
	April 2004	26.4
	May 2004	19.0
System 2	May 2003	65.0
	June 2003	114.0
	July 2003	130.0
	August 2003	115.0
	September 2003	390.0
	October 2003	227.0
	November 2003	146.0
	December 2003	182.0
	January 2004	128.0
	February 2004	139.0
	March 2004	112.0
	April 2004	320.0
	May 2004	138.8
Total Automated DNAPL Removal for May 2004:		157.8 Gallons

Notes:

1. System 1 wells are NS-15, NS-30, and NS-32.
2. System 2 wells are N2SC-01I, N2SC-02, N2SC-03I, and N2SC-14.

TABLE 21-13
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
CONSENT DECREE MONTHLY STATUS REPORT
GROUNDWATER MANAGEMENT AREA 1 - NEWELL STREET AREA II
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL
May 2004

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	May 2004 Removal (liters)
N2SC-08	5/27/2004	9.97	40.19	2.38	1.468	1.468

Total DNAPL Removal for May 2004: 1.468 liters
0.387 gallons

Note:

1. ft BMP - feet Below Measuring Point.

TABLE 21-14
ROUTINE WELL MONITORING
NEWELL STREET AREA II
GROUNDWATER MANAGEMENT AREA 1
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
N2SC-02	985.56	5/27/04	10.32	---	0.00	---	40.42	0.00	975.24
N2SC-07	984.61	5/27/04	9.75	---	0.00	---	38.15	0.00	974.86
N2SC-08	986.07	5/27/04	9.97	---	0.00	40.19	42.57	2.38	976.10

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.

**TABLE 21-15
ROUTINE WELL MONITORING
SILVER LAKE AREA
GROUNDWATER MANAGEMENT AREA 1
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
Monitoring Wells Adjacent to Silver Lake									
SLGW-01S	982.94	5/26/04	6.45	---	0.00	---	16.09	0.00	976.49
SLGW-01D	983.13	5/26/04	3.92	---	0.00	---	36.83	0.00	979.21
SLGW-02S	985.39	5/26/04	7.67	---	0.00	---	16.62	0.00	977.72
SLGW-02D	985.10	5/26/04	6.97	---	0.00	---	36.74	0.00	978.13
SLGW-03S	980.21	5/26/04	3.59	---	0.00	---	14.43	0.00	976.62
SLGW-03D	979.14	5/26/04	0.65	---	0.00	---	31.85	0.00	978.49
SLGW-04S	984.02	5/26/04	7.24	---	0.00	---	16.51	0.00	976.78
SLGW-04D	983.51	5/26/04	5.52	---	0.00	---	37.04	0.00	977.99
SLGW-05S	979.12	5/26/04	2.71	---	0.00	---	12.46	0.00	976.41
SLGW-05D	979.3	5/26/04	2.97	---	0.00	---	34.77	0.00	976.33
SLGW-06S	981.66	5/26/04	5.01	---	0.00	---	13.58	0.00	976.65
SLGW-06D	981.63	5/26/04	4.56	---	0.00	---	34.83	0.00	977.07
Silver Lake Gauge	NA	5/7/04	4.30	---	---	---	---	---	NA
Silver Lake Gauge	NA	5/14/04	4.50	---	---	---	---	---	NA
Silver Lake Gauge	NA	5/21/04	4.38	---	---	---	---	---	NA

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. A new Silver Lake Gauge has been installed and will be surveyed to obtain a new horizontal datum. "Depth to Water" values provided refer to feet above the datum, rather than feet below the measuring point.
5. Silver Lake surface water readings are collected outside of each piezometer from the same measuring point used for groundwater elevation measurements (collected within the piezometers). The Total Depth readings listed refer to the surface water depth as measured from the reference point.
6. Additional groundwater elevation data was collected from wells near Silver Lake that are located in the 30s Complex and at the Lyman Street Area. Those results are presented in the monitoring tables for those Removal Action Areas.

ITEM 22
GROUNDWATER MANAGEMENT AREAS
FORMER OXBOWS J & K (GMA 2)
(GECD320)
MAY 2004

* All activities described below for this item were conducted pursuant to the Consent Decree.

a. Activities Undertaken/Completed

- Completed spring 2004 interim groundwater sampling activities.
- Collected fourth round of baseline groundwater samples at wells GMA2-7 and OJ-MW-2, where access had previously been denied.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

Initiate preparation of Groundwater Management Area 2 Groundwater Quality Report for Spring 2004.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA's conditional approval of *Groundwater Management Area 2 Baseline Groundwater Quality Interim Report for Fall 2003* (May 13, 2004).

**TABLE 22-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**GROUNDWATER MANAGEMENT AREA 2
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Semi-Annual Groundwater Sampling	DUP-8 (OJ-MW-2)	5/24/04	Water	CT&E	PCB, PCB(f), VOC, SVOC, Metals, Metals(f), CN, CN(f), Sulfide, PCDD/PCDF	
Semi-Annual Groundwater Sampling	GMA2-1	5/21/04	Water	CT&E	PCB(f), CN(f)	
Semi-Annual Groundwater Sampling	GMA2-4	5/25/04	Water	CT&E	PCB(f)	
Semi-Annual Groundwater Sampling	GMA2-7	5/20/04	Water	CT&E	PCB, PCB(f), VOC, SVOC, Metals, Metals(f), CN, CN(f), Sulfide, PCDD/PCDF	
Semi-Annual Groundwater Sampling	GMA2-9	5/25/04	Water	CT&E	PCB(f), CN(f)	
Semi-Annual Groundwater Sampling	OJ-MW-2	5/24/04	Water	CT&E	PCB, PCB(f), VOC, SVOC, Metals, Metals(f), CN, CN(f), Sulfide, PCDD/PCDF	

Notes:

1. Field duplicate sample locations are presented in parenthesis.
2. (f) - Indicates filtered analysis requested.

TABLE 22-2
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 2
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
Former Oxbow Area J									
GMA 2-1	991.36	5/19/2004	15.20	---	0.00	---	27.31	0.00	976.16
GMA 2-2	991.19	5/19/2004	17.12	---	0.00	---	25.27	0.00	974.07
GMA 2-3	991.48	5/19/2004	13.79	---	0.00	---	18.56	0.00	977.69
GMA 2-6	989.73	5/19/2004	14.57	---	0.00	---	23.56	0.00	975.16
GMA 2-7	989.64	5/19/2004	13.91	---	0.00	---	18.59	0.00	975.73
J-1R	988.25	5/19/2004	14.47	---	0.00	---	21.28	0.00	973.78
MW-1	994.47	5/19/2004	11.09	---	0.00	---	19.45	0.00	983.38
MW-2	991.64	5/19/04	13.74	---	0.00	---	16.84	0.00	977.90
Former Oxbow Area K									
GMA 2-4	983.41	5/19/04	8.52	---	0.00	---	18.08	0.00	974.89
GMA 2-5	985.85	5/19/04	9.07	---	0.00	---	16.16	0.00	976.78
GMA 2-8	982.30	5/19/04	8.04	---	0.00	---	17.47	0.00	974.26
GMA 2-9	981.29	5/19/04	7.28	---	0.00	---	18.23	0.00	974.01
Housatonic River (Foot Bridge)									
GMA2-SG-1	989.82	5/19/04	16.64	---	---	---	---	---	973.18

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. A survey reference point (GMA2-SG-1) was established on the foot bridge which crosses the Housatonic River. The "Depth to Water" value(s) provided in the above table refer to the vertical distance from the surveyed reference point to the water surface.

ITEM 23
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 2 (GMA 3)
(GEC330)
MAY 2004

* All activities described below for this item were conducted pursuant to the Consent Decree.

a. Activities Undertaken/Completed

- Completed spring 2004 baseline groundwater quality sampling event.
- Conducted monthly monitoring and NAPL removal in the vicinity of Buildings 51 and 59. Approximately 17.06 liters (4.5 gallons) of LNAPL were removed by the automatic skimmer located in well 51-21 and an additional 5.77 liters (1.52 gallon) of LNAPL were manually removed from the wells in this area (see Table 23-4).
- Conducted sampling of NAPL from well GMA3-10.

b. Sampling/Test Results Received

- See attached tables.
- Preliminary analytical results received in May 2004 from the spring 2004 GMA 3 baseline groundwater quality monitoring activities are shown in Table 23-3. These preliminary results have been compared to the applicable Method 1 GW-2 and GW-3 groundwater standards and UCLs for groundwater set forth in the MCP. These comparisons show the following:
 - The MCP UCL for chlorobenzene in groundwater (10 ppm) was exceeded in the samples from monitoring wells 2A, 16A and 89A. Similar exceedances were previously observed in these wells.
 - There were no other exceedances of UCLs in any of the groundwater sample results received in May 2004.
 - The MCP GW-2 standards were not exceeded in any of the GW-2 groundwater sample results received in May 2004.
 - The MCP GW-3 standard for chlorobenzene (0.5 ppm) was exceeded in the samples from GW-3 monitoring wells 39B-R, 78B-R, 89A, and 89B. Similar exceedances were previously observed in these wells.
 - Although wells 2A and 16A are 50-foot-deep natural attenuation wells and are not monitoring points for the GW-3 standards, we note, for completeness, that the concentrations of chlorobenzene and benzene in the samples from those wells were greater than the MCP GW-3 standards. This was also true in previous sampling events.

**ITEM 23
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 2 (GMA 3)
(GEC330)
MAY 2004**

b. Sampling/Test Results Received (cont'd)

- No other exceedances of the MCP GW-3 standards were observed in any of the groundwater sample results received in May 2004.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

- Continue ongoing NAPL monitoring and recovery activities.
- Submit a letter summarizing the changes to the baseline monitoring program that were agreed upon during the May 21, 2004 technical meeting discussed in Item 23.e below.
- Install replacement monitoring wells (see Item 23.e).
- Conduct summer 2004 groundwater elevation monitoring event.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Ten wells were found to be unusable during the spring 2004 sampling event. GE discussed potential responses to these issues during a technical meeting with EPA on May 21, 2004, and an agreement was reached to replace seven of the wells and to remove three wells from the natural attenuation monitoring program. GE will submit a letter to EPA summarizing the changes to the baseline monitoring program that were agreed to during that technical meeting.

f. Proposed/Approved Work Plan Modifications

- See Item 23.e above.
- Received EPA's conditional approval of the *Groundwater Management Area 3 Baseline Groundwater Quality Interim Report for 2003* (May 19, 2004).

**TABLE 23-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
GMA3-10 NAPL Drum Sampling	GMA3-10-C0913-NAPL-1	5/7/04	NAPL	CT&E	PCB, VOC, SVOC, RCRA Metals, Flashpoint	5/24/04
Semi-Annual Groundwater Sampling	111B	4/22/04	Water	CT&E	PCB, PCB(f), VOC, SVOC, Metals, Metals(f), CN, CN(f), Sulfide, PCDD/PCDF. Pest. Herb. Natural Attenuation Parameters	5/6/04
Semi-Annual Groundwater Sampling	114A	4/30/04	Water	CT&E	VOC, Natural Attenuation Parameters	5/20/04
Semi-Annual Groundwater Sampling	114B	5/7/04	Water	CT&E	Metals(f), CN, CN(f)	5/19/04
Semi-Annual Groundwater Sampling	114B	5/12/04	Water	CT&E	Natural Attenuation Parameters	5/31/04
Semi-Annual Groundwater Sampling	114B	5/11/04	Water	CT&E	PCB, PCB(f)	5/31/04
Semi-Annual Groundwater Sampling	114B	5/12/04	Water	CT&E	PCDD/PCDF	5/31/04
Semi-Annual Groundwater Sampling	114B	5/13/04	Water	CT&E	Pest, Herb	5/31/04
Semi-Annual Groundwater Sampling	114B	5/14/04	Water	CT&E	Sulfide	5/21/04
Semi-Annual Groundwater Sampling	114B	5/6/04	Water	CT&E	VOC, SVOC	5/19/04
Semi-Annual Groundwater Sampling	16A	4/14/04	Water	CT&E	VOC, SVOC, Natural Attenuation Parameters	5/4/04
Semi-Annual Groundwater Sampling	16B-R	4/15/04	Water	CT&E	VOC, Natural Attenuation Parameters	5/4/04
Semi-Annual Groundwater Sampling	2A	4/12/04	Water	CT&E	VOC, SVOC, Natural Attenuation Parameters	5/4/04
Semi-Annual Groundwater Sampling	39B-R	4/13/04	Water	CT&E	VOC, SVOC, Natural Attenuation Parameters	5/4/04
Semi-Annual Groundwater Sampling	39D	4/14/04	Water	CT&E	VOC, Natural Attenuation Parameters	5/4/04
Semi-Annual Groundwater Sampling	39E	4/21/04	Water	CT&E	VOC, Natural Attenuation Parameters	5/6/04
Semi-Annual Groundwater Sampling	43A	4/14/04	Water	CT&E	VOC, Natural Attenuation Parameters	5/4/04
Semi-Annual Groundwater Sampling	43B	4/21/04	Water	CT&E	VOC, Natural Attenuation Parameters	5/6/04
Semi-Annual Groundwater Sampling	51-14	4/13/04	Water	CT&E	VOC	5/4/04
Semi-Annual Groundwater Sampling	78B-R	4/22/04	Water	CT&E	PCB, PCB(f), VOC, SVOC, Metals, Metals(f), CN, CN(f), Sulfide, PCDD/PCDF. Pest. Herb	5/17/04
Semi-Annual Groundwater Sampling	78B-R	5/3/04	Water	CT&E	VOC	5/10/04
Semi-Annual Groundwater Sampling	89A	5/12/04	Water	CT&E	VOC, SVOC, Natural Attenuation Parameters	5/31/04
Semi-Annual Groundwater Sampling	89B	4/30/04	Water	CT&E	PCB, PCB(f), VOC, SVOC, Metals, Metals(f), CN, CN(f), Sulfide, PCDD/PCDF. Pest. Herb. Natural Attenuation Parameters	5/20/04
Semi-Annual Groundwater Sampling	90A	4/26/04	Water	CT&E	VOC, Natural Attenuation Parameters	5/17/04
Semi-Annual Groundwater Sampling	90B	4/23/04	Water	CT&E	PCB, PCB(f), VOC, SVOC, Metals, Metals(f), CN, CN(f), Sulfide, PCDD/PCDF. Pest. Herb. Natural Attenuation Parameters	5/17/04
Semi-Annual Groundwater Sampling	90B	4/29/04	Water	CT&E	VOC	5/13/04
Semi-Annual Groundwater Sampling	95A	5/7/04	Water	CT&E	VOC, SVOC, Natural Attenuation Parameters	5/19/04
Semi-Annual Groundwater Sampling	DUP-5 (39E)	4/21/04	Water	CT&E	VOC, Natural Attenuation Parameters	5/6/04

**TABLE 23-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Semi-Annual Groundwater Sampling	DUP-7 (89B)	4/30/04	Water	CT&E	PCB, PCB(f), VOC, SVOC, Metals, Metals(f), CN, CN(f), Sulfide, PCDD/PCDF, Pest. Herb. Natural Attenuation Paramters	5/20/04
Semi-Annual Groundwater Sampling	GMA3-2	4/15/04	Water	CT&E	VOC	5/4/04
Semi-Annual Groundwater Sampling	GMA3-3	4/12/04	Water	CT&E	PCB, PCB(f), VOC, SVOC, Metals, Metals(f), CN, CN(f), Sulfide, PCDD/PCDF, Pest. Herb	5/4/04
Semi-Annual Groundwater Sampling	GMA3-8	4/21/04	Water	CT&E	VOC	5/6/04
Semi-Annual Groundwater Sampling	GMA3-9	4/20/04	Water	CT&E	VOC	5/6/04

Notes:

1. Field duplicate sample locations are presented in parenthesis.
2. (f) - Indicates filtered analysis requested.

**TABLE 23-2
DATA RECEIVED DURING MAY 2004**

**GMA3-10 NAPL DRUM SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	GMA3-10-C0913-NAPL-1 05/07/04
Volatile Organics		
Xylenes (total)		1.8
PCBs		
Aroclor-1254		2.2
Aroclor-1260		2.1
Total PCBs		4.3
Semivolatile Organics		
None Detected		--
Inorganics		
Barium		1.40
Chromium		0.430 B
Lead		3.30
Selenium		1.20
Silver		0.340 B
Waste Characterization		
Flashpoint (°F)		>180

Notes:

1. Sample was collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles, metals and flashpoint.
2. Only detected constituents are summarized.
3. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).

**TABLE 23-3
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	2A 04/12/04	16A 04/14/04	16B-R 04/15/04	39B-R 04/13/04	39D 04/14/04
Volatile Organics						
Benzene		21	13	ND(0.0050)	0.59	ND(0.0050)
Chlorobenzene		81	24	ND(0.0050)	9.7	0.019
Ethylbenzene		ND(5.0)	ND(0.50)	ND(0.0050)	ND(0.50)	ND(0.0050)
Toluene		ND(5.0)	0.78	ND(0.0050)	ND(0.50)	ND(0.0050)
Trichloroethene		8.4	ND(0.50)	ND(0.0050)	ND(0.50)	ND(0.0050)
Xylenes (total)		ND(5.0)	ND(0.50)	ND(0.010)	ND(0.50)	ND(0.010)
PCBs-Unfiltered						
Aroclor-1254		NA	NA	NA	NA	NA
Aroclor-1260		NA	NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA	NA
PCBs-Filtered						
Aroclor-1254		NA	NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA	NA
Semivolatile Organics						
1,2-Dichlorobenzene		NA	NA	ND(0.0050)	NA	NA
1,4-Dichlorobenzene		NA	NA	0.0024 J	NA	NA
2-Chlorophenol		ND(0.010)	0.027	NA	ND(0.010)	NA
Acenaphthene		NA	NA	NA	NA	NA
Anthracene		NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate		NA	NA	NA	NA	NA
Dibenzofuran		NA	NA	NA	NA	NA
Fluorene		NA	NA	NA	NA	NA
Naphthalene		NA	NA	ND(0.0050)	NA	NA
Phenanthrene		NA	NA	NA	NA	NA
Phenol		NA	NA	NA	NA	NA
Organochlorine Pesticides						
4,4'-DDD		NA	NA	NA	NA	NA
Organophosphate Pesticides						
None Detected		NA	NA	NA	NA	NA
Herbicides						
None Detected		NA	NA	NA	NA	NA
Furans						
2,3,7,8-TCDF		NA	NA	NA	NA	NA
TCDFs (total)		NA	NA	NA	NA	NA
1,2,3,7,8-PeCDF		NA	NA	NA	NA	NA
2,3,4,7,8-PeCDF		NA	NA	NA	NA	NA
PeCDFs (total)		NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF		NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF		NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDF		NA	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF		NA	NA	NA	NA	NA
HxCDFs (total)		NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF		NA	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF		NA	NA	NA	NA	NA
HpCDFs (total)		NA	NA	NA	NA	NA
OCDF		NA	NA	NA	NA	NA

**TABLE 23-3
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	2A 04/12/04	16A 04/14/04	16B-R 04/15/04	39B-R 04/13/04	39D 04/14/04
Dioxins						
2,3,7,8-TCDD		NA	NA	NA	NA	NA
TCDDs (total)		NA	NA	NA	NA	NA
1,2,3,7,8-PeCDD		NA	NA	NA	NA	NA
PeCDDs (total)		NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDD		NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD		NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDD		NA	NA	NA	NA	NA
HxCDDs (total)		NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD		NA	NA	NA	NA	NA
HpCDDs (total)		NA	NA	NA	NA	NA
OCDD		NA	NA	NA	NA	NA
Total TEQs (WHO TEFs)		NA	NA	NA	NA	NA
Inorganics-Unfiltered						
Antimony		NA	NA	NA	NA	NA
Arsenic		NA	NA	NA	NA	NA
Barium		NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA
Cyanide		NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA
Mercury		NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA
Tin		NA	NA	NA	NA	NA
Vanadium		NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA
Inorganics-Filtered						
Antimony		NA	NA	NA	NA	NA
Arsenic		NA	NA	NA	NA	NA
Barium		NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA
Cyanide		NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA
Mercury		NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA
Tin		NA	NA	NA	NA	NA
Vanadium		NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA
Natural Attenuation Parameters						
Alkalinity (Total)		190	470	510	490	140
Chloride		16	1900	270	230	4.3
Dissolved Iron		ND(0.0500)	0.640	ND(0.0500)	ND(0.0500)	0.0540
Dissolved Organic Carbon		3.10	38.0	11.0	12.0	2.30
Ethane		0.0045	ND(0.020)	ND(0.020)	ND(0.0040)	ND(0.0040)
Ethene		0.017	0.23	ND(0.015)	0.0033	ND(0.0030)
Methane		0.0110	1.30	0.740	0.230	ND(0.00200)
Nitrate Nitrogen		0.0170 B	0.0170 B	0.100	1.30	ND(0.0500)
Nitrite Nitrogen		0.0440 B	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Sulfate (turbidimetric)		26.0	1.60 B	23.0	9.90	19.0

**TABLE 23-3
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	39E 04/21/04	43A 04/14/04	43B 04/21/04	51-14 04/13/04
Volatile Organics					
Benzene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Ethylbenzene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene		0.0017 J [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Xylenes (total)		ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
PCBs-Unfiltered					
Aroclor-1254		NA	NA	NA	NA
Aroclor-1260		NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA
PCBs-Filtered					
Aroclor-1254		NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA
Semivolatile Organics					
1,2-Dichlorobenzene		NA	NA	NA	ND(0.0050)
1,4-Dichlorobenzene		NA	NA	NA	ND(0.0050)
2-Chlorophenol		NA	NA	NA	NA
Acenaphthene		NA	NA	NA	NA
Anthracene		NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate		NA	NA	NA	NA
Dibenzofuran		NA	NA	NA	NA
Fluorene		NA	NA	NA	NA
Naphthalene		NA	NA	NA	ND(0.0050)
Phenanthrene		NA	NA	NA	NA
Phenol		NA	NA	NA	NA
Organochlorine Pesticides					
4,4'-DDD		NA	NA	NA	NA
Organophosphate Pesticides					
None Detected		NA	NA	NA	NA
Herbicides					
None Detected		NA	NA	NA	NA
Furans					
2,3,7,8-TCDF		NA	NA	NA	NA
TCDFs (total)		NA	NA	NA	NA
1,2,3,7,8-PeCDF		NA	NA	NA	NA
2,3,4,7,8-PeCDF		NA	NA	NA	NA
PeCDFs (total)		NA	NA	NA	NA
1,2,3,4,7,8-HxCDF		NA	NA	NA	NA
1,2,3,6,7,8-HxCDF		NA	NA	NA	NA
1,2,3,7,8,9-HxCDF		NA	NA	NA	NA
2,3,4,6,7,8-HxCDF		NA	NA	NA	NA
HxCDFs (total)		NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF		NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF		NA	NA	NA	NA
HpCDFs (total)		NA	NA	NA	NA
OCDF		NA	NA	NA	NA

**TABLE 23-3
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	39E 04/21/04	43A 04/14/04	43B 04/21/04	51-14 04/13/04
Dioxins					
2,3,7,8-TCDD		NA	NA	NA	NA
TCDDs (total)		NA	NA	NA	NA
1,2,3,7,8-PeCDD		NA	NA	NA	NA
PeCDDs (total)		NA	NA	NA	NA
1,2,3,4,7,8-HxCDD		NA	NA	NA	NA
1,2,3,6,7,8-HxCDD		NA	NA	NA	NA
1,2,3,7,8,9-HxCDD		NA	NA	NA	NA
HxCDDs (total)		NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD		NA	NA	NA	NA
HpCDDs (total)		NA	NA	NA	NA
OCDD		NA	NA	NA	NA
Total TEQs (WHO TEFs)		NA	NA	NA	NA
Inorganics-Unfiltered					
Antimony		NA	NA	NA	NA
Arsenic		NA	NA	NA	NA
Barium		NA	NA	NA	NA
Chromium		NA	NA	NA	NA
Copper		NA	NA	NA	NA
Cyanide		NA	NA	NA	NA
Lead		NA	NA	NA	NA
Mercury		NA	NA	NA	NA
Nickel		NA	NA	NA	NA
Tin		NA	NA	NA	NA
Vanadium		NA	NA	NA	NA
Zinc		NA	NA	NA	NA
Inorganics-Filtered					
Antimony		NA	NA	NA	NA
Arsenic		NA	NA	NA	NA
Barium		NA	NA	NA	NA
Chromium		NA	NA	NA	NA
Copper		NA	NA	NA	NA
Cyanide		NA	NA	NA	NA
Lead		NA	NA	NA	NA
Mercury		NA	NA	NA	NA
Nickel		NA	NA	NA	NA
Tin		NA	NA	NA	NA
Vanadium		NA	NA	NA	NA
Zinc		NA	NA	NA	NA
Natural Attenuation Parameters					
Alkalinity (Total)		94.0 [97.0]	370	590	NA
Chloride		10 [10]	39	57	NA
Dissolved Iron		ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0500)	NA
Dissolved Organic Carbon		2.30 [2.80]	5.70	11.0	NA
Ethane		ND(0.0040) [ND(0.0040)]	ND(0.0040)	ND(0.020)	NA
Ethene		ND(0.0030) [ND(0.0030)]	ND(0.0030)	ND(0.015)	NA
Methane		0.370 [0.310]	0.110	0.770	NA
Nitrate Nitrogen		0.320 [0.290]	0.0280 B	ND(0.0500)	NA
Nitrite Nitrogen		ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0500)	NA
Sulfate (turbidimetric)		3.60 [3.00]	48.0	ND(2.00)	NA

**TABLE 23-3
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	78B-R 4/22-05/03/04	89A 05/12/04	89B 04/30/04
Volatile Organics				
Benzene		1.6	5.9	0.16 [0.16]
Chlorobenzene		2.5	22	0.91 [0.89]
Ethylbenzene		ND(0.10)	ND(0.050)	ND(0.0050) [ND(0.0050)]
Toluene		ND(0.10)	ND(0.050)	ND(0.0050) [ND(0.0050)]
Trichloroethene		ND(0.10)	ND(0.050)	ND(0.0050) [ND(0.0050)]
Xylenes (total)		ND(0.10)	ND(0.050)	ND(0.010) [ND(0.010)]
PCBs-Unfiltered				
Aroclor-1254		0.00024	NA	ND(0.000065) [ND(0.000065)]
Aroclor-1260		0.00013	NA	ND(0.000065) [ND(0.000065)]
Total PCBs		0.00037	NA	ND(0.000065) [ND(0.000065)]
PCBs-Filtered				
Aroclor-1254		ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Total PCBs		ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Semivolatile Organics				
1,2-Dichlorobenzene		ND(0.010)	NA	ND(0.010) [ND(0.010)]
1,4-Dichlorobenzene		0.027	NA	ND(0.010) [ND(0.010)]
2-Chlorophenol		0.0077 J	ND(0.010)	ND(0.010) [ND(0.010)]
Acenaphthene		ND(0.010)	NA	ND(0.010) [ND(0.010)]
Anthracene		0.0026 J	NA	ND(0.010) [ND(0.010)]
bis(2-Ethylhexyl)phthalate		0.0030 J	NA	ND(0.0060) [ND(0.0060)]
Dibenzofuran		0.0082 J	NA	ND(0.010) [ND(0.010)]
Fluorene		0.0085 J	NA	ND(0.010) [ND(0.010)]
Naphthalene		0.024	NA	ND(0.010) [ND(0.010)]
Phenanthrene		0.0061 J	NA	ND(0.010) [ND(0.010)]
Phenol		0.018	NA	ND(0.010) [ND(0.010)]
Organochlorine Pesticides				
4,4'-DDD		ND(0.00010)	NA	ND(0.00010) [ND(0.00010)]
Organophosphate Pesticides				
None Detected		--	NA	--
Herbicides				
None Detected		--	NA	--
Furans				
2,3,7,8-TCDF		0.0000000041 J	NA	ND(0.0000000034) [ND(0.0000000043)]
TCDFs (total)		0.0000000087	NA	ND(0.0000000034) [ND(0.0000000043)]
1,2,3,7,8-PeCDF		0.000000013 J	NA	ND(0.0000000029) [ND(0.0000000039)]
2,3,4,7,8-PeCDF		0.0000000084 J	NA	ND(0.0000000029) [ND(0.0000000037)]
PeCDFs (total)		0.000000024	NA	ND(0.0000000029) [ND(0.0000000039)]
1,2,3,4,7,8-HxCDF		0.0000000072 J	NA	ND(0.0000000010) [ND(0.0000000015)]
1,2,3,6,7,8-HxCDF		0.0000000076 J	NA	ND(0.0000000010) [ND(0.0000000014)]
1,2,3,7,8,9-HxCDF		0.0000000055 J	NA	ND(0.0000000012) [ND(0.0000000017)]
2,3,4,6,7,8-HxCDF		ND(0.0000000049) X	NA	ND(0.0000000010) [ND(0.0000000014)]
HxCDFs (total)		0.000000020	NA	ND(0.0000000012) [ND(0.0000000017)]
1,2,3,4,6,7,8-HpCDF		0.0000000046 J	NA	ND(0.0000000020) [ND(0.0000000023)]
1,2,3,4,7,8,9-HpCDF		0.0000000026 J	NA	ND(0.0000000026) [ND(0.0000000030)]
HpCDFs (total)		0.0000000073	NA	ND(0.0000000026) [ND(0.0000000030)]
OCDF		0.0000000059 J	NA	ND(0.0000000065) [ND(0.0000000084)]

**TABLE 23-3
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	78B-R 4/22-05//03/04	89A 05/12/04	89B 04/30/04
Dioxins				
2,3,7,8-TCDD		0.0000000040 J	NA	ND(0.0000000026) [ND(0.0000000040)]
TCDDs (total)		0.0000000040	NA	ND(0.0000000026) [ND(0.0000000040)]
1,2,3,7,8-PeCDD		0.0000000096 J	NA	ND(0.0000000078) [ND(0.0000000086)]
PeCDDs (total)		0.0000000096	NA	ND(0.0000000078) [ND(0.0000000086)]
1,2,3,4,7,8-HxCDD		0.0000000059 J	NA	ND(0.0000000035) [ND(0.0000000047)]
1,2,3,6,7,8-HxCDD		0.0000000054 J	NA	ND(0.0000000033) [ND(0.0000000044)]
1,2,3,7,8,9-HxCDD		0.0000000064 J	NA	ND(0.0000000036) [ND(0.0000000048)]
HxCDDs (total)		0.000000018	NA	ND(0.0000000036) [ND(0.0000000048)]
1,2,3,4,6,7,8-HpCDD		0.0000000042 J	NA	ND(0.0000000048) [ND(0.0000000057)]
HpCDDs (total)		0.0000000042	NA	ND(0.0000000048) [ND(0.0000000057)]
OCDD		0.000000014 J	NA	ND(0.0000000049) [ND(0.0000000055)]
Total TEQs (WHO TEFs)		0.000000023	NA	0.0000000069 [0.0000000086]
Inorganics-Unfiltered				
Antimony		ND(0.0600)	NA	ND(0.0600) [ND(0.0600)]
Arsenic		ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]
Barium		1.60	NA	0.0630 B [0.0620 B]
Chromium		ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]
Copper		ND(0.0250)	NA	ND(0.0250) [ND(0.0250)]
Cyanide		ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]
Lead		ND(0.00300)	NA	ND(0.00300) [ND(0.00300)]
Mercury		ND(0.000200)	NA	ND(0.000200) [ND(0.000200)]
Nickel		0.0200 B	NA	ND(0.0400) [ND(0.0400)]
Tin		ND(0.0300)	NA	ND(0.0300) [ND(0.0300)]
Vanadium		ND(0.0500)	NA	ND(0.0500) [ND(0.0500)]
Zinc		ND(0.0200)	NA	0.0200 [0.0480]
Inorganics-Filtered				
Antimony		ND(0.0600)	NA	0.0110 B [0.00960 B]
Arsenic		ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]
Barium		1.30	NA	0.0540 B [0.0560 B]
Chromium		ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]
Copper		ND(0.0250)	NA	ND(0.0250) [ND(0.0250)]
Cyanide		0.00140 B	NA	ND(0.0100) [ND(0.0100)]
Lead		ND(0.00300)	NA	ND(0.00300) [ND(0.00300)]
Mercury		ND(0.000200)	NA	ND(0.000200) [ND(0.000200)]
Nickel		0.0160 B	NA	0.00210 B [ND(0.0400)]
Tin		ND(0.0300)	NA	ND(0.0300) [ND(0.0300)]
Vanadium		ND(0.0500)	NA	ND(0.0500) [ND(0.0500)]
Zinc		0.00410 B	NA	ND(0.0200) [0.00190 B]
Natural Attenuation Parameters				
Alkalinity (Total)		NA	350	220 [210]
Chloride		NA	390	91 [98]
Dissolved Iron		NA	ND(0.0500)	2.10 [3.20]
Dissolved Organic Carbon		NA	8.60	8.70 [9.00]
Ethane		NA	0.044	ND(0.040) [ND(0.040)]
Ethene		NA	0.057	ND(0.030) [ND(0.030)]
Methane		NA	0.850 E	2.40 [2.30]
Nitrate Nitrogen		NA	0.0100 B	0.0280 B [0.0610]
Nitrite Nitrogen		NA	ND(0.0500)	ND(0.0500) [ND(0.0500)]
Sulfate (turbidimetric)		NA	ND(2.00)	0.180 B [0.170 B]

**TABLE 23-3
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	90A 04/26/04	90B 04/23/04	95A 05/07/04	111B 04/22/04	114A 04/30/04
Volatile Organics						
Benzene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Ethylbenzene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Xylenes (total)		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
PCBs-Unfiltered						
Aroclor-1254		NA	ND(0.000065)	NA	0.00013	NA
Aroclor-1260		NA	ND(0.000065)	NA	ND(0.000065)	NA
Total PCBs		NA	ND(0.000065)	NA	0.00013	NA
PCBs-Filtered						
Aroclor-1254		NA	ND(0.000065)	NA	0.000040 J	NA
Total PCBs		NA	ND(0.000065)	NA	0.000040 J	NA
Semivolatile Organics						
1,2-Dichlorobenzene		NA	ND(0.010)	NA	ND(0.010)	NA
1,4-Dichlorobenzene		NA	ND(0.010)	NA	ND(0.010)	NA
2-Chlorophenol		NA	ND(0.010)	ND(0.010)	ND(0.010)	NA
Acenaphthene		NA	ND(0.010)	NA	ND(0.010)	NA
Anthracene		NA	ND(0.010)	NA	ND(0.010)	NA
bis(2-Ethylhexyl)phthalate		NA	ND(0.0060)	NA	ND(0.0060)	NA
Dibenzofuran		NA	ND(0.010)	NA	ND(0.010)	NA
Fluorene		NA	ND(0.010)	NA	ND(0.010)	NA
Naphthalene		NA	ND(0.010)	NA	ND(0.010)	NA
Phenanthrene		NA	ND(0.010)	NA	ND(0.010)	NA
Phenol		NA	ND(0.010)	NA	ND(0.010)	NA
Organochlorine Pesticides						
4,4'-DDD		NA	ND(0.00010)	NA	ND(0.00010)	NA
Organophosphate Pesticides						
None Detected		NA	--	NA	--	NA
Herbicides						
None Detected		NA	--	NA	--	NA
Furans						
2,3,7,8-TCDF		NA	ND(0.000000034) X	NA	0.000000038 Y	NA
TCDFs (total)		NA	ND(0.000000018)	NA	0.000000051	NA
1,2,3,7,8-PeCDF		NA	0.000000092 J	NA	0.00000022 J	NA
2,3,4,7,8-PeCDF		NA	0.000000065 J	NA	0.00000015 J	NA
PeCDFs (total)		NA	0.00000016	NA	0.00000037	NA
1,2,3,4,7,8-HxCDF		NA	0.000000055 J	NA	0.00000016 J	NA
1,2,3,6,7,8-HxCDF		NA	0.000000061 J	NA	0.00000017 J	NA
1,2,3,7,8,9-HxCDF		NA	0.000000047 J	NA	0.00000015 J	NA
2,3,4,6,7,8-HxCDF		NA	ND(0.000000042) X	NA	0.00000012 J	NA
HxCDFs (total)		NA	0.00000016	NA	0.00000060	NA
1,2,3,4,6,7,8-HpCDF		NA	0.000000044 J	NA	0.00000013 J	NA
1,2,3,4,7,8,9-HpCDF		NA	ND(0.000000024) X	NA	0.00000012 J	NA
HpCDFs (total)		NA	0.000000044	NA	0.00000024	NA
OCDF		NA	ND(0.000000058) X	NA	0.00000021 J	NA

**TABLE 23-3
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	90A 04/26/04	90B 04/23/04	95A 05/07/04	111B 04/22/04	114A 04/30/04
Dioxins						
2,3,7,8-TCDD		NA	ND(0.000000034) X	NA	0.000000043	NA
TCDDs (total)		NA	ND(0.000000024)	NA	0.000000043	NA
1,2,3,7,8-PeCDD		NA	0.000000075 J	NA	0.000000018 J	NA
PeCDDs (total)		NA	0.000000075	NA	0.000000018	NA
1,2,3,4,7,8-HxCDD		NA	0.000000050 J	NA	0.000000032 J	NA
1,2,3,6,7,8-HxCDD		NA	0.000000056 J	NA	0.000000016 J	NA
1,2,3,7,8,9-HxCDD		NA	0.000000069 J	NA	0.000000016 J	NA
HxCDDs (total)		NA	0.000000018	NA	0.000000065	NA
1,2,3,4,6,7,8-HpCDD		NA	ND(0.000000046) X	NA	0.000000018 J	NA
HpCDDs (total)		NA	ND(0.000000034)	NA	0.000000018	NA
OCDD		NA	0.000000013 J	NA	0.000000048 J	NA
Total TEQs (WHO TEFs)		NA	0.000000017	NA	0.000000086	NA
Inorganics-Unfiltered						
Antimony		NA	ND(0.0600)	NA	ND(0.0600)	NA
Arsenic		NA	ND(0.0100)	NA	ND(0.0100)	NA
Barium		NA	0.0200 B	NA	0.0230 B	NA
Chromium		NA	0.00270 B	NA	ND(0.0100)	NA
Copper		NA	ND(0.0250)	NA	ND(0.0250)	NA
Cyanide		NA	ND(0.0100)	NA	0.00150 B	NA
Lead		NA	0.00180 B	NA	ND(0.00300)	NA
Mercury		NA	ND(0.000200)	NA	ND(0.000200)	NA
Nickel		NA	ND(0.0400)	NA	ND(0.0400)	NA
Tin		NA	ND(0.0300)	NA	ND(0.0300)	NA
Vanadium		NA	ND(0.0500)	NA	ND(0.0500)	NA
Zinc		NA	0.00530 B	NA	0.00660 B	NA
Inorganics-Filtered						
Antimony		NA	ND(0.0600)	NA	ND(0.0600)	NA
Arsenic		NA	ND(0.0100)	NA	ND(0.0100)	NA
Barium		NA	0.0220 B	NA	0.0240 B	NA
Chromium		NA	ND(0.0100)	NA	0.00160 B	NA
Copper		NA	ND(0.0250)	NA	0.00180 B	NA
Cyanide		NA	ND(0.0100)	NA	0.00170 B	NA
Lead		NA	ND(0.00300)	NA	ND(0.00300)	NA
Mercury		NA	ND(0.000200)	NA	ND(0.000200)	NA
Nickel		NA	ND(0.0400)	NA	ND(0.0400)	NA
Tin		NA	ND(0.0300)	NA	ND(0.0300)	NA
Vanadium		NA	ND(0.0500)	NA	ND(0.0500)	NA
Zinc		NA	0.00760 B	NA	0.0110 B	NA
Natural Attenuation Parameters						
Alkalinity (Total)		140	130	100	120	130
Chloride		4.6	5.0	1.0	37	1.4
Dissolved Iron		ND(0.0500)	2.90	ND(0.0500)	ND(0.0500)	ND(0.0500)
Dissolved Organic Carbon		2.30	6.90	1.30	2.50	2.20
Ethane		ND(0.0040)	ND(0.0040)	NA	ND(0.0040)	ND(0.0040)
Ethene		ND(0.0030)	ND(0.0030)	NA	ND(0.0030)	ND(0.0030)
Methane		0.0240	0.0160	NA	ND(0.00200)	0.0440
Nitrate Nitrogen		0.0130 B	0.0400 B	0.0620	5.20	0.0360 B
Nitrite Nitrogen		ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Sulfate (turbidimetric)		13.0	11.0	2.60	310	4.80

**TABLE 23-3
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	114B 5/6-05/14/04	GMA3-2 04/15/04	GMA3-3 04/12/04	GMA3-8 04/21/04	GMA3-9 04/20/04
Volatile Organics						
Benzene		ND(0.0050)	0.0065	0.0066	ND(0.0050)	ND(0.0050)
Chlorobenzene		0.0083	ND(0.0050)	0.080	ND(0.0050)	ND(0.0050)
Ethylbenzene		ND(0.0050)	0.0098	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene		ND(0.0050)	0.0031 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Xylenes (total)		ND(0.010)	0.0077 J	ND(0.010)	ND(0.010)	ND(0.010)
PCBs-Unfiltered						
Aroclor-1254		0.000052 J	NA	ND(0.000065)	NA	NA
Aroclor-1260		ND(0.000065)	NA	ND(0.000065)	NA	NA
Total PCBs		0.000052 J	NA	ND(0.000065)	NA	NA
PCBs-Filtered						
Aroclor-1254		ND(0.000065)	NA	ND(0.000065)	NA	NA
Total PCBs		ND(0.000065)	NA	ND(0.000065)	NA	NA
Semivolatile Organics						
1,2-Dichlorobenzene		ND(0.010)	ND(0.0050)	0.011	ND(0.0050)	ND(0.0050)
1,4-Dichlorobenzene		ND(0.010)	ND(0.0050)	0.018	ND(0.0050)	ND(0.0050)
2-Chlorophenol		ND(0.010)	NA	ND(0.010)	NA	NA
Acenaphthene		ND(0.010)	NA	0.020	NA	NA
Anthracene		ND(0.010)	NA	0.0029 J	NA	NA
bis(2-Ethylhexyl)phthalate		ND(0.0060)	NA	ND(0.0060)	NA	NA
Dibenzofuran		ND(0.010)	NA	0.010	NA	NA
Fluorene		ND(0.010)	NA	0.011	NA	NA
Naphthalene		ND(0.010)	0.0034 J	0.019	ND(0.0050)	ND(0.0050)
Phenanthrene		ND(0.010)	NA	0.0081 J	NA	NA
Phenol		ND(0.010)	NA	ND(0.010)	NA	NA
Organochlorine Pesticides						
4,4'-DDD		0.000014 J	NA	ND(0.00011)	NA	NA
Organophosphate Pesticides						
None Detected		--	NA	--	NA	NA
Herbicides						
None Detected		--	NA	--	NA	NA
Furans						
2,3,7,8-TCDF		ND(0.0000000016)	NA	ND(0.0000000014)	NA	NA
TCDFs (total)		ND(0.0000000016)	NA	ND(0.0000000014)	NA	NA
1,2,3,7,8-PeCDF		ND(0.0000000025)	NA	ND(0.0000000044) X	NA	NA
2,3,4,7,8-PeCDF		0.0000000063 J	NA	0.0000000031 J	NA	NA
PeCDFs (total)		0.0000000031	NA	0.0000000039	NA	NA
1,2,3,4,7,8-HxCDF		ND(0.0000000025)	NA	ND(0.0000000040) X	NA	NA
1,2,3,6,7,8-HxCDF		ND(0.0000000025)	NA	0.0000000039 J	NA	NA
1,2,3,7,8,9-HxCDF		ND(0.0000000025)	NA	0.0000000037 J	NA	NA
2,3,4,6,7,8-HxCDF		ND(0.0000000025)	NA	0.0000000026 J	NA	NA
HxCDFs (total)		ND(0.0000000025)	NA	0.000000010	NA	NA
1,2,3,4,6,7,8-HpCDF		ND(0.0000000025)	NA	0.0000000039 J	NA	NA
1,2,3,4,7,8,9-HpCDF		ND(0.0000000025)	NA	0.0000000026 J	NA	NA
HpCDFs (total)		ND(0.0000000025)	NA	0.0000000066	NA	NA
OCDF		ND(0.0000000050)	NA	0.0000000050 J	NA	NA

**TABLE 23-3
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	114B 5/6-05/14/04	GMA3-2 04/15/04	GMA3-3 04/12/04	GMA3-8 04/21/04	GMA3-9 04/20/04
Dioxins						
2,3,7,8-TCDD		ND(0.0000000014)	NA	ND(0.0000000022) X	NA	NA
TCDDs (total)		ND(0.0000000026)	NA	ND(0.0000000022)	NA	NA
1,2,3,7,8-PeCDD		ND(0.0000000025)	NA	ND(0.0000000042) X	NA	NA
PeCDDs (total)		ND(0.0000000034)	NA	ND(0.0000000028)	NA	NA
1,2,3,4,7,8-HxCDD		ND(0.0000000026)	NA	ND(0.0000000031) X	NA	NA
1,2,3,6,7,8-HxCDD		ND(0.0000000025)	NA	0.0000000032 J	NA	NA
1,2,3,7,8,9-HxCDD		ND(0.0000000025)	NA	0.0000000039 J	NA	NA
HxCDDs (total)		ND(0.0000000034)	NA	0.0000000071	NA	NA
1,2,3,4,6,7,8-HpCDD		0.0000000015 J	NA	0.0000000033 J	NA	NA
HpCDDs (total)		ND(0.0000000025)	NA	0.0000000033	NA	NA
OCDD		0.0000000050 J	NA	0.000000011 J	NA	NA
Total TEQs (WHO TEFs)		0.0000000033	NA	0.0000000071	NA	NA
Inorganics-Unfiltered						
Antimony		NA	NA	ND(0.0600)	NA	NA
Arsenic		ND(0.0100)	NA	0.0310	NA	NA
Barium		0.0380 B	NA	0.270	NA	NA
Chromium		ND(0.0100)	NA	0.00120 B	NA	NA
Copper		ND(0.0250)	NA	ND(0.0250)	NA	NA
Cyanide		0.00460 B	NA	0.00270 B	NA	NA
Lead		ND(0.00300)	NA	ND(0.00300)	NA	NA
Mercury		0.000140 B	NA	ND(0.000200)	NA	NA
Nickel		0.00190 B	NA	ND(0.0400)	NA	NA
Tin		ND(0.0300)	NA	0.00510 B	NA	NA
Vanadium		ND(0.0500)	NA	ND(0.0500)	NA	NA
Zinc		0.00800 B	NA	0.00320 B	NA	NA
Inorganics-Filtered						
Antimony		ND(0.0600)	NA	ND(0.0600)	NA	NA
Arsenic		ND(0.0100)	NA	0.00480 B	NA	NA
Barium		0.0350 B	NA	0.220	NA	NA
Chromium		ND(0.0100)	NA	ND(0.0100)	NA	NA
Copper		ND(0.0250)	NA	0.00180 B	NA	NA
Cyanide		ND(0.0100)	NA	0.00210 B	NA	NA
Lead		ND(0.00300)	NA	ND(0.00300)	NA	NA
Mercury		0.000100 B	NA	ND(0.000200)	NA	NA
Nickel		ND(0.0400)	NA	ND(0.0400)	NA	NA
Tin		ND(0.0300)	NA	ND(0.0300)	NA	NA
Vanadium		ND(0.0500)	NA	0.00220 B	NA	NA
Zinc		0.0130 B	NA	0.00800 B	NA	NA
Natural Attenuation Parameters						
Alkalinity (Total)		230	NA	NA	NA	NA
Chloride		67	NA	NA	NA	NA
Dissolved Iron		ND(0.0500)	NA	NA	NA	NA
Dissolved Organic Carbon		4.00	NA	NA	NA	NA
Ethane		ND(0.0040)	NA	NA	NA	NA
Ethene		0.0035	NA	NA	NA	NA
Methane		0.140	NA	NA	NA	NA
Nitrate Nitrogen		0.00900 B	NA	NA	NA	NA
Nitrite Nitrogen		ND(0.0500)	NA	NA	NA	NA
Sulfate (turbidimetric)		10.0	NA	NA	NA	NA

**TABLE 23-3
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs, Appendix IX+3 constituents and Natural Attenuation Parameters.
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
5. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
6. Field duplicate sample results are presented in brackets.
7. - Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles, pesticides, herbicides, dioxin/furans)

- B - Analyte was also detected in the associated method blank.
- J - Indicates an estimated value less than the practical quantitation limit (PQL).
- X - Estimated maximum possible concentration.
- Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics and Natural Attenuation Parameters

- B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.
- E - Analyte exceeded calibration range.

TABLE 23-4
MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL
GROUNDWATER MANAGEMENT AREA 3
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	May 2004 Removal (liters)
51-17	5/28/2004	10.14	9.33	0.81	0.500	0.500
51-21	5/5/2004	14.54	P	< 0.01	5.685	17.055
	5/12/2004	14.82	P	< 0.01	3.411	
	5/19/2004	14.79	P	< 0.01	4.548	
	5/25/2004	14.83	P	< 0.01	3.411	
59-01	5/27/2004	10.66	---	0.00	0.555	0.555
59-03R	5/27/2004	11.80	10.72	1.08	0.666	0.666
GMA3-10	5/7/2004	11.18	10.30	0.88	0.543	2.101
	5/14/2004	11.26	10.41	0.85	0.524	0.524
	5/21/2004	11.38	10.51	0.87	0.540	0.540
	5/28/2004	11.30	10.50	0.80	0.494	0.494
GMA3-12	5/27/2004	11.27	10.91	0.36	0.222	0.222
UB-PZ-3	5/28/2004	11.80	11.32	0.48	0.167	0.167

Total Automated LNAPL Removal at well 51-21 for May 2004: 17.055 liters
4.50 Gallons

Total Manual LNAPL Removal at all other wells for May 2004: 5.769 liters
1.52 Gallons

Total LNAPL Removed for May 2004: 22.824 liters
6.02 Gallons

Note:

1. ft BMP - feet Below Measuring Point.

TABLE 23-5
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 3
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
054B	987.96	5/14/2004	0.64	---	0.00	---	12.85	0.00	987.32
078B-R	988.83	5/3/2004	1.16	---	0.00	---	11.87	0.00	987.67
089A	985.76	5/12/2004	2.20	---	0.00	---	47.48	0.00	983.56
114B	984.98	5/11/2004	5.93	---	0.00	---	10.98	0.00	979.05
114B	984.98	5/12/2004	6.09	---	0.00	---	10.98	0.00	978.89
114B	984.98	5/13/2004	6.19	---	0.00	---	10.98	0.00	978.79
114B	984.98	5/14/2004	6.22	---	0.00	---	10.98	0.00	978.76
51-05	996.44	5/28/2004	2.00	---	0.00	---	12.45	0.00	994.44
51-06	997.36	5/28/2004	10.20	---	0.00	---	14.60	0.00	987.16
51-07	997.08	5/28/2004	9.01	---	0.00	---	11.22	0.00	988.07
51-08	997.08	5/7/2004	10.15	10.14	0.01	---	14.63	0.00	986.94
51-08	997.08	5/14/2004	10.30	10.29	0.01	---	14.63	0.00	986.79
51-08	997.08	5/21/2004	10.42	10.36	0.06	---	14.63	0.00	986.72
51-08	997.08	5/27/2004	10.37	10.29	0.08	---	14.63	0.00	986.78
51-09	997.70	5/27/2004	9.64	---	0.00	---	11.93	0.00	988.06
51-14	996.77	5/28/2004	10.01	---	0.00	---	15.00	0.00	986.76
51-15	996.43	5/28/2004	9.53	---	0.00	---	14.46	0.00	986.90
51-16R	996.39	5/28/2004	9.52	---	0.00	---	14.52	0.00	986.87
51-17	996.43	5/28/2004	10.14	9.33	0.81	---	14.50	0.00	987.04
51-18	997.12	5/28/2004	10.21	---	0.00	---	12.55	0.00	986.91
51-19	996.43	5/28/2004	10.46	9.56	0.90	---	14.00	0.00	986.81
51-21	1,001.49	5/5/2004	14.54	P	< 0.01	---	NM	NA	986.95
51-21	1,001.49	5/12/2004	14.82	P	< 0.01	---	NM	NA	986.67
51-21	1,001.49	5/19/2004	14.79	P	< 0.01	---	NM	NA	986.70
51-21	1,001.49	5/25/2004	14.83	P	< 0.01	---	NM	NA	986.66
59-01	997.52	5/27/2004	10.66	---	0.00	---	11.36	0.00	986.86
59-03R	997.64	5/27/2004	11.80	10.72	1.08	---	17.04	0.00	986.84
59-07	997.96	5/27/2004	11.02	---	0.00	---	23.54	0.00	986.94
GMA3-10	997.78	5/7/2004	11.18	10.30	0.88	---	18.02	0.00	987.42
GMA3-10	997.78	5/14/2004	11.26	10.41	0.85	---	18.02	0.00	987.31
GMA3-10	997.78	5/21/2004	11.38	10.51	0.87	---	18.02	0.00	987.21
GMA3-10	997.78	5/28/2004	11.30	10.50	0.80	---	18.00	0.00	987.22
GMA3-11	997.78	5/27/2004	10.04	---	0.00	---	18.53	0.00	987.74
GMA3-12	998.04	5/27/2004	11.27	10.91	0.36	---	21.30	0.00	987.10
UB-MW-10	995.99	5/28/2004	Water to the top of the casing	---	---	---	---	---	NA
UB-PZ-3	998.15	5/28/2004	11.80	11.32	0.48	---	13.44	0.00	986.80

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. NM indicates information not measured.
5. P indicates that LNAPL or DNAPL is present at a thickness that is < 0.01 feet. The corresponding thickness is recorded
6. Certain GMA 3 wells were developed during February 2002. Total depth measurements taken after development are provided for comparison to pre-development data.
7. For the Unkamet Brook Staff Gauge, a reading of 0.00 feet corresponds to the listed measuring point elevation. The "Depth to Water" values shown above refer to feet above the datum, rather than feet below the measuring point.

**ITEM 24
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 3 (GMA 4)
(GEC340)
MAY 2004**

* All activities described below for this item were conducted pursuant to the Consent Decree.

a. Activities Undertaken/Completed

In connection with as the spring 2004 interim groundwater quality sampling event, sampled well GMA4-5 as part of a separate investigation under the off-site Administrative Consent Order (ACO) with MDEP.

b. Sampling/Test Results Received

- See attached tables.
- Preliminary analytical results received in May 2004 from the spring 2004 GMA 4 interim groundwater quality monitoring activities are shown in Table 24-2. These preliminary results have been compared to the applicable Method 1 GW-2 and GW-3 groundwater standards and UCLs for groundwater set forth in the MCP. These comparisons indicate the following:
 - There were no exceedances of UCLs in any of the groundwater sample results received in May 2004.
 - The MCP GW-2 standard for vinyl chloride (0.002 ppm) was exceeded in the sample from monitoring well H78B-16. Similar exceedances were previously observed in this well.
 - No other exceedances of MCP GW-2 standards were observed in any of the GW-2 groundwater sample results received in May 2004.
 - The MCP GW-3 standard for PCBs (0.003 ppm) was exceeded in the filtered sample from monitoring well OPCA-MW-1.
 - No other exceedances of MCP GW-3 standards were observed in any of the groundwater sample results received in May 2004.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

Conduct summer 2004 groundwater elevation monitoring activities.

ITEM 24
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 3 (GMA 4)
(GEC340)
MAY 2004

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA's conditional approval of the *Groundwater Area 4 Baseline Groundwater Quality Interim Report for Fall 2003* (May 19, 2004).

**TABLE 24-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Semi-Annual Groundwater Sampling	60B-R	4/27/04	Water	CT&E	PCB, PCB(f), VOC, SVOC, Metals, Metals(f), CN, CN(f), Sulfide, PCDD/PCDF	5/17/04
Semi-Annual Groundwater Sampling	78-1	4/26/04	Water	CT&E	PCB(f), VOC, SVOC, Metals(f), CN(f), Sulfide, PCDD/PCDF	5/13/04
Semi-Annual Groundwater Sampling	78-6	4/27/04	Water	CT&E	PCB(f), VOC, SVOC, Metals(f), CN(f), Sulfide, PCDD/PCDF	5/13/04
Semi-Annual Groundwater Sampling	DUP-6 (H78B-13R)	4/27/04	Water	CT&E	PCB, PCB(f), VOC, SVOC, Metals, Metals(f), CN, CN(f), Sulfide, PCDD/PCDF	5/17/04
Semi-Annual Groundwater Sampling	H78B-13R	4/27/04	Water	CT&E	PCB, PCB(f), VOC, SVOC, Metals, Metals(f), CN, CN(f), Sulfide, PCDD/PCDF	5/17/04
Semi-Annual Groundwater Sampling	H78B-15	4/29/04	Water	CT&E	PCB(f), VOC, SVOC, Metals(f), CN(f), Sulfide, PCDD/PCDF	5/17/04
Semi-Annual Groundwater Sampling	H78B-16	4/29/04	Water	CT&E	VOC	5/17/04
Semi-Annual Groundwater Sampling	H78B-17R	4/29/04	Water	CT&E	VOC	5/13/04
Semi-Annual Groundwater Sampling	OPCA-MW-1	4/28/04	Water	CT&E	PCB(f), VOC, SVOC, Metals(f), CN(f), Sulfide, PCDD/PCDF	5/17/04
Semi-Annual Groundwater Sampling	OPCA-MW-2	4/27/04	Water	CT&E	PCB(f), VOC, SVOC, Metals(f), CN(f), Sulfide, PCDD/PCDF	5/17/04
Semi-Annual Groundwater Sampling	OPCA-MW-3	4/29/04	Water	CT&E	PCB(f), VOC, SVOC, Metals(f), CN(f), Sulfide, PCDD/PCDF	5/13/04
Semi-Annual Groundwater Sampling	OPCA-MW-4	4/28/04	Water	CT&E	PCB(f), VOC, SVOC, Metals(f), CN(f), Sulfide, PCDD/PCDF	5/13/04
Semi-Annual Groundwater Sampling	OPCA-MW-5R	4/28/04	Water	CT&E	PCB(f), VOC, SVOC, Metals(f), CN(f), Sulfide, PCDD/PCDF	5/17/04
Semi-Annual Groundwater Sampling	OPCA-MW-6	4/28/04	Water	CT&E	PCB(f), VOC, SVOC, Metals(f), CN(f), Sulfide, PCDD/PCDF	5/17/04
Semi-Annual Groundwater Sampling	OPCA-MW-7	4/29/04	Water	CT&E	PCB(f), VOC, SVOC, Metals(f), CN(f), Sulfide, PCDD/PCDF	5/13/04
Semi-Annual Groundwater Sampling	OPCA-MW-8	4/28/04	Water	CT&E	PCB(f), VOC, SVOC, Metals(f), CN(f), Sulfide, PCDD/PCDF	5/13/04
Semi-Annual Groundwater Sampling	UB-MW-5	4/27/04	Water	CT&E	PCB, PCB(f), VOC, SVOC, Metals, Metals(f), CN, CN(f), Sulfide, PCDD/PCDF	5/13/04

Notes:

1. Field duplicate sample locations are presented in parenthesis.
2. (f) - Indicates filtered analysis requested.

**TABLE 24-2
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	60B-R 04/27/04	78-1 04/26/04	78-6 04/27/04	GMA4-5 05/03/04
Volatile Organics					
Acetone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Chlorobenzene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene		ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Toluene		ND(0.0050)	ND(0.0050)	0.0020 J	ND(0.0050)
Trichloroethene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride		ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Xylenes (total)		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
PCBs-Unfiltered					
Aroclor-1254		0.000090	NA	NA	0.000065
Aroclor-1260		0.000028 J	NA	NA	ND(0.000065)
Total PCBs		0.000118	NA	NA	0.000065
PCBs-Filtered					
Aroclor-1254		ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000027 J
Total PCBs		ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000027 J
Semivolatile Organics					
2,4-Dinitrophenol		ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
3&4-Methylphenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate		ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0060)
Naphthalene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Phenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Extractable Petroleum Hydrocarbons					
None Detected		NA	NA	NA	--
Furans					
TCDFs (total)		ND(0.000000013)	ND(0.000000012)	ND(0.0000000098)	NA
1,2,3,7,8-PeCDF		ND(0.000000025)	ND(0.000000015) X	0.0000000087 J	NA
2,3,4,7,8-PeCDF		ND(0.000000025)	0.000000012 J	0.0000000074 J	NA
PeCDFs (total)		ND(0.000000025)	0.000000012	0.000000016	NA
1,2,3,4,7,8-HxCDF		ND(0.000000025)	ND(0.000000013) X	ND(0.000000024)	NA
1,2,3,6,7,8-HxCDF		ND(0.000000025)	ND(0.000000013) X	ND(0.000000024)	NA
1,2,3,7,8,9-HxCDF		ND(0.000000025)	ND(0.000000029)	ND(0.000000026)	NA
2,3,4,6,7,8-HxCDF		ND(0.000000025)	ND(0.000000067) X	ND(0.000000024)	NA
HxCDFs (total)		ND(0.000000025)	ND(0.000000025)	ND(0.000000024)	NA
1,2,3,4,6,7,8-HpCDF		ND(0.000000025)	0.000000016 J	0.000000010 J	NA
1,2,3,4,7,8,9-HpCDF		ND(0.000000025)	ND(0.000000025)	ND(0.000000025)	NA
HpCDFs (total)		ND(0.000000025)	0.000000016	0.000000010	NA
OCDF		ND(0.000000050)	ND(0.000000049)	ND(0.000000057)	NA
Dioxins					
2,3,7,8-TCDD		ND(0.000000019)	ND(0.000000015)	ND(0.000000012)	NA
TCDDs (total)		ND(0.000000023)	ND(0.000000023)	ND(0.000000024)	NA
1,2,3,7,8-PeCDD		ND(0.000000025)	ND(0.000000014) X	ND(0.000000024)	NA
PeCDDs (total)		ND(0.000000026)	ND(0.000000032)	ND(0.000000033)	NA
1,2,3,4,7,8-HxCDD		ND(0.000000033)	ND(0.000000038)	ND(0.000000045)	NA
1,2,3,6,7,8-HxCDD		ND(0.000000029)	ND(0.000000034)	ND(0.000000040)	NA
1,2,3,7,8,9-HxCDD		ND(0.000000032)	0.000000016 J	ND(0.000000043)	NA
HxCDDs (total)		ND(0.000000032)	0.000000016	ND(0.000000042)	NA
1,2,3,4,6,7,8-HpCDD		ND(0.000000033)	ND(0.000000027)	ND(0.000000036)	NA
HpCDDs (total)		ND(0.000000033)	ND(0.000000027)	ND(0.000000036)	NA
OCDD		ND(0.000000015)	ND(0.000000049) X	0.000000052 J	NA
Total TEQs (WHO TEFs)		0.000000040	0.000000030	0.000000034	NA

**TABLE 24-2
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	60B-R 04/27/04	78-1 04/26/04	78-6 04/27/04	GMA4-5 05/03/04
Inorganics-Unfiltered					
Antimony		ND(0.0600)	NA	NA	NA
Arsenic		ND(0.0100)	NA	NA	NA
Barium		0.00320 B	NA	NA	NA
Beryllium		ND(0.00100)	NA	NA	NA
Cadmium		ND(0.00500)	NA	NA	NA
Chromium		ND(0.0100)	NA	NA	NA
Cobalt		ND(0.0500)	NA	NA	NA
Copper		ND(0.0250)	NA	NA	NA
Cyanide		0.00360 B	NA	NA	NA
Lead		ND(0.00300)	NA	NA	NA
Nickel		ND(0.0400)	NA	NA	NA
Silver		ND(0.00500)	NA	NA	NA
Vanadium		ND(0.0500)	NA	NA	NA
Zinc		0.00190 B	NA	NA	NA
Inorganics-Filtered					
Antimony		0.0100 B	ND(0.0600)	0.00820 B	NA
Arsenic		ND(0.0100)	ND(0.0100)	ND(0.0100)	NA
Barium		0.0190 B	0.0190 B	0.0390 B	NA
Beryllium		ND(0.00100)	ND(0.00100)	0.000310 B	NA
Cadmium		ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Chromium		ND(0.0100)	ND(0.0100)	ND(0.0100)	NA
Cobalt		ND(0.0500)	ND(0.0500)	ND(0.0500)	NA
Copper		ND(0.0250)	ND(0.0250)	ND(0.0250)	NA
Cyanide		0.00160 B	ND(0.0100)	0.00630 B	NA
Lead		ND(0.00300)	ND(0.00300)	ND(0.00300)	NA
Nickel		0.00150 B	0.00280 B	ND(0.0400)	NA
Silver		ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Vanadium		ND(0.0500)	ND(0.0500)	ND(0.0500)	NA
Zinc		ND(0.0200)	0.00400 B	0.00250 B	NA

**TABLE 24-2
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	H78B-13R 04/27/04	H78B-15 04/29/04	H78B-16 04/29/04
Volatile Organics				
Acetone		0.013 [0.019]	ND(0.010)	ND(0.010)
Chlorobenzene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.049
Chloroform		ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Tetrachloroethene		ND(0.0020) [ND(0.0020)]	ND(0.0020)	0.0031
Toluene		0.0012 J [0.0017 J]	ND(0.0050)	ND(0.0050)
Trichloroethene		ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.18
Vinyl Chloride		ND(0.0020) [ND(0.0020)]	ND(0.0020)	0.0098
Xylenes (total)		0.013 [0.012]	ND(0.010)	ND(0.010)
PCBs-Unfiltered				
Aroclor-1254		0.000055 J [0.000090]	NA	NA
Aroclor-1260		ND(0.000065) [ND(0.000065)]	NA	NA
Total PCBs		0.000055 J [0.000090]	NA	NA
PCBs-Filtered				
Aroclor-1254		ND(0.000065) [ND(0.000065)]	ND(0.000065)	NA
Total PCBs		ND(0.000065) [ND(0.000065)]	ND(0.000065)	NA
Semivolatile Organics				
2,4-Dinitrophenol		ND(0.050) [0.022 J]	ND(0.050)	NA
3&4-Methylphenol		0.057 [0.054]	ND(0.010)	NA
Acenaphthene		ND(0.010) [0.0067 J]	ND(0.010)	NA
bis(2-Ethylhexyl)phthalate		ND(0.0060) [ND(0.0060)]	ND(0.0060)	NA
Naphthalene		0.0049 J [0.0046 J]	ND(0.010)	NA
Phenol		0.21 [0.24]	ND(0.010)	NA
Extractable Petroleum Hydrocarbons				
None Detected		NA	NA	NA
Furans				
TCDFs (total)		0.000000016 [0.000000025]	ND(0.0000000041)	NA
1,2,3,7,8-PeCDF		0.000000017 J [ND(0.000000028)]	ND(0.0000000051)	NA
2,3,4,7,8-PeCDF		ND(0.000000027) [ND(0.000000028)]	ND(0.0000000052)	NA
PeCDFs (total)		0.000000017 [ND(0.000000028)]	ND(0.0000000052)	NA
1,2,3,4,7,8-HxCDF		0.000000014 J [ND(0.000000028)]	ND(0.0000000021)	NA
1,2,3,6,7,8-HxCDF		0.000000018 J [ND(0.000000028)]	ND(0.0000000020)	NA
1,2,3,7,8,9-HxCDF		ND(0.000000031) [ND(0.000000028)]	ND(0.0000000030)	NA
2,3,4,6,7,8-HxCDF		ND(0.000000027) [ND(0.000000028)]	ND(0.0000000022)	NA
HxCDFs (total)		0.000000032 [ND(0.000000028)]	ND(0.0000000030)	NA
1,2,3,4,6,7,8-HpCDF		ND(0.000000027) [ND(0.000000031)]	ND(0.0000000026)	NA
1,2,3,4,7,8,9-HpCDF		ND(0.000000029) [ND(0.000000040)]	ND(0.0000000034)	NA
HpCDFs (total)		ND(0.000000027) [ND(0.000000035)]	ND(0.0000000034)	NA
OCDF		ND(0.000000010) [ND(0.000000081)]	ND(0.0000000094)	NA
Dioxins				
2,3,7,8-TCDD		ND(0.000000019) [ND(0.000000026)]	ND(0.0000000047)	NA
TCDDs (total)		ND(0.000000023) [ND(0.000000026)]	ND(0.0000000047)	NA
1,2,3,7,8-PeCDD		ND(0.000000027) [ND(0.000000028)]	ND(0.0000000099)	NA
PeCDDs (total)		ND(0.000000037) [ND(0.000000033)]	ND(0.0000000099)	NA
1,2,3,4,7,8-HxCDD		ND(0.000000046) [ND(0.000000043)]	ND(0.0000000054)	NA
1,2,3,6,7,8-HxCDD		ND(0.000000040) [ND(0.000000038)]	ND(0.0000000050)	NA
1,2,3,7,8,9-HxCDD		ND(0.000000044) [ND(0.000000041)]	ND(0.0000000054)	NA
HxCDDs (total)		ND(0.000000043) [ND(0.000000041)]	ND(0.0000000054)	NA
1,2,3,4,6,7,8-HpCDD		ND(0.000000045) [ND(0.000000044)]	ND(0.0000000049)	NA
HpCDDs (total)		ND(0.000000045) [ND(0.000000044)]	ND(0.0000000049)	NA
OCDD		0.000000079 J [0.000000081 J]	ND(0.0000000059)	NA
Total TEQs (WHO TEFs)		0.000000045 [0.000000048]	0.000000010	NA

**TABLE 24-2
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	H78B-13R 04/27/04	H78B-15 04/29/04	H78B-16 04/29/04
Inorganics-Unfiltered				
Antimony		ND(0.0600) [ND(0.0600)]	NA	NA
Arsenic		0.00740 B [ND(0.0100)]	NA	NA
Barium		0.0160 B [0.0160 B]	NA	NA
Beryllium		ND(0.00100) [ND(0.00100)]	NA	NA
Cadmium		ND(0.00500) [ND(0.00500)]	NA	NA
Chromium		ND(0.0100) [ND(0.0100)]	NA	NA
Cobalt		ND(0.0500) [ND(0.0500)]	NA	NA
Copper		ND(0.0250) [0.00170 B]	NA	NA
Cyanide		0.00280 B [0.00210 B]	NA	NA
Lead		ND(0.00300) [ND(0.00300)]	NA	NA
Nickel		0.0260 B [0.0250 B]	NA	NA
Silver		ND(0.00500) [ND(0.00500)]	NA	NA
Vanadium		0.00190 B [ND(0.0500)]	NA	NA
Zinc		0.00680 B [0.00760 B]	NA	NA
Inorganics-Filtered				
Antimony		ND(0.0600) [ND(0.0600)]	ND(0.0600)	NA
Arsenic		ND(0.0100) [ND(0.0100)]	ND(0.0100)	NA
Barium		0.00900 B [0.00940 B]	0.0270 B	NA
Beryllium		0.000330 B [0.000360 B]	ND(0.00100)	NA
Cadmium		ND(0.00500) [ND(0.00500)]	ND(0.00500)	NA
Chromium		ND(0.0100) [ND(0.0100)]	ND(0.0100)	NA
Cobalt		ND(0.0500) [ND(0.0500)]	ND(0.0500)	NA
Copper		ND(0.0250) [ND(0.0250)]	ND(0.0250)	NA
Cyanide		0.00140 B [ND(0.0100)]	0.00210 B	NA
Lead		ND(0.00300) [ND(0.00300)]	ND(0.00300)	NA
Nickel		0.0280 B [0.0240 B]	ND(0.0400)	NA
Silver		ND(0.00500) [ND(0.00500)]	ND(0.00500)	NA
Vanadium		ND(0.0500) [ND(0.0500)]	ND(0.0500)	NA
Zinc		0.00260 B [0.00260 B]	0.00360 B	NA

**TABLE 24-2
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	H78B-17R 04/29/04	OPCA-MW-1 04/28/04	OPCA-MW-2 04/27/04	OPCA-MW-3 04/29/04
Volatile Organics					
Acetone		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Chlorobenzene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform		0.088	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene		0.0030	ND(0.0020)	ND(0.0020)	ND(0.0020)
Toluene		ND(0.0050)	ND(0.0050)	0.0013 J	ND(0.0050)
Trichloroethene		0.14	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride		ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Xylenes (total)		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
PCBs-Unfiltered					
Aroclor-1254		NA	NA	NA	NA
Aroclor-1260		NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA
PCBs-Filtered					
Aroclor-1254		NA	0.00037	0.000043 J	ND(0.000065)
Total PCBs		NA	0.00037	0.000043 J	ND(0.000065)
Semivolatile Organics					
2,4-Dinitrophenol		NA	ND(0.050)	ND(0.050)	ND(0.050)
3&4-Methylphenol		NA	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene		NA	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate		NA	ND(0.0060)	ND(0.0060)	0.0095
Naphthalene		NA	ND(0.010)	ND(0.010)	ND(0.010)
Phenol		NA	ND(0.010)	ND(0.010)	ND(0.010)
Extractable Petroleum Hydrocarbons					
None Detected		NA	NA	NA	NA
Furans					
TCDFs (total)		NA	ND(0.0000000016)	ND(0.0000000016)	ND(0.0000000032)
1,2,3,7,8-PeCDF		NA	0.000000021 J	ND(0.000000024)	ND(0.000000039)
2,3,4,7,8-PeCDF		NA	0.000000024 J	ND(0.000000024)	ND(0.000000039)
PeCDFs (total)		NA	0.000000011	ND(0.000000024)	ND(0.000000039)
1,2,3,4,7,8-HxCDF		NA	0.000000043 J	ND(0.000000024)	ND(0.000000024)
1,2,3,6,7,8-HxCDF		NA	0.000000033 J	ND(0.000000024)	ND(0.000000023)
1,2,3,7,8,9-HxCDF		NA	0.000000016 J	ND(0.000000027)	ND(0.000000025)
2,3,4,6,7,8-HxCDF		NA	ND(0.000000017) X	ND(0.000000024)	ND(0.000000022)
HxCDFs (total)		NA	0.000000012	ND(0.000000024)	ND(0.000000025)
1,2,3,4,6,7,8-HpCDF		NA	0.000000031 J	ND(0.000000025)	ND(0.000000026)
1,2,3,4,7,8,9-HpCDF		NA	ND(0.000000022) X	ND(0.000000032)	ND(0.000000032)
HpCDFs (total)		NA	0.000000031	ND(0.000000028)	ND(0.000000032)
OCDF		NA	ND(0.000000044) X	ND(0.000000095)	ND(0.000000094)
Dioxins					
2,3,7,8-TCDD		NA	ND(0.000000020)	ND(0.000000023)	ND(0.000000026)
TCDDs (total)		NA	ND(0.000000025)	ND(0.000000023)	ND(0.000000026)
1,2,3,7,8-PeCDD		NA	0.000000023 J	ND(0.000000024)	ND(0.000000011)
PeCDDs (total)		NA	0.000000023	ND(0.000000028)	ND(0.000000011)
1,2,3,4,7,8-HxCDD		NA	ND(0.000000039)	ND(0.000000054)	ND(0.000000070)
1,2,3,6,7,8-HxCDD		NA	0.000000019 J	ND(0.000000048)	ND(0.000000073)
1,2,3,7,8,9-HxCDD		NA	0.000000023 J	ND(0.000000052)	ND(0.000000079)
HxCDDs (total)		NA	0.000000042	ND(0.000000051)	ND(0.000000079)
1,2,3,4,6,7,8-HpCDD		NA	0.000000025 J	ND(0.000000043)	ND(0.000000069)
HpCDDs (total)		NA	0.000000025	ND(0.000000043)	ND(0.000000069)
OCDD		NA	0.000000094 J	ND(0.00000016)	ND(0.000000077)
Total TEQs (WHO TEFs)		NA	0.000000064	0.000000044	0.000000097

**TABLE 24-2
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	H78B-17R 04/29/04	OPCA-MW-1 04/28/04	OPCA-MW-2 04/27/04	OPCA-MW-3 04/29/04
Inorganics-Unfiltered					
Antimony		NA	NA	NA	NA
Arsenic		NA	NA	NA	NA
Barium		NA	NA	NA	NA
Beryllium		NA	NA	NA	NA
Cadmium		NA	NA	NA	NA
Chromium		NA	NA	NA	NA
Cobalt		NA	NA	NA	NA
Copper		NA	NA	NA	NA
Cyanide		NA	NA	NA	NA
Lead		NA	NA	NA	NA
Nickel		NA	NA	NA	NA
Silver		NA	NA	NA	NA
Vanadium		NA	NA	NA	NA
Zinc		NA	NA	NA	NA
Inorganics-Filtered					
Antimony		NA	ND(0.0600)	0.00710 B	0.0100 B
Arsenic		NA	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium		NA	0.0190 B	0.0190 B	0.0590 B
Beryllium		NA	0.000320 B	ND(0.00100)	0.000300 B
Cadmium		NA	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium		NA	ND(0.0100)	ND(0.0100)	0.0750
Cobalt		NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper		NA	ND(0.0250)	ND(0.0250)	0.0190 B
Cyanide		NA	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead		NA	ND(0.00300)	ND(0.00300)	0.00220 B
Nickel		NA	ND(0.0400)	ND(0.0400)	0.00600 B
Silver		NA	ND(0.00500)	ND(0.00500)	ND(0.00500)
Vanadium		NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc		NA	ND(0.0200)	0.00210 B	0.00790 B

**TABLE 24-2
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	OPCA-MW-4 04/28/04	OPCA-MW-5R 04/28/04	OPCA-MW-6 04/28/04
Volatile Organics				
Acetone		ND(0.010)	ND(0.010)	ND(0.010)
Chlorobenzene		ND(0.0050)	0.0011 J	ND(0.0050)
Chloroform		ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene		ND(0.0020)	ND(0.0020)	ND(0.0020)
Toluene		ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene		0.0020 J	ND(0.0050)	ND(0.0050)
Vinyl Chloride		0.0015 J	ND(0.0020)	ND(0.0020)
Xylenes (total)		ND(0.010)	ND(0.010)	ND(0.010)
PCBs-Unfiltered				
Aroclor-1254		NA	NA	NA
Aroclor-1260		NA	NA	NA
Total PCBs		NA	NA	NA
PCBs-Filtered				
Aroclor-1254		ND(0.000065)	0.000037 J	ND(0.000065)
Total PCBs		ND(0.000065)	0.000037 J	ND(0.000065)
Semivolatile Organics				
2,4-Dinitrophenol		ND(0.050)	ND(0.050)	ND(0.050)
3&4-Methylphenol		ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene		ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate		ND(0.0060)	ND(0.0060)	ND(0.0060)
Naphthalene		ND(0.010)	ND(0.010)	ND(0.010)
Phenol		ND(0.010)	ND(0.010)	ND(0.010)
Extractable Petroleum Hydrocarbons				
None Detected		NA	NA	NA
Furans				
TCDFs (total)		0.00000016 I	ND(0.000000016)	ND(0.000000013)
1,2,3,7,8-PeCDF		ND(0.0000000090)	ND(0.0000000024)	0.000000013 J
2,3,4,7,8-PeCDF		ND(0.0000000085)	ND(0.0000000024)	0.0000000098 J
PeCDFs (total)		0.00000015 I	ND(0.0000000024)	0.0000000023
1,2,3,4,7,8-HxCDF		ND(0.000000017) X	ND(0.0000000024)	ND(0.000000010) X
1,2,3,6,7,8-HxCDF		ND(0.0000000060)	ND(0.0000000024)	0.0000000013 J
1,2,3,7,8,9-HxCDF		ND(0.0000000061)	ND(0.0000000024)	ND(0.0000000028)
2,3,4,6,7,8-HxCDF		ND(0.0000000057)	ND(0.0000000024)	ND(0.0000000024)
HxCDFs (total)		0.000000044 I	ND(0.0000000024)	0.0000000013
1,2,3,4,6,7,8-HpCDF		ND(0.0000000039)	ND(0.0000000024)	ND(0.0000000024)
1,2,3,4,7,8,9-HpCDF		ND(0.0000000048)	ND(0.0000000024)	ND(0.0000000024)
HpCDFs (total)		ND(0.0000000048)	ND(0.0000000024)	ND(0.0000000024)
OCDF		ND(0.0000000088)	ND(0.0000000065)	ND(0.0000000049)
Dioxins				
2,3,7,8-TCDD		ND(0.0000000032)	ND(0.0000000022)	ND(0.0000000020)
TCDDs (total)		ND(0.0000000032)	ND(0.0000000022)	ND(0.0000000020)
1,2,3,7,8-PeCDD		ND(0.0000000048)	ND(0.0000000024)	ND(0.0000000024)
PeCDDs (total)		ND(0.0000000048)	ND(0.0000000028)	ND(0.0000000028)
1,2,3,4,7,8-HxCDD		ND(0.0000000011)	ND(0.0000000039)	ND(0.0000000049)
1,2,3,6,7,8-HxCDD		ND(0.0000000011)	ND(0.0000000034)	ND(0.0000000043)
1,2,3,7,8,9-HxCDD		ND(0.0000000012)	ND(0.0000000037)	ND(0.0000000047)
HxCDDs (total)		ND(0.0000000012)	ND(0.0000000037)	ND(0.0000000046)
1,2,3,4,6,7,8-HpCDD		ND(0.0000000010)	ND(0.0000000031)	ND(0.0000000026)
HpCDDs (total)		ND(0.0000000010)	ND(0.0000000031)	ND(0.0000000026)
OCDD		ND(0.0000000085)	ND(0.0000000019)	0.0000000060 J
Total TEQs (WHO TEFs)		0.0000000040	0.0000000041	0.0000000040

**TABLE 24-2
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	OPCA-MW-4 04/28/04	OPCA-MW-5R 04/28/04	OPCA-MW-6 04/28/04
Inorganics-Unfiltered				
Antimony		NA	NA	NA
Arsenic		NA	NA	NA
Barium		NA	NA	NA
Beryllium		NA	NA	NA
Cadmium		NA	NA	NA
Chromium		NA	NA	NA
Cobalt		NA	NA	NA
Copper		NA	NA	NA
Cyanide		NA	NA	NA
Lead		NA	NA	NA
Nickel		NA	NA	NA
Silver		NA	NA	NA
Vanadium		NA	NA	NA
Zinc		NA	NA	NA
Inorganics-Filtered				
Antimony		0.0120 B	0.00730 B	0.00770 B
Arsenic		ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium		0.140 B	0.0640 B	0.0170 B
Beryllium		0.000530 B	0.000330 B	ND(0.00100)
Cadmium		ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium		ND(0.0100)	ND(0.0100)	ND(0.0100)
Cobalt		ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper		ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide		ND(0.0100)	ND(0.0100)	0.00170 B
Lead		ND(0.00300)	ND(0.00300)	ND(0.00300)
Nickel		0.00200 B	0.00370 B	ND(0.0400)
Silver		ND(0.00500)	ND(0.00500)	ND(0.00500)
Vanadium		0.00220 B	ND(0.0500)	ND(0.0500)
Zinc		0.110	ND(0.0200)	ND(0.0200)

**TABLE 24-2
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	OPCA-MW-7 04/29/04	OPCA-MW-8 04/28/04	UB-MW-5 04/27/04
Volatile Organics				
Acetone		ND(0.010)	ND(0.010)	ND(0.010)
Chlorobenzene		ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform		ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene		ND(0.0020)	ND(0.0020)	ND(0.0020)
Toluene		ND(0.0050)	0.0024 J	ND(0.0050)
Trichloroethene		ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride		ND(0.0020)	ND(0.0020)	ND(0.0020)
Xylenes (total)		ND(0.010)	ND(0.010)	ND(0.010)
PCBs-Unfiltered				
Aroclor-1254		NA	NA	0.000095
Aroclor-1260		NA	NA	0.000049 J
Total PCBs		NA	NA	0.000144
PCBs-Filtered				
Aroclor-1254		ND(0.000065)	0.000055 J	ND(0.000065)
Total PCBs		ND(0.000065)	0.000055 J	ND(0.000065)
Semivolatile Organics				
2,4-Dinitrophenol		ND(0.050)	ND(0.050)	ND(0.050)
3&4-Methylphenol		ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene		ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate		ND(0.0060)	ND(0.0060)	ND(0.0060)
Naphthalene		ND(0.010)	ND(0.010)	ND(0.010)
Phenol		ND(0.010)	ND(0.010)	ND(0.010)
Extractable Petroleum Hydrocarbons				
None Detected		NA	NA	NA
Furans				
TCDFs (total)		0.000000011 I	0.000000086 I	ND(0.000000012)
1,2,3,7,8-PeCDF		ND(0.0000000033)	ND(0.0000000068)	0.000000017 J
2,3,4,7,8-PeCDF		ND(0.0000000032)	ND(0.0000000062)	0.000000013 J
PeCDFs (total)		0.000000029 I	0.00000016 I	0.000000050
1,2,3,4,7,8-HxCDF		ND(0.0000000023)	0.000000020 I	0.000000012 J
1,2,3,6,7,8-HxCDF		ND(0.0000000022)	ND(0.0000000048)	0.000000014 J
1,2,3,7,8,9-HxCDF		ND(0.0000000026)	ND(0.0000000058)	ND(0.000000029)
2,3,4,6,7,8-HxCDF		ND(0.0000000021)	ND(0.0000000049)	ND(0.000000024)
HxCDFs (total)		0.000000046 I	0.000000089 I	0.000000026
1,2,3,4,6,7,8-HpCDF		ND(0.0000000017)	ND(0.0000000025)	0.000000012 J
1,2,3,4,7,8,9-HpCDF		ND(0.0000000022)	ND(0.0000000037)	ND(0.000000024)
HpCDFs (total)		ND(0.0000000022)	ND(0.0000000037)	0.000000012
OCDF		ND(0.0000000056)	ND(0.0000000085)	ND(0.000000049)
Dioxins				
2,3,7,8-TCDD		ND(0.0000000017)	ND(0.0000000017)	ND(0.000000015)
TCDDs (total)		ND(0.0000000017)	ND(0.0000000017)	ND(0.000000026)
1,2,3,7,8-PeCDD		ND(0.0000000014)	ND(0.0000000043)	ND(0.000000015) X
PeCDDs (total)		ND(0.0000000014)	ND(0.0000000043)	ND(0.000000031)
1,2,3,4,7,8-HxCDD		ND(0.0000000055)	ND(0.0000000076)	ND(0.000000036)
1,2,3,6,7,8-HxCDD		ND(0.0000000055)	ND(0.0000000075)	ND(0.000000032)
1,2,3,7,8,9-HxCDD		ND(0.0000000059)	ND(0.0000000081)	ND(0.000000035)
HxCDDs (total)		ND(0.0000000059)	ND(0.0000000081)	ND(0.000000034)
1,2,3,4,6,7,8-HpCDD		ND(0.0000000064)	ND(0.0000000070)	0.000000015 J
HpCDDs (total)		ND(0.0000000064)	ND(0.0000000070)	0.000000015
OCDD		ND(0.0000000054)	ND(0.0000000071)	0.000000039 J
Total TEQs (WHO TEFs)		0.000000010	0.000000046	0.000000034

**TABLE 24-2
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	OPCA-MW-7 04/29/04	OPCA-MW-8 04/28/04	UB-MW-5 04/27/04
Inorganics-Unfiltered				
Antimony		NA	NA	0.00720 B
Arsenic		NA	NA	ND(0.0100)
Barium		NA	NA	0.0190 B
Beryllium		NA	NA	ND(0.00100)
Cadmium		NA	NA	0.00140 B
Chromium		NA	NA	0.00360 B
Cobalt		NA	NA	ND(0.0500)
Copper		NA	NA	0.00320 B
Cyanide		NA	NA	0.00200 B
Lead		NA	NA	ND(0.00300)
Nickel		NA	NA	0.00360 B
Silver		NA	NA	0.00150 B
Vanadium		NA	NA	0.00450 B
Zinc		NA	NA	0.0180 B
Inorganics-Filtered				
Antimony		ND(0.0600)	ND(0.0600)	0.0110 B
Arsenic		ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium		0.0140 B	0.0170 B	0.0130 B
Beryllium		ND(0.00100)	0.000380 B	0.00320
Cadmium		ND(0.00500)	ND(0.00500)	0.00310 B
Chromium		0.00140 B	0.00260 B	0.00380 B
Cobalt		ND(0.0500)	ND(0.0500)	0.00160 B
Copper		ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide		ND(0.0100)	0.00280 B	ND(0.0100)
Lead		ND(0.00300)	ND(0.00300)	ND(0.00300)
Nickel		ND(0.0400)	ND(0.0400)	0.00240 B
Silver		ND(0.00500)	ND(0.00500)	0.00260 B
Vanadium		ND(0.0500)	ND(0.0500)	0.00250 B
Zinc		0.00360 B	0.0120 B	0.00820 B

**TABLE 24-2
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs, Appendix IX+3 constituents and EPH.
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
5. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
6. Field duplicate sample results are presented in brackets.
7. - Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles, dioxin/furans, EPH)

- J - Indicates an estimated value less than the practical quantitation limit (PQL).
- I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
- X - Estimated maximum possible concentration.

Inorganics

- B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.

**TABLE 24-3
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 4
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
GMA4-5	993.34	5/3/04	10.68	---	0.00	---	18.30	0.00	982.66
Commercial Street Area (South of GMA 4)									
MW-1	984.34	5/5/04	6.96	---	0.00	---	14.55	0.00	977.38
MW-2	983.12	5/4/04	6.74	---	0.00	---	13.88	0.00	976.38
MW-3	986.73	5/5/04	8.70	---	0.00	---	14.81	0.00	978.03
MW-4	985.73	5/5/04	8.01	---	0.00	---	14.12	0.00	977.72
MW-5	983.53	5/5/04	6.77	---	0.00	---	17.66	0.00	976.76
MW-6	987.65	5/5/04	8.22	---	0.00	---	17.74	0.00	979.43
MW-7	984.73	5/4/04	1.94	---	0.00	---	14.45	0.00	982.79
MW-8	984.94	5/3/04	5.75	---	0.00	---	15.28	0.00	979.19
MW-10	988.87	5/4/04	7.71	---	0.00	---	17.48	0.00	981.16

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.

**ITEM 25
GROUNDWATER MANAGEMENT AREAS
FORMER OXBOWS A & C (GMA 5)
(GEC350)
MAY 2004**

* All activities described below for this item were conducted pursuant to the Consent Decree.

a. Activities Undertaken/Completed

Completed spring 2004 interim groundwater sampling activities. This sampling and analysis constitute completion of the spring 2004 interim groundwater sampling event as approved in EPA's conditional approval letter (May 5, 2004) (see Item 25.f below).

b. Sampling/Test Results Received

- See attached tables.
- Preliminary analytical results received in May 2004 from the spring 2004 GMA 5 interim groundwater quality monitoring activities are shown in Table 25-2. These preliminary results have been compared to the applicable Method 1 GW-2 and GW-3 groundwater standards and UCLs for groundwater set forth in the MCP. None of the groundwater sample results received in May 2004 were at levels above the applicable Method 1 standards or UCLs.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled and Anticipated Activities (next six weeks)

Initiate preparation of Groundwater Management Area 5 Groundwater Quality Interim Report for Spring 2004.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA's conditional approval of *Groundwater Management Area 5 Baseline Groundwater Quality Interim Report for Fall 2003* (May 5, 2004).

TABLE 25-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004

GROUNDWATER MANAGEMENT AREA 5
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Semi-Annual Groundwater Sampling	GMA5-3	5/10/04	Water	CT&E	VOC PCDD/PCDF	5/21/04
Semi-Annual Groundwater Sampling	GMA5-7	5/11/04	Water	CT&E	VOC	5/21/04

**TABLE 25-2
DATA RECEIVED DURING MAY 2004**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 5
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	GMA5-3 05/10/04	GMA5-7 05/11/04
Volatile Organics			
Tetrachloroethene		ND(0.0020)	0.034
Semivolatile Organics			
None Detected		--	--
Furans			
2,3,7,8-TCDF		ND(0.000000012)	NA
TCDFs (total)		ND(0.000000012)	NA
1,2,3,7,8-PeCDF		0.000000017 J	NA
2,3,4,7,8-PeCDF		0.000000014 J	NA
PeCDFs (total)		0.000000031	NA
1,2,3,4,7,8-HxCDF		0.000000013 J	NA
1,2,3,6,7,8-HxCDF		0.000000018 J	NA
1,2,3,7,8,9-HxCDF		ND(0.000000016) X	NA
2,3,4,6,7,8-HxCDF		0.000000013 J	NA
HxCDFs (total)		0.000000044	NA
1,2,3,4,6,7,8-HpCDF		0.000000021 J	NA
1,2,3,4,7,8,9-HpCDF		ND(0.000000025)	NA
HpCDFs (total)		0.000000021	NA
OCDF		ND(0.000000072)	NA
Dioxins			
2,3,7,8-TCDD		ND(0.000000015)	NA
TCDDs (total)		ND(0.000000033)	NA
1,2,3,7,8-PeCDD		ND(0.000000025)	NA
PeCDDs (total)		ND(0.000000034)	NA
1,2,3,4,7,8-HxCDD		ND(0.000000056)	NA
1,2,3,6,7,8-HxCDD		ND(0.000000050)	NA
1,2,3,7,8,9-HxCDD		ND(0.000000054)	NA
HxCDDs (total)		ND(0.000000053)	NA
1,2,3,4,6,7,8-HpCDD		ND(0.000000032)	NA
HpCDDs (total)		ND(0.000000032)	NA
OCDD		0.000000070 J	NA
Total TEQs (WHO TEFs)		0.000000042	NA

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of volatiles, semivolatiles and dioxin/furans.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
4. With the exception of dioxin/furans, only detected constituents are summarized.
5. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics (volatiles, semivolatiles, dioxin/furans)

J - Indicates an estimated value less than the practical quantitation limit (PQL).

X - Estimated maximum possible concentration.

**TABLE 25-3
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 5
CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
May 2004**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
GMA 5 - Former Oxbow Area A									
GES-7	992.10	5/10/2004	14.86	---	0.00	---	16.77	0.00	977.24
GES-8	990.15	5/10/2004	11.55	---	0.00	---	16.92	0.00	978.60
GES-9	990.72	5/10/2004	16.24	---	0.00	---	16.73	0.00	974.48
GMA 5-1	984.59	5/10/2004	7.61	---	0.00	---	15.86	0.00	976.98
GMA 5-3	989.14	5/10/2004	18.07	---	0.00	---	25.06	0.00	971.07
GMA 5-4	979.10	5/10/2004	4.93	---	0.00	---	18.28	0.00	974.17
GMA 5-7	986.75	5/10/2004	14.73	---	0.00	---	27.98	0.00	972.02
GMA 5-8	984.69	5/10/2004	9.23	---	0.00	---	17.91	0.00	975.46
GT-7	989.76	5/10/2004	19.25	---	0.00	---	24.28	0.00	970.51
GT-101	979.23	5/10/2004	19.26	---	0.00	---	24.48	0.00	959.97
GMA 5 - Former Oxbow Area C									
C-1	987.82	5/10/2004	Well is buried, could not locate.			---	---	---	NA
C-2	979.25	5/10/2004	3.82	---	0.00	---	18.64	0.00	975.43
GMA 5-2	982.66	5/10/2004	7.55	---	0.00	---	20.82	0.00	975.11
GMA 5-5	982.64	5/10/2004	9.02	---	0.00	---	19.49	0.00	973.62
GMA5-6	979.23	5/10/2004	4.62	---	0.00	---	15.49	0.00	974.61
GT-101	979.23	5/10/2004	19.26	---	0.00	---	24.48	0.00	959.97

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.

Attachment A

NPDES Sampling Records and Results May 2004

**TABLE A-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004**

**NPDES PERMIT MONITORING
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
NPDES Sampling	001-A5626	5/3/04	Water	CT&E	Oil & Grease	5/13/04
NPDES Sampling	001-A5628	5/3/04	Water	CT&E	PCB	5/13/04
NPDES Sampling	001-A5639	5/5/04	Water	CT&E	TSS	5/13/04
NPDES Sampling	004-A5633	5/3/04	Water	CT&E	Oil & Grease	5/13/04
NPDES Sampling	005-A5620/A5621	4/27/04	Water	CT&E	PCB	5/6/04
NPDES Sampling	005-A5640/A5641	5/5/04	Water	CT&E	PCB, TSS, BOD	5/13/04
NPDES Sampling	005-A5653/A5654	5/11/04	Water	CT&E	PCB	Cancelled
NPDES Sampling	005-A5655/A5656	5/15/04	Water	CT&E	PCB	5/24/04
NPDES Sampling	005-A5666/A5667	5/18/04	Water	CT&E	PCB	5/26/04
NPDES Sampling	005-A5687/A5688	5/25/04	Water	CT&E	PCB	
NPDES Sampling	06A-A5672	5/18/04	Water	CT&E	Oil & Grease	5/26/04
NPDES Sampling	06A-A5674	5/18/04	Water	CT&E	PCB	5/26/04
NPDES Sampling	09A-A5613	4/26/04	Water	CT&E	TSS, BOD	5/4/04
NPDES Sampling	09A-A5637	5/4/04	Water	CT&E	TSS, BOD	5/13/04
NPDES Sampling	09A-A5650	5/10/04	Water	CT&E	TSS, BOD	5/17/04
NPDES Sampling	09A-A5675	5/23/04	Water	CT&E	TSS	
NPDES Sampling	09B-A5614	4/26/04	Water	CT&E	TSS, BOD	5/4/04
NPDES Sampling	09B-A5638	5/4/04	Water	CT&E	TSS, BOD	5/13/04
NPDES Sampling	09B-A5651	5/10/04	Water	CT&E	TSS, BOD	5/17/04
NPDES Sampling	09B-A5657	5/16/04	Water	CT&E	TSS	5/24/04
NPDES Sampling	09B-A5664	5/17/04	Water	CT&E	BOD	5/24/04
NPDES Sampling	09B-A5676	5/23/04	Water	CT&E	TSS	
NPDES Sampling	09B-A5679	5/24/04	Water	CT&E	BOD	
NPDES Sampling	09C-A5607	4/23/04	Water	CT&E	Oil & Grease	5/4/04
NPDES Sampling	09C-A5615	4/26/04	Water	CT&E	Oil & Grease	5/4/04
NPDES Sampling	09C-A5635	5/3/04	Water	CT&E	Oil & Grease	5/13/04
NPDES Sampling	09C-A5644	5/9/04	Water	CT&E	Oil & Grease	5/17/04
NPDES Sampling	09C-A5658	5/16/04	Water	CT&E	Oil & Grease	5/24/04
NPDES Sampling	09C-A5677	5/23/04	Water	CT&E	Oil & Grease	
NPDES Sampling	64G-A5611	4/26/04	Water	CT&E	Oil & Grease	5/4/04
NPDES Sampling	64G-A5631	5/3/04	Water	CT&E	Oil & Grease	5/13/04
NPDES Sampling	64G-A5648	5/10/04	Water	CT&E	Oil & Grease	5/17/04
NPDES Sampling	64G-A5662	5/17/04	Water	CT&E	Oil & Grease	5/24/04
NPDES Sampling	64G-A5682	5/24/04	Water	CT&E	Oil & Grease	
NPDES Sampling	64G-A5693	5/31/04	Water	CT&E	Oil & Grease	
NPDES Sampling	64T-A5609	4/26/04	Water	CT&E	Oil & Grease	5/4/04
NPDES Sampling	64T-A5629	5/3/04	Water	CT&E	Oil & Grease	5/13/04

TABLE A-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MAY 2004

NPDES PERMIT MONITORING
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
NPDES Sampling	64T-A5646	5/10/04	Water	CT&E	Oil & Grease	5/17/04
NPDES Sampling	64T-A5660	5/17/04	Water	CT&E	Oil & Grease	5/24/04
NPDES Sampling	64T-A5680	5/24/04	Water	CT&E	Oil & Grease	
NPDES Sampling	64T-A5691	5/31/04	Water	CT&E	Oil & Grease	
NPDES Sampling	A5624R	5/5/04	Water	CT&E	Acute Toxicity Test	5/13/04
NPDES Sampling	A5624RCN	5/5/04	Water	CT&E	CN	5/13/04
NPDES Sampling	A5624RTM	5/5/04	Water	CT&E	Metals (10)	5/13/04
NPDES Sampling	A5625C	5/5/04	Water	CT&E	Acute Toxicity Test	5/13/04
NPDES Sampling	A5625CCN	5/5/04	Water	CT&E	CN	5/13/04
NPDES Sampling	A5625CDM	5/5/04	Water	CT&E	Filtered Metals (8)	5/13/04
NPDES Sampling	A5625CTM	5/5/04	Water	CT&E	Metals (10)	5/13/04
NPDES Sampling	MAY04WK1	4/27/04	Water	CT&E	Cu, Pb, Zn	5/6/04
NPDES Sampling	MAY04WK3	5/11/04	Water	CT&E	Cu, Pb, Zn	5/17/04
NPDES Sampling	MAY04WK4	5/18/04	Water	CT&E	Cu, Pb, Zn	5/26/04
NPDES Sampling	MAY04WK5	5/25/04	Water	CT&E	Cu, Pb, Zn	
NPDES Sampling	SR068-A5669	5/18/04	Water	CT&E	Oil & Grease	5/26/04
NPDES Sampling	SR068-A5671	5/18/04	Water	CT&E	PCB	5/26/04

**TABLE A-2
DATA RECEIVED DURING MAY 2004**

**NPDES PERMIT MONITORING SAMPLING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	001-A5626 05/03/04	001-A5628 05/03/04	001-A5639 05/05/04	004-A5633 05/03/04	005-A5620/A5621 04/27/04	005-A5640/A5641 05/05/04	005-A5655/A5656 05/15/04
PCBs-Unfiltered								
Aroclor-1254		NA	0.000057 J	NA	NA	0.000091	ND(0.000065)	0.000019 J
Aroclor-1260		NA	ND(0.000065)	NA	NA	0.000077	0.000034 J	ND(0.000065)
Total PCBs		NA	0.000057 J	NA	NA	0.000168	0.000034 J	0.000019 J
Inorganics-Unfiltered								
Aluminum		NA	NA	NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA	NA	NA
Calcium		NA	NA	NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA	NA	NA
Cyanide		NA	NA	NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA	NA	NA
Magnesium		NA	NA	NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered								
Aluminum		NA	NA	NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA	NA	NA
Conventionals								
Biological Oxygen Demand (5-day)		NA	NA	NA	NA	NA	ND(2.0)	NA
Oil & Grease		12	NA	NA	13	NA	NA	NA
Total Suspended Solids		NA	NA	11.0	NA	NA	5.00	NA

**TABLE A-2
DATA RECEIVED DURING MAY 2004**

**NPDES PERMIT MONITORING SAMPLING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	005-A5666/A5667 05/18/04	06A-A5672 05/18/04	06A-A5674 05/18/04	09A-A5613 04/26/04	09A-A5637 05/04/04	09A-A5650 05/10/04	09B-A5614 04/26/04	09B-A5638 05/04/04
PCBs-Unfiltered									
Aroclor-1254		ND(0.000065)	NA	0.00042	NA	NA	NA	NA	NA
Aroclor-1260		ND(0.000065)	NA	0.00063	NA	NA	NA	NA	NA
Total PCBs		ND(0.000065)	NA	0.00105	NA	NA	NA	NA	NA
Inorganics-Unfiltered									
Aluminum		NA	NA	NA	NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA	NA	NA	NA
Calcium		NA	NA	NA	NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA	NA	NA	NA
Cyanide		NA	NA	NA	NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA	NA	NA	NA
Magnesium		NA	NA	NA	NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered									
Aluminum		NA	NA	NA	NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA	NA	NA	NA
Conventionals									
Biological Oxygen Demand (5-day)		NA	NA	NA	2.7	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Oil & Grease		NA	ND(5.0)	NA	NA	NA	NA	NA	NA
Total Suspended Solids		NA	NA	NA	67.0	10.0	7.00	17.0	12.0

**TABLE A-2
DATA RECEIVED DURING MAY 2004**

**NPDES PERMIT MONITORING SAMPLING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	09B-A5651 05/10/04	09B-A5657 05/16/04	09B-A5664 05/17/04	09C-A5607 04/23/04	09C-A5615 04/26/04	09C-A5635 05/03/04	09C-A5644 05/09/04	09C-A5658 05/16/04	64G-A5611 04/26/04
PCBs-Unfiltered										
Aroclor-1254		NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260		NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered										
Aluminum		NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium		NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide		NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium		NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered										
Aluminum		NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals										
Biological Oxygen Demand (5-day)		5.0	NA	3.0	NA	NA	NA	NA	NA	NA
Oil & Grease		NA	NA	NA	ND(5.0)	ND(5.0)	ND(5.0)	2.4 B	2.9 B	ND(5.0)
Total Suspended Solids		12.0	61.0	NA	NA	NA	NA	NA	NA	NA

**TABLE A-2
DATA RECEIVED DURING MAY 2004**

**NPDES PERMIT MONITORING SAMPLING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	64G-A5631 05/03/04	64G-A5648 05/10/04	64G-A5662 05/17/04	64T-A5609 04/26/04	64T-A5629 05/03/04	64T-A5646 05/10/04	64T-A5660 05/17/04	A5624RCN 05/05/04	A5624RTM 05/05/04
PCBs-Unfiltered										
Aroclor-1254		NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260		NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered										
Aluminum		NA	NA	NA	NA	NA	NA	NA	NA	ND(0.100)
Cadmium		NA	NA	NA	NA	NA	NA	NA	NA	ND(0.00100)
Calcium		NA	NA	NA	NA	NA	NA	NA	NA	12.0
Chromium		NA	NA	NA	NA	NA	NA	NA	NA	ND(0.00500)
Copper		NA	NA	NA	NA	NA	NA	NA	NA	ND(0.00500)
Cyanide		NA	NA	NA	NA	NA	NA	NA	ND(0.0200)	NA
Lead		NA	NA	NA	NA	NA	NA	NA	NA	ND(0.00500)
Magnesium		NA	NA	NA	NA	NA	NA	NA	NA	4.00
Nickel		NA	NA	NA	NA	NA	NA	NA	NA	ND(0.00500)
Silver		NA	NA	NA	NA	NA	NA	NA	NA	ND(0.00500)
Zinc		NA	NA	NA	NA	NA	NA	NA	NA	0.00660 B
Inorganics-Filtered										
Aluminum		NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals										
Biological Oxygen Demand (5-day)		NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease		ND(5.0)	ND(5.0)	2.2 B	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA
Total Suspended Solids		NA	NA	NA	NA	NA	NA	NA	NA	NA

**TABLE A-2
DATA RECEIVED DURING MAY 2004**

**NPDES PERMIT MONITORING SAMPLING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	A5625CCN 05/05/04	A5625CDM 05/05/04	A5625CTM 05/05/04	MAY04WK1 04/27/04	MAY04WK3 05/11/04	MAY04WK4 05/18/04	SR068-A5669 05/18/04	SR068-A5671 05/18/04
PCBs-Unfiltered									
Aroclor-1254		NA	NA	NA	NA	NA	NA	NA	0.0022
Aroclor-1260		NA	NA	NA	NA	NA	NA	NA	0.0026
Total PCBs		NA	NA	NA	NA	NA	NA	NA	0.0048
Inorganics-Unfiltered									
Aluminum		NA	NA	0.0720 B	NA	NA	NA	NA	NA
Cadmium		NA	NA	ND(0.00100)	NA	NA	NA	NA	NA
Calcium		NA	NA	60.0	NA	NA	NA	NA	NA
Chromium		NA	NA	ND(0.00500)	NA	NA	NA	NA	NA
Copper		NA	NA	0.00980	0.0360	0.0150	0.00140 B	NA	NA
Cyanide		0.0400	NA	NA	NA	NA	NA	NA	NA
Lead		NA	NA	ND(0.00500)	0.0160	0.00470 B	ND(0.00500)	NA	NA
Magnesium		NA	NA	25.0	NA	NA	NA	NA	NA
Nickel		NA	NA	ND(0.00500)	NA	NA	NA	NA	NA
Silver		NA	NA	ND(0.00500)	NA	NA	NA	NA	NA
Zinc		NA	NA	0.0200 B	0.0590	0.0330	0.00940 B	NA	NA
Inorganics-Filtered									
Aluminum		NA	ND(0.100)	NA	NA	NA	NA	NA	NA
Cadmium		NA	ND(0.00100)	NA	NA	NA	NA	NA	NA
Chromium		NA	ND(0.00500)	NA	NA	NA	NA	NA	NA
Copper		NA	0.00230 B	NA	NA	NA	NA	NA	NA
Lead		NA	ND(0.00500)	NA	NA	NA	NA	NA	NA
Nickel		NA	ND(0.00500)	NA	NA	NA	NA	NA	NA
Silver		NA	ND(0.00500)	NA	NA	NA	NA	NA	NA
Zinc		NA	0.0110 B	NA	NA	NA	NA	NA	NA
Conventionals									
Biological Oxygen Demand (5-day)		NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease		NA	NA	NA	NA	NA	NA	ND(5.0)	NA
Total Suspended Solids		NA	NA	NA	NA	NA	NA	NA	NA

Notes:

1. Samples were collected by General Electric Company, and were submitted to CT&E Environmental Services, Inc. for analysis of PCBs, cyanide, TSS, BOD, oil & grease, and metals (filtered and unfiltered).
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. With the exception of inorganics and conventional parameters only those constituents detected in one or more samples are summarized.

Data Qualifiers:

Organics and Conventional Parameters

- B - Analyte was also detected in the associated method blank.
- J - Indicates an estimated value less than the practical quantitation limit (PQL).

Inorganics

- B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).

Attachment B

NPDES Discharge Monitoring Reports April 2004

NAME GENERAL ELECTRIC CORPORATION
 ADDRESS ATTN: JEFFREY G. RUEBESAM
 100 WOODLAWN AVENUE
 PITTSFIELD MA 01201
 FACILITY GENERAL ELECTRIC COMPANY
 LOCATION PITTSFIELD MA 01201
 ATTN: MICHAEL T CARROLL, EHS&F

MA0003891
 PERMIT NUMBER

001 1
 DISCHARGE NUMBER

MAJOR (SUBR W)
 F - FINAL
 DISCHARGE TO SILVER LAKE

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
04	04	01	04	04	30

FROM

TO

*** NO DISCHARGE 1 1 ***

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****		8.4	*****	8.5	(12)	0	01/07	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0	SU		WEEKLY	RANG-C
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0	0	(26)	*****	*****	*****		0	01/30	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	138 MD AVG	628 DAILY MX	LBS/DY	*****	*****	*****	****		ONCE / MONTH	COMPOS
OIL & GREASE	SAMPLE MEASUREMENT	*****	0	(26)	*****	*****	0	(19)	0	01/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	319 DAILY MX	LBS/DY	*****	*****	15 DAILY MX	MG/L		ONCE / MONTH	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	*****	0.0001	(26)	*****	*****	*****		0	01/30	GR
39516 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	****		ONCE / MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.241	1.007	(03)	*****	*****	*****		0	99/99	RC
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1.10 MD AVG	2.55 DAILY MX	MGD	*****	*****	*****	****		CONTINUOUS	RECORD
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Michael T. Carroll
 Mgr. Pittsfield Remediation Prog.
 TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Michael T. Carroll
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 413 494-3500
 DATE 2004 5 20
 AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 SAMPLE AT THE DISCHARGE FROM OIL/WATER SEPERATOR.

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location (if different))
 NAME GENERAL ELECTRIC CORPORATION
 ADDRESS ATTN: JEFFREY G. RUEBESAM
 100 WOODLAWN AVENUE
 PITTSFIELD MA 01201
 FACILITY GENERAL ELECTRIC COMPANY
 LOCATION PITTSFIELD MA 01201
 ATTN: MICHAEL T CARROLL, EHS&F

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

Form Approved.
 OMB No. 2040-0004

MA0003871
 PERMIT NUMBER

004 1
 DISCHARGE NUMBER

MAJOR (SUBR W)
 F - FINAL
 DISCHARGE TO SILVER LAKE

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
04	04	01		04	04	30

FROM

TO

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH		*****	*****		7.7	*****	8.5	(12)	0	01/07	GR
00400 P O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****	****	6.0	*****	9.0	SU		WEEKLY	GRAB
	PERMIT REQUIREMENT	*****	*****	****	MINIMUM	*****	MAXIMUM	SU			
OIL & GREASE		*****	0	(26)	*****	*****	0	(19)	0	01/30	GR
00556 P O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	261	LBS/DY	*****	*****	15	MG/L		ONCE/	GRAB
	PERMIT REQUIREMENT	*****	DAILY MX	LBS/DY	*****	*****	DAILY MX	MG/L		MONTH	
POLYCHLORINATED BIPHENYLS (PCBS)		*****	NODI [9]	(26)	*****	*****	*****		0	****	GR
39516 P O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	REPORT	LBS/DY	*****	*****	*****	****		QTRLY	GRAB
	PERMIT REQUIREMENT	*****	DAILY MX	LBS/DY	*****	*****	*****	****			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		0.003	0.014	(03)	*****	*****	*****		0	99/99	RC
50050 P O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.38	2.09	MGD	*****	*****	*****	****		ONCE/	RCORDR
	PERMIT REQUIREMENT	MD AVG	DAILY MX	MGD	*****	*****	*****	****		MONTH	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Michael T. Carroll
 Mgr. Pittsfield Remediation Prog.
 TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Michael T. Carroll
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 413 494-3500
 DATE 2004 5 20
 AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 SAMPLE IN PLANT MANHOLE STATION ON 004.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME GENERAL ELECTRIC CORPORATION
ADDRESS ATTN: JEFFREY G. RUEBESAM
 100 WOODLAWN AVENUE
 PITTSFIELD MA 01201
FACILITY GENERAL ELECTRIC COMPANY
LOCATION PITTSFIELD MA 01201
ATTN: MICHAEL T CARROLL, EHS&F

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

MA0003871
 PERMIT NUMBER

005 1
 DISCHARGE NUMBER

MAJOR (SUBR W)
 F - FINAL
 WATERS TO HOUSATONIC RIVER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
04	04	01	04	04	30

*** NO DISCHARGE [] ***

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C)	0	0	(26)	*****	*****	*****		0	01/30	CP	
00310 T O O SEE COMMENTS BELOW	PERMIT REQUIREMENT	70 MD AVG	135 DAILY MX	LBS/DY	*****	*****	*****	****	ONCE / MONTH	COMPOS	
SOLIDS, TOTAL SUSPENDED	0	0	(26)	*****	*****	*****		0	01/30	CP	
00530 T O O SEE COMMENTS BELOW	PERMIT REQUIREMENT	188 MD AVG	270 DAILY MX	LBS/DY	*****	*****	*****	****	ONCE / MONTH	COMPOS	
OIL & GREASE	*****	18.2	(26)	*****	*****	4.4	(19)	0	01/07	GR	
00556 T O O SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	135 DAILY MX	LBS/DY	*****	*****	15 DAILY MX	MG/L	WEEKLY	GRAB	
POLYCHLORINATED BIPHENYLS (PCBS)	0.0001	0.0004	(26)	*****	*****	*****		0	01/07	CP	
39516 T O O SEE COMMENTS BELOW	PERMIT REQUIREMENT	0.01 MD AVG	0.03 DAILY MX	LBS/DY	*****	*****	*****	****	WEEKLY	COMPOS	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	0.274	0.619	(03)	*****	*****	*****		0	99/99	RC	
50050 T O O SEE COMMENTS BELOW	PERMIT REQUIREMENT	2.09 MD AVG	2.09 DAILY MX	MGD	*****	*****	*****	****	CONTINUOUS	RECORD	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Michael T. Carroll
 Mgr. Pittsfield Remediation Prog.
 TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Michael T. Carroll
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 413 494-3500
 DATE: 2004 5 20
 AREA CODE: 413 NUMBER: 494-3500 YEAR: 2004 MO: 5 DAY: 20

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 SEE PAGE 8 + 9 OF PERMIT FOR SAMPLING REQUIREMENTS. SEE DMR(S) 064G + 064T FOR FURTHER PARAMETERS.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location if Different)
NAME GENERAL ELECTRIC CORPORATION
ADDRESS ATTN: JEFFREY G. RUEBESAM
 100 WOODLAWN AVENUE
 PITTSFIELD MA 01201
FACILITY GENERAL ELECTRIC COMPANY
LOCATION PITTSFIELD MA 01201
ATTN: MICHAEL T CARROLL, EHS&F

MA0003891
 PERMIT NUMBER

064 G
 DISCHARGE NUMBER

MAJOR
 (SUBR W)
 F - FINAL
 GROUNDWATER TREATMENT (005)

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
04	04	01		04	04	30

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH 00400 T O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		7.2	*****	7.5	(12) SU	0	99/99	RCDR
	PERMIT REQUIREMENT	*****	*****	****	5.0 MINIMUM	*****	9.0 MAXIMUM	SU		WEEKLY	RANG-C
BASE NEUTRALS & ACID (METHOD 625), TOTAL 76030 T O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		*****	NODI [9]	NODI [9]	(19)			
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT DAILY MX	MG/L		QTRLY	GRAB
VOLATILE COMPOUNDS, (GC/MS) 78732 T O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		*****	NODI [9]	NODI [9]	(19)			
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT DAILY MX	MG/L		QTRLY	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael T. Carroll
 Mgr. Pittsfield Remediation Prog.
 TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Michael T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
413	494-3500	2004	5	20
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 SEE COMMENTS FOR 0051. SEE PAGE 8 + 9 OF PERMIT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MAJOR
(SUBR W)
F - FINAL
WASTEWATER TREATMENT (005)

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location (if different))

NAME GENERAL ELECTRIC CORPORATION
ADDRESS ATTN: JEFFREY G. RUEBESAM
100 WOODLAWN AVENUE
PITTSFIELD MA 01201
FACILITY GENERAL ELECTRIC COMPANY
LOCATION PITTSFIELD MA 01201
ATTN: MICHAEL T CARROLL, EHS&F

MA0003891
PERMIT NUMBER

064 T
DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR 04 MO 04 DAY 01 TO YEAR 04 MO 04 DAY 30

*** NO DISCHARGE 1 1 ***

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH 00400 T O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		7.2	*****	8.3	(12)	0	99/99	RCDR
	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0	SU			
DIBENZOFURAN B1302 T O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		*****	NODI [6]	NODI [6]	(22)		ONCE / MONTH	COMPOSE
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT DAILY MX	PPT			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael T. Carroll
Mgr. Pittsfield Remediation Prog.
TYPE OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Michael T. Carroll
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 13 494-3500
DATE 2004 5 20
AREA NUMBER DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
SEE COMMENTS FOR 0051. SEE PAGE 8 + 9 OF PERMIT.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location (if different))
NAME GENERAL ELECTRIC CORPORATION
ADDRESS ATTN: JEFFREY G. RUEBESAM
 100 WOODLAWN AVENUE
 PITTSFIELD MA 01201
FACILITY GENERAL ELECTRIC COMPANY
LOCATION PITTSFIELD MA 01201
ATTN: MICHAEL T CARROLL, EHS&F

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

MA0003891
 PERMIT NUMBER

007 1
 DISCHARGE NUMBER

MAJOR
 (SUBR W)
 F - FINAL
 DISCHARGE TO HOUSATONIC RIVER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
04	04	01		04	04	30

*** NO DISCHARGE 1__1 ***

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		*****	45	45	(15)	0	01/30	GR
	PERMIT REQUIREMENT	*****	*****	****	*****	70 MD AVG	75 DAILY MX	DEG.F DEG.F		ONCE/ MONTH	GRAB
PH 00400 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		7.2		7.6	(12)	0	01/07	GR
	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM		9.0 MAXIMUM	SU SU		WEEKLY	RANG-C
POLYCHLORINATED BIPHENYLS (PCBS) 39516 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		*****	NODI [9]	NODI [9]	(21)			
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MD AVG	REPORT DAILY MX	PPB		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.063	0.245	(03)	*****	*****	*****		0	24/30	CA
	PERMIT REQUIREMENT	REPORT MD AVG	REPORT DAILY MX	MGD MGD	*****	*****	*****	****		ONCE/ MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael T. Carroll
 Mgr. Pittsfield Remediation Prog.
 TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Michael T. Carroll
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 413 494-3500
 AREA CODE NUMBER

DATE
 2004 5 20
 YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 SAMPLE AT MANHOLE PRIOR TO CITY STORM DRAIN.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location (D/Ferret))

NAME GENERAL ELECTRIC CORPORATION
ADDRESS ATTN: JEFFREY G. RUEBESAM
100 WOODLAWN AVENUE
PITTSFIELD MA 01201
FACILITY GENERAL ELECTRIC COMPANY
LOCATION PITTSFIELD MA 01201
ATTN: MICHAEL T CARROLL, EHS&F

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MA0003891
PERMIT NUMBER

009 1
DISCHARGE NUMBER

MAJOR
(SUBR W)
F - FINAL
PROCESSES TO UNKAMET BROOK

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
04	04	01	04	04	30

FROM

TO

*** NO DISCHARGE 1 1 ***

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 V O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.1	0.5	(26) LBS/DY	*****	*****	*****		0	01/07	CP
	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
PH	SAMPLE MEASUREMENT	*****	*****		7.2	*****	7.6	(12) SU	0	01/07	GR
00400 V O O SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	**** MINIMUM	6.0	*****	9.0 MAXIMUM	SU		WEEKLY	RANG-O
SOLIDS, TOTAL SUSPENDED 00530 V O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.7	2.9	(26) LBS/DY	*****	*****	*****		0	01/07	CP
	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
OIL & GREASE 00556 V O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	0.005	(26) LBS/DY	*****	*****	3.9	(19) MG/L	0	01/07	GR
	PERMIT REQUIREMENT	*****	438 DAILY MX	LBS/DY	*****	*****	15 DAILY MX	MG/L		WEEKLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS) 39516 V O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		*****	NODI [9]	NODI [9]	(19) MG/L			
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT DAILY MX	MG/L			STRLY GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.016	0.165	(03) MGD	*****	*****	*****		0	99/99	RC
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****	*****	****			CONTINRCORDR VOUS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael T. Carroll
Mgr. Pittsfield Remediation Prog.
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Michael T. Carroll
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
413 494-3500		2004	5	20
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
SEE PAGE 11 OF PERMIT. SEE DMRS 009A + 009B. REPORT SUM OF LOAD 09A + 09B, FOR BOD, TSS, FLOW. SAMPLE AT DISCHARGE POINT TO BROOK FOR PH, OIL & GREASE, AND PCB.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location if Different)
NAME GENERAL ELECTRIC CORPORATION
ADDRESS ATTN: JEFFREY G. RUEBESAM
 100 WOODLAWN AVENUE
 PITTSFIELD MA 01201
FACILITY GENERAL ELECTRIC COMPANY
LOCATION PITTSFIELD MA 01201
ATTN: MICHAEL T CARROLL, EHS&F

MA0003891
 PERMIT NUMBER

009 A
 DISCHARGE NUMBER

MAJOR (SUBR W)
 F - FINAL
 09A SAMPLE POINT BEFORE 009

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
04	04	01	04	04	30

FROM

TO

*** NO DISCHARGE 1 | 1 ***

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.005	0.01	(26) LBS/DY	*****	*****	*****		0	01/DW	CP
	PERMIT REQUIREMENT	106 MD AVG	438 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.02	0.03	(26) LBS/DY	*****	*****	*****		0	01/DW	CP
	PERMIT REQUIREMENT	213 MD AVG	876 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.0003	0.004	(03) MGD	*****	*****	*****		0	99/99	RC
	PERMIT REQUIREMENT	REPORT MD AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTIN UOUS	CORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael T. Carroll
 Mgr. Pittsfield Remediation Prog.
 TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Michael T. Carroll
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
413 494-3500		2004	5	20
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 SEE PAGE 11 OF PERMIT. SEE DMR 0091. SAMPLE AT 09A.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location (if different))
 NAME GENERAL ELECTRIC CORPORATION
 ADDRESS ATTN: JEFFREY G. RUEBESAM
 100 WOODLAWN AVENUE
 PITTSFIELD MA 01201
 FACILITY GENERAL ELECTRIC COMPANY
 LOCATION PITTSFIELD MA 01201
 ATTN: MICHAEL T CARROLL, EHS&F

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

MA0003891
 PERMIT NUMBER

009 B
 DISCHARGE NUMBER

MAJOR
 (SUBR W)
 F - FINAL
 09B SAMPLE POINT PRIOR TO 009

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
04	04	01	04	04	30

*** NO DISCHARGE | 1 | ***

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.2	0.5	(26) LBS/DY	*****	*****	*****	****	0	01/DW	CP
	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	1.4	2.8	(26) LBS/DY	*****	*****	*****	****	0	01/DW	CP
	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.016	0.163	(03) MGD	*****	*****	*****	****	0	99/99	RC
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTINR	CORDR UOUS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Michael T. Carroll
 Mgr. Pittsfield Remediation Prog.
 TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Michael T. Carroll
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 413 494-3500
 AREA CODE NUMBER
 DATE
 2004 5 20
 YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 SEE PAGE 11 OF PERMIT. SEE DMR 0091; SAMPLE AT 09B.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MAJOR
(SUBR W)
F - FINAL
METALS: 001, 004, 005, 007, 009, 011

PERMITTEE NAME/ADDRESS (Include Facility Name/Location (if different))
NAME GENERAL ELECTRIC CORPORATION
ADDRESS ATTN: JEFFREY G. RUEBESAM
100 WOODLAWN AVENUE
PITTSFIELD MA 01201
FACILITY GENERAL ELECTRIC COMPANY
LOCATION PITTSFIELD MA 01201
ATTN: MICHAEL T CARROLL, EHS&F

MA0003891
PERMIT NUMBER

SUM A
DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
04	04	01	TO	04	04
					30

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0.1	(26) LBS/DY	*****	*****	*****		0	01/30	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	****		ONCE/MONTH	COMPOS
NICKEL TOTAL RECOVERABLE 01074 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0.01	(26) LBS/DY	*****	*****	*****		0	01/30	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	****		ONCE/MONTH	COMPOS
SILVER TOTAL RECOVERABLE 01079 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0.003	(26) LBS/DY	*****	*****	*****		0	01/30	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	****		ONCE/MONTH	COMPOS
ZINC TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0.3	(26) LBS/DY	*****	*****	*****		0	01/07	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
ALUMINUM, TOTAL (AS AL) 01105 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0	(26) LBS/DY	*****	*****	*****		0	01/30	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	****		ONCE/MONTH	COMPOS
CADMIUM TOTAL RECOVERABLE 01113 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0	(26) LBS/DY	*****	*****	*****		0	01/30	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	****		ONCE/MONTH	COMPOS
LEAD TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0.03	(26) LBS/DY	*****	*****	*****		0	01/07	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Michael T. Carroll Mgr. Pittsfield Remediation Prog. TYPED OR PRINTED	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Michael T. Carroll</i>	TELEPHONE	DATE			
			413 494-3500	2004	5	20	
			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
COMPOSITE PROPORTIONATE TO FLOW.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location (if Different))
 NAME GENERAL ELECTRIC CORPORATION
 ADDRESS ATTN: JEFFREY G. RUEBESAM
 100 WOODLAWN AVENUE
 PITTSFIELD MA 01201
 FACILITY GENERAL ELECTRIC COMPANY
 LOCATION PITTSFIELD MA 01201
 ATTN: MICHAEL T CARROLL, EHS&F

MA0003891
 PERMIT NUMBER

SUM A
 DISCHARGE NUMBER

MAJOR (SUBR W)
 F - FINAL
 METALS: 001, 004, 005, 007, 009, 011

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
04	04	01	04	04	30

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
CHROMIUM TOTAL RECOVERABLE 01118 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0.003	(26) LBS/DY	*****	*****	*****		0	01/30	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	****		ONCE/ MONTH	COMPOS
COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0.14	(26) LBS/DY	*****	*****	*****		0	01/07	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
CYANIDE, TOTAL RECOVERABLE 78248 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0.06	(26) LBS/DY	*****	*****	*****		0	01/30	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	****		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE		
		413 494-3500		2004	5	20
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Michael T. Carroll</i>	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 COMPOSITE PROPORTIONATE TO FLOW.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MAJOR
(SUBR W)
F - FINAL
TOXICS: 001, 004, 005, 007, 009, 011

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location if Different)
NAME GENERAL ELECTRIC CORPORATION
ADDRESS ATTN: JEFFREY G. RUEBESAM
100 WOODLAWN AVENUE
PITTSFIELD MA 01201
FACILITY GENERAL ELECTRIC COMPANY
LOCATION PITTSFIELD MA 01201
ATTN: MICHAEL T CARROLL, EHS&F

MA0003871
PERMIT NUMBER

SUM B
DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
04	04	01	04	04	30

FROM

TO

*** NO DISCHARGE 1 | 1 ***

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NOAEL STATRE 48HR AC	SAMPLE MEASUREMENT	*****	*****		NODI [9]	*****	*****	(23)			
U D. PULEX	PERMIT REQUIREMENT	*****	*****	****	35	*****	*****	PER-		ONCE/	COMPOS
TDM3D 1 0 0	SAMPLE MEASUREMENT				DAILY MN			CENT		MONTH	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael T. Carroll
Mgr. Pittsfield Remediation Prog.
TYPED OR PRINTED

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Michael T. Carroll
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
413 494-3500
AREA CODE NUMBER
DATE
2004 5 20
YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
MONTHLY DRY WEATHER TESTING. COMPOSITE PROPORTIONATE TO FLOW. FOR JULY, AUG., SEPT. REPORT ACUTE AND CHRONIC. SEE DMR SUMC FOR QUARTERLY WET WEATHER ACUTE. SUBMIT THIS DMR WITH A NODI '9' WHEN SUBMITTING WET WEATHER RESULTS ON DMR SUMC.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location if Different)
 NAME GENERAL ELECTRIC CORPORATION
 ADDRESS ATTN: JEFFREY G. RUEBESAM
 100 WOODLAWN AVENUE
 PITTSFIELD MA 01201
 FACILITY GENERAL ELECTRIC COMPANY
 LOCATION PITTSFIELD MA 01201
 ATTN: MICHAEL T CARROLL, EHS&F

MA0003891
 PERMIT NUMBER

SUM C
 DISCHARGE NUMBER

MAJOR (SUBR W)
 F - FINAL
 TOXICS: 001, 004, 005, 007, 009, 011

MONITORING PERIOD						
YEAR	MO	DAY	YEAR	MO	DAY	
04	04	01	To	04	06	30

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NOAEL STATRE 48HR AC	SAMPLE MEASUREMENT	*****	*****		100	*****	*****	(23) %	0	01/30	CP
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Michael T. Carroll
 Mgr. Pittsfield Remediation Prog.
 TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Michael T. Carroll
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 413 494-3500
 DATE 2004 5 20
 AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 QUARTERLY WET WEATHER ACUTE. COMPOSITE PROPORTIONATE TO FLOW. SEE DMR SUMB FOR DRY WEATHER TESTING. SUBMIT THIS DMR WITH A NODI '9' WHEN SUBMITTING DRY WEATHER ON DMR SUMB.

Attachment C

***Toxicity Evaluation of Wastewaters
Discharged From the General Electric
Plant; Pittsfield, Massachusetts
[Samples Collected in May 2004]***

**Toxicity Evaluation of Wastewaters
Discharged from
The General Electric Plant
Pittsfield, Massachusetts**

Samples collected in May 2004

Submitted to:

**General Electric
Area Environmental & Facility Programs
100 Woodlawn Avenue
Pittsfield, Massachusetts 01201**

SGS Sample ID: TA4-E0-P098

Study Director: Ken Holliday

14 May 2004

**SGS Environmental Services
1258 Greenbrier Street
Charleston, West Virginia 25311-1002
Tel: 304.346.0725 Fax: 304.346.0761
www.sgs.com**

Signatures and Approval

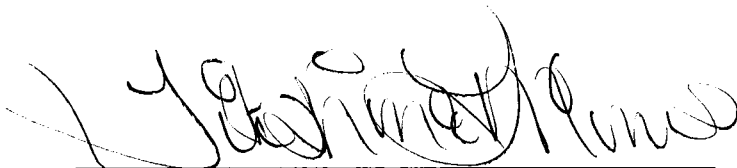
Submitted by: SGS Environmental Services
1258 Greenbrier Street
Charleston, West Virginia 25311-1002

Tel: 304.346.0725
Fax: 304.346.0761
www.sgs.com



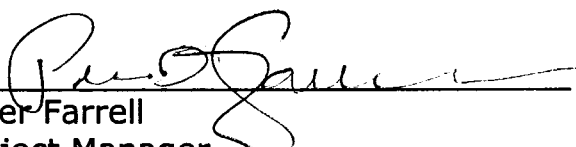
Ken Holliday
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May 14, 2004
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Technical Writer

May 14, 2004
Date



Peter Farrell
Project Manager
peter_farrell@sgs.com

May 14, 2004
Date

Whole Effluent Toxicity Test Report Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Executed on: May 14, 2004
Date

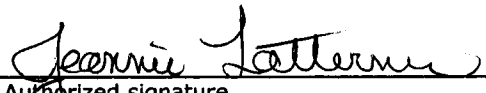

Authorized signature
Jeannie Latterner
Name
QA/QC Manager
Title
SGS Environmental Services
Laboratory

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Summary

Static Acute Toxicity Test with *Daphnia pulex*

Sponsor: General Electric

Protocol Title: *Acute Aquatic Toxicity Testing*, SGS Document Control Number 7002, version 4.0

SGS Study Number: TA4-E0-P098

Test Material: Composite effluent from the General Electric Company located in Pittsfield, Massachusetts

GE Sample ID: A5625C

Dilution Water: Water from the Housatonic River (grab sample)

GE Sample ID: A5624R

Dates Collected: May 04, 2004 to May 05, 2004

Date Received: May 06, 2004

Test Dates: May 06, 2004 to May 08, 2004

Test Concentrations: 100% effluent
75% effluent
50% effluent
35% effluent
15% effluent
5% effluent
dilution water control
reference control
secondary reference control (sodium thiosulfate)

Results: The 48-hour LC50 value was determined to be >100% effluent. The No-Observed-Acute-Effect-Level (NOAEL) was observed to be 100% effluent.

1.0 Introduction

1.1 Background

In 1972, amendments were made to the Clean Water Act (CWA) prohibiting the discharge of any pollutant from a point source to waters of the United States, unless the discharge is authorized by a National Pollutant Discharge Elimination System (NPDES) permit. Since the passing of the 1972 amendments to the CWA, significant progress has been made in cleaning up industrial process wastewater and municipal sewage.

The purpose of the National Pollutant Discharge Elimination System (NPDES) Program is to protect human health and the environment. The Clean Water Act requires that all point sources discharging pollutants into waters of the United States must obtain an NPDES permit. By point sources, EPA means discrete conveyances such as pipes or man made ditches.

For many years, discharge limits were based on available technology for wastewater treatment. However, in 1984, the U.S. Environmental Protection Agency (EPA) released a national policy statement entitled "Policy for the Development of Water Quality-Based Permit Limitations for Toxic Pollutants" (U.S. EPA, 1984) which addresses the control of toxic pollutants beyond technology-based requirements in order to meet water quality standards. To implement the new policy, guidance was provided to the respective state and regional permit personnel in the EPA's "Technical Support Document for Water Quality-Based Toxics Control" (U.S. EPA, 1985; U.S. EPA, 1991). The EPA's policy statement and the support document recommended that, where appropriate, permit limits should be based on effluent toxicity as measured in aquatic toxicity tests.

1.2 Clean Water Act, 33 U.S.C. s/s 1251 et seq. (1977)

The Clean Water Act is a 1977 amendment to the Federal Water Pollution Control Act of 1972, which set the basic structure for regulating discharges of pollutants to waters of the United States. The law gave EPA the authority to set effluent standards on an industry basis (technology-based) and continued the requirements to set water quality standards for all contaminants in surface waters. The CWA makes it unlawful for any person to discharge any pollutant from a point source into navigable waters unless a permit (NPDES) is obtained under the Act. The 1977 amendments focused on toxic pollutants. In 1987, the CWA was reauthorized and again focused on toxic substances, authorized citizen suit provisions, and funded sewage treatment plants (POTWs) under the Construction Grants Program. The CWA provisions for the delegation by EPA of many permitting, administrative, and enforcement aspects of the law to state governments. In states with the authority to implement CWA programs, EPA still retains oversight responsibilities.

1.3 Objective of the General Electric Study

The objective of this study was to measure the acute toxicity of the composite wastewater discharged by the General Electric facility located in Pittsfield, Massachusetts, using *Daphnia pulex* under static conditions. Whereas *D. pulex* are not considered locally important, they are routinely used by regulatory agencies and contract laboratories nationwide for toxicity testing. A toxicity test was conducted from May 06, 2004 to May 08, 2004 at SGS Environmental Services, Charleston, West Virginia. All original raw data and the final report produced for this study are stored in SGS's archives at the above location.

2.0 Materials and Methods

2.1 Protocol

Procedures used in this acute toxicity test followed those described in the SGS Standard Operating Procedure (SOP) entitled *Acute Aquatic Toxicity Testing*, SGS document control number 7002, version 4.0. This SOP generally follows the standard methodology presented in *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms* (U.S. EPA, 1993). Additional SOPs used in this study are outlined below:

Title	Document Number	Version
Culture Waters for Aquatic Toxicity Testing	7005	4.0
Culture of <i>Daphnia</i>	7006	5.0
Reference Toxicant Testing	7008	5.0
Sample Handling for Aquatic Toxicity Testing	7009	4.0

Copies of these documents are included in the References section of this report.

2.2 Effluent Sample

The effluent sample (A5625C) was collected by GE personnel May 04, 2004 to May 05, 2004. Upon receipt at SGS on May 06, 2004, the sample temperature was 5.6° C. The effluent sample was characterized as having

Parameter	Result
Total Hardness	300
Alkalinity (as CaCO ₃)	212
pH	7.51
Specific Conductance	898
Dissolved Oxygen Concentration*	8.86

*Dissolved oxygen concentration was recorded after sample was aerated and warmed to approximately 20°C).

The effluent sample was observed to be clear and colorless.

2.3 Dilution Water

Dilution water consisted of receiving water collected from the Housatonic River. The receiving water (A5624R) was collected by General Electric personnel on May 05, 2004. Upon receipt at SGS on May 06, 2004, the sample temperature was 5.6°C. The dilution water was characterized as having

Parameter	Result
Total Hardness	110
Alkalinity (as CaCO ₃)	46
pH	6.44
Specific Conductance	172
Dissolved Oxygen Concentration*	8.71

*Dissolved oxygen concentration was recorded after sample was aerated and warmed to approximately 20°C).

The dilution water sample was observed to be slightly cloudy with a straw color.

2.4 Reference Control Water

Water used in the reference control vessels was deionized (DI) water adjusted to the appropriate hardness (moderately hard reconstituted water) by the addition of reagent grade chemicals (U.S. EPA, 1993). Characterization of this water resulted in:

Parameter	Result
Total Hardness	110
Alkalinity (as CaCO ₃)	73
pH	7.04
Specific Conductance	324
Dissolved Oxygen	8.92

2.5 Test Organisms

Daphnids (*Daphnia pulex*), less than 24-hours old, were obtained from SGS laboratory cultures maintained in Charleston. The culture system consisted of twenty-four (24) 100 ml disposable plastic beakers each containing 80 ml of culture medium and one (1) daphnid. The culture medium was deionized (DI) water for which the hardness was raised by addition of reagent grade chemicals (U.S. EPA, 1993). Prior to use, the culture water was characterized:

Parameter	Result
Total Hardness	within range of 80-110 mg/L
Alkalinity (as CaCO ₃)	within range of 60-70 mg/L
pH	within range of 7.0 to 7.2

The culture area was maintained at a temperature of 20°C (± 1°C) with a regulated photoperiod of 16 hours of light and 8 hours of darkness.

Daphnid cultures were fed a combination of green algae (*Selanastrum capricorium*), approximately 4.0×10^7 cells/ml) and YCT (yeast, cereal leaves and trout chow). Approximately 1.0 ml of algae and 0.5 ml of YCT was added to each culture vessel daily. Three times per week, daphnids are transferred to fresh culture media.

Approximately twenty-four hours before test initiation, all immature daphnids were removed from the culture flasks. Offspring produced during the period were used in the toxicity test.

2.6 Test Procedures

A subsample of the effluent and the dilution water (approximately 2250 ml) was analyzed by SGS for total phosphorus, chloride, total suspended solids, and total solids. The 48-hour toxicity test was conducted at concentrations of 100%, 75%, 50%, 35%, 15% and 5% effluent. Test concentrations were prepared by diluting

the appropriate volume of effluent with dilution water to a total volume of 250 ml. Test solutions were then divided into replicate (5 replicates per concentration) 30 ml medicine cups, each containing 20 ml of test solution. One set of five control beakers (containing Housatonic River water) and one set of five reference control beakers (containing moderately hard reconstituted water) were established and maintained under the same conditions as the exposure concentrations. A secondary set of five reference control beakers (containing sodium thiosulfate) was also maintained. Test solutions were placed in an incubator to maintain solution temperature of 20°C (\pm 1°C). Light was provided on a 16-hour light and 8-hour dark photoperiod. Florescent bulbs provided an illumination of 90 to 100 foot-candles in the test area.

Prior to test initiation, daphnids less than 24-hours old were culled individually with a plastic pipette and placed into a 1000 ml holding beaker containing approximately 500 ml of reference water. The test was initiated when daphnids were individually transferred from the holding beaker to the test solutions (4 daphnids per replicate). The daphnids were fed prior to test initiation but were not fed during the exposure period.

2.7 Test Monitoring

The number of mortalities and observations in each replicate vessel were recorded at 24 and 48 hours of exposure and observed mortalities were removed from the test solutions. Biological observations and observations from the physical characteristics of each replicate test solution and control were also made and recorded at 0, 24 and 48 hours. Dissolved oxygen concentrations pH and temperature were measured at test initiation and at 24-hour intervals thereafter, in one replicate vessel (a) for each test concentration in which there were surviving organisms.

Total hardness concentrations were measured by the EDTA titrimetric method and total alkalinity concentrations were determined by potentiometric titration to an endpoint of pH 4.5 (APHA, 1989). Total residual chlorine was measured by Hach test. Concentrations of ammonia were determined using a Buchi model 212 distillation unit and titrated automatically with a Brinkman titroprocessor. Specific conductivity was measured with a Cole Palmer Model 71250 salinity-conductivity-temperature meter and probe; pH was measured with a Fisher Scientific Accumet 910 pH meter and combination electrode; dissolved oxygen concentration was measured with an YSI Model 59 dissolved oxygen meter. Daily temperature measurements were performed with a Princo mercury thermometer and a Fisher minimum-maximum thermometer. Light intensity was measured with a General Electric type 217 light meter.

2.8 Reference Toxicity Test

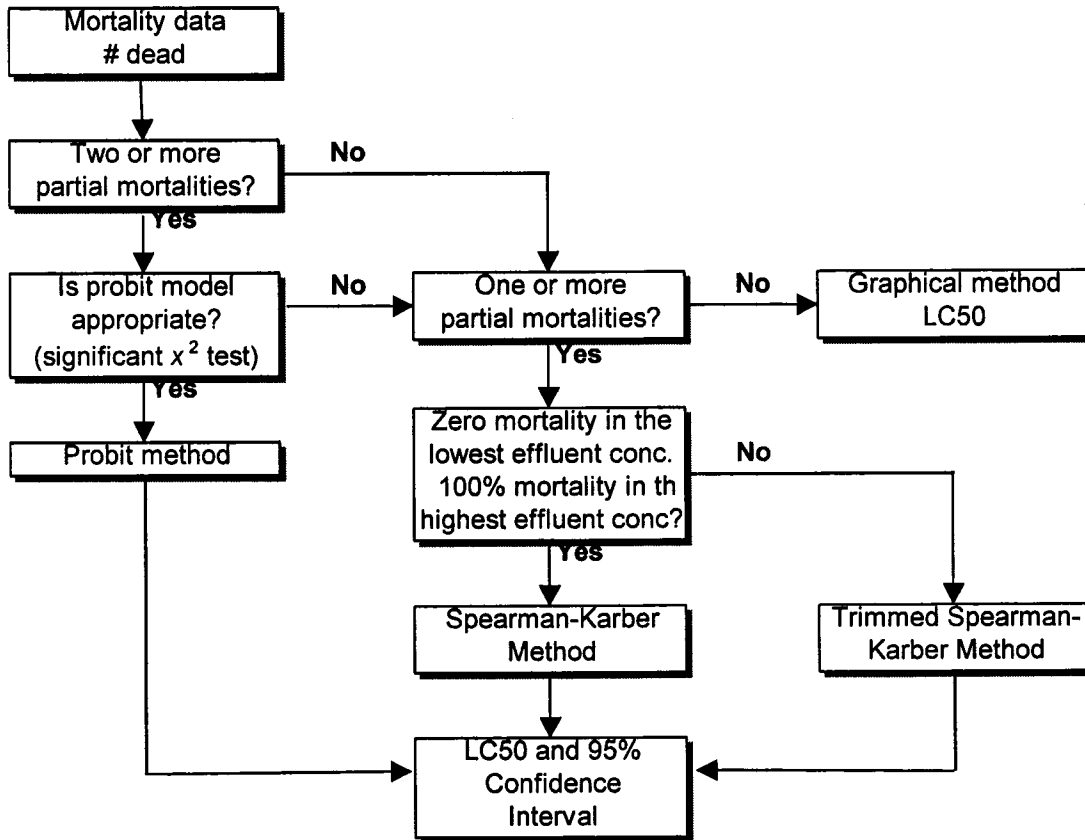
A 48-hour reference toxicity test exposing *Daphnia pulex* to sodium chloride (NaCl) was conducted from May 06, 2004 to May 08, 2004. The reference test was conducted to establish the health of the test organisms. The reference toxicity test included five NaCl concentrations and a dilution water control (moderately hard reconstituted water). The nominal NaCl concentrations for the test with *Daphnia pulex* ranged from 625 to 10,000 mg of NaCl/L. Test methods were the same as those described above for the effluent test.

3.0 Statistics

The concentration-response relationships observed were characterized by the median lethal concentrations (LC50), which is the concentration that is calculated to be lethal to 50 percent of the organisms within the test period. If no concentration caused mortality of 50%, then the LC50 value was determined to be greater than the highest concentration tested and no statistical analysis were performed. If at least one concentration caused mortality of greater than 50% of the test population, then a computer program (TOXSTAT 3.5) was used to calculate the LC50 value. Three statistical methods were available in the computer program: probit analysis, the Trimmed Spearman-Karber, and the Spearman-Karber methods. The graphical method is available if appropriate. Generally, to choose the best estimate of the LC50 value for a particular data set, the U.S. EPA flow chart on page 15 was followed.

The No-Observable-Acute-Effect-Level (NOAEL) was estimated for the acute toxicity test, and is defined as the highest concentration of effluent that produced $\geq 90\%$ survival.

**Flowchart 1. Determination of the LC50 from a Multi-Effluent-Concentration
Acute Toxicity Test**



Flowchart for determination of the LC50 for multi-effluent-concentration acute toxicity tests.

4.0 Results

4.1 Effluent Toxicity Test

The methods and detection limits of chemical analyses performed on the composite effluent sample and dilution water are summarized in Table 1. Results of the characterization and analysis of the effluent and the dilution water are presented in Table 2. Water quality parameters measured during the toxicity test are presented in Table 3. Daily and continuous monitoring of the test solutions established the temperature ranged from 19°C to 21°C throughout the exposure period. The effluent concentration was tested (expressed as %) and the corresponding percent mortalities recorded during the 48-hour toxicity test are presented in Table 4. Significant toxicity was not demonstrated in this examination. Based on the results of this study, the 48-hour LC₅₀ value was >100% effluent. The NOAEL value for this study was determined to be 100% effluent.

4.2 Reference Toxicity Test

SGS uses sodium chloride (NaCl) as a reference toxicant. The reference test was conducted from May 06, 2004 to May 08, 2004, and the resulting 48-hour LC₅₀ was estimated by Trimmed Spearman-Kärber Method to be 2030 mg NaCl/L (95% confidence intervals of 1688 to 2442 mg NaCl/L).

References

- American Public Health Association, American Water Works Association, and Water Pollution Control Federation (APHA). 1989. *Standard Methods for the Examination of Water and Wastewater*. 17th Edition.
- U.S. Environmental Protection Agency. 1984. Development of water Quality-Based Permit Limitations for Toxic Pollutants. Federal Register 49(48):90160-90190.
- U.S. Environmental Protection Agency. 1985. Technical Support Document for Water Quality-Based Toxics Control. Office of Water, Washington, DC.
- U.S. Environmental Protection Agency. 1991. Technical Support Document for Water Quality-Based Toxics Control. Office of Water, Washington, DC.
- U.S. Environmental Protection Agency. 1993. *Measuring the Acute Toxicity of Effluents and Receiving Methods Waters to Freshwater and Marine Organisms*. EPA/600/4-90/027F.

Table 1. Methods and detection limits of chemical analyses of the General Electric Pittsfield Plant effluent and the dilution water (Housatonic River).

Parameters	Method	Detection Limits
Ammonia Nitrogen as N	EPA 350.2	1.0 mg/L
Chloride	EPA 325.2	1.0 mg/L
Total Organic Carbon	EPA 415.1	1.0 mg/L
Total Solids	EPA 160.3	10.0 mg/L
Phosphorus, Total as P	Standard Methods 4500-P	0.02 mg/L
Total Residual Chlorine	Standard Methods 4500-Cl G	0.01 mg/L
Total Suspended Solids	EPA 160.2	5.0 mg/L

Table 2. Results of the characterization and analyses of the General Electric Pittsfield Plant effluent and the dilution water (Housatonic River).

Parameter	Effluent (A5625C)	Housatonic River (A5624R)
Temperature	20.6°C	20.6°C
pH	7.51	6.44
Alkalinity (as CaCO ₃)	212 mg/L	46 mg/L
Hardness (as CaCO ₃)	300 mg/L	110 mg/L
Dissolved Oxygen	8.86 mg/L	8.71 mg/L
Specific Conductivity	898 µmhos/cm	172 µmhos/cm
Salinity	N/A	N/A
Total Residual Chlorine	ND	ND
Ammonia as N (0-Hour)	ND	ND
Total Phosphorus as P	ND	ND
Chloride	100 mg/L	15 mg/L
Total Suspended Solids	8 mg/L	7.0 mg/L
Total Solids	510 mg/L	90 mg/L
Total Organic Carbon	2.7 mg/L	4.3 mg/L

Dissolved oxygen concentrations recorded after samples were aerated and warmed to approximately 20°C.

N/A = not applicable

ND = non detectable

Table 3. The water quality measurements recorded during the 48-hour static toxicity test exposing *Daphnia pulex* to General Electric Pittsfield Plant effluent.

Matrix ↓	pH			Dissolved Oxygen (mg/L)			Temperature (°C)		
	0	24	48	0	24	48	0	24	48
	Reference Control	7.04	7.12	7.18	8.92	8.74	8.61	20.6	19.7
Secondary Ref Control	7.10	7.14	7.20	8.94	8.78	8.64	20.6	19.7	20.2
Dilution Water Control	6.44	6.51	6.56	8.71	8.62	8.48	20.6	19.7	20.2
5% Effluent	6.63	6.72	6.77	8.73	8.68	8.52	20.6	19.7	20.2
15% Effluent	6.81	6.94	6.99	8.74	8.60	8.51	20.6	19.7	20.2
35% Effluent	7.04	7.09	7.12	8.82	8.70	8.59	20.6	19.7	20.2
50% Effluent	7.22	7.31	7.34	8.86	8.77	8.62	20.6	19.7	20.2
75% Effluent	7.34	7.41	7.49	8.84	8.69	8.58	20.6	19.7	20.2
100% Effluent	7.51	7.62	7.57	8.86	8.68	8.57	20.6	19.7	20.2

Dissolved oxygen, pH and temperature were measured in one replicate test chamber (A) for each concentration and controls.

The appearance of the effluent was clear, with some sediment.

- Reference Control = moderately hard synthetic water
- Secondary Control = moderately hard synthetic water and 0.1 N sodium thiosulfate (Na₂S₂O₃)
- Dilution Water Control = receiving water collected from the Housatonic River

Table 4. Cumulative percent mortalities recorded during the 48-hour static toxicity test exposing *Daphnia pulex* to General Electric Pittsfield Plant effluent.

Test Matrix ↓	Cumulative Percent Mortality (%)											
	24-Hour						48-Hour					
	A	B	C	D	E	Mean	A	B	C	D	E	Mean
Reference Control	0	0	0	0	0	0	0	0	0	0	0	0
Secondary Ref Control	0	0	0	0	0	0	0	0	0	0	0	0
Dilution Water Control	0	0	0	0	0	0	0	0	0	0	0	0
5% Effluent	0	0	0	0	0	0	0	0	0	0	0	0
15% Effluent	0	0	0	0	0	0	0	0	0	0	0	0
35% Effluent	0	0	0	0	0	0	0	0	0	0	0	0
50% Effluent	0	0	0	0	0	0	0	0	0	0	0	0
75% Effluent	0	0	0	0	0	0	0	0	0	0	0	0
100% Effluent	0	0	0	0	0	0	0	0	0	0	0	0

Reference Control = moderately hard synthetic water
 Na₂S₂O₃ Control = moderately hard synthetic water and sodium thiosulfate (0.1 N)
 Dilution Water Control = receiving water collected from the Housatonic River

Appendix I

References

CT&E Environmental Services Inc.

Standard Operating Procedure

023

Document Title: Acute Aquatic Toxicity Testing
Method Reference: CT&E/USEPA
Document File Name: 7002-04.DOC
Revision Number: 4.0
Effective Date: October 20, 1998

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Document Control Number: 7002.

Page 1 of 6

Approved by: *Ken Holliday*
Supervisor10/21/98
DateApproved by: *Hydra M. L. Dark*
QA/QC Officer10/20/98
Date

1.0 SUMMARY

A 24-, 48-, or 96-hour test to determine the toxicity to freshwater aquatic animals of effluents.

2.0 REFERENCES

- 2.1 Weber, Cornelius I., *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms.*, Fourth Edition. EPA-600/4-90/027. U.S.EPA, Cincinnati, Ohio.
- 2.2 *Reporting and Testing Guidance for Biomonitoring Required by the Ohio Environmental Protection Agency*, October, 1991.
- 2.3 *Toxics Management Program's Guidance for Conduction and Reporting the Results of Toxicity Tests in Fulfillment of VPDES Permit Requirements*, Revised July 1992.

3.0 SCREENING

3.1 Test Duration

24 Hours, 48 Hours or 96 Hours.

3.2 Test Preparation

- 3.2.1 Measure the pH, D.O. and total residual chlorine of the 100% effluent and the control water. If the effluent pH falls outside of the range of 6.0-9.0, two parallel tests are set up in which one effluent is adjusted and the other is not. The pH is adjusted to 7.0 using additions of 1N NaOH and HCl, (other pH adjustment endpoints may be utilized depending on local requirements). The measured amount of acid or base is recorded on the bench sheet. If the D.O. is below 40% saturation or above 100% saturation, the effluent is aerated prior to test initiation. If the total chlorine is above 0.1 mg/L, two parallel tests are set up in which one

CT&E Environmental Services Inc.

Standard Operating Procedure

024

Document Title: Acute Aquatic Toxicity Testing
Method Reference: CT&E/USEPA
Document File Name: 7002-04.DOC
Revision Number: 4.0
Effective Date: October 20, 1998

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Document Control Number: 7002.

Page 2 of 6

effluent is dechlorinated and the other is not (Dechlorination may be prohibited; permit is checked to determine if dechlorination is allowed). The effluent is dechlorinated by the addition of anhydrous sodium thiosulfate. The measured amount is recorded on the bench sheet. Care is taken to add the least amount of sodium thiosulfate needed to decrease the TRC level below 0.10 mg/L. Typically, adjustment of effluent is unnecessary.

- 3.2.2 Twenty organisms per concentration are used in acute screening tests.
- 3.2.3 This is a static, non-renewal test, using *Ceriodaphnia dubia*, *Daphnia pulex*, *Daphnia magna*, or *Pimephales promelas* (Fathead minnow).
- 3.2.4 Water quality (D.O., pH, conductivity, hardness, alkalinity and TRC), is measured at the time of test initiation. At test termination, temperature, D.O. conductivity and pH are measured. The final mortality and percent effected counts are recorded. Temperature is maintained at $25^{\circ} \pm 1^{\circ}\text{C}$ for *Daphnia*, and $20^{\circ} \pm 1^{\circ}\text{C}$ for fathead minnows. Facilities exist to perform both fish and *Daphnia* tests at either temperature.

3.3 Test Results

No statistical analysis is performed on screening data.

4.0 DEFINITIVE TEST

4.1 *Pimephales promelas* (Fathead Minnows)

4.1.1 Test Duration

48-Hours or 96-Hours

4.1.2 Static non-renewal

4.1.3 Test Preparation

4.1.3.1 This test is comprised of a control and an effluent dilution series usually consisting of 100%, 50%, 25%, 12.5% and 6.25% (unless otherwise indicated).

4.1.3.2 The sample is brought up to test temperature in a room temperature water bath. Chemical parameters are checked and

CT&E Environmental Services Inc.

Standard Operating Procedure

025

Document Title: Acute Aquatic Toxicity Testing
Method Reference: CT&E/USEPA
Document File Name: 7002-04.DOC
Revision Number: 4.0
Effective Date: October 20, 1998

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recorded. If the pH, D.O. or chlorine fall outside the acceptable testing range, the effluent may be adjusted (see screening; Test Preparation).

4.1.3.3 The dilutions are prepared in calibrated graduated cylinders using moderately hard synthetic water as dilution water. Other dilution water may be used if specified.

4.1.3.4 Approximately 400 ml of test solution is placed in each of two 800 ml disposable plastic beakers.

4.1.4 Loading

Ten (10) organisms are placed in each beaker. CT&E uses fish which are less than 14 days old and are hatched within the same 24 hour period. A loading limit of 0.8 g/l is observed. Fish are loaded by first transferring them to a shallow dish where they are easily transferred into the test solutions with wide-bore pipettes.

4.1.5 Test Temperature

20° C (± 1)

4.1.6 Daily Procedures

4.1.6.1 At the end of each 24 hours, the pH, D.O. and temperatures are checked and recorded. At this time mortalities are also recorded.

4.1.6.2 If a 96 hour static acute test is required, the test solution may be renewed at 48 hours. Renewal is accomplished by siphoning old test solution and debris and replacing with fresh solution of the appropriate concentration.

4.1.6.3 At the end of 48 hours or 96 hours the final mortalities and percent affected are recorded along with the final water qualities (D.O., pH, conductivity).

4.1.7 Feeding

Organisms are allowed to feed only prior to test initiation, and prior to renewal at 48 hours in a 96 hour test.

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Standard Operating Procedure

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Document Title: Acute Aquatic Toxicity Testing
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4.2 *Ceriodaphnia dubia*, *Daphnia magna*, and *Daphnia pulex*

4.2.1 Test Duration

48-Hours

4.2.2 Static Non-renewal

4.2.3 Test Preparation

4.2.3.1 This test is comprised of a control and a dilution series consisting of 100%, 50%, 25%, 12.5% and 6.25% of the effluent (unless otherwise indicated).

4.2.3.2 The sample is brought up to test temperature in a room temperature waterbath. Chemical parameters are checked and recorded. If the pH, D.O. or chlorine fall outside the acceptable testing range, the effluent may be adjusted (see screening; Test Preparation).

4.2.3.3 The dilutions are prepared in beakers using moderately hard synthetic water (see Section II; Dilution Waters and Culture Media), unless other dilution water is specified. At least 25 ml. of each dilution are placed in five 30 ml. testing vessels.

4.2.4 Loading

4.2.4.1 Four organisms are placed in each vessel. The *Daphnids* are loaded with a disposable polyethylene transfer pipette and are gently released below the surface of the water to avoid the risk of injury.

4.2.5 Test Temperature

The test is conducted in a constant temperature incubator at 25° ±1° C (To satisfy local requirements tests may be conducted at other temperatures).

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Standard Operating Procedure

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Document Title: Acute Aquatic Toxicity Testing
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4.2.6 Daily Procedure

4.2.6.1 At 24 and 48 hours the mortalities and number adversely effected are noted.

4.2.6.2 Due to the fragile structure of *Daphnia* organisms, dissolved oxygen, hardness alkalinity, specific conductance and pH readings are not taken after the organisms have been added to the sample. These analyses could cause injury to the *Daphnia* organisms.

4.2.7 Photoperiod

16 hours light, 8 hours dark.

4.2.8 Feeding

Organisms are allowed to feed prior to test initiation; they are not fed for the duration of the test.

5.0 TEST DATA

5.1 *Pimephales promelas*, *Ceriodaphnia dubia*, *Daphnia magna* and *Daphnia pulex*

5.1.1 Mortality and adverse effects are used as the endpoints for a definitive test.

5.1.2 Chemical parameters checked before test initiation, at 24 hours, 48 hours, 72 hours and 96 hours.

5.1.3 Mortalities recorded at 24 hours, 48 hours, 72 hours and 96 hours.

5.1.4 Any atypical behavior or complications are recorded.

6.0 DATA ANALYSIS

6.1 Introduction

Data from acute effluent toxicity tests are used to estimate the LC50 and EC50. The LC50 is a point estimate of the effluent concentration that is expected to cause lethality to 50% of the test organisms. The EC50 is a point estimate of

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the effluent concentration that is expected to cause and adverse effects to 50% of the test organisms.

6.2 Methods for Estimating the LC50 & EC50

6.2.1 The flow chart (Figure 6) on page 76 of the manual, *Methods for Measuring the Acute Toxicity of Effluents and Receiving Water to Freshwater and Marine Organisms* (Fourth Edition), EPA-600/4-90-27F, Appendix A, Sections 4.4.1 through 4.4.3. is observed for determination of the LC50 for multi-concentration acute toxicity tests.

6.2.2 Several statistics packages, including Toxstat® 3.4, are available for data analysis.

7.0 REPORT PREPARATION

7.1 CT&E Acute Toxicity Test Reports Typically Contain the Following Information:

7.1.1 Test background information - Includes client, NPDES or state permit number, sampling point reference number, date collected and received, collector's name, type and date of test, dilution water used, test results, and chain of custody forms.

7.1.2 Results - LC50 & EC50 values and analysis method used; Any comments concerning the test results.

7.1.3 Initial Characterization of the Effluent Sample - Raw Data Sheets: Includes dissolved oxygen (DO), pH, specific conductivity, hardness, alkalinity and a description of the sample source.

7.1.4 Reference Toxicity Data

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Document Title: Culture Waters for Aquatic Toxicity Testing
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Document Control Number: 7005

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Approved by: *Ken Halliday*
Supervisor

10/21/98
Date

Approved by: *Lynda M. Work*
QA/QC Officer

10/20/98
Date

1.0 Summary

This document describes the preparation of various waters used for the culture of aquatic organisms.

2.0 Moderately-Hard Synthetic Water

- 2.1 Place 19 liter of de-ionized, or equivalent, water in a properly cleaned and labeled plastic carboy.
- 2.2 Add 1.20 g of $MgSO_4$, 1.92 g $NaHCO_3$ and 0.08g KCl to the carboy.
- 2.3 Aerate overnight.
- 2.4 Add 1.20 g of $CaSO_4 \cdot 2H_2O$ to 1 liter of de-ionized or equivalent water in a separate flask. Stir on magnetic stirrer until calcium sulfate is dissolved and add to the 19 liter above and mix well.
- 2.5 Aerate vigorously for 24 hours to stabilize the medium.

3.0 Hard Synthetic Water

- 3.1 Place 9 liter of de-ionized, or equivalent, water in a properly cleaned and labeled plastic carboy.
- 3.2 Add 1.20 g of $MgSO_4$, 1.92 g $NaHCO_3$ and 0.08g KCl to the carboy.
- 3.3 Aerate overnight.
- 3.4 Add 1.20 g of $CaSO_4 \cdot 2H_2O$ to 1 liter of de-ionized, or equivalent water in a separate flask. Stir on magnetic stirrer until calcium sulfate is dissolved and add to the 9 liter above and mix well.
- 3.5 Aerate vigorously for 24 hours to stabilize the medium.

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Standard Operating Procedure

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Document Title: Culture Waters for Aquatic Toxicity Testing
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4.0 Synthetic Water Solutions

4.1 KCL Stock Solution

- 4.1.1 Place 8 g of crystalline, reagent grade KCL in a 1 liter volumetric flask.
- 4.1.2 Bring the volume to one liter with distilled water.
- 4.1.3 Aerate vigorously for several hours before using.
- 4.1.4 Store in a 1 liter polyethylene bottle.

4.2 MgSO₄ Stock Solution

- 4.2.1 Place 120 g of reagent water, anhydrous MgSO₄ powder in a 1 liter volumetric flask.
- 4.2.2 Bring the volume to one liter with distilled water.
- 4.2.3 Aerate vigorously for several hours before using.
- 4.2.4 Store in a 1 liter polyethylene bottle.

4.3 NaHCO₃ Stock Solution

- 4.3.1 Place 96 g of reagent grade NaHCO₃ powder in a 1 liter volumetric flask.
- 4.3.2 Bring the volume to 1 liter with distilled water
- 4.3.3 Aerate vigorously for several hours before using.
- 4.3.4 Store in a 1 liter polyethylene bottle.

5.0 Activated Carbon Treated Tap Water Diluent

- 5.1 Fill a 5-gallon carboy with water from the treatment system using the attached hose. Water should be allowed to flow slowly through the hose into the sink for 2-3 minutes before filling the carboy. Flow rate to fill the carboy should be slow.
- 5.2 One or two long airstones are placed in the filled carboy. Water is aerated vigorously for 48-hours.
- 5.3 Total residual chlorine must be checked on water from newly filled carboys before using.
- 5.4 Alkalinity, hardness and pH are checked on samples from dechlorinated water carboys according to the Laboratory Procedure Checklist.
- 5.5 Log information on the Dechlorinated Tap Water and Cechlorimeter log sheet including the carboy number and date filled.

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Document Title: Culture Waters for Aquatic Toxicity Testing
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6.0 Synthetic Sea Water Preparation

- 6.1 Fill a clean carboy with dechlorinated water to approximately the 25-gallon mark.
- 6.2 The newly filled carboy should be checked for the presence of chlorine and the results recorded on the saltwater carboy log sheet. If chlorine is present, two 4-inch airstones (adjusted to a moderately heavy air flow) should be introduced and the water aerated until a level of <0.01 mg/L is reached.
- 6.3 A sufficient amount of synthetic salt is added to the carboy to obtain the required salinity (usually 20 ppt).
- 6.4 All information should be logged on the Saltwater Carboy log sheet.

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Standard Operating Procedure

032

Document Title: Culture of *Daphnia*
Method Reference: CT&E/USEPA
Document File Name: 7006-05.DOC
Revision Number: 5.0
Effective Date: March 12, 2001

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Document Control Number: 7006

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Approved by: Ken Halliday 3/23/2001
Supervisor Date

Approved by: John M. Work 3/23/2001
QA/QC Officer Date

1.0 Summary

This document describes the procedure for the culture of *Ceriodaphnia dubia*, *Daphnia pulex*, *Daphnia magna* that are used in aquatic toxicity testing.

2.0 Mass Stock Cultures of *Ceriodaphnia dubia*, *Daphnia pulex*, and *Daphnia magna*

- 2.1 Stock cultures are maintained in 1000 ml beakers/jars with 900 mls of culture media at $20 \pm 1^\circ$ C. These cultures are maintained only as a back-up source of organisms.
- 2.2 Culture media for *Ceriodaphnia dubia* and *Daphnia pulex* is moderately-hard synthetic water. Culture media for *Daphnia magna* is hard synthetic water (see document control number 7005.04, "Culture Waters for Aquatic Toxicity Testing").
- 2.3 Many cultures are maintained simultaneously with an informal rotation cycle. New cultures are started with young produced by individual cultures. These cultures are maintained for approximately 3 weeks after which they are discarded.
- 2.4 Cultures are fed YCT (yeast, cerophyll, digested trout chow/flake food) and algae (*Selenastrum capricornium*) on Monday, Wednesday and Friday. Feeding, as well as culture rotation, temperature and all other relevant data is recorded by species in a log book.
- 2.5 Stock cultures are also fed algae and YCT. These feedings are recorded in the log book.

3.0 Individual Cultures of *Ceriodaphnia dubia*, *Daphnia pulex*, *Daphnia magna*

- 3.1 Cultures of *Daphnia magna* and *Daphnia pulex* are maintained in 100 ml plastic beakers. Twenty-four (24) beakers with one organism each are kept at all times to ensure continuous availability of neonates for testing. Cultures of individual *Ceriodaphnia dubia* are maintained in 30 ml sterile plastic medicine cups. One to two cultures of approximately 100 organisms each are kept at all times.

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Standard Operating Procedure

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Document Title: Culture of *Daphnia*
Method Reference: CT&E/USEPA
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3.2 Cultures are renewed three times per week. Organisms are fed daily.

4.0 Obtaining Neonates for Testing

4.1 Cultures of *Ceriodaphnia* are started by placing one neonate into a 30 ml disposable plastic cup containing approximately 20 ml of Moderately Hard Synthetic Water. New *Ceriodaphnia* cultures are started every ten to fourteen days. *D. magna* and *D. pulex* are replaced whenever mortality occurs.

4.2 The individual cultures are transferred to fresh media three times per week. Synthetic water, algae and YCT are mixed prior to pouring into culture vessel to ensure uniformity of media. The old media and neonates are kept for stock cultures for several weeks and then discarded.

4.3 To assure neonates for chronic tests are of a very similar age, transfer of individual brood stock to fresh media should be made the morning of the test. The cultures are then checked approximately every two hours to find an adequate number of neonates all released with an 8 hour period. For acute tests, individuals are either transferred less than 24 hours before a test or the young are separated from adults less than 24 hours before a test.

4.4 Young used in chronic testing are obtained from adults who have produced at least three broods, with no less than 8 neonates in their third or subsequent brood. Neonates are then distributed in a "blocking" procedure, i.e., neonates from the same organism are placed in one replication of each concentration.

5.0 DAPHNIA Food

5.1 Digested Flake Food

5.1.1 Add 5g flake food to 1 L deionized water. Mix well in a blender and place in a 2 L separatory funnel. To digest, aerate this mixture at room temperature for one week.

5.1.2 At end of the digestion period, remove aeration and allow to settle.

5.1.3 Drain sediment. Place supernatant in a beaker and allow to settle in refrigerator overnight.

5.1.4 Filter through fine mesh.

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Document Title: Culture of *Daphnia*
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5.2 Cerophyll®

- 5.2.1 Add 5g Cerophyll® to 1 L deionized water. Mix in a blender on high speed for 5 minutes.
- 5.2.2 Remove from blender and allow to settle in refrigerator overnight.
- 5.2.3 Retain supernatant for combined YCT food.

5.3 Yeast

- 5.3.1 Add 5g dry yeast to 1 L deionized water. Mix in a blender at low speed.
- 5.3.2 Do not allow mixture to settle.

5.4 Combined YCT Food

- 5.4.1 Mix equal parts of each of the above preparations in large clean beakers.
- 5.4.2 Pour well mixed YCT into small screw cap bottles. Freeze until needed.

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Document Title: Reference Toxicant Testing
Method Reference: CT&E/USEPA
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Document Control Number: 7008

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Approved by: Ken Holliday
Supervisor

3/23/2001
Date

Approved by: [Signature]
QA/QC Officer

3/23/2001
Date

1.0 Summary

To insure that healthy organisms are used in testing, CT&E performs monthly QA/QC tests on all in-house cultured organisms. CT&E uses Sodium Chloride as a reference toxicant.

2.0 *Pimephales promelas*

- 2.1 48 hour static acute toxicity tests are run at 20°C ($\pm 1^\circ\text{C}$) using fish 1 to 14 days old.
- 2.2 This test consists of a control and a dilution series of 10g/L, 9g/L, 8g/L, 7g/L, and 6g/L, of sodium chloride. Other dilution series may be used.
- 2.3 The dilutions are prepared in 800 ml disposable plastic beakers using moderately hard synthetic water. 500 mls of test solution is placed in each of two replications. Water quality values are measured and recorded at this time.
- 2.4 Ten organisms are placed in each replicate. Fish are loaded by first siphoning them into a shallow pan from which they are transferred to the beakers with a large bore pipette.
- 2.5 The test is terminated at 48 hours. At this time, mortalities are recorded along with final water quality data.

3.0 Daphnids (*Ceriodaphnia dubia*, *Daphnia magna*, *Daphnia pulex*)

- 3.1 48 hour static acute tests are performed at 25°C ($\pm 1^\circ\text{C}$) using organisms less than 24 hours old.
- 3.2 These tests consist of a control and a five dilution series. The concentration of the reference toxicant is varied depending on species.
 - 3.2.1 *Ceriodaphnia dubia*, *Daphnia pulex*: 10, 5, 2.5, 1.25, 0.625 grams/L

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Standard Operating Procedure

036

Document Title: Reference Toxicant Testing
Method Reference: CT&E/USEPA
Document File Name: 7008-05.DOC
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3.2.2 *Daphnia magna*: 10, 5, 2.5, 1.25, 0.625 grams/L

- 3.3 Dilutions are prepared using moderately hard synthetic water. 20 mls of each dilution are placed in each of 5 plastic medicine cups.
- 3.4 Four organisms are placed in each test vessel. The *Daphnids* are loaded with a disposable plastic pipette. Organisms are gently released below the surface of the water to minimize risk of injury.
- 3.5 The test is terminated at 48 hours. At this time, mortalities are recorded along with final water quality data.

4.0 Data Analysis

- 4.1 Toxicity tests are conducted on a monthly basis.
- 4.2 The LC₅₀ is calculated according to EPA protocols.
- 4.3 Results from these tests are incorporated into Q-sum charts. These records are kept in monthly files.

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Standard Operating Procedure

057

Document Title: Sample Handling for Aquatic Toxicity Testing
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Approved by: *Ken Holliday*
Supervisor

10/21/98
Date

Approved by: *Judith M. U. Davis*
QA/QC Officer

10/20/98
Date

1.0 Summary

This document describes the manner in which sample waters (effluents, wastewaters, etc.) are handled from point of collection to testing.

2.0 Sample Handling

2.1 Sampling Personnel

CT&E's sampling personnel are trained and experienced in the techniques for collecting samples according to NPDES permit requirements. This includes the use of automatic sampling equipment and the measurement of various field parameters.

2.2 Sample Containers

Sample containers used by CT&E are disposable plastic cubitainers®.

2.3 Sample Collection Points

For NPDES permit required tests, the sample will be collected at the point specified in the discharge permit unless otherwise directed by the regulatory agency.

2.4 Sample Shipment

Samples are placed on ice (sufficient to maintain 0-4°C) in a cooler and are transported as quickly as possible to the laboratory.

2.5 Laboratory Handling of Samples

Upon delivery to the laboratory, the effluent samples are inspected, given a sample control number and stored at 4° C until used for testing.

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Standard Operating Procedure

Document Title: Sample Handling for Aquatic Toxicity Testing
Method Reference: CT&E/USEPA
Document File Name: 7009-04.DOC
Revision Number: 4.0
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2.6 Sample Holding Time

Samples will be tested within 24 hours upon receipt in the laboratory. The maximum lapsed time for collection of a grab or composite sample and the initiation of test, or for test solution renewal, will not exceed 36-hours for Chronic and Acute Testing.

3.0 LABORATORY ENVIRONMENT

3.1 Laboratory Arrangement

The aquatic toxicity testing laboratory is divided into two separate areas: (1) the culturing laboratory and (2) the testing laboratory. See attached diagram for details of laboratory layout.

3.2 Temperature

The aquatic toxicity testing laboratory air temperature is maintained at $20 \pm 1^\circ \text{C}$ throughout the year by a central heating and cooling system which is regulated by thermostats. Temperatures are continuously recorded by thermographs.

3.3 Water

Several waters are available for use in the laboratory. CT&E has access to municipally supplied water, well water and reagent water from which synthetic water is prepared. Waters used for culturing and testing are analyzed semiannually for priority pollutants and other contaminants. A detailed report is available.

3.4 Lighting

Ambient laboratory lighting is regulated with a 16 hour day/8 hour night photoperiod controlled by an electronic timing system in the culturing and testing areas.

4.0 LABORATORY EQUIPMENT

4.1 General

Instruments used for the measurement of physical and chemical parameters are calibrated prior to use in testing. Any instrument that exceeds the calibration limits is taken out of service and corrective action is taken.

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Standard Operating Procedure

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Document Title: Sample Handling for Aquatic Toxicity Testing
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4.2 Balances

Analytical balances are calibrated against standard weights prior to use. All calibration results and adjustments are recorded in bound books.

4.3 Water Quality Meters

Meters are calibrated prior to use using known standards and the manufacturer's instructions. Records of calibration are kept in logbooks. Detailed procedures for the operation of these meters are found in SOP's for each specific instrument.

4.4 Reagents

All reagents are stored in a separate area. Expired reagents and chemicals are discarded.

4.5 Test Containers

All test containers are either clean reusable glassware or new, disposable plastic beakers.

5.0 EQUIPMENT CLEANING PROCEDURES

5.1 Equipment used in culturing or testing is washed in the following manner:

- 5.1.1 Soak 15 minutes and scrub with detergent in tap water.
- 5.1.2 Rinse three times with tap water.
- 5.1.3 Rinse once with 20% nitric acid.
- 5.1.4 Rinse twice with deionized water.
- 5.1.5 Rinse once with full-strength, pesticide-grade acetone.
- 5.1.6 Rinse well with deionized water.
- 5.1.7 Invert and air dry.
- 5.1.8 All equipment and test chambers are rinsed with deionized water immediately prior to use for each test.

NPDES Permit No. MA000 3891
SGS ID number: TA4-E0-P098
May 14, 2004

Appendix II
Chain of Custody

Chain of Custody Record
General Electric Co.

100 Woodlawn Ave. Pittsfield, MA 01201

Chain of Custody #: 086050504

Dry Weather Acute Aquatic Toxicity for May 2004

TAY-20-P098-001/2

Project # NPDES PERMIT	Analytical Lab: C&E Environmental Services Inc.	Sampled By: (Print) <u>Mark Wasniewsky</u>	Parameters to be Analyzed	Preservative	Remarks
Sample #	Date	Time	Containers		
1 A5625C	5/4 to 5/5/04	1100 AM	1 Gallon plastic	Chilled	(See below)
1 A5625C	5/4 to 5/5/04	1100 AM	1000 mL plastic	Chilled	
1 A5625C	5/4 to 5/5/04	1100 AM	500 ml. plastic	H2SO4	

2 A5624R	5/5/04	730 AM	1 Gallon plastic	Chilled	Housatonic River water
2 A5624R	5/5/04	730 AM	1000 ml. plastic	Chilled	dilution water for definitive test
2 A5624R	5/5/04	730 AM	500 ml. plastic	H2SO4	Total Phosphorus, TOC, NH3

Relinquished By: <u>Mark Wasniewsky</u>	Date/Time 5-5-04	Received By: <u>[Signature]</u>	Date/Time 5/5/04	Date/Time 5/6/04 0900	5.6°
Relinquished By: <u>[Signature]</u>	Date/Time 14:00	Received By: <u>[Signature]</u>	Date/Time 5-5-04	Date/Time 14:30	5-5-04
<p>Additional Comments: The effluent sample being analyzed for toxicity is a flow-proportioned composite. Each outfall sample is a 24-hour composite. The sample collection times for each outfall are as follows: 001- 8:00 AM 004 ✓ 005-64T- 7:00 AM 005-64G- 7:00 AM 007- ✓ 09A- 7:45 AM 09B- 7:45 AM</p>					
<p>The time of compositing the final flow-proportioned sample was <u>1100</u> A.M.</p>					

Appendix III
Bench Data

General Electric - 48-hour Acute Biotoxicity Bench Sheet

Client: General Electric

Project:

Lab. No.: JAA-150-P098-001/002

Date Received: 5/6/04

Sample Date: 5/4-5/04 Time: 11:00

Date Analyzed: 5/6/04

Source: EFFLUENT Analyst(s): KH

Source of dilution water: Housatonic River Water

Test Species: Daphnia pulex Age: <24 hours Temp. Range: °C

Type of Test: 48-Hour Static Acute

Total Chlorine: n/d

Date:	5/6/04	Beginning	Ending
Time:	1130		

Concentration →	Housatonic River Control	MHSW Control	MHSW Na ₂ S ₂ O ₃ Control	Effluent 5%	Effluent 15%	Effluent 35%	Effluent 50%	Effluent 75%	Effluent 100%
START									
Temperature	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
Hardness	110	110	110						300
D.O.	8.71	8.94	8.94	8.73	8.74	8.82	8.86	8.84	8.86
pH	6.44	7.04	7.10	6.63	6.81	7.04	7.22	7.34	7.51
Alkalinity	46	73	72						212
Sp. Conduct.	172	324	334	238	304	447	574	824	898
24 HOUR									
No. Surviving	20	20	20	20	20	20	20	20	20
Temperature	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
D.O.	8.62	8.74	8.78	8.68	8.60	8.70	8.77	8.69	8.68
pH	6.51	7.12	7.14	6.72	6.94	7.09	7.31	7.41	7.62
Sp. Conduct.	184	332	330	251	310	458	571	834	910
48 HOUR									
No. Surviving	20	20	20	20	20	20	20	20	20
Temperature	20.2	20.1	20.2	20.2	20.2	20.2	20.2	20.6	20.2
D.O.	8.48	8.61	8.64	8.52	8.51	8.59	8.62	8.58	8.57
pH	6.56	7.18	7.20	6.77	6.99	7.12	7.34	7.49	7.57
Sp. Conduct.	194	326	324	260	322	442	563	880	905

Method Reference: Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms., Fourth Edition. EPA-600/4-90/027F. U.S.EPA. Cincinnati, Ohio.

Acute Biotoxicity Bench Sheet

Client: QC
 Project: Reference Toxicant Lab. No.: _____
 Date Received: _____
 Sample Date: _____ Time: _____ Date Analyzed: _____
 Source: NaCl Analyst: KH
 Source of dilution water: Moderately Hard Synthetic Water
 Test Species: Daphnia pulex Age: < 24 hours Temp. Range: _____ °C
 Type of Test: 48 hour static Acute

Total Chlorine: _____

	Beginning	Ending
Date:	5/6/04	5/8/04
Time:	1300	1300

Concentration	Control	625	1250	2500	5000	10000
START						
Temperature	20.2	20.2	20.2	20.2	20.2	20.2
Hardness	110					130
D.O.	8.9	8.9	8.9	8.9	8.9	8.9
pH	7.0	7.0	7.1	7.1	7.2	7.2
Alkalinity	71					77
Sp. Conduct.	338	1228	2296	3480	6940	11250
24 HOUR						
Temperature	20.1	20.1	20.1	20.1	20.1	20.1
No. Surviving	20	20	18	13	8	0
48 HOUR						
Temperature	19.9	19.9	19.9	19.9	19.9	19.9
No. Surviving	20	20	17	7	0	0

Note: All results expressed in mg/L unless otherwise designated. < = less than

Note: Number in parenthesis equals number not adversely effected (EC₅₀). This number is used in calculating EC₅₀ value.

Note: Due to fragile structure of *Daphnia* organisms, dissolved oxygen (DO), hardness, alkalinity, specific conductance, and pH reading could not be taken after the organisms are added to the sample. Doing so would cause injury to the organisms.

Method Reference: *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine*

FOR REFERENCE, CITE:

HAMILTON, M.A., R.C. RUSSO, AND R.V. THURSTON, 1977.
 TRIMMED SPEARMAN-KARBER METHOD FOR ESTIMATING MEDIAN
 LETHAL CONCENTRATIONS IN TOXICITY BIOASSAYS.
 ENVIRON. SCI. TECHNOL. 11(7): 714-719;
 CORRECTION 12(4):417 (1978).

DATE: 5/6/04
 CHEMICAL: NaCl

TEST NUMBER: -

DURATION: 48 HOURS
 SPECIES: D. PULEX

RAW DATA:

CONCENTRATION (MG/L)	625.00	1250.00	2500.00	5000.00	*****
NUMBER EXPOSED:	20	20	20	20	20
MORTALITIES:	0	3	13	20	20
SPEARMAN-KARBER TRIM:	0.00%				

SPEARMAN-KARBER ESTIMATES: LC50: 2030.63
 95% LOWER CONFIDENCE: 1688.18
 95% UPPER CONFIDENCE: 2442.55

Appendix IV
U.S. EPA Region I Toxicity Test Summary

Toxicity Test Summary Sheet

047

Facility Name: General Electric Co. Test Start Date: May 06, 2004
NPDES Permit Number: MA 000 3891 Pipe Number: 001, 005-64T, 005-64G,
09A, 09B

Test Type	Test Species	Sample Type	Sample Method
<input checked="" type="checkbox"/> Acute	<input type="checkbox"/> Fathead minnow	<input type="checkbox"/> Prechlorinated	<input type="checkbox"/> Grab
<input type="checkbox"/> Chronic	<input type="checkbox"/> Ceriodaphnia	<input type="checkbox"/> Dechlorinated	<input checked="" type="checkbox"/> Composite
<input type="checkbox"/> Modified*	<input checked="" type="checkbox"/> Daphnia pulex	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Flowthru
<input type="checkbox"/> 24-hour Screening	<input type="checkbox"/> Mysid Shrimp	<input type="checkbox"/> Spiked at lab	<input type="checkbox"/> Other
	<input type="checkbox"/> Menidia	<input checked="" type="checkbox"/> Chlorinated on-site	
	<input type="checkbox"/> Sea Urchin	<input type="checkbox"/> Unchlorinated	
	<input type="checkbox"/> Champia		
	<input type="checkbox"/> Selenastrum		
	<input type="checkbox"/> other		

*Modified (Chronic reporting acute values)

Dilution Water

- Receiving waters collected at a point upstream of or away from the discharge, free from toxicity or other sources of contamination (Receiving water name: Housatonic River);
- Alternate surface water of known quality and a harness, etc. to generally reflect the characteristics of the receiving water;
- Synthetic water prepared using either Millipore Mill-Q or equivalent deionized water and reagent grade chemicals; or deionized water combined with mineral water; or artificial sea salts mixed with deionized water;
- Deionized water and hypersaline brine; or
- other

Effluent sampling date(s): May 04, 2004 to May 05, 2004

Effluent concentrations tested (in %): 100 75 50 35 15 5
*(Permit limit concentration): N/A

Was effluent salinity adjusted? No
If yes, to what value? N/A ppt
With sea salts? N/A Hypersaline brine solution? N/A

Actual effluent concentrations tested after salinity adjustment
(in %): N/A N/A N/A N/A N/A N/A
Reference Toxicant Test Date: May 06, 2004 to May 08, 2004

N/A= not applicable

Permit Limits & Test Results

Test Acceptability Criteria

MEAN CONTROL SURVIVAL: 100% MEAN CONTROL REPRODUCTION: N/A
 MEAN CONTROL WEIGHT: N/A MEAN CONTROL CELL COUNT: N/A

Limits		Results	
LC50	<u>N/A</u>	48-hr LC50	<u>>100%</u>
		Upper Value	<u>N/A</u>
		Lower Value	<u>N/A</u>
		Data Analysis Method used:	<u>N/A</u>
A-NOEC	<u>N/A</u>	A-NOEC	<u>100%</u>
C-NOEC	<u>N/A</u>	C-NOEC	<u>N/A</u>
		LOEC	<u>N/A</u>
IC25	<u>N/A</u>	IC25	<u>N/A</u>
IC50	<u>N/A</u>	IC50	<u>N/A</u>

N/A = not applicable