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

Transmitted via Overnight Courier

December 9, 2004

Mr. Dean Tagliaferro
U.S. Environmental Protection Agency
Region I – New England
10 Lyman Street, Suite 2
Pittsfield, MA 01201

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 November 2004 (GECD900)

Dear Mr. Tagliaferro and Ms. Steenstrup:

Enclosed are copies of General Electric's (GE's) monthly progress report for November 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 November 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 / for

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

Enclosure
V:\GE_Pittsfield_General_Confidential\Reports and Presentations\Monthly Reports\2004\11-04 CD Monthly-Draft\Cover Letter.doc

cc: Robert Cianciarulo, EPA (cover letter only)
Tim Conway, EPA (cover letter only)
James DiLorenzo, EPA
William Lovely, EPA (Items 7, 8, 9, 10, 11, 12, 16/17, 22, 23, and 25 only)
Rose Howell, EPA (cover letter only)
Holly Inglis, EPA (hard copy and CD-ROM of report)
Susan Svirsky, EPA (Items 7, 15, and 20 only)
K.C. Mitkevicius, USACE (CD-ROM of report)
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, 14, and 15 only)
Dale Young, MA EOEA
Mayor James Ruberto, City of Pittsfield
Thomas Hickey, Director, Pittsfield Economic Development Authority
Linda Palmieri, Weston (hard copy of report, CD-ROM of report, CD-ROM of data)
Richard Nasman, P.E., Berkshire Gas (CD-ROM of report)
Michael Carroll GE (CD-ROM of report)
Andrew Silfer, GE (cover letter only)
Rod McLaren, GE (CD-ROM of report)
James Nuss, BBL
James Bieke, Goodwin Procter
Jim Rhea, QEA (narrative only)
Teresa Bowers, Gradient
Public Information Repositories (5 copies of CD-ROM)
GE Internal Repository (2 copies)

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

NOVEMBER 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
(GECD900)
NOVEMBER 2004

a. Activities Undertaken/Completed

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

- Attended Pittsfield Citizens Coordinating Council (CCC) meeting (November 3, 2004).

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 October 1 through October 31, 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 November 2004)* was prepared for GE by SGS Environmental Services, Inc. (SGS). A copy of that report is provided in Attachment C.

c. Work Plans/Reports/Documents Submitted

Submitted November 2004 DMRs and October 2004 Acute and Chronic Toxicity Reports (November 20, 2004).

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

- Attend public, CCC, and PEDA meetings as appropriate.

- Continue NPDES sampling and monitoring activities.

- Continue discussions with EPA, MDEP, and the Pittsfield Economic Development Authority (PEDA) regarding a revised NPDES permit.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Issues relating to a revised NPDES permit are under discussion.

f. Proposed/Approved Work Plan Modifications

None

ITEM 1
PLANT AREA
20s, 30s, 40s COMPLEXES
(GECD120)
NOVEMBER 2004

a. Activities Undertaken/Completed

- Continued discussions with EPA, MDEP, and PEDA regarding land transfer issues for the 20s and 30s Complexes.
- Received Agency comment letters for Draft Final Completion Reports for 20s and 30s Complexes (November 18, 2004).*
- Continued pre-demolition activities at Buildings 42, 43/43-A, and 44.
- Continued oil monitoring in Building 43 elevator shaft; no recoverable quantities were encountered (see Item 21.a).
- Conducted on-site meetings with Massachusetts Department of Labor to review and verify removal of asbestos-containing materials from the 40s Complex.
- Conducted miscellaneous sampling, as identified in Table 1-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

- Submitted final Soil Data Compilation Report for 30s Complex (November 2, 2004).*
- Submitted letter for decommissioning of elevator shaft in Building 43 (November 5, 2004).

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

- Continue pre-demolition activities (including asbestos abatement) at Buildings 42, 43/43-A, and 44.
- Initiate contractor selection process for demolition of Buildings 42, 43/43A, and 44.
- Submit final Grants of Environmental Restrictions and Easements (EREs) for 20s and 30s Complexes following receipt of final EPA and MDEP comments on latest draft EREs.*
- Submit Final Completion Reports for 20s and 30s Complexes after EREs are approved by EPA, accepted by MDEP, and recorded, and after final pre-certification inspection is held.*

ITEM 1
(cont'd)
PLANT AREA
20s, 30s, 40s COMPLEXES
(GECD120)
NOVEMBER 2004

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

- Complete transfer of 20s and 30s Complexes to PEDA following receipt of all necessary Agency approvals and resolution of remaining issues.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

See above item regarding transfer of 20s and 30s Complexes to PEDA.

f. Proposed/Approved Work Plan Modifications

None

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Building 78 Oil Drum Sampling	78-A2928-OIL-1	11/4/04	Oil	SGS	PCB	11/11/04

TABLE 1-2
PCB DATA RECEIVED DURING NOVEMBER 2004

BUILDING 78 OIL 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, - 1254	Aroclor-1260	Total PCBs
78-A2928-OIL-1	11/4/2004	ND(4.0)	50	50

Notes:

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

ITEM 2
PLANT AREA
EAST STREET AREA 2-SOUTH
(GECD150)
NOVEMBER 2004

a. Activities Undertaken/Completed

- Completed pre-demolition activities at the 60s Complex.
- Continued demolition activities at the 60s Complex.
- Continued ambient air monitoring for PCBs and particulate matter around the 60s Complex.
- Performed sludge sampling at Building 64T and Liquid Phase Carbon Absorption (LPCA) sampling at Building 64G, as identified in Table 2-1.
- Tankered and transported 3,000 gallons of water from Buildings 61, 61R, and 61S to Building 64G for treatment.
- Continued preparation of survey plan to be part of ERE for City Recreational Area (CRA).*

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/or 64T.
- Submit revised draft ERE for CRA to EPA and MDEP.*
- Continue demolition activities at the 60s Complex.
- Initiate additional sampling activities proposed in Interim Letter Report (submitted October 22, 2004) following EPA approval.

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 NOVEMBER 2004

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
64G LPCA Monitoring	K4-64G-01	11/9/04	Water	SGS	VOC	11/17/04
64G LPCA Monitoring	K4-64G-02	11/9/04	Water	SGS	SVOC	11/17/04
64G LPCA Monitoring	K4-64G-03	11/9/04	Water	SGS	PCB	11/17/04
64G LPCA Monitoring	K4-64G-04	11/9/04	Water	SGS	Oil & Grease	11/17/04
64G LPCA Monitoring	K4-64G-05	11/9/04	Water	SGS	VOC	11/17/04
64G LPCA Monitoring	K4-64G-06	11/9/04	Water	SGS	SVOC	11/17/04
64G LPCA Monitoring	K4-64G-07	11/9/04	Water	SGS	PCB	11/17/04
64G LPCA Monitoring	K4-64G-08	11/9/04	Water	SGS	Oil & Grease	11/17/04
64G LPCA Monitoring	K4-64G-09	11/9/04	Water	SGS	VOC	11/17/04
64G LPCA Monitoring	K4-64G-10	11/9/04	Water	SGS	SVOC	11/17/04
64G LPCA Monitoring	K4-64G-11	11/9/04	Water	SGS	PCB	11/17/04
64G LPCA Monitoring	K4-64G-12	11/9/04	Water	SGS	Oil & Grease	11/17/04
64G LPCA Monitoring	K4-64G-13	11/9/04	Water	SGS	VOC	11/17/04
64G LPCA Monitoring	K4-64G-14	11/9/04	Water	SGS	SVOC	11/17/04
64G LPCA Monitoring	K4-64G-15	11/9/04	Water	SGS	PCB	11/17/04
64G LPCA Monitoring	K4-64G-16	11/9/04	Water	SGS	Oil & Grease	11/17/04
Building 64T Sludge Sampling	K4-64T-01	11/4/04	Sludge	SGS	PCB	11/15/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	11/1/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	11/1/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	11/1/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	11/1/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	11/1/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	11/2/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	11/2/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	11/2/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	11/2/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	11/2/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	11/3/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	11/3/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	11/3/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	11/3/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	11/3/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	11/4/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	11/4/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	11/4/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	11/4/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	11/4/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	11/8/04	Air	Berkshire Environmental	Particulate Matter	11/23/04

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	11/8/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	11/8/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	11/8/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	11/8/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	11/9/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	11/9/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	11/9/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	11/9/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	11/9/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	11/10/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	11/10/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	11/10/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	11/10/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	11/10/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	11/11/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	11/11/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	11/11/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	11/11/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	11/11/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	11/15/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	11/15/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	11/15/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	11/15/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	11/15/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	11/16/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	11/16/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	11/16/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	11/16/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	11/16/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	11/17/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	11/17/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	11/17/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	11/17/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	11/17/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	11/18/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	11/18/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	11/18/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	11/18/04	Air	Berkshire Environmental	Particulate Matter	11/23/04

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	11/18/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	11/22/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	11/22/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	11/22/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	11/22/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	11/22/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	11/23/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	11/23/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	11/23/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	11/23/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	11/23/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	11/29/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	11/29/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	11/29/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	11/29/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	11/29/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	11/30/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	11/30/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	11/30/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	11/30/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	11/30/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
PCB Ambient Air Sampling	Northeast of 60s Complex	11/16-11/17/04	Air	Berkshire Environmental	PCB	11/29/04
PCB Ambient Air Sampling	Northwest of 60s Complex	11/16-11/17/04	Air	Berkshire Environmental	PCB	11/29/04
PCB Ambient Air Sampling	Northwest of 60s Complex Co-located	11/16-11/17/04	Air	Berkshire Environmental	PCB	11/29/04
PCB Ambient Air Sampling	Southwest of 60s Complex	11/16-11/17/04	Air	Berkshire Environmental	PCB	11/29/04
PCB Ambient Air Sampling	Southeast of 60s Complex	11/16-11/17/04	Air	Berkshire Environmental	PCB	11/29/04
PCB Ambient Air Sampling	Background Inside GE Gate 31	11/16-11/17/04	Air	Berkshire Environmental	PCB	11/29/04

TABLE 2-2
PCB DATA RECEIVED DURING NOVEMBER 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
K4-64T-01	11/4/2004	ND(10)	88	58	146

Notes:

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

TABLE 2-3
DATA RECEIVED DURING NOVEMBER 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:	K4-64G-01 11/09/04	K4-64G-02 11/09/04	K4-64G-03 11/09/04	K4-64G-04 11/09/04	K4-64G-05 11/09/04	K4-64G-06 11/09/04	K4-64G-07 11/09/04	K4-64G-08 11/09/04
Volatile Organics								
1,1,1-Trichloroethane	ND(0.025)	NA	NA	NA	0.0042 J	NA	NA	NA
1,1-Dichloroethane	ND(0.025)	NA	NA	NA	0.0028 J	NA	NA	NA
Benzene	0.042	NA	NA	NA	ND(0.0050)	NA	NA	NA
Chlorobenzene	0.22	NA	NA	NA	ND(0.0050)	NA	NA	NA
Ethylbenzene	0.048	NA	NA	NA	ND(0.0050)	NA	NA	NA
PCBs-Unfiltered								
Aroclor-1254	NA	NA	0.00020	NA	NA	NA	0.000039 J	NA
Aroclor-1260	NA	NA	ND(0.000065)	NA	NA	NA	ND(0.000065)	NA
Total PCBs	NA	NA	0.00020	NA	NA	NA	0.000039 J	NA
Semivolatile Organics								
1,2,4-Trichlorobenzene	NA	0.0031 J	NA	NA	NA	ND(0.010)	NA	NA
1,3-Dichlorobenzene	NA	0.0034 J	NA	NA	NA	ND(0.010)	NA	NA
1,4-Dichlorobenzene	NA	0.0073 J	NA	NA	NA	ND(0.010)	NA	NA
Acenaphthene	NA	0.031	NA	NA	NA	ND(0.010)	NA	NA
Fluorene	NA	0.0051 J	NA	NA	NA	ND(0.010)	NA	NA
Naphthalene	NA	0.019	NA	NA	NA	ND(0.010)	NA	NA
Conventionals								
Oil & Grease	NA	NA	NA	ND(5.0)	NA	NA	NA	ND(5.0)

TABLE 2-3
DATA RECEIVED DURING NOVEMBER 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:	K4-64G-09 11/09/04	K4-64G-10 11/09/04	K4-64G-11 11/09/04	K4-64G-12 11/09/04	K4-64G-13 11/09/04	K4-64G-14 11/09/04	K4-64G-15 11/09/04	K4-64G-16 11/09/04
Volatile Organics								
1,1,1-Trichloroethane	ND(0.0050)	NA	NA	NA	ND(0.0050)	NA	NA	NA
1,1-Dichloroethane	0.0025 J	NA	NA	NA	0.0025 J	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	0.00011	NA	NA	NA	ND(0.000065)	NA
Aroclor-1260	NA	NA	0.00013	NA	NA	NA	ND(0.000065)	NA
Total PCBs	NA	NA	0.00024	NA	NA	NA	ND(0.000065)	NA
Semivolatile Organics								
1,2,4-Trichlorobenzene	NA	ND(0.010)	NA	NA	NA	ND(0.010)	NA	NA
1,3-Dichlorobenzene	NA	ND(0.010)	NA	NA	NA	ND(0.010)	NA	NA
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
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	ND(5.0)	NA	NA	NA	ND(5.0)

Notes:
1. Samples were collected by General Electric Company and submitted to SGS 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 (volatiles, PCBs, semivolatiles)
J - Indicates an estimated value less than the practical quantitation limit (PQL).

TABLE 2-4
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING NOVEMBER 2004

60s COMPLEX DEMOLITION ACTIVITIES
EAST STREET AREA 2 - SOUTH
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
11/01/04	Northeast of 60s Complex	0.005	0.006*	11:15	NW, WNW
	Northwest of 60s Complex	0.004		11:15	
	Southwest of 60s Complex	0.008*		11:15	
	Southeast of 60s Complex	0.104		11:15	
11/02/04	Northeast of 60s Complex	0.016	0.011*	11:15	Calm
	Northwest of 60s Complex	0.013		11:15	
	Southwest of 60s Complex	0.016*		11:15	
	Southeast of 60s Complex	0.062		11:15	
11/03/04	Northeast of 60s Complex	0.009	0.005*	11:00	NW, NNW
	Northwest of 60s Complex	0.004		11:00	
	Southwest of 60s Complex	0.010*		11:00	
	Southeast of 60s Complex	0.102		11:00	
11/04/04	Northeast of 60s Complex	0.037	0.017*	8:15[1]	Calm
	Northwest of 60s Complex	0.024		8:30[1]	
	Southwest of 60s Complex	0.023*		8:15[1]	
	Southeast of 60s Complex	0.016		8:15[1]	
11/05/04[2]	Northeast of 60s Complex	NA	NA	NA	NA
	Northwest of 60s Complex				
	Southwest of 60s Complex				
	Southeast of 60s Complex				
11/08/04	Northeast of 60s Complex	0.004	0.008*	10:30	WNW, NW
	Northwest of 60s Complex	0.006		10:45	
	Southwest of 60s Complex	0.029*		10:30	
	Southeast of 60s Complex	0.025*		10:30	
11/09/04	Northeast of 60s Complex	0.003	0.003*	11:15	WNW, NW
	Northwest of 60s Complex	0.007		11:15	
	Southwest of 60s Complex	0.013*		11:15	
	Southeast of 60s Complex	0.015*		11:15	
11/10/04	Northeast of 60s Complex	0.039	0.009*	11:00	Calm
	Northwest of 60s Complex	0.030		11:00	
	Southwest of 60s Complex	0.012*		10:45	
	Southeast of 60s Complex	0.010*		10:45	
11/11/04	Northeast of 60s Complex	0.062	0.012*	10:45	SW
	Northwest of 60s Complex	0.035		11:00	
	Southwest of 60s Complex	0.015*		10:45	
	Southeast of 60s Complex	0.017*		10:45	
11/12/04[2]	Northeast of 60s Complex	NA	NA	NA	NA
	Northwest of 60s Complex				
	Southwest of 60s Complex				
	Southeast of 60s Complex				
11/15/04	Northeast of 60s Complex	0.057	0.027*	11:00	NW, WNW
	Northwest of 60s Complex	0.021		11:00	
	Southwest of 60s Complex	0.019*		10:45	
	Southeast of 60s Complex	0.036*		10:45	
11/16/04	Northeast of 60s Complex	0.083	0.050*	11:00	Calm
	Northwest of 60s Complex	0.039		11:15	
	Southwest of 60s Complex	0.048*		11:15	
	Southeast of 60s Complex	0.032*		11:15	

TABLE 2-4
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING NOVEMBER 2004

60s COMPLEX DEMOLITION ACTIVITIES
EAST STREET AREA 2 - SOUTH
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
11/17/04	Northeast of 60s Complex	0.107	0.040*	10:45	Calm
	Northwest of 60s Complex	0.044		11:00	
	Southwest of 60s Complex	0.030*		10:45	
	Southeast of 60s Complex	0.025*		10:45	
11/18/04	Northeast of 60s Complex	0.064	0.030*	11:15	Calm
	Northwest of 60s Complex	0.034		11:15	
	Southwest of 60s Complex	0.023*		11:00	
	Southeast of 60s Complex	0.023*		11:00	
11/19/04[2]	Northeast of 60s Complex	NA	NA	NA	NA
	Northwest of 60s Complex				
	Southwest of 60s Complex				
	Southeast of 60s Complex				
11/22/04	Northeast of 60s Complex	0.029	0.021*	10:45	Calm
	Northwest of 60s Complex	0.020		10:45	
	Southwest of 60s Complex	0.040*		10:30	
	Southeast of 60s Complex	0.005*		10:30	
11/23/04	Northeast of 60s Complex	0.051[3]	0.040*	9:00[3]	Calm
	Northwest of 60s Complex	0.032[3]		9:00[3]	
	Southwest of 60s Complex	0.004*		10:45	
	Southeast of 60s Complex	0.034*		10:45	
11/24/04[4]	Northeast of 60s Complex	NA	NA	NA	NA
	Northwest of 60s Complex				
	Southwest of 60s Complex				
	Southeast of 60s Complex				
11/25/04[5]	Northeast of 60s Complex	NA	NA	NA	NA
	Northwest of 60s Complex				
	Southwest of 60s Complex				
	Southeast of 60s Complex				
11/26/04[2]	Northeast of 60s Complex	NA	NA	NA	NA
	Northwest of 60s Complex				
	Southwest of 60s Complex				
	Southeast of 60s Complex				
11/29/04	Northeast of 60s Complex	0.007	0.010*	10:45	NA
	Northwest of 60s Complex	0.005		10:45	
	Southwest of 60s Complex	0.008*		10:45	
	Southeast of 60s Complex	0.007*		10:45	
11/30/04	Northeast of 60s Complex	0.087	0.013*	10:45	NA
	Northwest of 60s Complex	0.015		10:45	
	Southwest of 60s Complex	0.012*		10:45	
	Southeast of 60s Complex	0.014*		10:45	
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] Sampling period was shortened due to precipitation/threat of precipitation.
[2] Sampling was not performed due to lack of site activity.
[3] Morning data discounted due to foggy conditions.
[4] Sampling was not performed due to precipitation/threat of precipitation.
[5] Sampling was not performed due to lack of site activity on the Thanksgiving holiday.

TABLE 2-5
AMBIENT AIR PCB DATA RECEIVED DURING NOVEMBER 2004

60s COMPLEX DEMOLITION ACTIVITIES
EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Date	Northeast of 60s Complex (µg/m^3)	Northwest of 60s Complex (µg/m^3)	Northwest of 60s Complex colocated (µg/m^3)	Southwest of 60s Complex (µg/m^3)	Southeast of 60s Complex (µg/m^3)	Background Inside GE Gate 31 (µg/m^3)
11/16 - 11/17/04	0.0066	0.0034	0.0034	0.0021	0.0027	ND
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05

Note:
ND - Non Detect (<0.0003)

ITEM 3
PLANT AREA
EAST STREET AREA 2-NORTH
(GECD140)
NOVEMBER 2004

a. Activities Undertaken/Completed

- Completed topographic survey in support of future RD/RA activities.
- Tankered and transported 400 gallons of water from Building 11 water main excavation project to Building 64G for treatment.
- Conducted miscellaneous sampling, as identified in Table 3-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

Perform supplemental utility characterization sampling.

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 NOVEMBER 2004

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
12YEDA Carbon Sampling	12YEDA-CARBON-DUP1 (12YEDA-CARBONCF-1)	11/2/04	Carbon	SGS	PCB, VOC, SVOC, TCLP	11/16/04
12YEDA Carbon Sampling	12YEDA-CARBONCF-1	11/2/04	Carbon	SGS	PCB, VOC, SVOC, TCLP	11/16/04
12YEDA Carbon Sampling	12YEDA-CARBONCF-2	11/2/04	Carbon	SGS	PCB, VOC, SVOC, TCLP	11/16/04
12YEDA Clean Water Sampling	12YEDA-CLEANWATER	11/2/04	Water	SGS	PCB, Total Metals, VOC, SVOC	11/10/04
12YEDA Liquid Sludge Sampling	12YEDA-LIQ-SLUDGE	11/2/04	Liquid Sludge	SGS	PCB, Total Metals, VOC, SVOC	11/10/04
12YEDA Sand Filter Sampling	12YEDA-SANDA-B	11/2/04	Sand	SGS	PCB, VOC, SVOC, TCLP	11/16/04
12YEDA Sludge Sampling	12YEDA-SLUDGE	11/2/04	Solid Sludge	SGS	PCB, VOC, SVOC, TCLP	11/16/04

Note:
1. Field duplicate sample locations are presented in parenthesis.

TABLE 3-2
DATA RECEIVED DURING NOVEMBER 2004

12Y EDA SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Matrix: / Date Collected:	12YEDA-CARBONCF-1 / Carbon / 11/02/04	12YEDA-CARBONCF-2 / Carbon / 11/02/04	12YEDA-CLEANWATER / Water / 11/02/04
Volatile Organics				
Acetone		ND(2.5) [ND(2.5)]	ND(2.5)	ND(0.010)
Ethylbenzene		ND(0.12) [ND(0.12)]	ND(0.12)	ND(0.0050)
Iodomethane		ND(0.12) [ND(0.12)]	0.094 J	ND(0.0050)
Styrene		ND(0.12) [ND(0.12)]	ND(0.12)	ND(0.0050)
Toluene		ND(0.12) [ND(0.12)]	ND(0.12)	ND(0.0050)
Xylenes (total)		ND(0.12) [ND(0.12)]	ND(0.12)	ND(0.010)
PCBs				
Aroclor-1254		5.9 [1.7]	12	0.00077
Aroclor-1260		6.6 [2.0]	9.4	0.00061
Total PCBs		12.5 [3.7]	21.4	0.00138
Semivolatile Organics				
1,2,4-Trichlorobenzene		ND(0.67) [ND(0.33)]	ND(0.43)	ND(0.010)
2,4-Dimethylphenol		ND(0.67) [ND(0.33)]	1.7	ND(0.010)
3&4-Methylphenol		ND(0.67) [ND(0.67)]	0.37 J	ND(0.010)
Aniline		ND(0.67) [ND(0.33)]	ND(0.43)	ND(0.010)
Benzo(a)anthracene		ND(0.67) [ND(0.33)]	ND(0.43)	ND(0.010)
bis(2-Ethylhexyl)phthalate		0.42 [ND(0.33)]	1.9	ND(0.0060)
Chrysene		ND(0.67) [ND(0.33)]	ND(0.43)	ND(0.010)
Diethylphthalate		ND(0.67) [ND(0.33)]	0.13 J	ND(0.010)
Dimethylphthalate		ND(0.67) [ND(0.33)]	0.82	ND(0.010)
Fluoranthene		ND(0.67) [ND(0.33)]	ND(0.43)	ND(0.010)
Phenanthrene		ND(0.67) [ND(0.33)]	ND(0.43)	ND(0.010)
Pyrene		ND(0.67) [ND(0.33)]	ND(0.43)	ND(0.010)
Inorganics				
Arsenic		NA	NA	0.00460 B
Barium		NA	NA	0.0170
Cadmium		NA	NA	ND(0.00100)
Chromium		NA	NA	0.0340
Lead		NA	NA	ND(0.00500)
Mercury		NA	NA	ND(0.000200)

TABLE 3-2
DATA RECEIVED DURING NOVEMBER 2004

12Y EDA SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Matrix: / Date Collected:	12YEDA-LIQ-SLUDGE Liquid Sludge 11/02/04	12YEDA-SANDA-B Sand[6] 11/02/04	12YEDA-SLUDGE Solid Sludge[6] 11/02/04
Volatile Organics				
Acetone		ND(0.010)	0.028 J	ND(15)
Ethylbenzene		ND(0.0050)	0.020 J	0.40 J
Iodomethane		ND(0.0050)	ND(0.025)	ND(0.74)
Styrene		ND(0.0050)	0.14	ND(0.74)
Toluene		ND(0.0050)	ND(0.025)	1.7
Xylenes (total)		0.020	ND(0.025)	3.4
PCBs				
Aroclor-1254		0.0038	20	380
Aroclor-1260		0.0026	11	280 J
Total PCBs		0.0064	31	660
Semivolatile Organics				
1,2,4-Trichlorobenzene		ND(0.010)	ND(0.33)	1.4 J
2,4-Dimethylphenol		ND(0.010)	ND(0.33)	ND(5.9)
3&4-Methylphenol		ND(0.010)	ND(0.67)	1.4 J
Aniline		ND(0.010)	ND(0.33)	3.3 J
Benzo(a)anthracene		ND(0.010)	ND(0.33)	1.2 J
bis(2-Ethylhexyl)phthalate		0.0039 J	1.3	12
Chrysene		ND(0.010)	0.081 J	1.4 J
Diethylphthalate		ND(0.010)	ND(0.33)	ND(5.9)
Dimethylphthalate		ND(0.010)	ND(0.33)	ND(5.9)
Fluoranthene		ND(0.010)	0.20 J	3.1 J
Phenanthrene		ND(0.010)	0.20 J	4.4 J
Pyrene		ND(0.010)	0.25 J	4.4 J
Inorganics				
Arsenic		0.00490 B	NA	NA
Barium		0.0480	NA	NA
Cadmium		0.00190	NA	NA
Chromium		0.0170	NA	NA
Lead		0.0340	NA	NA
Mercury		0.000280	NA	NA

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles, metals, and TCLP constituents.
2. Please refer to Table 3-3 for a summary of TCLP constituents.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Only those constituents detected in one or more samples are summarized.
5. Field duplicate sample results are presented in brackets.
6. Solid samples reported on a dry weight basis.

Data Qualifiers:

Organics
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 PQL.

TABLE 3-3
TCLP DATA RECEIVED DURING NOVEMBER 2004

12Y EDA SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Matrix: / Date Collected:	TCLP Regulatory Limits	12YEDA-CARBONCF-1 Carbon 11/2/2004	12YEDA-CARBONCF-2 Carbon 11/2/2004
Volatile Organics				
1,1-Dichloroethene		0.7	ND(0.10) [ND(0.10)]	ND(0.10)
1,2-Dichloroethane		0.5	ND(0.10) [ND(0.10)]	ND(0.10)
2-Butanone		200	ND(0.20) [ND(0.20)]	ND(0.20)
Benzene		0.5	ND(0.10) [ND(0.10)]	ND(0.10)
Carbon Tetrachloride		0.5	ND(0.10) [ND(0.10)]	ND(0.10)
Chlorobenzene		100	ND(0.10) [ND(0.10)]	ND(0.10)
Chloroform		6	ND(0.10) [ND(0.10)]	ND(0.10)
Tetrachloroethene		0.7	ND(0.10) [ND(0.10)]	ND(0.10)
Trichloroethene		0.5	ND(0.10) [ND(0.10)]	ND(0.10)
Vinyl Chloride		0.2	ND(0.10) [ND(0.10)]	ND(0.10)
Semivolatile Organics				
1,4-Dichlorobenzene		7.5	ND(0.050) [ND(0.050)]	ND(0.050)
2,4,5-Trichlorophenol		400	ND(0.050) [ND(0.050)]	ND(0.050)
2,4,6-Trichlorophenol		2	ND(0.050) [ND(0.050)]	ND(0.050)
2,4-Dinitrotoluene		0.13	ND(0.050) [ND(0.050)]	ND(0.050)
Cresol		200	ND(0.050) [ND(0.050)]	ND(0.050)
Hexachlorobenzene		0.13	ND(0.050) [ND(0.050)]	ND(0.050)
Hexachlorobutadiene		0.5	ND(0.050) [ND(0.050)]	ND(0.050)
Hexachloroethane		3	ND(0.050) [ND(0.050)]	ND(0.050)
Nitrobenzene		2	ND(0.050) [ND(0.050)]	ND(0.050)
Pentachlorophenol		100	ND(0.050) [ND(0.050)]	ND(0.050)
Pyridine		5	ND(0.050) [ND(0.050)]	ND(0.050)
Inorganics				
Arsenic		5	ND(0.100) [ND(0.100)]	ND(0.100)
Barium		100	0.280 [0.270]	0.200
Cadmium		1	0.00120 B [0.00110 B]	0.00640 B
Chromium		5	0.00160 B [ND(0.0500)]	0.00170 B
Lead		5	ND(0.100) [ND(0.100)]	0.00520 B
Mercury		0.2	ND(0.00200) [ND(0.00200)]	ND(0.00200)
Selenium		1	ND(0.200) [ND(0.200)]	ND(0.200)
Silver		5	0.00180 B [0.00170 B]	ND(0.0200)

TABLE 3-3
TCLP DATA RECEIVED DURING NOVEMBER 2004

12Y EDA SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Matrix: / Date Collected:	TCLP Regulatory Limits	12YEDA-SANDA-B Sand 11/2/2004	12YEDA-SLUDGE Solid Sludge 11/2/2004
Volatile Organics			
1,1-Dichloroethene	0.7	ND(0.10)	ND(0.10)
1,2-Dichloroethane	0.5	ND(0.10)	ND(0.10)
2-Butanone	200	ND(0.20)	ND(0.20)
Benzene	0.5	ND(0.10)	ND(0.10)
Carbon Tetrachloride	0.5	ND(0.10)	ND(0.10)
Chlorobenzene	100	ND(0.10)	ND(0.10)
Chloroform	6	ND(0.10)	ND(0.10)
Tetrachloroethene	0.7	ND(0.10)	ND(0.10)
Trichloroethene	0.5	ND(0.10)	ND(0.10)
Vinyl Chloride	0.2	ND(0.10)	ND(0.10)
Semivolatile Organics			
1,4-Dichlorobenzene	7.5	ND(0.050)	ND(0.050)
2,4,5-Trichlorophenol	400	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	2	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene	0.13	ND(0.050)	ND(0.050)
Cresol	200	ND(0.050)	ND(0.050)
Hexachlorobenzene	0.13	ND(0.050)	ND(0.050)
Hexachlorobutadiene	0.5	ND(0.050)	ND(0.050)
Hexachloroethane	3	ND(0.050)	ND(0.050)
Nitrobenzene	2	ND(0.050)	ND(0.050)
Pentachlorophenol	100	ND(0.050)	ND(0.050)
Pyridine	5	ND(0.050)	ND(0.050)
Inorganics			
Arsenic	5	0.0150 B	0.0100 B
Barium	100	0.260	0.0870
Cadmium	1	0.00600 B	0.00460 B
Chromium	5	0.00500 B	0.00400 B
Lead	5	0.0840 B	ND(0.100)
Mercury	0.2	ND(0.00200)	ND(0.00200)
Selenium	1	0.00570 B	ND(0.200)
Silver	5	0.00190 B	0.00200 B

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 TCLP constituents.
2. Please refer to Table 3-2 for a summary of PCBs, volatiles, semivolatiles, and metals.
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. Field duplicate sample results are presented in brackets.

Data Qualifiers:

Inorganics

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

ITEM 4
PLANT AREA
EAST STREET AREA 1-NORTH
(GECD130)
NOVEMBER 2004

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

a. Activities Undertaken/Completed

Continued preparation of survey plan to be part of ERE for GE-owned properties.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Submit revised draft ERE for GE properties to EPA and MDEP.
- Submit notice 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.

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
(GECD210/220)
NOVEMBER 2004

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

a. Activities Undertaken/Completed

- Transferred soil and sediment from 1½ Mile Reach of the Housatonic River, soil from utility excavation conducted at the Hill 78 Remainder Area, and demolition debris from demolition activities conducted at 60s Complex to the On-Plant Consolidation Areas (OPCAs).

- Performed manhole abandonment activities at two manholes located within Hill 78 OPCA.

- Conducted ambient air monitoring for particulates and PCBs at the OPCAs.

- Continued transfer of leachate from Building 71 OPCA to Building 64G for treatment. The total amount transferred in November 2004 was 138,000 gallons (see Table 5-4).

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 from ongoing demolition projects and excavated material from 1½ Mile Reach 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 NOVEMBER 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	11/1/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/1/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/1/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/1/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	West of OPCAs	11/1/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Location	11/1/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	North of OPCAs	11/2/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/2/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/2/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/2/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	West of OPCAs	11/2/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Location	11/2/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	North of OPCAs	11/3/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/3/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/3/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/3/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	West of OPCAs	11/3/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Location	11/3/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	North of OPCAs	11/15/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/15/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/15/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/15/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	West of OPCAs	11/15/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Location	11/15/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	North of OPCAs	11/16/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/16/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/16/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/16/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	West of OPCAs	11/16/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Location	11/16/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	North of OPCAs	11/17/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/17/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/17/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/17/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	West of OPCAs	11/17/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Location	11/17/04	Air	Berkshire Environmental	Particulate Matter	11/23/04

TABLE 5-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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	11/18/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/18/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/18/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/18/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	West of OPCAs	11/18/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	Background Location	11/18/04	Air	Berkshire Environmental	Particulate Matter	11/23/04
Ambient Air Particulate Matter Sampling	North of OPCAs	11/22/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/22/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/22/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/22/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	West of OPCAs	11/22/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Background Location	11/22/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	North of OPCAs	11/23/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/23/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/23/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/23/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	West of OPCAs	11/23/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	Background Location	11/23/04	Air	Berkshire Environmental	Particulate Matter	11/30/04
Ambient Air Particulate Matter Sampling	North of OPCAs	11/29/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/29/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/29/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/29/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	West of OPCAs	11/29/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Background Location	11/29/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	North of OPCAs	11/30/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/30/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/30/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/30/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	West of OPCAs	11/30/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
Ambient Air Particulate Matter Sampling	Background Location	11/30/04	Air	Berkshire Environmental	Particulate Matter	12/1/04
PCB Ambient Air Sampling	Southwest of OPCAs	11/2 -11/3/04	Air	Berkshire Environmental	PCB	11/2/04
PCB Ambient Air Sampling	Southwest of OPCAs Co-located	11/2 -11/3/04	Air	Berkshire Environmental	PCB	11/2/04
PCB Ambient Air Sampling	West of OPCAs	11/2 -11/3/04	Air	Berkshire Environmental	PCB	11/2/04
PCB Ambient Air Sampling	North of OPCAs	11/2 -11/3/04	Air	Berkshire Environmental	PCB	11/2/04
PCB Ambient Air Sampling	Southeast of OPCAs	11/2 -11/3/04	Air	Berkshire Environmental	PCB	11/2/04
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	11/2 -11/3/04	Air	Berkshire Environmental	PCB	11/2/04
PCB Ambient Air Sampling	Background Inside GE Gate 31	11/2 -11/3/04	Air	Berkshire Environmental	PCB	11/2/04

TABLE 5-2
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING NOVEMBER 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/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
11/01/04	North of OPCAs	0.177[1]	0.006*	10:15	NW, WNW
	Pittsfield Generating Co.	0.005*		10:30	
	Southeast of OPCAs	0.005		10:15	
	Southwest of OPCAs	0.005*		10:15	
	West of OPCAs	0.002		10:15	
11/02/04	North of OPCAs	0.033[2]	0.011*	3:30[2]	Calm
	Pittsfield Generating Co.	0.007*		11:15	
	Southeast of OPCAs	0.005		11:15	
	Southwest of OPCAs	0.014*		8:00[3]	
	West of OPCAs	0.002		11:15	
11/03/04	North of OPCAs	0.081	0.005*	10:15	NW, NNW
	Pittsfield Generating Co.	0.004*		10:00	
	Southeast of OPCAs	0.017		10:00	
	Southwest of OPCAs	0.002*		10:15	
	West of OPCAs	0.003		10:00	
11/04/04[4]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
11/05/04[4]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
11/08/04 - 11/12/04[4]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
11/15/04	North of OPCAs	NA[5]	0.027*	NA[5]	NW, WNW
	Pittsfield Generating Co.	0.019*		10:45	
	Southeast of OPCAs	0.026		10:45	
	Southwest of OPCAs	0.011*		10:45	
	West of OPCAs	0.020		11:00	
11/16/04	North of OPCAs	0.045	0.050*	11:00	Calm
	Pittsfield Generating Co.	0.031*		11:00	
	Southeast of OPCAs	0.040		11:00	
	Southwest of OPCAs	0.038*		9:30[3]	
	West of OPCAs	0.045		11:00	
11/17/04	North of OPCAs	0.036	0.040*	10:45	Calm
	Pittsfield Generating Co.	0.026*		10:45	
	Southeast of OPCAs	0.040		10:45	
	Southwest of OPCAs	0.037*		10:30	
	West of OPCAs	0.040		10:45	

TABLE 5-2
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING NOVEMBER 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/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
11/18/04	North of OPCAs	0.029	0.030*	11:15	Calm
	Pittsfield Generating Co.	0.021*		11:15	
	Southeast of OPCAs	0.035		11:15	
	Southwest of OPCAs	0.016*		11:15	
	West of OPCAs	0.029		11:15	
11/19/04[4]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
11/22/04	North of OPCAs	0.027	0.021*	10:30	Calm
	Pittsfield Generating Co.	0.021*		10:45	
	Southeast of OPCAs	0.017		10:30	
	Southwest of OPCAs	0.008*		10:30	
	West of OPCAs	0.023		10:30	
11/23/04	North of OPCAs	0.038[6]	0.040*	8:45[6]	Calm
	Pittsfield Generating Co.	0.028*		10:45	
	Southeast of OPCAs	0.029[6]		9:00[6]	
	Southwest of OPCAs	0.035*		10:45	
	West of OPCAs	0.033[6]		9:00[6]	
11/24/04[7]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
11/25/04[8]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
11/26/04[4]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
11/29/04	North of OPCAs	0.004	0.010*	10:45	NA
	Pittsfield Generating Co.	NA[5]		NA[5]	
	Southeast of OPCAs	0.006		10:45	
	Southwest of OPCAs	0.009*		10:45	
	West of OPCAs	0.007		10:45	

TABLE 5-2
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING NOVEMBER 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/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
11/30/04	North of OPCAs	0.015	0.013*	10:45	NA
	Pittsfield Generating Co.	0.011*		10:45	
	Southeast of OPCAs	0.016		10:45	
	Southwest of OPCAs	0.009*		10:45	
	West of OPCAs	0.019		10:45	
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] This apparent daily exceedance appears to be the result of three (3) very high 15-minute particulate readings at 1:56 PM (1.823 mg/m^3), 2:11 PM (1.690 mg/m^3) and 5:41 PM (0.521 mg/m^3). Please note that this was an upwind location and that the high particulate reading at 5:41 PM was recorded two hours after site activity had ended for the day. Without these three high 15-minute values, the daily average is below both the notification and reporting limits. These high values are unreasonably high and do not appear to be associated with or reflect activities on the site or weather conditions. QA review of the equipment showed no operational problems. Possible explanations include a passing vehicle, a wind gust generating a short-term high dust concentration, or a foreign object such as an insect or spider web in the monitor. The cause of the anomalous exceedance is unknown.

[2] Sampling data were modified to delete invalid recordings due to interference from an insect (spider).

[3] Sampling period was shortened due to instrument malfunction (dead battery).

[4] Sampling was not performed due to lack of site activity.

[5] Sampling data are not available due to equipment failure.

[6] Morning data discounted due to foggy conditions.

[7] Sampling was not performed due to precipitation/threat of precipitation.

[8] Sampling was not performed due to lack of site activity on the Thanksgiving holiday.

TABLE 5-3
AMBIENT AIR PCB DATA RECEIVED DURING NOVEMBER 2004

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

Date	Southwest of OPCAs (µg/m^3)	Southwest of OPCAs colocated (µg/m^3)	West of OPCAs (µg/m^3)	North of OPCAs (µg/m^3)	Southeast of OPCAs (µg/m^3)	Pittsfield Generating (PGE) (µg/m^3)	Background Inside GE Gate 31 (µg/m^3)
11/02 - 11/03/04	ND	ND	ND	0.0009	0.0004	0.0005	0.0010
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05	0.05

Note:
ND - Non Detect (<0.0003)

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
November 2004

Month / Year	Total Volume of Leachate Transferred (Gallons)
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
June 2004	147,500
July 2004	171,000
August 2004	214,000
September 2004	230,000
October 2004	177,000
November 2004	138,000

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)
NOVEMBER 2004

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

a. Activities Undertaken/Completed

- Continued pre-design investigation.
- Conducted excavations for utilities described in Pre-Excavation Notification letter and transported/disposed soil at the OPCAs (approximately 1,170 cubic yards).

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted a letter titled *Pre-Excavation Notification* for the installation of new utility lines (November 12, 2004).

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

Continue pre-design investigation.

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 NOVEMBER 2004

HILL 78 AREA-REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation	RAA9-DUP-1 (RAA9-I4)	10/22/04	6-15	Soil	SGS	PCB	11/10/04
Pre-Design Soil Investigation	RAA9-DUP-2 (RAA9-H22)	10/29/04	1-6	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	11/12/04
Pre-Design Soil Investigation	RAA9-DUP-3 (RAA9-H22)	10/29/04	4-6	Soil	SGS	VOC	11/12/04
Pre-Design Soil Investigation	RAA9-F5	10/25/04	1-6	Soil	SGS	PCB	11/8/04
Pre-Design Soil Investigation	RAA9-F5	10/25/04	6-15	Soil	SGS	PCB	11/8/04
Pre-Design Soil Investigation	RAA9-F5	10/25/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	11/8/04
Pre-Design Soil Investigation	RAA9-G5	10/22/04	6-15	Soil	SGS	PCB	11/10/04
Pre-Design Soil Investigation	RAA9-G5	10/22/04	1-6	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	11/10/04
Pre-Design Soil Investigation	RAA9-G5	10/22/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	11/10/04
Pre-Design Soil Investigation	RAA9-G5	10/22/04	3-4	Soil	SGS	VOC	11/10/04
Pre-Design Soil Investigation	RAA9-H22	10/29/04	1-6	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	11/12/04
Pre-Design Soil Investigation	RAA9-H22	10/29/04	6-15	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	11/12/04
Pre-Design Soil Investigation	RAA9-H22	10/29/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	11/12/04
Pre-Design Soil Investigation	RAA9-H22	10/29/04	4-6	Soil	SGS	VOC	11/12/04
Pre-Design Soil Investigation	RAA9-H22	10/29/04	6-8	Soil	SGS	VOC	11/12/04
Pre-Design Soil Investigation	RAA9-H3	10/20/04	0-1	Soil	SGS	PCB	11/3/04
Pre-Design Soil Investigation	RAA9-H3	10/20/04	1-6	Soil	SGS	PCB	11/3/04
Pre-Design Soil Investigation	RAA9-H3	10/20/04	6-15	Soil	SGS	PCB	11/3/04
Pre-Design Soil Investigation	RAA9-H4	10/20/04	1-6	Soil	SGS	PCB	11/3/04
Pre-Design Soil Investigation	RAA9-H4	10/20/04	6-15	Soil	SGS	PCB	11/3/04
Pre-Design Soil Investigation	RAA9-H4	10/20/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	11/3/04
Pre-Design Soil Investigation	RAA9-I21	10/27/04	0-1	Soil	SGS	PCB	11/11/04
Pre-Design Soil Investigation	RAA9-I21	10/27/04	1-6	Soil	SGS	PCB	11/11/04
Pre-Design Soil Investigation	RAA9-I21	10/27/04	6-15	Soil	SGS	PCB	11/11/04
Pre-Design Soil Investigation	RAA9-I23	10/27/04	0-1	Soil	SGS	PCB	11/11/04
Pre-Design Soil Investigation	RAA9-I23	10/27/04	1-6	Soil	SGS	PCB	11/11/04
Pre-Design Soil Investigation	RAA9-I23	10/27/04	6-15	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	11/11/04
Pre-Design Soil Investigation	RAA9-I23	10/27/04	12-14	Soil	SGS	VOC	11/11/04
Pre-Design Soil Investigation	RAA9-I3	10/20/04	1-6	Soil	SGS	PCB	11/3/04
Pre-Design Soil Investigation	RAA9-I3	10/20/04	6-15	Soil	SGS	PCB	11/3/04
Pre-Design Soil Investigation	RAA9-I3	10/20/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	11/3/04
Pre-Design Soil Investigation	RAA9-I4	10/22/04	0-1	Soil	SGS	PCB	11/10/04
Pre-Design Soil Investigation	RAA9-I4	10/22/04	6-15	Soil	SGS	PCB	11/10/04
Pre-Design Soil Investigation	RAA9-I4	10/22/04	1-6	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	11/10/04
Pre-Design Soil Investigation	RAA9-I4	10/22/04	5-6	Soil	SGS	VOC	11/10/04
Pre-Design Soil Investigation	RAA9-I5	10/22/04	1-6	Soil	SGS	PCB	11/10/04
Pre-Design Soil Investigation	RAA9-I5	10/22/04	6-15	Soil	SGS	PCB	11/10/04
Pre-Design Soil Investigation	RAA9-I5	10/22/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	11/10/04
Pre-Design Soil Investigation	RAA9-J19	10/27/04	0-1	Soil	SGS	PCB	11/11/04
Pre-Design Soil Investigation	RAA9-J19	10/27/04	1-6	Soil	SGS	PCB	11/11/04
Pre-Design Soil Investigation	RAA9-J19	10/27/04	6-15	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	11/11/04

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

HILL 78 AREA-REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation	RAA9-J19	10/27/04	12-14	Soil	SGS	VOC	11/11/04
Pre-Design Soil Investigation	RAA9-J3	10/22/04	6-15	Soil	SGS	PCB	11/10/04
Pre-Design Soil Investigation	RAA9-J3	10/22/04	1-6	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	11/10/04
Pre-Design Soil Investigation	RAA9-J3	10/22/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	11/10/04
Pre-Design Soil Investigation	RAA9-J3	10/22/04	5-6	Soil	SGS	VOC	11/10/04
Pre-Design Soil Investigation	RAA9-J4	10/22/04	1-6	Soil	SGS	PCB	11/10/04
Pre-Design Soil Investigation	RAA9-J4	10/22/04	6-15	Soil	SGS	PCB	11/10/04
Pre-Design Soil Investigation	RAA9-J4	10/22/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	11/10/04
Pre-Design Soil Investigation	RAA9-K21	10/29/04	1-6	Soil	SGS	PCB	11/12/04
Pre-Design Soil Investigation	RAA9-K21	10/29/04	6-15	Soil	SGS	PCB	11/12/04
Pre-Design Soil Investigation	RAA9-K21	10/29/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	11/12/04
Pre-Design Soil Investigation	RAA9-K24	10/29/04	6-15	Soil	SGS	PCB	11/12/04
Pre-Design Soil Investigation	RAA9-K24	10/29/04	1-6	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	11/12/04
Pre-Design Soil Investigation	RAA9-K24	10/29/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	11/12/04
Pre-Design Soil Investigation	RAA9-K24	10/29/04	4-6	Soil	SGS	VOC	11/12/04

Note:
1. Field duplicate sample locations are presented in parenthesis.

TABLE 6-2
PCB DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
HILL 78 AREA REMAINDER
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	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA9-F5	0-1	10/25/2004	ND(0.040)	ND(0.040)	0.014 J	0.026 J	0.040 J
	1-6	10/25/2004	ND(0.036)	0.085	ND(0.036)	ND(0.036)	0.085
	6-15	10/25/2004	ND(0.038)	0.20	ND(0.038)	ND(0.038)	0.20
RAA9-G5	0-1	10/22/2004	ND(0.039)	ND(0.039)	0.028 J	0.049	0.077
	1-6	10/22/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	10/22/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA9-H3	0-1	10/20/2004	ND(0.041)	ND(0.041)	ND(0.041)	0.041 J	0.041 J
	1-6	10/20/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	10/20/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA9-H4	0-1	10/20/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.025 J	0.025 J
	1-6	10/20/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-15	10/20/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA9-H22	0-1	10/29/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.034 J	0.034 J
	1-6	10/29/2004	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)]
	6-15	10/29/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA9-I3	0-1	10/20/2004	ND(0.41)	ND(0.41)	5.1	7.4	12.5
	1-6	10/20/2004	ND(0.037)	ND(0.037)	0.81	0.91	1.72
	6-15	10/20/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA9-I4	0-1	10/22/2004	ND(0.039)	ND(0.039)	0.099	0.10	0.199
	1-6	10/22/2004	ND(0.037)	ND(0.037)	0.055	0.017 J	0.072
	6-15	10/22/2004	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]
RAA9-I5	0-1	10/22/2004	ND(0.79)	ND(0.79)	12	4.5	16.5
	1-6	10/22/2004	ND(0.20)	ND(0.20)	3.0	1.2	4.2
	6-15	10/22/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA9-I21	0-1	10/27/2004	ND(0.038)	0.13	ND(0.038)	ND(0.038)	0.13
	1-6	10/27/2004	ND(0.035)	0.053	ND(0.035)	ND(0.035)	0.053
	6-15	10/27/2004	ND(0.035)	0.18	ND(0.035)	ND(0.035)	0.18
RAA9-I23	0-1	10/27/2004	ND(0.036)	ND(0.036)	0.070	0.25	0.32
	1-6	10/27/2004	ND(0.038)	ND(0.038)	0.014 J	ND(0.038)	0.014 J
	6-15	10/27/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA9-J3	0-1	10/22/2004	ND(0.19)	ND(0.19)	3.2	3.0	6.2
	1-6	10/22/2004	ND(0.039)	ND(0.039)	0.90	0.69	1.59
	6-15	10/22/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA9-J4	0-1	10/22/2004	ND(0.19)	ND(0.19)	2.1	0.78	2.88
	1-6	10/22/2004	ND(0.037)	ND(0.037)	1.7	0.53	2.23
	6-15	10/22/2004	ND(0.038)	ND(0.038)	0.028 J	0.015 J	0.043 J
RAA9-J19	0-1	10/27/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-6	10/27/2004	ND(0.035)	ND(0.035)	0.17	0.079	0.249
	6-15	10/27/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA9-K21	0-1	10/29/2004	ND(0.036)	ND(0.036)	0.064	0.25	0.314
	1-6	10/29/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-15	10/29/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA9-K24	0-1	10/29/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	1-6	10/29/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-15	10/29/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS 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).

TABLE 6-3
APPENDIX IX+3 DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
HILL 78 AREA REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA9-F5 0-1 10/25/04	RAA9-G5 0-1 10/22/04	RAA9-G5 1-6 10/22/04	RAA9-G5 3-4 10/22/04	RAA9-H4 0-1 10/20/04
Volatile Organics					
1,2,3-Trichloropropane	ND(0.0060)	0.022	NA	ND(0.0055)	ND(0.0055)
Semivolatile Organics					
2-Methylnaphthalene	1.0	ND(0.39)	ND(0.37)	NA	ND(0.37)
Acenaphthene	ND(0.40)	ND(0.39)	ND(0.37)	NA	ND(0.37)
Acenaphthylene	ND(0.40)	ND(0.39)	ND(0.37)	NA	ND(0.37)
Anthracene	ND(0.40)	ND(0.39)	ND(0.37)	NA	ND(0.37)
Benzo(a)anthracene	ND(0.40)	ND(0.39)	ND(0.37)	NA	ND(0.37)
Benzo(a)pyrene	0.093 J	ND(0.39)	ND(0.37)	NA	ND(0.37)
Benzo(b)fluoranthene	ND(0.40)	ND(0.39)	ND(0.37)	NA	ND(0.37)
Benzo(g,h,i)perylene	ND(0.40)	ND(0.39)	ND(0.37)	NA	ND(0.37)
Benzo(k)fluoranthene	ND(0.40)	ND(0.39)	ND(0.37)	NA	ND(0.37)
Chrysene	0.16 J	ND(0.39)	ND(0.37)	NA	ND(0.37)
Dibenzo(a,h)anthracene	ND(0.40)	ND(0.39)	ND(0.37)	NA	ND(0.37)
Dibenzofuran	0.26 J	ND(0.39)	ND(0.37)	NA	ND(0.37)
Fluoranthene	ND(0.40)	ND(0.39)	ND(0.37)	NA	ND(0.37)
Fluorene	ND(0.40)	ND(0.39)	ND(0.37)	NA	ND(0.37)
Indeno(1,2,3-cd)pyrene	ND(0.40)	ND(0.39)	ND(0.37)	NA	ND(0.37)
Naphthalene	0.78	ND(0.39)	ND(0.37)	NA	ND(0.37)
Phenanthrene	0.47	ND(0.39)	ND(0.37)	NA	ND(0.37)
Pyrene	0.13 J	ND(0.39)	ND(0.37)	NA	ND(0.37)
Furans					
2,3,7,8-TCDF	0.000016 Y	0.0000023 Y	ND(0.00000025)	NA	ND(0.00000061) X
TCDFs (total)	0.00013	0.0000077	ND(0.00000025)	NA	0.00000090 J
1,2,3,7,8-PeCDF	0.0000056 J	ND(0.00000077)	ND(0.00000041)	NA	ND(0.00000054)
2,3,4,7,8-PeCDF	0.0000073	ND(0.0000010)	ND(0.00000039)	NA	ND(0.00000054)
PeCDFs (total)	0.00018	0.0000080	ND(0.00000041)	NA	0.0000042 J
1,2,3,4,7,8-HxCDF	0.0000087	ND(0.0000013)	ND(0.00000043)	NA	ND(0.00000060)
1,2,3,6,7,8-HxCDF	0.000012 I	ND(0.0000013)	ND(0.00000041)	NA	ND(0.00000054)
1,2,3,7,8,9-HxCDF	ND(0.00000081)	ND(0.00000072)	ND(0.00000051)	NA	ND(0.00000069)
2,3,4,6,7,8-HxCDF	0.0000084	ND(0.0000012)	ND(0.00000045)	NA	0.00000075 J
HxCDFs (total)	0.00026	0.0000095	ND(0.00000051)	NA	0.0000070
1,2,3,4,6,7,8-HpCDF	0.000086	0.0000035 J	ND(0.00000032)	NA	0.0000016 J
1,2,3,4,7,8,9-HpCDF	0.0000049 J	ND(0.00000048)	ND(0.00000038)	NA	ND(0.00000054)
HpCDFs (total)	0.00042	0.0000067	ND(0.00000038)	NA	0.0000016 J
OCDF	0.00040	ND(0.0000036)	ND(0.00000081)	NA	0.0000014 J
Dioxins					
2,3,7,8-TCDD	0.0000025	ND(0.00000042)	ND(0.00000027)	NA	ND(0.00000028)
TCDDs (total)	0.0000065	ND(0.00000044)	ND(0.00000027)	NA	ND(0.00000054)
1,2,3,7,8-PeCDD	ND(0.0000019)	ND(0.00000097)	ND(0.00000059)	NA	ND(0.00000054)
PeCDDs (total)	ND(0.0000043)	ND(0.0000014)	ND(0.00000059)	NA	ND(0.00000086)
1,2,3,4,7,8-HxCDD	ND(0.0000019)	ND(0.00000073)	ND(0.00000060)	NA	ND(0.00000088)
1,2,3,6,7,8-HxCDD	0.0000082	ND(0.00000078)	ND(0.00000055)	NA	ND(0.00000078)
1,2,3,7,8,9-HxCDD	ND(0.0000029)	ND(0.0000013)	ND(0.00000056)	NA	ND(0.00000084)
HxCDDs (total)	0.000064	ND(0.0000025)	ND(0.00000060)	NA	ND(0.0000010)
1,2,3,4,6,7,8-HpCDD	0.00036	0.0000093	ND(0.00000054)	NA	0.0000025 J
HpCDDs (total)	0.0018	0.000019	ND(0.00000054)	NA	0.0000051 J
OCDD	0.0055	0.000045	ND(0.0000020)	NA	0.000015
Total TEQs (WHO TEFs)	0.000018	0.0000017	0.00000073	NA	0.00000093

TABLE 6-3
APPENDIX IX+3 DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
HILL 78 AREA REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA9-F5 0-1 10/25/04	RAA9-G5 0-1 10/22/04	RAA9-G5 1-6 10/22/04	RAA9-G5 3-4 10/22/04	RAA9-H4 0-1 10/20/04
Inorganics						
Arsenic		5.60	5.30	5.50	NA	6.80
Barium		41.0	13.0 B	22.0	NA	36.0
Beryllium		0.240 B	0.250 B	0.320 B	NA	0.360 B
Cadmium		0.240 B	0.200 B	0.200 B	NA	0.300 B
Chromium		5.00	5.00	6.70	NA	8.10
Cobalt		7.10	5.90	7.90	NA	11.0
Copper		12.0	20.0	17.0	NA	20.0
Cyanide		0.110 B	ND(1.20)	0.230 B	NA	ND(1.10)
Lead		35.0	31.0	5.80	NA	12.0
Mercury		0.0530 B	ND(0.120)	ND(0.110)	NA	ND(0.110)
Nickel		7.50	11.0	14.0	NA	18.0
Selenium		1.10	0.760 B	ND(1.00)	NA	1.30
Silver		0.130 B	ND(1.00)	0.180 B	NA	ND(1.00)
Sulfide		ND(6.00)	1200	11.0	NA	140
Thallium		ND(1.20)	ND(1.20)	ND(1.10)	NA	1.50
Tin		3.90 B	2.90 B	2.70 B	NA	2.80 B
Vanadium		9.10	5.80	6.20	NA	9.70
Zinc		33.0	39.0	38.0	NA	70.0

TABLE 6-3
APPENDIX IX+3 DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
HILL 78 AREA REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected: RAA9-H22 0-1 10/29/04	RAA9-H22 1-6 10/29/04	RAA9-H22 4-6 10/29/04
Volatile Organics			
1,2,3-Trichloropropane	ND(0.0056)	NA	ND(0.0056) [ND(0.0056)]
Semivolatile Organics			
2-Methylnaphthalene	ND(0.37)	ND(0.37) [ND(0.38)]	NA
Acenaphthene	ND(0.37)	ND(0.37) [ND(0.38)]	NA
Acenaphthylene	0.28 J	ND(0.37) [ND(0.38)]	NA
Anthracene	0.13 J	ND(0.37) [ND(0.38)]	NA
Benzo(a)anthracene	0.27 J	ND(0.37) [ND(0.38)]	NA
Benzo(a)pyrene	0.28 J	ND(0.37) [ND(0.38)]	NA
Benzo(b)fluoranthene	0.098 J	ND(0.37) [ND(0.38)]	NA
Benzo(g,h,i)perylene	ND(0.37)	ND(0.37) [ND(0.38)]	NA
Benzo(k)fluoranthene	0.22 J	ND(0.37) [ND(0.38)]	NA
Chrysene	0.34 J	ND(0.37) [ND(0.38)]	NA
Dibenzo(a,h)anthracene	ND(0.37)	ND(0.37) [ND(0.38)]	NA
Dibenzofuran	ND(0.37)	ND(0.37) [ND(0.38)]	NA
Fluoranthene	0.70	ND(0.37) [ND(0.38)]	NA
Fluorene	ND(0.37)	ND(0.37) [ND(0.38)]	NA
Indeno(1,2,3-cd)pyrene	ND(0.37)	ND(0.37) [ND(0.38)]	NA
Naphthalene	ND(0.37)	ND(0.37) [ND(0.38)]	NA
Phenanthrene	0.085 J	ND(0.37) [ND(0.38)]	NA
Pyrene	0.47	ND(0.37) [ND(0.38)]	NA
Furans			
2,3,7,8-TCDF	ND(0.00000038) Y	ND(0.00000012) [ND(0.00000011)]	NA
TCDFs (total)	0.0000012	ND(0.00000012) [ND(0.00000011)]	NA
1,2,3,7,8-PeCDF	ND(0.00000031)	ND(0.000000096) [ND(0.000000096)]	NA
2,3,4,7,8-PeCDF	ND(0.00000071)	ND(0.00000011) [ND(0.000000096)]	NA
PeCDFs (total)	0.0000056	ND(0.00000016) [ND(0.00000016)]	NA
1,2,3,4,7,8-HxCDF	ND(0.0000011)	ND(0.00000012) [ND(0.00000012)]	NA
1,2,3,6,7,8-HxCDF	ND(0.00000091)	ND(0.00000011) [ND(0.00000011)]	NA
1,2,3,7,8,9-HxCDF	ND(0.00000027)	ND(0.00000012) [ND(0.00000012)]	NA
2,3,4,6,7,8-HxCDF	ND(0.0000019)	ND(0.00000011) [ND(0.00000011)]	NA
HxCDFs (total)	0.000030	ND(0.00000012) [ND(0.00000012)]	NA
1,2,3,4,6,7,8-HpCDF	0.0000072	ND(0.00000023) [ND(0.00000027)]	NA
1,2,3,4,7,8,9-HpCDF	ND(0.00000066)	ND(0.00000014) [ND(0.00000014)]	NA
HpCDFs (total)	0.000015	ND(0.00000023) [ND(0.00000027)]	NA
OCDF	ND(0.0000053)	ND(0.00000035) [ND(0.00000041)]	NA
Dioxins			
2,3,7,8-TCDD	ND(0.00000013)	ND(0.00000012) [ND(0.00000012)]	NA
TCDDs (total)	ND(0.00000013)	ND(0.00000012) [ND(0.00000012)]	NA
1,2,3,7,8-PeCDD	ND(0.00000033)	ND(0.00000020) [ND(0.00000018)]	NA
PeCDDs (total)	ND(0.00000033)	ND(0.00000020) [ND(0.00000018)]	NA
1,2,3,4,7,8-HxCDD	ND(0.00000049)	ND(0.00000020) [ND(0.00000020)]	NA
1,2,3,6,7,8-HxCDD	ND(0.00000066)	ND(0.00000017) [ND(0.00000017)]	NA
1,2,3,7,8,9-HxCDD	ND(0.00000065)	ND(0.00000018) [ND(0.00000017)]	NA
HxCDDs (total)	ND(0.0000015)	ND(0.00000020) [ND(0.00000020)]	NA
1,2,3,4,6,7,8-HpCDD	0.0000068	ND(0.00000028) [ND(0.00000075)]	NA
HpCDDs (total)	0.000014	ND(0.00000030) [ND(0.00000075)]	NA
OCDD	0.000054	ND(0.0000028) [0.0000078 J]	NA
Total TEQs (WHO TEFs)	0.00000088	0.00000025 [0.00000024]	NA

TABLE 6-3
APPENDIX IX+3 DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
HILL 78 AREA REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA9-H22 0-1 10/29/04	RAA9-H22 1-6 10/29/04	RAA9-H22 4-6 10/29/04
Inorganics				
Arsenic		5.90	4.50 [4.30]	NA
Barium		23.0	26.0 [24.0]	NA
Beryllium		0.310 B	0.320 B [0.350 B]	NA
Cadmium		0.130 B	ND(0.500) [0.170 B]	NA
Chromium		6.80	6.50 [8.80]	NA
Cobalt		7.20	9.10 [8.20]	NA
Copper		16.0	14.0 [14.0]	NA
Cyanide		0.0530 B	0.0290 B [0.0270 B]	NA
Lead		12.0	7.80 [8.60]	NA
Mercury		ND(0.110)	ND(0.110) [ND(0.110)]	NA
Nickel		14.0	13.0 [13.0]	NA
Selenium		ND(1.00)	ND(1.00) [ND(1.00)]	NA
Silver		ND(1.00)	ND(1.00) [ND(1.00)]	NA
Sulfide		16.0	ND(5.60) [ND(5.70)]	NA
Thallium		1.00 B	0.980 B [ND(1.10)]	NA
Tin		3.20 B	3.10 B [3.00 B]	NA
Vanadium		8.70	6.80 [7.90]	NA
Zinc		40.0	46.0 [41.0]	NA

TABLE 6-3
APPENDIX IX+3 DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
HILL 78 AREA REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA9-H22 6-8 10/29/04	RAA9-H22 6-15 10/29/04	RAA9-I3 0-1 10/20/04	RAA9-I4 1-6 10/22/04	RAA9-I4 5-6 10/22/04
Volatile Organics					
1,2,3-Trichloropropane	ND(0.0059)	NA	ND(0.0062)	NA	ND(0.0055)
Semivolatile Organics					
2-Methylnaphthalene	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Acenaphthene	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Acenaphthylene	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Anthracene	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Benzo(a)anthracene	NA	ND(0.40)	0.16 J	ND(0.37)	NA
Benzo(a)pyrene	NA	ND(0.40)	0.084 J	ND(0.37)	NA
Benzo(b)fluoranthene	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Benzo(g,h,i)perylene	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Benzo(k)fluoranthene	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Chrysene	NA	ND(0.40)	0.29 J	ND(0.37)	NA
Dibenzo(a,h)anthracene	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Dibenzofuran	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Fluoranthene	NA	ND(0.40)	0.68	ND(0.37)	NA
Fluorene	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Indeno(1,2,3-cd)pyrene	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Naphthalene	NA	ND(0.40)	ND(0.41)	ND(0.37)	NA
Phenanthrene	NA	ND(0.40)	0.38 J	ND(0.37)	NA
Pyrene	NA	ND(0.40)	0.63	ND(0.37)	NA
Furans					
2,3,7,8-TCDF	NA	ND(0.00000012)	0.000023 Y	ND(0.00000026)	NA
TCDFs (total)	NA	ND(0.00000012)	0.00027 QI	ND(0.00000026)	NA
1,2,3,7,8-PeCDF	NA	ND(0.00000012)	0.000012	ND(0.00000045)	NA
2,3,4,7,8-PeCDF	NA	ND(0.00000012)	0.000059	ND(0.00000043)	NA
PeCDFs (total)	NA	ND(0.00000013)	0.0012 Q	ND(0.00000045)	NA
1,2,3,4,7,8-HxCDF	NA	ND(0.00000013)	0.00013	ND(0.00000049)	NA
1,2,3,6,7,8-HxCDF	NA	ND(0.00000011)	0.000058	ND(0.00000047)	NA
1,2,3,7,8,9-HxCDF	NA	ND(0.00000014)	0.000029	ND(0.00000058)	NA
2,3,4,6,7,8-HxCDF	NA	ND(0.00000012)	0.00020	ND(0.00000052)	NA
HxCDFs (total)	NA	ND(0.00000014)	0.0030	ND(0.00000058)	NA
1,2,3,4,6,7,8-HpCDF	NA	ND(0.00000023)	0.00045	ND(0.00000039)	NA
1,2,3,4,7,8,9-HpCDF	NA	ND(0.00000019)	0.000054	ND(0.00000039)	NA
HpCDFs (total)	NA	ND(0.00000023)	0.0011	ND(0.00000039)	NA
OCDF	NA	ND(0.00000038)	0.00017	ND(0.00000065)	NA
Dioxins					
2,3,7,8-TCDD	NA	ND(0.00000013)	ND(0.0000029) X	ND(0.00000034)	NA
TCDDs (total)	NA	ND(0.00000013)	0.000031	ND(0.00000034)	NA
1,2,3,7,8-PeCDD	NA	ND(0.00000023)	0.000030	ND(0.00000070)	NA
PeCDDs (total)	NA	ND(0.00000024)	0.00020 Q	ND(0.00000070)	NA
1,2,3,4,7,8-HxCDD	NA	ND(0.00000017)	0.000024	ND(0.00000061)	NA
1,2,3,6,7,8-HxCDD	NA	ND(0.00000013)	0.000031	ND(0.00000055)	NA
1,2,3,7,8,9-HxCDD	NA	ND(0.00000014)	0.000028	ND(0.00000056)	NA
HxCDDs (total)	NA	ND(0.00000017)	0.00047	ND(0.00000061)	NA
1,2,3,4,6,7,8-HpCDD	NA	ND(0.00000025)	0.000097	ND(0.00000057)	NA
HpCDDs (total)	NA	ND(0.00000025)	0.00025	ND(0.00000057)	NA
OCDD	NA	0.000015	0.00029	ND(0.0000026)	NA
Total TEQs (WHO TEFs)	NA	0.00000027	0.00012	0.00000085	NA

TABLE 6-3
APPENDIX IX+3 DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
HILL 78 AREA REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA9-H22 6-8 10/29/04	RAA9-H22 6-15 10/29/04	RAA9-I3 0-1 10/20/04	RAA9-I4 1-6 10/22/04	RAA9-I4 5-6 10/22/04
Inorganics						
Arsenic		NA	2.90	5.40	3.80	NA
Barium		NA	21.0	37.0	15.0 B	NA
Beryllium		NA	0.180 B	0.410 B	0.300 B	NA
Cadmium		NA	0.120 B	0.910	ND(0.500)	NA
Chromium		NA	5.50	7.20	4.90	NA
Cobalt		NA	6.20	6.60	6.20	NA
Copper		NA	12.0	38.0	13.0	NA
Cyanide		NA	0.0200 B	0.230 B	ND(0.110)	NA
Lead		NA	4.60	21.0	6.40	NA
Mercury		NA	ND(0.120)	0.0690 B	ND(0.110)	NA
Nickel		NA	11.0	13.0	9.80	NA
Selenium		NA	ND(1.00)	ND(1.00)	ND(1.00)	NA
Silver		NA	ND(1.00)	2.20	ND(1.00)	NA
Sulfide		NA	ND(6.00)	420	11.0	NA
Thallium		NA	ND(1.20)	1.10 B	ND(1.10)	NA
Tin		NA	3.10 B	5.60 B	2.90 B	NA
Vanadium		NA	5.70	8.60	5.50	NA
Zinc		NA	35.0	140	27.0	NA

TABLE 6-3
APPENDIX IX+3 DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
HILL 78 AREA REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA9-I5 0-1 10/22/04	RAA9-I23 6-15 10/27/04	RAA9-I23 12-14 10/27/04	RAA9-J3 0-1 10/22/04	RAA9-J3 1-6 10/22/04
Volatile Organics						
1,2,3-Trichloropropane		ND(0.0059)	NA	ND(0.0054)	ND(0.0056)	NA
Semivolatile Organics						
2-Methylnaphthalene		ND(0.39)	ND(0.38)	NA	0.19 J	ND(0.39)
Acenaphthene		ND(0.39)	ND(0.38)	NA	0.56	ND(0.39)
Acenaphthylene		ND(0.39)	ND(0.38)	NA	0.20 J	ND(0.39)
Anthracene		ND(0.39)	ND(0.38)	NA	1.2	ND(0.39)
Benzo(a)anthracene		0.12 J	ND(0.38)	NA	1.6	ND(0.39)
Benzo(a)pyrene		ND(0.39)	ND(0.38)	NA	0.90	ND(0.39)
Benzo(b)fluoranthene		ND(0.39)	ND(0.38)	NA	0.46	ND(0.39)
Benzo(g,h,i)perylene		ND(0.39)	ND(0.38)	NA	0.47	ND(0.39)
Benzo(k)fluoranthene		ND(0.39)	ND(0.38)	NA	1.0	ND(0.39)
Chrysene		0.16 J	ND(0.38)	NA	2.0	0.12 J
Dibenzo(a,h)anthracene		ND(0.39)	ND(0.38)	NA	0.12 J	ND(0.39)
Dibenzofuran		ND(0.39)	ND(0.38)	NA	0.26 J	ND(0.39)
Fluoranthene		0.34 J	ND(0.38)	NA	4.6	0.16 J
Fluorene		ND(0.39)	ND(0.38)	NA	0.52	ND(0.39)
Indeno(1,2,3-cd)pyrene		ND(0.39)	ND(0.38)	NA	0.41	ND(0.39)
Naphthalene		ND(0.39)	ND(0.38)	NA	0.31 J	ND(0.39)
Phenanthrene		0.20 J	ND(0.38)	NA	5.1	0.084 J
Pyrene		0.29 J	ND(0.38)	NA	3.8	0.18 J
Furans						
2,3,7,8-TCDF		0.000023 Y	ND(0.00000041)	NA	0.000035 Y	0.000012 Y
TCDFs (total)		0.00011	ND(0.00000041)	NA	0.00012	0.000056
1,2,3,7,8-PeCDF		0.000011	ND(0.00000022)	NA	0.000011	0.0000042 J
2,3,4,7,8-PeCDF		0.000013	ND(0.00000021)	NA	0.000016	0.0000055 J
PeCDFs (total)		0.00023	ND(0.00000029)	NA	0.00029	0.00016
1,2,3,4,7,8-HxCDF		0.000030	ND(0.00000012)	NA	0.000030	0.0000080
1,2,3,6,7,8-HxCDF		0.000023 I	ND(0.00000010)	NA	0.000031 I	0.000010 I
1,2,3,7,8,9-HxCDF		ND(0.00000069)	ND(0.00000013)	NA	ND(0.0000023)	ND(0.0000010)
2,3,4,6,7,8-HxCDF		0.000023	ND(0.00000012)	NA	0.000045	0.000011
HxCDFs (total)		0.00052	ND(0.00000013)	NA	0.00095	0.00034
1,2,3,4,6,7,8-HpCDF		0.000068	ND(0.00000023)	NA	0.00012	0.000025
1,2,3,4,7,8,9-HpCDF		0.000011	ND(0.000000083)	NA	0.000016	0.0000042 J
HpCDFs (total)		0.00016	ND(0.00000023)	NA	0.00033	0.000079
OCDF		0.000041	ND(0.00000028)	NA	0.000057	0.000010 J
Dioxins						
2,3,7,8-TCDD		ND(0.00000047)	ND(0.00000014)	NA	ND(0.00000048)	ND(0.00000035)
TCDDs (total)		0.0000046	ND(0.00000014)	NA	0.00000091	ND(0.00000039)
1,2,3,7,8-PeCDD		ND(0.0000013)	ND(0.00000025)	NA	ND(0.0000026)	ND(0.00000086)
PeCDDs (total)		ND(0.0000040)	ND(0.00000025)	NA	ND(0.0000029)	ND(0.00000086)
1,2,3,4,7,8-HxCDD		ND(0.0000012)	ND(0.00000021)	NA	ND(0.0000023)	ND(0.00000082)
1,2,3,6,7,8-HxCDD		ND(0.0000022)	ND(0.00000016)	NA	0.0000034 J	ND(0.00000074)
1,2,3,7,8,9-HxCDD		ND(0.0000022)	ND(0.00000017)	NA	ND(0.0000024)	ND(0.00000075)
HxCDDs (total)		0.000014	ND(0.00000021)	NA	0.000023	ND(0.0000025)
1,2,3,4,6,7,8-HpCDD		0.000014	ND(0.00000018)	NA	0.000024	0.0000042 J
HpCDDs (total)		0.000030	ND(0.00000018)	NA	0.000052	0.0000093
OCDD		0.000084	ND(0.0000019)	NA	0.00015	0.000019
Total TEQs (WHO TEFs)		0.000019	0.00000033	NA	0.000027	0.0000082

TABLE 6-3
APPENDIX IX+3 DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
HILL 78 AREA REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA9-I5 0-1 10/22/04	RAA9-I23 6-15 10/27/04	RAA9-I23 12-14 10/27/04	RAA9-J3 0-1 10/22/04	RAA9-J3 1-6 10/22/04
Inorganics						
Arsenic		6.00	3.10	NA	5.60	4.00
Barium		31.0	18.0 B	NA	34.0	16.0 B
Beryllium		0.340 B	0.200 B	NA	0.260 B	0.320 B
Cadmium		0.190 B	ND(0.500)	NA	0.180 B	ND(0.500)
Chromium		7.30	4.60	NA	5.60	6.20
Cobalt		7.70	5.20	NA	5.60	7.00
Copper		22.0	9.90	NA	56.0	20.0
Cyanide		ND(1.20)	0.0590 B	NA	ND(1.10)	ND(1.20)
Lead		31.0	4.50	NA	41.0	21.0
Mercury		0.0430 B	ND(0.110)	NA	0.500	0.0590 B
Nickel		14.0	8.90	NA	10.0	13.0
Selenium		0.970 B	ND(1.00)	NA	ND(1.00)	0.780 B
Silver		ND(1.00)	ND(1.00)	NA	ND(1.00)	ND(1.00)
Sulfide		57.0	ND(5.70)	NA	43.0	17.0
Thallium		1.20	ND(1.10)	NA	ND(1.10)	ND(1.20)
Tin		3.30 B	3.30 B	NA	6.20 B	3.50 B
Vanadium		8.80	4.60 B	NA	7.90	7.80
Zinc		57.0	26.0	NA	56.0	47.0

TABLE 6-3
APPENDIX IX+3 DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
HILL 78 AREA REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA9-J3 5-6 10/22/04	RAA9-J4 0-1 10/22/04	RAA9-J19 6-15 10/27/04	RAA9-J19 12-14 10/27/04	RAA9-K21 0-1 10/29/04
Volatile Organics					
1,2,3-Trichloropropane	ND(0.0060)	ND(0.0056)	NA	ND(0.0056)	ND(0.0054)
Semivolatile Organics					
2-Methylnaphthalene	NA	ND(0.37)	ND(0.36)	NA	ND(0.36)
Acenaphthene	NA	ND(0.37)	ND(0.36)	NA	ND(0.36)
Acenaphthylene	NA	ND(0.37)	ND(0.36)	NA	0.16 J
Anthracene	NA	ND(0.37)	ND(0.36)	NA	ND(0.36)
Benzo(a)anthracene	NA	ND(0.37)	ND(0.36)	NA	0.36 J
Benzo(a)pyrene	NA	ND(0.37)	ND(0.36)	NA	0.31 J
Benzo(b)fluoranthene	NA	ND(0.37)	ND(0.36)	NA	0.12 J
Benzo(g,h,i)perylene	NA	ND(0.37)	ND(0.36)	NA	0.15 J
Benzo(k)fluoranthene	NA	ND(0.37)	ND(0.36)	NA	0.38
Chrysene	NA	ND(0.37)	ND(0.36)	NA	0.52
Dibenzo(a,h)anthracene	NA	ND(0.37)	ND(0.36)	NA	ND(0.36)
Dibenzofuran	NA	ND(0.37)	ND(0.36)	NA	ND(0.36)
Fluoranthene	NA	ND(0.37)	ND(0.36)	NA	0.54
Fluorene	NA	ND(0.37)	ND(0.36)	NA	ND(0.36)
Indeno(1,2,3-cd)pyrene	NA	ND(0.37)	ND(0.36)	NA	0.080 J
Naphthalene	NA	ND(0.37)	ND(0.36)	NA	ND(0.36)
Phenanthrene	NA	ND(0.37)	ND(0.36)	NA	0.13 J
Pyrene	NA	ND(0.37)	ND(0.36)	NA	0.68
Furans					
2,3,7,8-TCDF	NA	0.000011 Y	ND(0.00000041)	NA	0.0000027 Y
TCDFs (total)	NA	0.000053	ND(0.00000042)	NA	0.000015
1,2,3,7,8-PeCDF	NA	0.0000037 J	ND(0.00000014)	NA	ND(0.0000011)
2,3,4,7,8-PeCDF	NA	0.0000039 J	ND(0.00000014)	NA	ND(0.0000016)
PeCDFs (total)	NA	0.000042	ND(0.00000018)	NA	0.0000054
1,2,3,4,7,8-HxCDF	NA	0.0000062	ND(0.000000078)	NA	ND(0.0000017)
1,2,3,6,7,8-HxCDF	NA	0.0000052 JI	ND(0.000000065)	NA	ND(0.0000011)
1,2,3,7,8,9-HxCDF	NA	ND(0.00000093)	ND(0.000000085)	NA	ND(0.0000014)
2,3,4,6,7,8-HxCDF	NA	0.0000035 J	ND(0.000000076)	NA	ND(0.0000012)
HxCDFs (total)	NA	0.000065	ND(0.000000085)	NA	0.0000091
1,2,3,4,6,7,8-HpCDF	NA	0.000013	ND(0.00000013)	NA	0.0000030 J
1,2,3,4,7,8,9-HpCDF	NA	ND(0.0000026)	ND(0.000000066)	NA	ND(0.00000087)
HpCDFs (total)	NA	0.000027	ND(0.00000013)	NA	0.0000030
OCDF	NA	0.0000090 J	ND(0.00000017)	NA	ND(0.0000031)
Dioxins					
2,3,7,8-TCDD	NA	ND(0.00000036)	ND(0.00000010)	NA	ND(0.00000027)
TCDDs (total)	NA	0.00000070	ND(0.00000010)	NA	ND(0.00000027)
1,2,3,7,8-PeCDD	NA	ND(0.00000079)	ND(0.00000016)	NA	ND(0.00000063)
PeCDDs (total)	NA	ND(0.00000097)	ND(0.00000016)	NA	ND(0.00000063)
1,2,3,4,7,8-HxCDD	NA	ND(0.00000085)	ND(0.000000094)	NA	ND(0.00000069)
1,2,3,6,7,8-HxCDD	NA	ND(0.00000077)	ND(0.000000073)	NA	ND(0.00000057)
1,2,3,7,8,9-HxCDD	NA	ND(0.00000078)	ND(0.000000076)	NA	ND(0.00000065)
HxCDDs (total)	NA	ND(0.0000020)	ND(0.000000094)	NA	ND(0.00000069)
1,2,3,4,6,7,8-HpCDD	NA	0.0000054 J	ND(0.00000013)	NA	ND(0.0000021)
HpCDDs (total)	NA	0.000010	ND(0.00000013)	NA	ND(0.0000021)
OCDD	NA	0.000028	ND(0.0000014)	NA	0.000012
Total TEQs (WHO TEFs)	NA	0.0000057	0.00000022	NA	0.0000016

TABLE 6-3
APPENDIX IX+3 DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
HILL 78 AREA REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA9-J3 5-6 10/22/04	RAA9-J4 0-1 10/22/04	RAA9-J19 6-15 10/27/04	RAA9-J19 12-14 10/27/04	RAA9-K21 0-1 10/29/04
Inorganics						
Arsenic		NA	6.80	3.10	NA	3.80
Barium		NA	30.0	13.0 B	NA	40.0
Beryllium		NA	0.310 B	0.150 B	NA	0.190 B
Cadmium		NA	0.160 B	ND(0.500)	NA	0.0810 B
Chromium		NA	7.60	4.50	NA	5.80
Cobalt		NA	11.0	3.20 B	NA	6.00
Copper		NA	19.0	11.0	NA	13.0
Cyanide		NA	ND(1.10)	0.0200 B	NA	ND(0.110)
Lead		NA	12.0	3.30	NA	12.0
Mercury		NA	0.0380 B	ND(0.110)	NA	ND(0.110)
Nickel		NA	17.0	6.90	NA	10.0
Selenium		NA	0.720 B	0.750 B	NA	0.570 B
Silver		NA	ND(1.00)	ND(1.00)	NA	ND(1.00)
Sulfide		NA	7.10	ND(5.40)	NA	8.70
Thallium		NA	ND(1.10)	ND(1.10)	NA	ND(1.10)
Tin		NA	3.20 B	3.20 B	NA	3.90 B
Vanadium		NA	8.40	4.40 B	NA	5.90
Zinc		NA	56.0	22.0	NA	33.0

TABLE 6-3
APPENDIX IX+3 DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
HILL 78 AREA REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA9-K24 0-1 10/29/04	RAA9-K24 1-6 10/29/04	RAA9-K24 4-6 10/29/04
Volatile Organics			
1,2,3-Trichloropropane	ND(0.0057)	NA	ND(0.0052)
Semivolatile Organics			
2-Methylnaphthalene	ND(0.38)	ND(0.35)	NA
Acenaphthene	ND(0.38)	ND(0.35)	NA
Acenaphthylene	ND(0.38)	ND(0.35)	NA
Anthracene	ND(0.38)	ND(0.35)	NA
Benzo(a)anthracene	ND(0.38)	ND(0.35)	NA
Benzo(a)pyrene	ND(0.38)	ND(0.35)	NA
Benzo(b)fluoranthene	ND(0.38)	ND(0.35)	NA
Benzo(g,h,i)perylene	ND(0.38)	ND(0.35)	NA
Benzo(k)fluoranthene	ND(0.38)	ND(0.35)	NA
Chrysene	ND(0.38)	ND(0.35)	NA
Dibenzo(a,h)anthracene	ND(0.38)	ND(0.35)	NA
Dibenzofuran	ND(0.38)	ND(0.35)	NA
Fluoranthene	0.084 J	ND(0.35)	NA
Fluorene	ND(0.38)	ND(0.35)	NA
Indeno(1,2,3-cd)pyrene	ND(0.38)	ND(0.35)	NA
Naphthalene	ND(0.38)	ND(0.35)	NA
Phenanthrene	ND(0.38)	ND(0.35)	NA
Pyrene	0.079 J	ND(0.35)	NA
Furans			
2,3,7,8-TCDF	0.00000060 Y	ND(0.00000038) Y	NA
TCDFs (total)	0.00000088	0.00000064	NA
1,2,3,7,8-PeCDF	ND(0.00000027)	ND(0.0000011)	NA
2,3,4,7,8-PeCDF	ND(0.00000037)	ND(0.0000013)	NA
PeCDFs (total)	ND(0.0000012)	ND(0.0000013)	NA
1,2,3,4,7,8-HxCDF	ND(0.00000052)	ND(0.0000014)	NA
1,2,3,6,7,8-HxCDF	ND(0.00000028)	ND(0.0000014)	NA
1,2,3,7,8,9-HxCDF	ND(0.00000017)	ND(0.0000015)	NA
2,3,4,6,7,8-HxCDF	ND(0.00000029)	ND(0.0000015)	NA
HxCDFs (total)	ND(0.0000012)	ND(0.0000015)	NA
1,2,3,4,6,7,8-HpCDF	ND(0.0000023)	ND(0.0000018)	NA
1,2,3,4,7,8,9-HpCDF	ND(0.00000023)	ND(0.0000017)	NA
HpCDFs (total)	ND(0.0000023)	ND(0.0000018)	NA
OCDF	ND(0.0000041)	ND(0.0000038)	NA
Dioxins			
2,3,7,8-TCDD	ND(0.00000011)	ND(0.00000041)	NA
TCDDs (total)	ND(0.00000017)	ND(0.00000041)	NA
1,2,3,7,8-PeCDD	ND(0.00000020)	ND(0.0000012)	NA
PeCDDs (total)	ND(0.00000033)	ND(0.0000012)	NA
1,2,3,4,7,8-HxCDD	ND(0.00000020)	ND(0.0000016)	NA
1,2,3,6,7,8-HxCDD	ND(0.00000028)	ND(0.0000013)	NA
1,2,3,7,8,9-HxCDD	ND(0.00000033)	ND(0.0000015)	NA
HxCDDs (total)	ND(0.0000017)	ND(0.0000016)	NA
1,2,3,4,6,7,8-HpCDD	0.0000056	ND(0.0000023)	NA
HpCDDs (total)	0.000011	ND(0.0000023)	NA
OCDD	0.000043	0.0000073 J	NA
Total TEQs (WHO TEFs)	0.00000049	0.0000017	NA

TABLE 6-3
APPENDIX IX+3 DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
HILL 78 AREA REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA9-K24 0-1 10/29/04	RAA9-K24 1-6 10/29/04	RAA9-K24 4-6 10/29/04
Inorganics				
Arsenic		4.00	1.10	NA
Barium		44.0	15.0 B	NA
Beryllium		0.210 B	0.120 B	NA
Cadmium		0.0980 B	ND(0.500)	NA
Chromium		6.80	3.10	NA
Cobalt		6.80	5.90	NA
Copper		12.0	7.80	NA
Cyanide		0.0700 B	0.0340 B	NA
Lead		22.0	4.30	NA
Mercury		0.0580 B	ND(0.100)	NA
Nickel		9.40	6.30	NA
Selenium		1.10	ND(1.00)	NA
Silver		0.110 B	ND(1.00)	NA
Sulfide		5.40 B	5.00 B	NA
Thallium		ND(1.10)	ND(1.00)	NA
Tin		3.60 B	2.60 B	NA
Vanadium		8.30	3.10 B	NA
Zinc		48.0	22.0	NA

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS 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)

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 PQL.

ITEM 7
PLANT AREA
UNKAMET BROOK AREA
(GECD170)
NOVEMBER 2004

a. Activities Undertaken/Completed

- Continued pre-design soil/sediment sampling, including additional sampling of a portion of the northern inundated wetland area, as proposed in the Interim Pre-Design Investigation Report (approved by EPA in September 2004)*

- Notified MDEP of Potential Imminent Hazards (PIHs) (as defined in the MCP) within Parcel L12-1-3 at soil sample locations RAA10-E-CC4 and RAA10-E-DD5 and within Parcel L12-1-4 at soil sample location RAA10-E-DD7 (November 4, 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 sampling.*

- Initiate preparation of letter report on additional sampling from the northern inundated wetland area (due on or before January 7, 2005).*

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 NOVEMBER 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 Investigation Supplemental Wetland Sampling	RAA10-N-KL18.5	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-L16.5	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-L17	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-L17.5	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-L18	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-L18.5	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-L19	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-L19.5	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-LM16	11/15/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-LM16.5	11/15/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-LM17	11/15/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-LM17.5	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-LM18	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-LM18.5	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-LM19	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-LM19.5	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-LM20	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-M15.5	11/15/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-M16.5	11/15/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-M17	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-M17.5	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-M18.5	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-M19	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-M19.5	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-M20.5	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-MN15.5	11/15/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-MN16	11/15/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-MN16.5	11/15/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-MN17	11/16/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-MN17.5	11/16/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-MN18	11/16/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-MN18.5	11/16/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-MN19	11/16/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-MN19.5	11/16/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-MN20	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-MN20.5	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-MN21	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-N16.5	11/15/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-N17	11/15/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-N17.5	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-N19	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-N19.5	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-N20	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-N20.5	11/17/04	0-1	Sediment	SGS	PCB	11/29/04

TABLE 7-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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 Investigation Supplemental Wetland Sampling	RAA10-N-N21	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-NO16.5	11/15/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-NO17	11/15/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-NO17.5	11/15/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-NO19.5	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-NO20	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-NO20.5	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-NO21	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-NO21.5	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-O20.5	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-O21	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-O21.5	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-OP20	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-OP20.5	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-OP21	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-OP21.5	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-OP22	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-P20	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-P20.5	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-P21	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-P21.5	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-P22	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-P22.5	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-PQ20	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-PQ20.5	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-PQ21	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-PQ21.5	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-PQ22	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-PQ22.5	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-Q20.5	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-Q21	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-Q21.5	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-Q22.5	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-QR20.5	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-QR21	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-QR21.5	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-QR22	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-QR22.5	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-R21	11/19/04	0-1	Sediment	SGS	PCB	11/30/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-R21.5	11/19/04	0-1	Sediment	SGS	PCB	11/30/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-R22	11/19/04	0-1	Sediment	SGS	PCB	11/30/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-R22.5	11/19/04	0-1	Sediment	SGS	PCB	11/30/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-RS21	11/19/04	0-1	Sediment	SGS	PCB	11/30/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-RS21.5	11/19/04	0-1	Sediment	SGS	PCB	11/30/04

TABLE 7-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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 Investigation Supplemental Wetland Sampling	RAA10-N-RS22	11/19/04	0-1	Sediment	SGS	PCB	11/30/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-RS22.5	11/19/04	0-1	Sediment	SGS	PCB	11/30/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-RS23	11/19/04	0-1	Sediment	SGS	PCB	11/30/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-S21.5	11/19/04	0-1	Sediment	SGS	PCB	11/30/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-S22.5	11/19/04	0-1	Sediment	SGS	PCB	11/30/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-S23	11/19/04	0-1	Sediment	SGS	PCB	11/30/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-ST21.5	11/22/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-ST22	11/22/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-ST22.5	11/22/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-ST23	11/22/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-T21.5	11/22/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-T22	11/22/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-T22.5	11/22/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-T23	11/22/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-TU21.5	11/22/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-TU22	11/22/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-TU22.5	11/22/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-TU23	11/22/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-U21.5	11/22/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-U22.5	11/22/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-U23	11/22/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-UV21.5	11/23/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-UV22	11/23/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-UV22.5	11/23/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-UV23	11/23/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-V21.5	11/23/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-V22	11/23/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-V22.5	11/23/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-VW21.5	11/23/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-VW22	11/23/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-VW22.5	11/23/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-VW23	11/23/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-W21.5	11/23/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-W22.5	11/23/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-N-W23	11/23/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-UBN-DUP-1 (RAA10-N-N17)	11/15/04	0-1	Sediment	SGS	PCB	11/19/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-UBN-DUP-2 (RAA10-N-MN20.5)	11/16/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-UBN-DUP-3 (RAA10-N-N20.5)	11/17/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-UBN-DUP-4 (RAA10-N-PQ20.5)	11/18/04	0-1	Sediment	SGS	PCB	11/29/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-UBN-DUP-5 (RAA10-N-R22)	11/19/04	0-1	Sediment	SGS	PCB	11/30/04
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-UBN-DUP-6 (RAA10-N-TU21.5)	11/22/04	0-1	Sediment	SGS	PCB	
Pre-Design Investigation Supplemental Wetland Sampling	RAA10-UBN-DUP-7 (RAA10-N-VW22.5)	11/23/04	0-1	Sediment	SGS	PCB	
Pre-Design Soil Investigation Sampling	RAA10-DUP-109 (RAA10-E-DD5)	10/19/04	0-1	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	11/3/04
Pre-Design Soil Investigation Sampling	RAA10-DUP-110 (RAA10-E-DD5)	10/19/04	0-1	Soil	SGS	VOC	11/3/04

TABLE 7-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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-AA12	10/15/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics,	11/1/04
Pre-Design Soil Investigation Sampling	RAA10-E-BB7	10/15/04	0-1	Soil	SGS	PCB	11/1/04
Pre-Design Soil Investigation Sampling	RAA10-E-BB9	10/15/04	0-1	Soil	SGS	PCB	11/1/04
Pre-Design Soil Investigation Sampling	RAA10-E-CC10	10/19/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics,	11/3/04
Pre-Design Soil Investigation Sampling	RAA10-E-CC4	10/19/04	0-1	Soil	SGS	PCB	11/3/04
Pre-Design Soil Investigation Sampling	RAA10-E-CC5	10/19/04	0-1	Soil	SGS	PCB	11/3/04
Pre-Design Soil Investigation Sampling	RAA10-E-CC6	10/19/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics,	11/3/04
Pre-Design Soil Investigation Sampling	RAA10-E-CC7	10/19/04	0-1	Soil	SGS	PCB	11/3/04
Pre-Design Soil Investigation Sampling	RAA10-E-CC8	10/19/04	0-1	Soil	SGS	PCB	11/3/04
Pre-Design Soil Investigation Sampling	RAA10-E-DD5	10/19/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics,	11/3/04
Pre-Design Soil Investigation Sampling	RAA10-E-DD7	10/19/04	0-1	Soil	SGS	PCB	11/3/04
Pre-Design Soil Investigation Sampling	RAA10-E-EE6	10/19/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics,	11/3/04
Pre-Design Soil Investigation Sampling	RAA10-E-EE7	10/19/04	0-1	Soil	SGS	PCB	11/3/04
Pre-Design Soil Investigation Sampling	RAA10-E-EE8	10/19/04	0-1	Soil	SGS	PCB	11/3/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z9	10/15/04	0-1	Soil	SGS	PCB	11/1/04
Waste Solvent Drum Sampling	12X-F0473-Solvent-1	11/4/04	NA	Liquid	SGS	PCB	11/11/04

Note:
1. Field duplicate sample locations are presented in parenthesis.

TABLE 7-2
PCB DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
UNKAMET BROOK 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
RAA10-E-AA12	0-1	10/15/2004	ND(0.036)	0.49	0.59	1.08
RAA10-E-BB7	0-1	10/15/2004	ND(3.6)	ND(3.6)	45	45
RAA10-E-BB9	0-1	10/15/2004	ND(0.38)	5.2	10	15.2
RAA10-E-CC4	0-1	10/19/2004	ND(0.40)	6.1	15	21.1
RAA10-E-CC5	0-1	10/19/2004	ND(0.21)	1.3	3.4	4.7
RAA10-E-CC6	0-1	10/19/2004	ND(0.035)	0.41	0.75	1.16
RAA10-E-CC7	0-1	10/19/2004	ND(1.9)	ND(1.9)	22	22
RAA10-E-CC8	0-1	10/19/2004	ND(0.037)	0.65	1.2	1.85
RAA10-E-CC10	0-1	10/19/2004	ND(0.039)	0.30	0.24	0.54
RAA10-E-DD5	0-1	10/19/2004	ND(1.9) [ND(1.9)]	37 [31]	ND(1.9) [7.0]	37 [38]
RAA10-E-DD7	0-1	10/19/2004	ND(0.36)	5.0	10	15
RAA10-E-EE6	0-1	10/19/2004	ND(0.18)	2.0	2.4	4.4
RAA10-E-EE7	0-1	10/19/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-EE8	0-1	10/19/2004	ND(0.035)	0.26	0.17	0.43
RAA10-E-Z9	0-1	10/15/2004	ND(3.8)	64	ND(3.8)	64

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS 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 7-3
APPENDIX IX+3 DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-AA12 0-1 10/15/04	RAA10-E-CC6 0-1 10/19/04	RAA10-E-CC10 0-1 10/19/04	RAA10-E-DD5 0-1 10/19/04	RAA10-E-EE6 0-1 10/19/04
Volatile Organics					
Acetone	ND(0.022)	ND(0.021)	ND(0.024)	0.0073 J [0.010 J]	ND(0.021)
Semivolatile Organics					
1,2,4-Trichlorobenzene	ND(0.36)	ND(0.35)	ND(0.39)	0.73 [0.92]	ND(0.36)
1,3-Dichlorobenzene	ND(0.36)	ND(0.35)	ND(0.39)	0.10 J [0.14 J]	ND(0.36)
1,4-Dichlorobenzene	ND(0.36)	ND(0.35)	ND(0.39)	0.34 J [0.43]	ND(0.36)
2-Methylnaphthalene	0.093 J	ND(0.35)	ND(0.39)	0.30 J [ND(0.39)]	ND(0.36)
2-Methylphenol	ND(0.36)	ND(0.35)	ND(0.39)	0.14 J [ND(0.39)]	ND(0.36)
3&4-Methylphenol	ND(0.73)	ND(0.70)	ND(0.79)	0.26 J [ND(0.78)]	ND(0.71)
Acenaphthene	ND(0.36)	ND(0.35)	ND(0.39)	0.94 [6.0]	ND(0.36)
Acenaphthylene	5.2	ND(0.35)	ND(0.39)	0.14 J [0.20 J]	0.16 J
Aniline	ND(0.36)	ND(0.35)	ND(0.39)	1.3 [1.4]	ND(0.36)
Anthracene	2.8	ND(0.35)	ND(0.39)	0.72 [1.9]	0.52
Benzo(a)anthracene	11	ND(0.35)	ND(0.39)	0.84 [2.1]	1.7
Benzo(a)pyrene	4.8	ND(0.35)	ND(0.39)	0.54 [1.3]	0.97
Benzo(b)fluoranthene	4.2	ND(0.35)	ND(0.39)	0.45 [1.2]	0.85
Benzo(g,h,i)perylene	2.4	ND(0.35)	ND(0.39)	0.42 [0.81]	0.59
Benzo(k)fluoranthene	6.5	ND(0.35)	ND(0.39)	0.61 [1.2]	0.98
bis(2-Chloroethyl)ether	ND(0.36)	ND(0.35)	ND(0.39)	1.6 [ND(0.39)]	ND(0.36)
bis(2-Ethylhexyl)phthalate	ND(0.36)	ND(0.35)	0.14 J	ND(0.38) [ND(0.38)]	ND(0.35)
Chrysene	12	0.076 J	ND(0.39)	0.96 [2.3]	1.7
Dibenzo(a,h)anthracene	0.94	ND(0.35)	ND(0.39)	0.13 J [0.30 J]	0.22 J
Dibenzofuran	0.092 J	ND(0.35)	ND(0.39)	0.83 [4.4]	ND(0.36)
Di-n-Butylphthalate	ND(0.36)	ND(0.35)	ND(0.39)	0.10 J [ND(0.39)]	ND(0.36)
Fluoranthene	14	ND(0.35)	ND(0.39)	2.6 [7.2]	2.9
Fluorene	ND(0.36)	ND(0.35)	ND(0.39)	0.86 [4.9]	0.12 J
Indeno(1,2,3-cd)pyrene	2.3	ND(0.35)	ND(0.39)	0.33 J [0.72]	0.50
Naphthalene	0.096 J	ND(0.35)	ND(0.39)	0.42 [0.98]	ND(0.36)
Phenanthrene	0.68	ND(0.35)	ND(0.39)	3.2 [12]	1.2
Phenol	ND(0.36)	ND(0.35)	ND(0.39)	0.15 J [ND(0.39)]	ND(0.36)
Pyrene	13	ND(0.35)	ND(0.39)	2.0 [5.4]	2.2
Furans					
2,3,7,8-TCDF	0.000017 Y	0.0000056 Y	0.0000023 Y	0.00032 Y [0.00024 Y]	0.000026 Y
TCDFs (total)	0.00036 Q	0.000091 I	0.000053 I	0.0026 QI [0.0026 QI]	0.00029 QI
1,2,3,7,8-PeCDF	0.0000071 Q	0.0000038 JQ	0.0000014 J	0.000071 [0.000076]	0.000022
2,3,4,7,8-PeCDF	0.000033 Q	0.000026 Q	0.000012	0.00017 [0.00020]	0.000061
PeCDFs (total)	0.00025 Q	0.00037 QI	0.00018 I	0.0015 Q [0.0014 Q]	0.00055 Q
1,2,3,4,7,8-HxCDF	0.000016	0.000015	0.0000074	0.00020 [0.00021]	0.00010
1,2,3,6,7,8-HxCDF	0.000012	0.000012	0.0000051 J	0.00011 [0.00012]	0.000040
1,2,3,7,8,9-HxCDF	ND(0.0000045)	0.0000042 J	ND(0.0000033)	0.000033 [0.000033 Q]	0.000015 Q
2,3,4,6,7,8-HxCDF	0.000021	0.000038	0.000018	0.00014 [0.00015]	0.000037
HxCDFs (total)	0.00029	0.00049 Q	0.00030	0.0013 [0.0014 Q]	0.00055 Q
1,2,3,4,6,7,8-HpCDF	0.000033	0.000044	0.000045	0.00036 [0.00032]	0.000099
1,2,3,4,7,8,9-HpCDF	0.0000042 J	0.0000062	0.0000042 J	0.000046 [0.000049]	0.000043
HpCDFs (total)	0.000070	0.00012	0.00013	0.00055 [0.00052]	0.00024
OCDF	0.000040	0.000028	0.000036	0.00024 [0.00030]	0.00024

TABLE 7-3
APPENDIX IX+3 DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-E-AA12 0-1 10/15/04	RAA10-E-CC6 0-1 10/19/04	RAA10-E-CC10 0-1 10/19/04	RAA10-E-DD5 0-1 10/19/04	RAA10-E-EE6 0-1 10/19/04
Dioxins					
2,3,7,8-TCDD	0.0000031 Q	ND(0.00000033)	ND(0.00000028)	0.0000032 [0.0000033]	0.00000064 J
TCDDs (total)	0.0000088 Q	ND(0.00000064)	ND(0.00000066)	0.000048 Q [0.000058 Q]	0.0000044 Q
1,2,3,7,8-PeCDD	ND(0.0000014) X	0.0000017 J	ND(0.00000061) X	0.000011 [ND(0.000014) X]	0.0000040 J
PeCDDs (total)	0.000019 Q	0.000016 Q	0.0000044 J	0.000082 Q [0.000087 Q]	0.000024 Q
1,2,3,4,7,8-HxCDD	ND(0.0000018)	0.0000012 J	ND(0.0000010)	0.0000084 [0.0000089]	0.0000030 J
1,2,3,6,7,8-HxCDD	0.0000031 J	0.0000048 J	0.000011	0.000010 [0.0000099]	0.0000058
1,2,3,7,8,9-HxCDD	0.0000024 J	0.0000023 J	0.0000053 J	0.0000093 [0.0000095]	0.0000046 J
HxCDDs (total)	0.000042	0.000044 Q	0.000079	0.00011 [0.00011]	0.000067
1,2,3,4,6,7,8-HpCDD	0.000049	0.000022	0.00015	0.000046 [0.000041]	0.000056
HpCDDs (total)	0.00011	0.000056	0.00036	0.000093 [0.000082]	0.00014
OCDD	0.00041	0.00030	0.0019	0.00020 [0.00019]	0.0010
Total TEQs (WHO TEFs)	0.000029	0.000024	0.000014	0.00019 [0.00020]	0.000061
Inorganics					
Antimony	1.20 B	ND(6.00)	1.40 B	1.00 B [1.00 B]	1.30 B
Arsenic	16.0	3.70	3.00	5.60 [6.00]	3.10
Barium	18.0 B	18.0 B	28.0	43.0 [40.0]	22.0
Beryllium	0.160 B	0.150 B	0.200 B	0.260 B [0.220 B]	0.140 B
Cadmium	0.110 B	0.310 B	0.190 B	0.610 [0.630]	0.300 B
Chromium	4.70	5.00	9.00	11.0 [9.00]	4.60
Cobalt	3.30 B	5.80	3.10 B	5.80 [6.60]	4.10 B
Copper	14.0	15.0	11.0	100 [80.0]	15.0
Cyanide	0.170	ND(0.100)	0.170	0.0870 B [0.0670 B]	ND(0.210)
Lead	22.0	9.80	4.50	100 [73.0]	13.0
Mercury	0.0420 B	0.0120 B	ND(0.120)	0.880 [0.890]	0.0170 B
Nickel	8.20	8.70	8.00	11.0 [12.0]	7.70
Selenium	0.710 B	ND(1.00)	ND(1.00)	ND(1.00) [ND(1.00)]	ND(1.00)
Sulfide	16.0	6.70	13.0	41.0 [20.0]	ND(5.30)
Tin	3.80 B	3.10 B	4.40 B	9.40 B [8.10 B]	3.80 B
Vanadium	8.20	6.10	11.0	8.70 [8.00]	5.10
Zinc	27.0	34.0	25.0	110 [92.0]	32.0

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
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 those constituents detected in one or more samples are summarized.
5. Field duplicate sample results are presented in brackets.

Data Qualifiers:

Organics (volatiles, semivolatiles, dioxin/furans)
- 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 PQL.

TABLE 7-4
PCB DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN INVESTIGATION SUPPLEMENTAL WETLAND SAMPLING
UNKAMET BROOK 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	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-N-KL18.5	0-1	11/17/2004	ND(0.14)	ND(0.14)	0.084 J	0.074 J	0.158 J
RAA10-N-L16.5	0-1	11/17/2004	ND(0.20)	ND(0.20)	0.75	0.52	1.27
RAA10-N-L17	0-1	11/17/2004	ND(0.26)	ND(0.26)	0.36	0.22 J	0.58
RAA10-N-L17.5	0-1	11/17/2004	ND(0.17)	ND(0.17)	0.11 J	0.12 J	0.23 J
RAA10-N-L18	0-1	11/16/2004	ND(0.19)	ND(0.19)	1.4	0.40	1.8
RAA10-N-L18.5	0-1	11/16/2004	ND(0.097)	ND(0.097)	0.10	0.062 J	0.162
RAA10-N-L19	0-1	11/16/2004	ND(0.095)	ND(0.095)	0.45	0.15	0.60
RAA10-N-L19.5	0-1	11/16/2004	ND(0.12)	ND(0.12)	0.89	0.21	1.1
RAA10-N-LM16	0-1	11/15/2004	ND(0.23)	ND(0.23)	1.2	0.57	1.77
RAA10-N-LM16.5	0-1	11/15/2004	ND(0.19)	ND(0.19)	0.80	0.72	1.52
RAA10-N-LM17	0-1	11/15/2004	ND(0.18)	ND(0.18)	2.2	0.98	3.18
RAA10-N-LM17.5	0-1	11/16/2004	ND(0.19)	ND(0.19)	0.65	0.61	1.26
RAA10-N-LM18	0-1	11/16/2004	ND(0.25)	ND(0.25)	0.82	0.77	1.59
RAA10-N-LM18.5	0-1	11/16/2004	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
RAA10-N-LM19	0-1	11/16/2004	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)
RAA10-N-LM19.5	0-1	11/16/2004	ND(0.099)	ND(0.099)	0.082 J	0.075 J	0.157 J
RAA10-N-LM20	0-1	11/16/2004	ND(0.091)	ND(0.091)	0.44	0.22	0.66
RAA10-N-M15.5	0-1	11/15/2004	ND(0.18)	ND(0.18)	1.8	2.0	3.8
RAA10-N-M16.5	0-1	11/15/2004	ND(0.19)	ND(0.19)	1.0	0.85	1.85
RAA10-N-M17	0-1	11/16/2004	ND(0.16)	ND(0.16)	0.69	0.59	1.28
RAA10-N-M17.5	0-1	11/16/2004	ND(0.17)	ND(0.17)	0.13 J	0.074 J	0.204 J
RAA10-N-M18.5	0-1	11/16/2004	ND(0.11)	ND(0.11)	0.21	0.16	0.37
RAA10-N-M19	0-1	11/16/2004	ND(0.086)	ND(0.086)	0.36	0.14	0.50
RAA10-N-M19.5	0-1	11/16/2004	ND(0.12)	ND(0.12)	0.61	0.26	0.87
RAA10-N-M20.5	0-1	11/16/2004	ND(0.061)	ND(0.061)	0.21	0.023 J	0.233
RAA10-N-MN15.5	0-1	11/15/2004	ND(0.14)	ND(0.14)	1.1	2.0	3.1
RAA10-N-MN16	0-1	11/15/2004	ND(0.16)	ND(0.16)	0.60	0.72	1.32
RAA10-N-MN16.5	0-1	11/15/2004	ND(0.20)	ND(0.20)	1.7	1.6	3.3
RAA10-N-MN17	0-1	11/16/2004	ND(0.18)	ND(0.18)	2.0	1.8	3.8
RAA10-N-MN17.5	0-1	11/16/2004	ND(0.25)	ND(0.25)	1.5	1.6	3.1
RAA10-N-MN18	0-1	11/16/2004	ND(0.16)	0.21	0.71	0.43	1.35
RAA10-N-MN18.5	0-1	11/16/2004	ND(0.13)	0.20	0.55	0.42	1.17
RAA10-N-MN19	0-1	11/16/2004	ND(0.093)	ND(0.093)	0.14	0.12	0.26
RAA10-N-MN19.5	0-1	11/16/2004	ND(0.13)	ND(0.13)	0.46	0.25	0.71
RAA10-N-MN20	0-1	11/16/2004	ND(0.10)	ND(0.10)	0.53	0.15	0.68
RAA10-N-MN20.5	0-1	11/16/2004	ND(0.067) [ND(0.080)]	ND(0.067) [ND(0.080)]	0.071 [0.14]	0.027 J [0.042 J]	0.098 [0.182]
RAA10-N-MN21	0-1	11/16/2004	ND(0.079)	ND(0.079)	0.096	0.084	0.18
RAA10-N-N16.5	0-1	11/15/2004	ND(0.19)	ND(0.19)	1.6	1.7	3.3
RAA10-N-N17	0-1	11/15/2004	ND(0.21) [ND(0.23)]	ND(0.21) [ND(0.23)]	2.0 [1.8]	1.4 [1.1]	3.4 [2.9]
RAA10-N-N17.5	0-1	11/17/2004	ND(0.12)	ND(0.12)	0.74	0.55	1.29
RAA10-N-N19	0-1	11/17/2004	ND(0.14)	ND(0.14)	0.74	0.39	1.13
RAA10-N-N19.5	0-1	11/17/2004	ND(0.080)	ND(0.080)	0.20	0.12	0.32
RAA10-N-N20	0-1	11/17/2004	ND(0.086)	ND(0.086)	0.12	0.073 J	0.193
RAA10-N-N20.5	0-1	11/17/2004	ND(0.079) [ND(0.080)]	ND(0.079) [ND(0.080)]	0.14 [0.12]	0.16 [0.14]	0.30 [0.26]
RAA10-N-N21	0-1	11/17/2004	ND(0.075)	ND(0.075)	0.066 J	0.11	0.176
RAA10-N-NO16.5	0-1	11/15/2004	ND(0.20)	0.56	1.7	1.7	3.96
RAA10-N-NO17	0-1	11/15/2004	ND(0.20)	ND(0.20)	0.24	0.18 J	0.42
RAA10-N-NO17.5	0-1	11/15/2004	ND(0.26)	0.85	4.5	2.8	8.15
RAA10-N-NO19.5	0-1	11/17/2004	ND(0.10)	0.24	0.52	0.72	1.48
RAA10-N-NO20	0-1	11/17/2004	ND(0.080)	ND(0.080)	0.13	0.096	0.226
RAA10-N-NO20.5	0-1	11/17/2004	ND(0.080)	ND(0.080)	0.18	0.18	0.36
RAA10-N-NO21	0-1	11/17/2004	ND(0.083)	ND(0.083)	0.13	0.12	0.25
RAA10-N-NO21.5	0-1	11/17/2004	ND(0.075)	ND(0.075)	0.052 J	0.057 J	0.109 J
RAA10-N-O20.5	0-1	11/17/2004	ND(0.076)	ND(0.076)	0.14	0.16	0.30
RAA10-N-O21	0-1	11/17/2004	ND(0.085)	ND(0.085)	0.13	0.17	0.30
RAA10-N-O21.5	0-1	11/17/2004	ND(0.075)	ND(0.075)	0.081	0.11	0.191
RAA10-N-OP20	0-1	11/17/2004	ND(0.080)	ND(0.080)	0.23	0.12	0.35
RAA10-N-OP20.5	0-1	11/17/2004	ND(0.083)	ND(0.083)	0.38	0.16	0.54

TABLE 7-4
PCB DATA RECEIVED DURING NOVEMBER 2004

PRE-DESIGN INVESTIGATION SUPPLEMENTAL WETLAND SAMPLING
UNKAMET BROOK 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	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-N-OP21	0-1	11/17/2004	ND(0.087)	ND(0.087)	0.28	0.17	0.45
RAA10-N-OP21.5	0-1	11/17/2004	ND(0.088)	ND(0.088)	ND(0.088)	0.033 J	0.033 J
RAA10-N-OP22	0-1	11/17/2004	ND(0.082)	ND(0.082)	0.14	0.098	0.238
RAA10-N-P20	0-1	11/18/2004	ND(0.22)	ND(0.22)	1.6	1.4	3.0
RAA10-N-P20.5	0-1	11/18/2004	ND(0.085)	ND(0.085)	0.22	0.14	0.36
RAA10-N-P21	0-1	11/18/2004	ND(0.093)	ND(0.093)	0.44	0.12	0.56
RAA10-N-P21.5	0-1	11/18/2004	ND(0.098)	ND(0.098)	0.18	0.082 J	0.262
RAA10-N-P22	0-1	11/18/2004	ND(0.075)	ND(0.075)	0.11	0.057 J	0.167
RAA10-N-P22.5	0-1	11/18/2004	ND(0.067)	ND(0.067)	0.054 J	0.054 J	0.108 J
RAA10-N-PQ20	0-1	11/18/2004	ND(0.17)	0.89	1.7	0.92	3.51
RAA10-N-PQ20.5	0-1	11/18/2004	ND(0.13) [ND(0.14)]	0.91 [0.59]	2.1 [1.4]	1.0 [0.70]	4.01 [2.69]
RAA10-N-PQ21	0-1	11/18/2004	ND(0.090)	ND(0.090)	0.29	0.19	0.48
RAA10-N-PQ21.5	0-1	11/18/2004	ND(0.11)	ND(0.11)	0.22	0.20	0.42
RAA10-N-PQ22	0-1	11/18/2004	ND(0.090)	ND(0.090)	0.12	0.060 J	0.18
RAA10-N-PQ22.5	0-1	11/18/2004	ND(0.082)	ND(0.082)	0.077 J	0.080 J	0.157 J
RAA10-N-Q20.5	0-1	11/18/2004	ND(0.10)	0.38	0.49	0.23	1.1
RAA10-N-Q21	0-1	11/18/2004	ND(0.15)	0.23	0.64	0.32	1.19
RAA10-N-Q21.5	0-1	11/18/2004	ND(0.085)	ND(0.085)	0.31	0.14	0.45
RAA10-N-Q22.5	0-1	11/18/2004	ND(0.090)	ND(0.090)	ND(0.090)	0.18	0.18
RAA10-N-QR20.5	0-1	11/18/2004	ND(0.14)	3.1	2.3	1.6	7.0
RAA10-N-QR21	0-1	11/18/2004	ND(0.20)	1.5	5.0	1.6	8.1
RAA10-N-QR21.5	0-1	11/18/2004	ND(0.082)	ND(0.082)	0.45	0.13	0.58
RAA10-N-QR22	0-1	11/18/2004	ND(0.092)	ND(0.092)	0.14	0.12	0.26
RAA10-N-QR22.5	0-1	11/18/2004	ND(0.082)	ND(0.082)	0.44	0.16	0.60
RAA10-N-R21	0-1	11/19/2004	ND(0.18)	0.22	0.37	0.19	0.78
RAA10-N-R21.5	0-1	11/19/2004	ND(0.10)	ND(0.10)	0.36	0.19	0.55
RAA10-N-R22	0-1	11/19/2004	ND(0.12) [ND(0.11)]	ND(0.12) [ND(0.11)]	0.79 [0.56]	0.54 [0.38]	1.33 [0.94]
RAA10-N-R22.5	0-1	11/19/2004	ND(0.11)	ND(0.11)	0.63	0.42	1.05
RAA10-N-RS21	0-1	11/19/2004	ND(0.13)	2.5	1.9	1.8	6.2
RAA10-N-RS21.5	0-1	11/19/2004	ND(0.12)	0.37	1.8	0.97	3.14
RAA10-N-RS22	0-1	11/19/2004	ND(0.11)	0.57	1.1	0.50	2.17
RAA10-N-RS22.5	0-1	11/19/2004	ND(0.11)	ND(0.11)	0.46	0.33	0.79
RAA10-N-RS23	0-1	11/19/2004	ND(0.079)	ND(0.079)	0.24	0.16	0.40
RAA10-N-S21.5	0-1	11/19/2004	ND(0.11)	0.67	1.4	0.72	2.79
RAA10-N-S22.5	0-1	11/19/2004	ND(0.11)	ND(0.11)	0.36	0.25	0.61
RAA10-N-S23	0-1	11/19/2004	ND(0.084)	ND(0.084)	0.18	0.13	0.31

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS 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).

TABLE 7-5
PCB DATA RECEIVED DURING NOVEMBER 2004

WASTE SOLVENT DRUM SAMPLING
UNKAMET BROOK AREA
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-F0473-SOLVENT-1	11/4/2004	ND(0.25)	0.87	1.7	2.57

Notes:

1. Sample was collected by Blasland, Bouck & Lee, Inc. and submitted to SGS 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)
NOVEMBER 2004

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

a. Activities Undertaken/Completed

Initiated preparation of Conceptual RD/RA Work Plan.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Submit Conceptual RD/RA Work Plan to EPA (due on or before January 14, 2005).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 9
LYMAN STREET AREA
(GECD430)
NOVEMBER 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)

If additional sampling is required based on EPA's review of GE's Conceptual RD/RA Work Plan, submit proposal for such sampling.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

GE and EPA are currently discussing issues relating to GE's Conceptual RD/RA Work Plan submitted on March 23, 2004.

f. Proposed/Approved Work Plan Modifications

None

ITEM 10
NEWELL STREET AREA I
(GECD440)
NOVEMBER 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)

- Submit revised draft EREs for GE-owned properties to EPA and MDEP and work on obtaining subordination agreements for easements at those properties.

- Upon receipt of EPA approval and MDEP acceptance of ERE for Parcel J9-23-24, record that ERE.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

- Based on an October 19, 2004 meeting with the property owner of Parcels J9-23-19, -20, and -21, it was decided that remediation at that property would be deferred until the 2005 construction season.

- To date, the owner of Parcel J9-23-13 has not granted access for remediation.

f. Proposed/Approved Work Plan Modifications

None

ITEM 11
NEWELL STREET AREA II
(GECD450)
NOVEMBER 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)

- Initiate development of Final RD/RA Work Plan (due on or before March 4, 2005).
- Submit draft EREs for GE-owned properties to EPA and MDEP for review.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received Conditional Approval Letter from EPA for Conceptual RD/RA Work Plan (November 4, 2004).

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

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

a. Activities Undertaken/Completed

Completed preparation of letter report for additional supplemental soil sampling.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted letter report on additional supplemental soil sampling (November 24, 2004).

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

Initiate preparation of Conceptual RD/RA Work Plan (due within 2 months of EPA approval of additional supplemental soil sampling letter report submitted on November 24, 2004).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 13
HOUSATONIC RIVER AREA
UPPER ½ MILE REACH
(GECD800)
NOVEMBER 2004

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

a. Activities Undertaken/Completed

On November 5, 2004, storm event water column sampling was conducted at two locations (Location 2 – Newell Street Bridge and Location 4 – Lyman Street Bridge). The collected samples were submitted to Northeast Analytical for analysis of PCBs and TSS.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

- Submitted Restored Bank Vegetation Inspection Report – Spring 2004 (November 8, 2004).

- Submitted Restored Bank Vegetation and Aquatic Habitat Structures Inspection Report – Fall 2004 (November 8, 2004).

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

Conduct seepage meter monitoring when water levels allow.

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. The 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

TABLE 13-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2004

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Storm Event Water Column Sampling	Location-2	11/5/04	Water	NEA	PCB, PCB (f), TSS	11/23/04
Storm Event Water Column Sampling	Location-4	11/5/04	Water	NEA	PCB, PCB (f), TSS	11/23/04

TABLE 13-2
SAMPLE DATA RECEIVED DURING NOVEMBER 2004

STORM EVENT WATER COLUMN SAMPLING
HOUSATONIC RIVER - UPPER 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
LOCATION 2	Newell Street Bridge	11/5/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	4.50
LOCATION 2 (FILTERED)	Newell Street Bridge	11/5/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	NA
LOCATION 4	Lyman Street Bridge	11/5/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	4.10
LOCATION 4 (FILTERED)	Lyman Street Bridge	11/5/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	NA

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. for analysis of PCBs (filtered and unfiltered) and total suspended solids (TSS).
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. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

ITEM 14
HOUSATONIC RIVER AREA
1½-MILE REACH
(GECD820)
NOVEMBER 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 November 23, 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.)

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 Housatonic River monthly water column monitoring.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 14-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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	11/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-4	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/30/04
Monthly Water Column Sampling	Location-6A	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/30/04
Monthly Water Column Sampling	Location-6A	11/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	

TABLE 14-2
SAMPLE DATA RECEIVED DURING NOVEMBER 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	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
LOCATION-4	Lyman Street Bridge	10/28/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.328	2.30	0.00090
LOCATION-6A	Pomeroy Ave. Bridge	10/28/2004	ND(0.0000220)	0.0000230 PE	ND(0.0000220)	0.000140 AG	0.000163	0.329	3.50	0.00080

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. 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. 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.

ITEM 15
HOUSATONIC RIVER AREA
REST OF THE RIVER
(GECD850)
NOVEMBER 2004

a. Activities Undertaken/Completed

- On November 23, 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 November 23, 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).

- Conducted bi-annual structural integrity inspection of Woods Pond Dam (November 10, 2004).

- Conducted dam assessment training (November 10, 2004).

- Received EPA's revised draft Ecological Risk Assessment; began review of same.*

b. Sampling/Test Results

See attached tables.

c. Work Plans/Reports/Documents Submitted

BBL (on GE's behalf) submitted a letter report to MDEP documenting the September 27, 2004 Morewood Lake fish sampling effort and analytical data (November 8, 2004).

d. Upcoming Scheduled and Anticipated 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 July 2003 for that dam, and based on the October 2003 gate stem inspection.* Discuss with owner of Rising Pond.

- Continue review of EPA's revised Ecological Risk Assessment and prepare comments.

- Upon receipt of EPA's Model Calibration Report, begin review of same.

ITEM 15
(cont'd)
HOUSATONIC RIVER AREA
REST OF THE RIVER
(GECD850)
NOVEMBER 2004

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Ongoing issues relating to EPA's risk assessments.*

f. Proposed/Approved Work Plan Modifications

None

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
2004 Housatonic River YOY Sampling	GD-BG-23	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-LB-29	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-LB-30	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-LB-31	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-LB-32	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-LB-33	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-LB-34	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-LB-35	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-PK-08	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-PK-09	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-PK-10	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-PK-11	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-PK-12	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-PK-13	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-YP-22	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-YP-23	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-YP-24	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-YP-25	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-YP-26	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-YP-27	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	GD-YP-28	10/13/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-BG-34	10/11/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-LB-36	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-LB-37	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-LB-38	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-LB-39	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-LB-40	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-LB-41	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-LB-42	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-PK-16	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-PK-17	10/11/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-PK-18	10/11/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-PK-19	10/11/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-PK-20	10/11/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-PK-21	10/11/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-YP-33	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-YP-34	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-YP-35	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-YP-36	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-YP-37	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR2-YP-38	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
2004 Housatonic River YOY Sampling	HR2-YP-39	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-BG-30	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-BG-31	10/12/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-BG-32	10/12/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-LB-36	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-LB-37	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-LB-38	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-LB-39	10/12/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-LB-40	10/12/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-LB-41	10/12/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-LB-42	10/12/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-PK-06	10/12/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-PK-07	10/12/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-PK-08	10/12/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-PK-09	10/12/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-YP-33	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-YP-34	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-YP-35	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-YP-36	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-YP-37	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-YP-38	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	HR6-YP-39	9/30/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-BG-36	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-BG-37	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-BG-38	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-BG-39	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-BG-40	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-BG-41	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-BG-42	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-LB-36	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-LB-37	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-LB-38	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-LB-39	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-LB-40	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-LB-41	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-LB-42	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-YP-31	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-YP-32	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-YP-33	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-YP-34	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-YP-35	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
2004 Housatonic River YOY Sampling	WP-YP-36	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
2004 Housatonic River YOY Sampling	WP-YP-37	9/29/04	Biota	EnChem	PCB , %Lipid	11/16/04
Monthly Water Column Sampling	HR-D1 (Location-12)	11/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-	
Monthly Water Column Sampling	HR-D1 (Location-12)	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-	11/30/04
Monthly Water Column Sampling	Location-1	11/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-	
Monthly Water Column Sampling	Location-1	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-	11/30/04
Monthly Water Column Sampling	Location-10	11/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-	
Monthly Water Column Sampling	Location-10	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-	11/30/04
Monthly Water Column Sampling	Location-12	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-	11/30/04
Monthly Water Column Sampling	Location-12	11/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-	
Monthly Water Column Sampling	Location-13	11/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-	
Monthly Water Column Sampling	Location-13	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-	11/30/04
Monthly Water Column Sampling	Location-2	11/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-	
Monthly Water Column Sampling	Location-2	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-	11/30/04
Monthly Water Column Sampling	Location-7	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-	11/30/04
Monthly Water Column Sampling	Location-7	11/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-	
Monthly Water Column Sampling	Location-9	11/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-	
Monthly Water Column Sampling	Location-9	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-	11/30/04

Note:
1. Field duplicate sample locations are presented in parenthesis.

TABLE 15-2
SAMPLE DATA RECEIVED DURING NOVEMBER 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	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
LOCATION-1	Hubbard Ave. Bridge	10/28/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.300	2.29	0.0012
LOCATION-2	Newell Street Bridge	10/28/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.238	2.86	0.00090
LOCATION-7	Holmes Rd. Bridge	10/28/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.274	2.20	0.0028
LOCATION-9	New Lenox Rd. Bridge	10/28/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.333	2.80	0.0021
LOCATION-10	Headwaters of Woods Pond	10/28/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.312	2.30	0.0021
LOCATION-12	Schweitzer Bridge	10/28/2004 10/28/2004	ND(0.0000220) [ND(0.0000220)]	ND(0.0000220) [ND(0.0000220)]	ND(0.0000220) [ND(0.0000220)]	0.0000230 AG [0.0000260 AG]	0.0000230 [0.0000260]	0.280 [0.306]	2.00 [2.10]	0.0021 [0.0025]
LOCATION-13	Division St. Bridge	10/28/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.283	2.30	0.0019

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. 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.

TABLE 15-3
PCB AND % LIPIDS DATA RECEIVED DURING NOVEMBER 2004
2004 HOUSATONIC RIVER YOY SAMPLING

HOUSATONIC RIVER - REST OF RIVER
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	Percent Lipids (%)
GD-BG-23	10/13/2004	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	2.3	3.4	5.7	4.0
GD-LB-29	10/13/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	2.4	3.5	5.9	3.4
GD-LB-30	10/13/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	2.7	4.0	6.7	3.5
GD-LB-31	10/13/2004	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	3.3	4.8	8.1	3.3
GD-LB-32	10/13/2004	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	2.8	4.3	7.1	3.4
GD-LB-33	10/13/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	2.8	4.2	7.0	3.4
GD-LB-34	10/13/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	2.6	3.9	6.5	3.4
GD-LB-35	10/13/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	2.4	3.8	6.2	3.6
GD-PK-08	10/13/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.4	3.8	6.2	4.7
GD-PK-09	10/13/2004	ND(0.93)	ND(0.93)	ND(0.93)	ND(0.93)	ND(0.93)	2.4	3.6	6.0	5.1
GD-PK-10	10/13/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	2.4	3.8	6.2	4.9
GD-PK-11	10/13/2004	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	2.5	3.8	6.3	4.9
GD-PK-12	10/13/2004	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	2.3	3.5	5.8	4.6
GD-PK-13	10/13/2004	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	2.2	3.6	5.8	4.6
GD-YP-22	10/13/2004	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	5.1	7.8	12.9	2.9
GD-YP-23	10/13/2004	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	4.0	6.0	10	2.7
GD-YP-24	10/13/2004	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	4.2	6.4	10.6	2.9
GD-YP-25	10/13/2004	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	5.4	7.7	13.1	3.8
GD-YP-26	10/13/2004	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	8.7	15	23.7	3.7
GD-YP-27	10/13/2004	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	4.9	8.0	12.9	3.9
GD-YP-28	10/13/2004	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	4.5	6.8	11.3	3.5
HR2-BG-34	10/11/2004	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	6.4	10	16.4	3.5
HR2-LB-36	9/29/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	9.3	20	29.3	3.0
HR2-LB-37	9/29/2004	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	6.1	12	18.1	3.4
HR2-LB-38	9/30/2004	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	7.6	17	24.6	3.3
HR2-LB-39	9/30/2004	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	6.3	11	17.3	3.3
HR2-LB-40	9/30/2004	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	5.1	10	15.1	3.5
HR2-LB-41	9/30/2004	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	5.0	10	15	2.8
HR2-LB-42	9/30/2004	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	6.9	12	18.9	3.4
HR2-PK-16	9/30/2004	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	5.7	9.0	14.7	4.0
HR2-PK-17	10/11/2004	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	8.3	15	23.3	4.1
HR2-PK-18	10/11/2004	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	6.7	12	18.7	4.2
HR2-PK-19	10/11/2004	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	6.9	12	18.9	4.4
HR2-PK-20	10/11/2004	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	7.1	12	19.1	3.9
HR2-PK-21	10/11/2004	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	6.6	12	18.6	3.9
HR2-YP-33	9/29/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	11	21	32	2.7
HR2-YP-34	9/29/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	11	20	31	2.6

TABLE 15-3
PCB AND % LIPIDS DATA RECEIVED DURING NOVEMBER 2004
2004 HOUSATONIC RIVER YOY SAMPLING

HOUSATONIC RIVER - REST OF RIVER
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	Percent Lipids (%)
HR2-YP-35	9/29/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	9.9	19	28.9	2.5
HR2-YP-36	9/29/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	11	21	32	2.5
HR2-YP-37	9/29/2004	ND(6.2)	ND(6.2)	ND(6.2)	ND(6.2)	ND(6.2)	13	26	39	3.1
HR2-YP-38	9/29/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	9.7	20	29.7	2.4
HR2-YP-39	9/29/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	9.4	18	27.4	2.7
HR6-BG-30	9/30/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	0.49	0.83	1.32	3.3
HR6-BG-31	10/12/2004	ND(0.66)	ND(0.66)	ND(0.66)	ND(0.66)	ND(0.66)	1.1	2.2	3.3	3.7
HR6-BG-32	10/12/2004	ND(0.62)	ND(0.62)	ND(0.62)	ND(0.62)	ND(0.62)	1.5	2.7	4.2	3.8
HR6-LB-36	9/30/2004	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	0.73	1.5	2.23	2.7
HR6-LB-37	9/30/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	0.43	0.83	1.26	3.4
HR6-LB-38	9/30/2004	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	0.64	1.5	2.14	3.4
HR6-LB-39	10/12/2004	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	1.1	2.6	3.7	2.8
HR6-LB-40	10/12/2004	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	1.2	2.1	3.3	3.1
HR6-LB-41	10/12/2004	ND(0.41)	ND(0.41)	ND(0.41)	ND(0.41)	ND(0.41)	0.83	1.5	2.33	3.4
HR6-LB-42	10/12/2004	ND(0.55)	ND(0.55)	ND(0.55)	ND(0.55)	ND(0.55)	1.1	2.1	3.2	3.2
HR6-PK-06	10/12/2004	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	0.94	1.8	2.74	3.8
HR6-PK-07	10/12/2004	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	1.0	2.1	3.1	4.2
HR6-PK-08	10/12/2004	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.84	1.9	2.74	3.6
HR6-PK-09	10/12/2004	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.98	1.9	2.88	3.6
HR6-YP-33	9/30/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.6	3.3	4.9	2.4
HR6-YP-34	9/30/2004	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	0.95	2.1	3.05	2.5
HR6-YP-35	9/30/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.7	3.3	5.0	2.8
HR6-YP-36	9/30/2004	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	1.4	2.8	4.2	2.4
HR6-YP-37	9/30/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.7	3.1	4.8	2.3
HR6-YP-38	9/30/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.6	3.1	4.7	2.5
HR6-YP-39	9/30/2004	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	1.3	2.9	4.2	2.4
WP-BG-36	9/29/2004	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	7.3	10	17.3	3.4
WP-BG-37	9/29/2004	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	6.4	8.9	15.3	3.1
WP-BG-38	9/29/2004	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	6.7	9.2	15.9	3.4
WP-BG-39	9/29/2004	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	7.4	11	18.4	3.5
WP-BG-40	9/29/2004	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	7.3	10	17.3	3.6
WP-BG-41	9/29/2004	ND(2.8)	ND(2.8)	ND(2.8)	ND(2.8)	ND(2.8)	7.4	10	17.4	3.4
WP-BG-42	9/29/2004	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	7.1	10	17.1	3.5
WP-LB-36	9/29/2004	ND(4.5)	ND(4.5)	ND(4.5)	ND(4.5)	ND(4.5)	10	17	27	3.0
WP-LB-37	9/29/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	14	22	36	3.7
WP-LB-38	9/29/2004	ND(4.5)	ND(4.5)	ND(4.5)	ND(4.5)	ND(4.5)	11	16	27	2.8
WP-LB-39	9/29/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	13	22	35	3.3

TABLE 15-3
PCB AND % LIPIDS DATA RECEIVED DURING NOVEMBER 2004
2004 HOUSATONIC RIVER YOY SAMPLING

HOUSATONIC RIVER - REST OF RIVER
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	Percent Lipids (%)
WP-LB-40	9/29/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	11	20	31	3.5
WP-LB-41	9/29/2004	ND(4.5)	ND(4.5)	ND(4.5)	ND(4.5)	ND(4.5)	11	16	27	3.1
WP-LB-42	9/29/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	12	20	32	3.8
WP-YP-31	9/29/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	13	20	33	3.6
WP-YP-32	9/29/2004	ND(4.4)	ND(4.4)	ND(4.4)	ND(4.4)	ND(4.4)	10	16	26	3.3
WP-YP-33	9/29/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	11	18	29	3.5
WP-YP-34	9/29/2004	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	11	18	29	3.5
WP-YP-35	9/29/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	12	19	31	3.5
WP-YP-36	9/29/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	11	19	30	3.3
WP-YP-37	9/29/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	11	14	25	3.4

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

ITEMS 16 & 17
HOUSATONIC RIVER FLOODPLAIN
RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES
ADJACENT TO 1½-MILE REACH
(GECD710 AND GECD720)
NOVEMBER 2004

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

a. Activities Undertaken/Completed

Initiated additional sampling at Phase 3 floodplain properties (per EPA conditional approval letter of November 3, 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 additional sampling at Phase 3 floodplain properties.
- Following EPA conditional approval of Pre-Design Investigation Work Plan Addendum for Phase 4, Group 4A properties, initiate sampling for PCBs at those properties and submit proposal for additional sampling for other constituents.
- Submit a Pre-Design Investigation Work Plan Addendum for Phase 4, Groups 4B and 4C properties.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

GE will 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

Received Conditional Approval Letter from EPA for Interim Pre-Design Investigation Report Addendum for Phase 3 Floodplain Properties, Groups 3A, 3B, 3C, and 3D (November 3, 2004).

TABLE 16&17-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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-A9-15	11/29/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-15	11/29/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-18	11/29/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-18	11/29/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-21	11/29/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-21	11/29/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-21	11/29/04	3-5	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-22	11/29/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-22	11/29/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-23	11/29/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-23	11/29/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-SB-38	11/29/04	2-4	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-38	11/29/04	4-6	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-38	11/29/04	6-8	Soil	SGS	PCB	
Residential Properties Soil Sampling	3C-A9-13	11/30/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3C-A9-13	11/30/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3C-A9-13	11/30/04	3-5	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3C-A9-14	11/30/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3C-A9-14	11/30/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3C-A9-14	11/30/04	3-5	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3C-A9-15	11/30/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3C-A9-15	11/30/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3C-A9-16	11/30/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3C-A9-16	11/30/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3C-A9-16	11/30/04	5-7	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3C-DUP-15 (3C-A9-14)	11/30/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3C-DUP-16 (3C-SB-32)	11/30/04	2-4	Soil	SGS	PCB	
Residential Properties Soil Sampling	3C-SB-32	11/30/04	0-1	Soil	SGS	PCB	
Residential Properties Soil Sampling	3C-SB-32	11/30/04	1-2	Soil	SGS	PCB	
Residential Properties Soil Sampling	3C-SB-32	11/30/04	2-4	Soil	SGS	PCB	
Residential Properties Soil Sampling	3C-SB-32	11/30/04	4-6	Soil	SGS	PCB	
Residential Properties Soil Sampling	3C-SB-32	11/30/04	6-8	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-A9-1	11/18/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-1	11/18/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-10	11/23/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-10	11/23/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-10	11/23/04	3-5	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-11	11/22/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-11	11/22/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-12	11/19/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-12	11/19/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	

TABLE 16&17-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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-A9-12	11/19/04	3-5	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-13	11/22/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-13	11/22/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-14	11/22/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-14	11/22/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-16	11/23/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-16	11/23/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	Cancelled
Residential Properties Soil Sampling	3A-A9-16	11/23/04	3-5	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	Cancelled
Residential Properties Soil Sampling	3A-A9-17	11/23/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-17	11/23/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-19	11/23/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-19	11/23/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-19	11/23/04	3-5	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-2	11/18/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-2	11/18/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-2	11/18/04	3-5	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-20	11/23/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-20	11/23/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-24	11/23/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-24	11/23/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-25	11/23/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-25	11/23/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-25	11/23/04	3-5	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-26	11/23/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-26	11/23/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-3	11/18/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-3	11/18/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-4	11/22/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-5	11/22/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-6	11/23/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-7	11/19/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-7	11/19/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-8	11/23/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-8	11/23/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-8	11/23/04	3-5	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-9	11/22/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-A9-9	11/22/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-DUP-11 (3A-SB-37)	11/19/04	0-1	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3A-DUP-12 (3A-SB-33)	11/19/04	1-2	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3A-DUP-13 (3A-A9-14)	11/22/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3A-DUP-14 (3A-A9-10)	11/23/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	

TABLE 16&17-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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-31	11/22/04	1-2	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-31	11/22/04	2-4	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-31	11/22/04	4-6	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-31	11/22/04	6-8	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-32	11/22/04	1-2	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3A-SB-32	11/22/04	2-4	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3A-SB-32	11/22/04	4-6	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-32	11/22/04	6-8	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-33	11/19/04	1-2	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3A-SB-33	11/19/04	2-4	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3A-SB-33	11/19/04	4-6	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-33	11/19/04	6-8	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-34	11/22/04	1-2	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3A-SB-34	11/22/04	2-4	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3A-SB-34	11/22/04	4-6	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-34	11/22/04	6-8	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-35	11/18/04	1-2	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-35	11/18/04	2-4	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3A-SB-35	11/18/04	4-6	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-35	11/18/04	6-8	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-36	11/19/04	0-1	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3A-SB-36	11/19/04	1-2	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-36	11/19/04	2-4	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-36	11/19/04	4-6	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-36	11/19/04	6-8	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-37	11/19/04	0-1	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3A-SB-37	11/19/04	1-2	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-37	11/19/04	2-4	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-37	11/19/04	4-6	Soil	SGS	PCB	
Residential Properties Soil Sampling	3A-SB-37	11/19/04	6-8	Soil	SGS	PCB	
Residential Properties Soil Sampling	3B-A9-1	11/17/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-1	11/17/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-10	11/18/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-10	11/18/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-10	11/18/04	3-5	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-11	11/16/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-11	11/16/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-12	11/16/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-12	11/16/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-13	11/17/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-13	11/17/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	

TABLE 16&17-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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	3B-A9-13	11/17/04	3-5	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-14	11/17/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-14	11/17/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-14	11/17/04	3-5	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-15	11/16/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-15	11/16/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-16	11/16/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-16	11/16/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-2	11/18/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-2	11/18/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-2	11/18/04	3-5	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-3	11/17/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-3	11/17/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-4	11/18/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-4	11/18/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-4	11/18/04	3-5	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-5	11/16/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-5	11/16/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-6	11/16/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-6	11/16/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-7	11/16/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-7	11/16/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-8	11/18/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-8	11/18/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-8	11/18/04	3-5	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-9	11/16/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-A9-9	11/16/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-DUP-10 (3B-A9-10)	11/18/04	0-1	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-DUP-9 (3B-A9-11)	11/16/04	1-3	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	
Residential Properties Soil Sampling	3B-SB-32	11/18/04	2-4	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3B-SB-32	11/18/04	4-6	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3B-SB-32	11/18/04	6-8	Soil	SGS	PCB	
Residential Properties Soil Sampling	3B-SB-33	11/18/04	2-4	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3B-SB-33	11/18/04	4-6	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3B-SB-33	11/18/04	6-8	Soil	SGS	PCB	
Residential Properties Soil Sampling	3B-SB-34	11/18/04	2-4	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3B-SB-34	11/18/04	4-6	Soil	SGS	PCB	11/30/04
Residential Properties Soil Sampling	3B-SB-34	11/18/04	6-8	Soil	SGS	PCB	

Note:
1. Field duplicate sample locations are presented in parenthesis.

TABLE 16&17-2
PCB DATA RECEIVED DURING NOVEMBER 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, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
3A-SB-32	1-2	11/22/2004	ND(0.19)	ND(0.19)	2.3	2.3
	2-4	11/22/2004	ND(0.039)	ND(0.039)	0.25	0.25
3A-SB-33	1-2	11/19/2004	ND(1.9) [ND(0.76)]	ND(1.9) [ND(0.76)]	24 [21]	24 [21]
	2-4	11/19/2004	ND(0.40)	9.1	ND(0.40)	9.1
3A-SB-34	1-2	11/22/2004	ND(0.038)	ND(0.038)	0.092	0.092
	2-4	11/22/2004	ND(0.038)	0.14	0.30	0.44
3A-SB-35	2-4	11/18/2004	ND(0.040)	0.12	0.16	0.28
3A-SB-36	0-1	11/19/2004	ND(0.045)	0.77	0.45	1.22
3A-SB-37	0-1	11/19/2004	ND(0.041) [ND(0.041)]	0.42 [0.41]	0.45 [0.20]	0.87 [0.61]
3B-SB-32	2-4	11/18/2004	ND(0.037)	0.57	0.59	1.16
	4-6	11/18/2004	ND(0.036)	0.26	0.16	0.42
3B-SB-33	2-4	11/18/2004	ND(41)	42	100	142
	4-6	11/18/2004	ND(0.046)	0.67	0.30	0.97
3B-SB-34	2-4	11/18/2004	ND(38)	ND(38)	210	210
	4-6	11/18/2004	ND(0.41)	5.0	10	15

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS 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.

ITEM 18
HOUSATONIC RIVER FLOODPLAIN
CURRENT RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE
(ACTUAL/POTENTIAL LAWNS)
(GECD730)
NOVEMBER 2004

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

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

f. Proposed/Approved Work Plan Modifications

None

ITEM 20
OTHER AREAS
SILVER LAKE AREA
(GECD600)
NOVEMBER 2004

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

a. Activities Undertaken/Completed

Performed water level monitoring at Silver Lake staff gauge and monitoring wells surrounding the lake (see Item 21.a).

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled Activities (next six weeks)

- Continue water-level monitoring at well pairs surrounding the lake.
- Participate in December 3, 2004 CCC meeting to present recent and upcoming activities.
- Submit revised Proposal for Supplemental Pre-Design Investigations for sediments (due to EPA by December 15, 2004) and, following EPA review and approval, initiate supplemental pre-design investigation activities for sediments.
- Submit Bench-Scale Pilot Study Work Plan for Silver Lake Sediments (due to EPA by December 30, 2004).
- Submit revised pages and table for Pre-Design Investigation Report for Silver Lake Sediments (due to EPA by December 30, 2004).
- Awaiting EPA review of GE's September 29, 2004 Interim Pre-Design Investigation Report for Soils Adjacent to Silver Lake.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

ITEM 20
(cont'd)
OTHER AREAS
SILVER LAKE AREA
(GECD600)
NOVEMBER 2004

f. Proposed/Approved Work Plan Modifications

Received Conditional Approval Letters from EPA, dated November 30, 2004, for: (a) GE's *Revisions to Pre-Design Investigation Report for Silver Lake Sediments* (submitted in September 2004): and (b) GE's *Proposal for Supplemental Pre-Design Investigations and Description of Objectives of Bench Scale Study* (submitted in September 2004).

ITEM 21
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GECD310)
NOVEMBER 2004

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

a. Activities Undertaken/Completed

General

Conducted routine groundwater elevation and NAPL monitoring.

East Street Area 1-North and South:

- Continued automated groundwater and NAPL pumping at North Side and South Side Caissons. A total of approximately 2.0 gallons of LNAPL was removed from the South Side Caisson, while recoverable quantities were not encountered at the North Side Caisson in November.

- Continued routine well monitoring and manual NAPL removal activities. Approximately 0.012 liter (0.003 gallon) of LNAPL was removed from wells in this area during November.

East Street Area 2-South:

- Continued automated groundwater and LNAPL removal activities. A total of approximately 5,201,624 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 1,336 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 46 gallons of DNAPL from pumping system RW-3(X).

- Continued routine well monitoring and manual NAPL removal activities. Approximately 2.8 liters (0.74 gallon) of LNAPL were removed from wells in this area during November.

- Treated/discharged 5,701,762 gallons of water through 64G Groundwater Treatment Facility.

East Street Area 2-North:

- Continued routine well monitoring and manual NAPL removal activities. Recoverable quantities of NAPL were not encountered during November.

ITEM 21
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GECD310)
NOVEMBER 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 during November.

- Continued to monitor LNAPL within the hydraulic piston cylinder of Building 43 elevator shaft; no recoverable quantities were encountered.

Lyman Street Area:

- Continued automated groundwater and NAPL removal activities. Approximately 12 gallons of LNAPL were removed from System RW-3.

- Continued routine well monitoring and manual NAPL removal activities. Approximately 1.785 liters (0.47 gallon) of DNAPL were removed from wells in this area.

Newell Street Area II:

- Continued automated DNAPL recovery, with the collection of approximately 96.4 gallons of DNAPL from the automated collection systems.

- Continued routine well monitoring and manual NAPL removal activities. Approximately 1.31 liters (0.35 gallon) of DNAPL were removed from wells in this area during November.

Silver Lake:

- Continued routine monitoring of staff gauge in lake and groundwater monitoring wells surrounding the lake.

b. Sampling/Test Results Received

- See attached tables.

- The preliminary analytical results received in November 2004 consisted of PCB results from a groundwater sample collected from well GMA1-18, as shown in Table 21-1. These results showed no detected PCBs in this sample.

ITEM 21
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GECD310)
NOVEMBER 2004

c. Work Plans/Reports/Documents Submitted

Submitted a proposal for abandonment of Building 43 elevator shaft (November 5, 2004).

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

- Continue routine monitoring activities.

- Conduct semi-annual riverbank inspection.

- Possibly install two soil borings downgradient of wells GMA1-15 and GMA1-16 upon EPA approval (see Item 21.f below).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

None

f. Proposed/Approved Work Plan Modifications

- GE's *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 advance two soil borings downgradient of wells GMA1-15 and GMA1-16 within one month of EPA approval of that report. The program modifications proposed in that report have not to date been approved by EPA. Following EPA approval, the soil borings will be advanced, 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.

- Received approval letter from EPA for Interim Groundwater Quality Report for Spring 2004 (November 12, 2004).

TABLE 21-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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	GMA1-18	11/1/04	Water	SGS	PCB (f)	11/9/04

TABLE 21-2
DATA RECEIVED DURING NOVEMBER 2004

BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 1
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
GMA1-18 (filtered)	11/1/2004	ND(0.000065)	0.000052 J	ND(0.000065)	0.000052 J

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

Data Qualifiers:

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

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
November 2004

Caisson	Month	Vol. LNAPL Collected (gallon)	Vol. Water Recovered (gallon)	Percent Downtime
Northside	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	
	June 2004	4.3	28,500	
	July 2004	4.4	16,700	
	August 2004	2.0	16,300	
	September 2004	4.0	24,300	
	October 2004	0.0	25,000	0.30
	November 2004	0.0	18,300	0.31 - Power Outage
Southside	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	
	June 2004	0.0	75,300	
	July 2004	4.4	67,100	
	August 2004	0.0	67,300	
	September 2004	0.0	102,700	
	October 2004	2.0	82,700	0.30
	November 2004	2.0	69,600	0.31 - Power Outage

TABLE 21-4
MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL
EAST STREET AREA 1 - NORTH & SOUTH
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	November 2004 Removal (liters)
34	11/19/2004	5.91	5.900	0.01	0.006	0.006
72	11/19/2004	6.71	6.70	0.01	0.006	0.006

Total Manual LNAPL Removal for November 2004: 0.012 liters
0.003 gallons

Note:
1. ft BMP - feet Below Measuring Point.

TABLE 21-5
ROUTINE WELL MONITORING
EAST STREET AREA 1 - NORTH & SOUTH
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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	11/3/2004	18.34	18.30	0.04	---	19.80	0.00	979.54
North Caisson	997.84	11/9/2004	18.44	18.38	0.06	---	19.80	0.00	979.46
North Caisson	997.84	11/17/2004	18.34	18.31	0.03	---	19.80	0.00	979.53
North Caisson	997.84	11/23/2004	18.45	18.44	0.01	---	19.80	0.00	979.40
GMA 1 - East Street Area 1 - South									
31R	1,000.23	11/19/2004	9.52	---	0.00	---	15.03	0.00	990.71
33	999.50	11/19/2004	6.71	---	0.00	---	21.36	0.00	992.79
34	999.90	11/19/2004	5.91	5.90	0.01	---	21.01	0.00	994.00
72	1,000.62	11/19/2004	6.71	6.70	0.01	---	21.96	0.00	993.92
72R	1,000.92	11/19/2004	6.68	---	0.00	---	13.31	0.00	994.24
South Caisson	1,001.11	11/3/2004	13.85	13.77	0.08	---	15.00	0.00	987.33
South Caisson	1,001.11	11/9/2004	13.86	13.78	0.08	---	15.00	0.00	987.32
South Caisson	1,001.11	11/17/2004	12.92	12.90	0.02	---	15.00	0.00	988.21
South Caisson	1,001.11	11/23/2004	14.25	P	< 0.01	---	15.00	0.00	986.86

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 is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.

TABLE 21-6
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
November 2004

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
40R	November 2003	0		
	December 2003	0		
	January 2004	0		
	February 2004	0		0.3
	March 2004	0		0.27 - Power Outage
	April 2004	0		
	May 2004	0		
	June 2004	0		
	July 2004	0		
	August 2004	0		
	September 2004	0		
	October 2004	0		0.30 - Power Outage
	November 2004	0		0.31 - Power Outage
64R	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	
	June 2004	736	923,500	
	July 2004	380	693,900	
	August 2004	250	330,800	
	September 2004	350	675,600	
	October 2004	175	472,200	0.30 - Power Outage
	November 2004	150	566,100	0.31 - Power Outage
64S System	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	
	June 2004	772	968,659	
	July 2004	154	349,705	
	August 2004	230	240,781	
	September 2004	479	681,275	
	October 2004	324	1,034,272	0.30 - Power Outage
	November 2004	625	902,053	0.31 - Power Outage
64V	November 2003	1,377	1,309,800	
	December 2003	2,261	1,719,700	6.7 - Replaced Pump
	January 2004	1,768	1,366,300	
	February 2004	408	1,091,800	0.3
	March 2004	1,173	1,370,200	0.27 - Power Outage
	April 2004	1,598	1,212,000	
	May 2004	933	1,313,100	
	June 2004	879	1,444,400	
	July 2004	773	940,100	
	August 2004	772	875,900	

TABLE 21-6
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
November 2004

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
	September 2004	1,170	1,385,900	
	October 2004	920	1,221,100	0.30 - Power Outage
	November 2004	551	1,108,200	0.31 - Power Outage
64X	November 2003	10	403,200	
	December 2003	5	504,000	3.2 - Cleaned Flow Meter
	January 2004	10	676,800	
	February 2004	2	403,200	0.3
	March 2004	4	504,000	0.27 - Power Outage
	April 2004	0	388,800	
	May 2004	10	403,200	
	June 2004	5	518,400	
	July 2004	10	403,200	
	August 2004	31	388,800	
	September 2004	51	518,400	
	October 2004	5	403,200	0.30 - Power Outage
	November 2004	10	388,800	0.31 - Power Outage
RW-2(X)	November 2003	0	461,400	
	December 2003	0	917,800	
	January 2004	0	403,200	
	February 2004	0	580,000	0.3
	March 2004	0	644,300	0.27 - Power Outage
	April 2004	0	518,200	
	May 2004	0	427,200	
	June 2004	0	458,500	
	July 2004	0	1,029,700	
	August 2004	0	1,020,000	
	September 2004	0	1,138,800	0.93
	October 2004	0	911,800	0.30 - Power Outage
	November 2004	0	836,300	0.31 - Power Outage
RW-1(S) [1]	November 2003	52	1,155,983	
	December 2003	0	1,677,094	
	January 2004	96	1,196,628	
	February 2004	51	832,544	0.3
	March 2004	31	1,114,375	0.27 - Power Outage
	April 2004	76	1,012,477	
	May 2004	36	1,056,169	
	June 2004	419	1,108,600	
	July 2004	196	669,474	
	August 2004	158	709,815	
	September 2004	159	914,647	9.72
	October 2004	1	1,092,740	0.30 - Power Outage
	November 2004	0	997,271	0.31 - Power Outage
RW-1(X)	November 2003	0	488,500	
	December 2003	0	575,100	3.2 - Cleaned Flow Meter
	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	

TABLE 21-6
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
November 2004

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
	May 2004	0	397,200	
	June 2004	5	453,900	
	July 2004	0	363,900	
	August 2004	0	473,200	
	September 2004	10	500,500	
	October 2004	0	501,400	0.30 - Power Outage
	November 2004	0	402,900	0.31 - Power Outage
RW-3(X)	November 2003	55		
	December 2003	56		
	January 2004	70		
	February 2004	49		0.3
	March 2004	75		0.27 - Power Outage
	April 2004	79		
	May 2004	55		
	June 2004	169		
	July 2004	57		
	August 2004	47		
	September 2004	67		
	October 2004	52		0.30 - Power Outage
	November 2004	46		0.31 - Power Outage

Summary of Total Automated Removal	
LNAPL:	**1,336 Gallons**
DNAPL:	**46 Gallons**
Water:	**5,201,624 Gallons**

Note:

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

TABLE 21-7
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
November 2004

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	November 2004 Removal (liters)
13	11/17/2004	16.40	16.15	0.25	0.154	0.154
14	11/17/2004	16.44	16.42	0.02	0.012	0.012
26RR	11/17/2004	21.80	21.14	0.66	0.407	0.407
GMA1-15	11/17/2004	14.75	13.85	0.90	0.555	0.555
GMA1-16	11/17/2004	12.50	12.03	0.47	0.290	0.290
GMA1-17W	11/17/2004	17.03	14.80	2.23	1.376	1.376

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

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

Total LNAPL Removal East Street Area 2 - South for November 2004: 2.795 liters
0.737 gallons

Total LNAPL Removal for November 2004: 2.795 liters
0.737 gallons

Note:

1. ft BMP - feet Below Measuring Point.

TABLE 21-8
64G TREATMENT PLANT DISCHARGE DATA
GROUNDWATER MANAGEMENT AREA 1

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

Date	Housatonic River Discharge (gallons)	Recharge Pond Discharge (gallons)	Total Discharge (gallons)
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
June 2004	4,709,390	350,668	5,060,058
July 2004	4,585,370	316,805	4,902,175
August 2004	4,844,107	310,199	5,154,306
September 2004	5,075,190	248,505	5,323,695
October 2004	6,097,384	260,847	6,358,231
November 2004	5,521,300	180,462	5,701,762

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 21-9
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
November 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	11/18/2004	7.92	---	0.00	---	11.30	0.00	978.46
GMA1-10	984.86	11/18/2004	7.02	---	0.00	---	19.80	0.00	977.84
GMA1-12	992.26	11/18/2004	16.30	---	0.00	---	22.14	0.00	975.96
RF-02	982.43	11/18/2004	5.30	---	0.00	---	18.28	0.00	977.13
RF-03	985.40	11/18/2004	9.55	---	0.00	---	18.42	0.00	975.85
RF-03D	985.31	11/18/2004	7.15	---	0.00	---	36.00	0.00	978.16
RF-16	987.91	11/18/2004	9.02	---	0.00	---	20.71	0.00	978.89
40s Complex									
Bldg. 43 Elev.	NA	11/1/2004	28.55	28.54	0.01	---	61.69	0.00	NA
Bldg. 43 Elev.	NA	11/8/2004	28.63	28.62	0.01	---	61.69	0.00	NA
Bldg. 43 Elev.	NA	11/15/2004	28.61	28.60	0.01	---	61.64	0.00	NA
Bldg. 43 Elev.	NA	11/22/2004	28.47	28.46	0.01	---	61.69	0.00	NA
95-17	1,007.67	11/18/2004	24.28	---	0.00	---	28.56	0.00	983.39
East Street Area 2 - South									
13	990.88	11/17/2004	16.40	16.15	0.25	---	22.54	0.00	974.71
14	991.61	11/17/2004	16.44	16.42	0.02	---	25.72	0.00	975.19
26RR	1,000.58	11/17/2004	21.80	21.14	0.66	---	28.55	0.00	979.39
40R	991.60	11/3/2004	16.76	P	< 0.01	---	25.00	0.00	974.84
40R	991.60	11/9/2004	16.88	---	0.00	---	25.00	0.00	974.72
40R	991.60	11/17/2004	15.60	---	0.00	---	25.00	0.00	976.00
40R	991.60	11/23/2004	15.89	P	< 0.01	---	25.00	0.00	975.71
49R	988.71	11/17/2004	14.33	---	0.00	---	24.88	0.00	974.38
49RR	989.80	11/17/2004	15.43	---	0.00	---	23.06	0.00	974.37
55	989.45	11/17/2004	15.56	15.44	0.12	---	30.04	0.00	974.00
64R	993.37	11/3/2004	16.91	16.65	0.26	---	19.00	0.00	976.70
64R	993.37	11/9/2004	16.76	16.46	0.30	---	19.00	0.00	976.89
64R	993.37	11/17/2004	17.29	17.00	0.29	---	19.00	0.00	976.35
64R	993.37	11/23/2004	17.48	17.12	0.36	---	19.00	0.00	976.22
64S	984.48	11/3/2004	21.58	P	< 0.01	---	28.70	0.00	962.90
64S	984.48	11/9/2004	21.48	P	< 0.01	---	28.70	0.00	963.00
64S	984.48	11/17/2004	21.50	---	0.00	---	28.70	0.00	962.98
64S	984.48	11/23/2004	21.50	---	0.00	---	28.70	0.00	962.98
64S Caisson	NA	11/3/2004	11.16	10.82	0.34	---	14.55	0.00	NA
64S Caisson	NA	11/9/2004	10.45	10.25	0.20	---	14.55	0.00	NA
64S Caisson	NA	11/17/2004	10.43	10.30	0.13	---	14.55	0.00	NA
64S Caisson	NA	11/23/2004	10.38	10.23	0.15	---	14.55	0.00	NA
64V	987.29	11/3/2004	22.05	21.40	0.65	---	29.60	0.00	965.84
64V	987.29	11/9/2004	21.80	21.40	0.40	---	29.60	0.00	965.86
64V	987.29	11/17/2004	21.80	21.42	0.38	P	29.60	< 0.01	965.84
64V	987.29	11/23/2004	21.70	21.20	0.50	P	29.60	< 0.01	966.06
64X(N)	984.83	11/3/2004	9.45	9.30	0.15	---	15.85	0.00	975.52

TABLE 21-9
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
November 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	11/9/2004	10.87	10.70	0.17	---	15.85	0.00	974.12
64X(N)	984.83	11/17/2004	10.85	10.75	0.10	---	15.85	0.00	974.07
64X(N)	984.83	11/23/2004	11.95	11.86	0.09	---	15.85	0.00	972.96
64X(S)	981.56	11/3/2004	11.98	11.97	0.01	---	23.82	0.00	969.59
64X(S)	981.56	11/9/2004	13.55	13.54	0.01	---	23.82	0.00	968.02
64X(S)	981.56	11/17/2004	13.61	13.60	0.01	---	23.82	0.00	967.96
64X(S)	981.56	11/23/2004	14.56	14.55	0.01	---	23.82	0.00	967.01
64X(W)	984.87	11/3/2004	15.20	15.18	0.02	---	24.35	0.00	969.69
64X(W)	984.87	11/9/2004	16.79	16.75	0.04	---	24.35	0.00	968.12
64X(W)	984.87	11/17/2004	16.80	16.78	0.02	---	24.35	0.00	968.09
64X(W)	984.87	11/23/2004	17.78	17.76	0.02	---	24.35	0.00	967.11
95-01	983.77	11/17/2004	8.92	---	0.00	---	17.22	0.00	974.85
3-6C-EB-22	986.94	11/17/2004	12.58	---	0.00	---	20.00	0.00	974.36
E2SC-23	992.07	11/17/2004	16.34	---	0.00	---	21.14	0.00	975.73
E2SC-24	987.90	11/17/2004	14.32	---	0.00	---	21.60	0.00	973.58
GMA1-14	997.43	11/17/2004	18.58	---	0.00	---	23.61	0.00	978.85
GMA1-15	988.59	11/17/2004	14.75	13.85	0.90	---	17.84	0.00	974.68
GMA1-16	986.82	11/17/2004	12.50	12.03	0.47	---	20.01	0.00	974.76
GMA1-17E	993.03	11/17/2004	15.11	---	0.00	---	17.35	0.00	977.92
GMA1-17W	992.63	11/17/2004	17.03	14.80	2.23	---	23.37	0.00	977.67
HR-G2-MW-1	982.60	11/17/2004	9.25	---	0.00	---	18.24	0.00	973.35
HR-G2-MW-2	981.39	11/17/2004	7.02	---	0.00	---	17.66	0.00	974.37
HR-G2-MW-3	987.14	11/17/2004	13.21	---	0.00	---	21.98	0.00	973.93
HR-G2-RW-1	976.88	11/17/2004	4.40	---	0.00	---	18.70	0.00	973.59
RW-1(S)	987.23	11/3/2004	18.00	17.94	0.06	---	28.60	0.00	969.29
RW-1(S)	987.23	11/9/2004	17.70	---	0.00	P	28.60	< 0.01	969.53
RW-1(S)	987.23	11/17/2004	17.40	---	0.00	P	28.60	< 0.01	969.83
RW-1(S)	987.23	11/23/2004	18.60	18.10	0.50	---	28.60	0.00	969.10
RW-1(X)	982.68	11/3/2004	14.38	---	0.00	---	20.80	0.00	968.30
RW-1(X)	982.68	11/9/2004	15.22	---	0.00	---	20.80	0.00	967.46
RW-1(X)	982.68	11/17/2004	15.30	---	0.00	---	20.80	0.00	967.38
RW-1(X)	982.68	11/23/2004	15.45	---	0.00	---	20.80	0.00	967.23
RW-2(X)	985.96	11/3/2004	10.58	---	0.00	---	15.30	0.00	975.38
RW-2(X)	985.96	11/9/2004	12.38	---	0.00	---	15.30	0.00	973.58
RW-2(X)	985.96	11/17/2004	12.33	---	0.00	---	15.30	0.00	973.63
RW-2(X)	985.96	11/23/2004	13.91	---	0.00	---	15.30	0.00	972.05
RW-3(X)	980.28	11/3/2004	5.95	---	0.00	41.90	44.40	2.50	974.33
RW-3(X)	980.28	11/9/2004	7.45	---	0.00	42.10	44.40	2.30	972.83
RW-3(X)	980.28	11/17/2004	7.57	---	0.00	41.21	44.40	3.19	972.71
RW-3(X)	980.28	11/23/2004	7.40	---	0.00	41.93	44.40	2.47	972.88

TABLE 21-9
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
November 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	11/17/2004	18.14	See Note 7 regarding depth to water					972.59
SG-HR-1	990.73	11/5/2004	14.55	See Note 7 regarding depth to water					976.18
SG-HR-1	990.73	11/12/2004	18.02	See Note 7 regarding depth to water					972.71
SG-HR-1	990.73	11/24/2004	18.93	See Note 7 regarding depth to water					971.80

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. 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 of the well casing.
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.

TABLE 21-10
ACTIVE RECOVERY SYSTEMS MONTHLY SUMMARY
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

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

Month / Year	Volume Water Pumped (gallon)	RW-1 DNAPL Recovered (gallon)	RW-1R LNAPL Recovered (gallon)	RW-3 LNAPL Recovered (gallon)
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	--	--	--
June 2004	410,230	--	--	--
July 2004	328,363	--	--	--
August 2004	310,473	--	--	--
September 2004	499,209	--	1	20
October 2004	426,078	--	--	--
November 2004	421,409	--	--	12

Notes:
1. Volume of water pumped is total from wells RW-1R, RW-2, and RW-3.
2. -- indicates LNAPL or DNAPL was not recovered by the system.
3. There was approximately 1.2% downtime (8 hours) at RW-3 during November 2004.

TABLE 21-11
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	November 2004 Removal (liters)
LS-30	11/17/2004	12.53	21.40	0.81	0.500	0.500
LS-31	11/17/2004	12.40	22.45	0.87	0.537	0.537
LS-38	11/17/2004	13.31	25.00	0.04	0.025	0.025
LSSC-07	11/17/2004	8.42	24.86	0.22	0.136	0.655
	11/5/2004	6.45	24.80	0.28	0.173	
	11/12/2004	8.65	24.80	0.28	0.173	
	11/24/2004	9.39	24.80	0.28	0.173	
LSSC-08I	11/5/2004	6.90	23.35	0.03	0.019	0.025
	11/24/2004	10.80	23.35	0.01	0.006	
LSSC-16I	11/17/2004	6.75	28.45	0.07	0.043	0.043

Total Manual DNAPL Removal for November 2004: 1.785 liters
0.471 gallons

Note:
1. ft BMP - feet Below Measuring Point.

TABLE 21-12
ROUTINE WELL MONITORING
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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	11/17/2004	6.36	---	0.00	---	19.75	0.00	976.51
EPA-01	983.04	11/17/2004	9.71	---	0.00	---	22.65	0.00	973.33
LS-24	986.58	11/17/2004	12.40	---	0.00	---	15.28	0.00	974.18
LS-30	986.44	11/17/2004	12.53	---	0.00	21.40	22.21	0.81	973.91
LS-31	987.09	11/17/2004	12.40	---	0.00	22.45	23.32	0.87	974.69
LS-38	986.95	11/17/2004	13.31	---	0.00	25.00	25.04	0.04	973.64
LS-44	980.78	11/17/2004	7.30	---	0.00	---	24.75	0.00	973.48
LSSC-07	982.48	11/17/2004	8.42	---	0.00	24.86	25.08	0.22	974.06
LSSC-07	982.48	11/5/2004	6.45	---	0.00	24.80	25.08	0.28	976.03
LSSC-07	982.48	11/12/2004	8.65	---	0.00	24.80	25.08	0.28	973.83
LSSC-07	982.48	11/24/2004	9.39	---	0.00	24.80	25.08	0.28	973.09
LSSC-08I	983.13	11/17/2004	9.80	---	0.00	---	23.38	0.00	973.33
LSSC-08I	983.13	11/5/2004	6.90	---	0.00	23.35	23.38	0.03	976.23
LSSC-08I	983.13	11/12/2004	10.05	---	0.00	---	23.38	0.00	973.08
LSSC-08I	983.13	11/24/2004	10.80	---	0.00	23.35	23.36	0.01	972.33
LSSC-08S	983.11	11/17/2004	9.87	---	0.00	---	14.68	0.00	973.24
LSSC-16I	980.88	11/17/2004	6.75	---	0.00	28.45	28.52	0.07	974.13
LSSC-18	987.32	11/17/2004	12.94	---	0.00	---	18.58	0.00	974.38
LSSC-32	980.68	11/17/2004	6.95	---	0.00	---	35.24	0.00	973.73
LSSC-33	980.49	11/17/2004	6.75	---	0.00	---	29.75	0.00	973.74
MW-4R	980.82	11/17/2004	7.11	---	0.00	---	14.02	0.00	973.71
MW-6R	985.14	11/17/2004	9.58	---	0.00	---	13.92	0.00	975.56
RW-1	984.88	11/3/2004	10.26	---	0.00	P	21.00	< 0.01	974.62
RW-1	984.88	11/9/2004	10.30	---	0.00	P	21.00	< 0.01	974.58
RW-1	984.88	11/17/2004	10.98	---	0.00	---	21.00	0.00	973.90
RW-1	984.88	11/23/2004	11.65	---	0.00	P	21.00	< 0.01	973.23
RW-1 (R)	985.07	11/3/2004	14.87	---	0.00	P	20.42	< 0.01	970.20
RW-1 (R)	985.07	11/9/2004	15.87	---	0.00	P	20.42	< 0.01	969.20
RW-1 (R)	985.07	11/17/2004	15.80	---	0.00	P	20.42	< 0.01	969.27
RW-1 (R)	985.07	11/23/2004	15.88	---	0.00	P	20.42	< 0.01	969.19
RW-2	987.82	11/3/2004	11.87	---	0.00	---	21.75	0.00	975.95
RW-2	987.82	11/9/2004	13.15	---	0.00	---	21.75	0.00	974.67
RW-2	987.82	11/17/2004	13.50	---	0.00	---	21.75	0.00	974.32
RW-2	987.82	11/23/2004	16.91	---	0.00	---	21.75	0.00	970.91
RW-3	984.08	11/3/2004	16.77	16.70	0.07	---	21.57	0.00	967.38
RW-3	984.08	11/9/2004	17.00	16.60	0.40	---	21.57	0.00	967.45
RW-3	984.08	11/17/2004	16.95	16.50	0.45	---	21.57	0.00	967.55
RW-3	984.08	11/23/2004	16.20	16.19	0.01	---	21.57	0.00	967.89
Housatonic River (Lyman Street Bridge)									
BM-2A	986.32	11/17/2004	13.50	See Note 4 regarding depth to water					972.82
BM-2A	986.32	11/5/2004	9.85	See Note 4 regarding depth to water					976.47
BM-2A	986.32	11/12/2004	13.52	See Note 4 regarding depth to water					972.80
BM-2A	986.32	11/24/2004	14.53	See Note 4 regarding depth to water					971.79

TABLE 21-12
ROUTINE WELL MONITORING
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

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

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 is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
4. 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 surface.

TABLE 21-13
ACTIVE DNAPL RECOVERY SYSTEMS MONTHLY SUMMARY
NEWELL STREET AREA II
GROUNDWATER MANAGEMENT AREA 1

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

Recovery System	Date	Total Gallons Recovered
System 1	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	16.0
	June 2004	16.5
	July 2004	14.3
	August 2004	14.6
	September 2004	16.5
	October 2004	11.0
	November 2004	15.4
System 2	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
	June 2004	97.2
	July 2004	16.2
	August 2004	226.0
	September 2004	129.6
	October 2004	78.2
	November 2004	81.0
Total Automated DNAPL Removal for November 2004:		**96.4 Gallons**

Notes:
1. System 1 wells are NS-15, NS-30, and NS-32.
2. System 2 wells are N2SC-01I, N2SC-03I, and N2SC-14.
3. There was no downtime during the month of November 2004.

TABLE 21-14
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

CONSENT DECREE MONTHLY STATUS REPORT
GROUNDWATER MANAGEMENT AREA 1 - NEWELL STREET AREA II
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL
November 2004

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	November 2004 Removal (liters)
N2SC-02	11/17/2004	11.40	40.38	0.03	0.019	0.019
N2SC-07	11/17/2004	10.85	38.12	0.04	0.025	0.025
N2SC-08	11/17/2004	11.10	40.50	2.06	1.271	1.271

Total DNAPL Removal for November 2004: 1.315 liters
0.347 gallons

Note:

1. ft BMP - feet Below Measuring Point.

TABLE 21-15
ROUTINE WELL MONITORING
NEWELL STREET AREA II
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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	11/17/2004	11.40	---	0.00	40.38	40.41	0.03	974.16
N2SC-07	984.61	11/17/2004	10.85	---	0.00	38.12	38.16	0.04	973.76
N2SC-08	986.07	11/17/2004	11.10	---	0.00	40.50	42.56	2.06	974.97

Notes:

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

TABLE 21-16
ROUTINE WELL MONITORING
SILVER LAKE AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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	11/19/2004	7.11	---	0.00	---	16.24	0.00	975.83
SLGW-01D	983.13	11/19/2004	4.55	---	0.00	---	36.96	0.00	978.58
SLGW-02S	985.39	11/19/2004	8.02	---	0.00	---	16.78	0.00	977.37
SLGW-02D	985.10	11/19/2004	7.40	---	0.00	---	36.90	0.00	977.70
SLGW-03S	980.21	11/19/2004	4.42	---	0.00	---	14.61	0.00	975.79
SLGW-03D	979.14	11/19/2004	1.35	---	0.00	---	32.04	0.00	977.79
SLGW-04S	984.02	11/19/2004	8.21	---	0.00	---	16.66	0.00	975.81
SLGW-04D	983.51	11/19/2004	6.14	---	0.00	---	37.14	0.00	977.37
SLGW-05S	979.12	11/19/2004	3.30	---	0.00	---	11.65	0.00	975.82
SLGW-05D	979.30	11/19/2004	3.41	---	0.00	---	34.90	0.00	975.89
SLGW-06S	981.66	11/19/2004	5.50	---	0.00	---	13.75	0.00	976.16
SLGW-06D	981.63	11/19/2004	5.48	---	0.00	---	34.95	0.00	976.15
Staff Gauge within Silver Lake									
Silver Lake Gauge	NA	11/5/2004	1.18	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	11/12/2004	0.58	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	11/24/2004	0.58	See Note 4 regarding depth to water					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. 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)
NOVEMBER 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

No issues

f. Proposed/Approved Work Plan Modifications

Received Conditional Approval Letter from EPA for Interim Baseline Groundwater Report for Spring 2004 (November 10, 2004).

ITEM 23
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 2 (GMA 3)
(GECD330)
NOVEMBER 2004

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

a. Activities Undertaken/Completed

Conducted monthly monitoring and NAPL bailing round in the vicinity of Buildings 51 and 59. Approximately 11.37 liters (3.0 gallons) of LNAPL were removed by the automatic skimmer located in well 51-21 and an additional 8.35 liters (2.20 gallons) of LNAPL were manually removed from the wells in this area.

b. Sampling/Test Results Received

- See attached tables.

- Preliminary analytical results received in November 2004 from the fall 2004 GMA 3 baseline groundwater quality monitoring activities are shown in Table 23-2. These preliminary results have been compared to the applicable Method 1 GW-2 and GW-3 groundwater standards and upper concentration limits (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 November 2004.

  - The MCP GW-2 standards were not exceeded in any of the GW-2 groundwater sample results received in November 2004.

  - The MCP GW-3 standard for chlorobenzene (0.5 ppm) was exceeded in the sample from monitoring well 78B-R. Similar exceedances were previously observed at well 78B, which was formerly utilized at this location.

  - MCP GW-3 standard for PCBs (0.0003 ppm) was slightly exceeded in the filtered sample collected from well 78B-R. Similar exceedances have not been observed in prior filtered samples from this well. However, PCB concentrations in unfiltered samples have previously been detected above this level.

  - No other MCP GW-3 standards were exceeded in any of the groundwater sample results received in November 2004.

c. Work Plans/Reports/Documents Submitted

None

ITEM 23
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 2 (GMA 3)
(GECD330)
NOVEMBER 2004

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

- Continue ongoing groundwater and NAPL monitoring and recovery activities.

- Decommission wells 54B, 89D, and 95C and install replacement monitoring wells 54B-R and 89D-R (see Item 23.e below).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

The decommissioning of wells 54B, 89D, and 95C and installation of replacement wells 54B-R and 89D-R have been delayed due to the presence of standing water at these locations. EPA has approved a revised location for well 54B-R and this well will be installed after an access route to the new location can be established.

f. Proposed/Approved Work Plan Modifications

None

TABLE 23-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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	111B	10/22/04	Water	SGS	VOC	11/3/04
Semi-Annual Groundwater Sampling	78B-R	10/15/04	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	11/1/04
Semi-Annual Groundwater Sampling	GMA3-3	10/15/04	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	11/1/04
Semi-Annual Groundwater Sampling	GMA3-8	10/21/04	Water	SGS	VOC	11/3/04
Semi-Annual Groundwater Sampling	GMA3-9	10/15/04	Water	SGS	VOC	11/1/04

TABLE 23-2
DATA RECEIVED DURING NOVEMBER 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 10/15/04	111B 10/22/04	GMA3-3 10/15/04	GMA3-8 10/21/04	GMA3-9 10/15/04
Volatile Organics					
Benzene	2.0	ND(0.0050)	0.0031 J	ND(0.0050)	ND(0.0050)
Chlorobenzene	2.3	ND(0.0050)	0.020	ND(0.0050)	ND(0.0050)
Total VOCs	4.3	ND(0.20)	0.023 J	ND(0.20)	ND(0.20)
PCBs-Unfiltered					
Aroclor-1254	0.00041	NA	0.000046 J	NA	NA
Aroclor-1260	0.000092	NA	0.000017 J	NA	NA
Total PCBs	0.000502	NA	0.000063 J	NA	NA
PCBs-Filtered					
Aroclor-1254	0.00029	NA	0.000053 J	NA	NA
Aroclor-1260	0.000090	NA	0.000022 J	NA	NA
Total PCBs	0.00038	NA	0.000075 J	NA	NA
Semivolatile Organics					
1,4-Dichlorobenzene	0.0098 J	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
2,4,5-Trichlorophenol	0.0053 J	NA	ND(0.010)	NA	NA
2-Methylnaphthalene	0.021	NA	0.0062 J	NA	NA
Acenaphthene	0.018	NA	0.015	NA	NA
Anthracene	0.0028 J	NA	ND(0.010)	NA	NA
Dibenzofuran	0.014	NA	0.0065 J	NA	NA
Fluorene	0.015	NA	0.0067 J	NA	NA
Naphthalene	0.035	ND(0.0050)	0.0043 J	0.0042 J	0.0020 J
Phenanthrene	0.016	NA	0.0053 J	NA	NA
Phenol	0.0063 J	NA	ND(0.010)	NA	NA
Organochlorine Pesticides					
None Detected	--	NA	--	NA	NA
Organophosphate Pesticides					
None Detected	--	NA	--	NA	NA
Herbicides					
None Detected	--	NA	--	NA	NA
Furans					
2,3,7,8-TCDF	ND(0.0000000025)	NA	ND(0.0000000032)	NA	NA
TCDFs (total)	ND(0.0000000048)	NA	ND(0.0000000032)	NA	NA
1,2,3,7,8-PeCDF	ND(0.0000000016)	NA	ND(0.0000000027)	NA	NA
2,3,4,7,8-PeCDF	ND(0.0000000016)	NA	ND(0.0000000027)	NA	NA
PeCDFs (total)	ND(0.0000000051)	NA	ND(0.0000000027)	NA	NA
1,2,3,4,7,8-HxCDF	ND(0.0000000059)	NA	ND(0.0000000023)	NA	NA
1,2,3,6,7,8-HxCDF	ND(0.0000000017)	NA	ND(0.0000000021)	NA	NA
1,2,3,7,8,9-HxCDF	ND(0.0000000020)	NA	ND(0.0000000025)	NA	NA
2,3,4,6,7,8-HxCDF	ND(0.0000000018)	NA	ND(0.0000000023)	NA	NA
HxCDFs (total)	ND(0.0000000087)	NA	ND(0.0000000025)	NA	NA
1,2,3,4,6,7,8-HpCDF	ND(0.0000000046)	NA	ND(0.0000000017)	NA	NA
1,2,3,4,7,8,9-HpCDF	ND(0.0000000035)	NA	ND(0.0000000021)	NA	NA
HpCDFs (total)	ND(0.0000000046)	NA	ND(0.0000000021)	NA	NA
OCDF	ND(0.0000000046)	NA	ND(0.0000000058)	NA	NA
Dioxins					
2,3,7,8-TCDD	ND(0.0000000014)	NA	ND(0.0000000022)	NA	NA
TCDDs (total)	ND(0.0000000014)	NA	ND(0.0000000022)	NA	NA
1,2,3,7,8-PeCDD	ND(0.0000000025)	NA	ND(0.0000000034)	NA	NA
PeCDDs (total)	ND(0.0000000025)	NA	ND(0.0000000034)	NA	NA
1,2,3,4,7,8-HxCDD	ND(0.0000000021)	NA	ND(0.0000000034)	NA	NA
1,2,3,6,7,8-HxCDD	ND(0.0000000017)	NA	ND(0.0000000027)	NA	NA
1,2,3,7,8,9-HxCDD	ND(0.0000000018)	NA	ND(0.0000000028)	NA	NA
HxCDDs (total)	ND(0.0000000021)	NA	ND(0.0000000034)	NA	NA
1,2,3,4,6,7,8-HpCDD	ND(0.0000000019)	NA	ND(0.0000000029)	NA	NA
HpCDDs (total)	ND(0.0000000021)	NA	ND(0.0000000029)	NA	NA
OCDD	ND(0.000000014)	NA	ND(0.0000000032)	NA	NA
Total TEQs (WHO TEFs)	0.0000000034	NA	0.0000000046	NA	NA

TABLE 23-2
DATA RECEIVED DURING NOVEMBER 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 10/15/04	111B 10/22/04	GMA3-3 10/15/04	GMA3-8 10/21/04	GMA3-9 10/15/04
Inorganics-Unfiltered					
Arsenic	ND(0.0100)	NA	0.0240	NA	NA
Barium	1.40	NA	0.420	NA	NA
Chromium	ND(0.0100)	NA	0.00400 B	NA	NA
Copper	0.00160 B	NA	ND(0.0250)	NA	NA
Cyanide	0.00170 B	NA	0.00350 B	NA	NA
Lead	0.000890 B	NA	0.000440 B	NA	NA
Nickel	0.00700 B	NA	0.00180 B	NA	NA
Zinc	0.0250	NA	0.0140 B	NA	NA
Inorganics-Filtered					
Arsenic	ND(0.0100)	NA	ND(0.0100)	NA	NA
Barium	1.40	NA	0.390	NA	NA
Chromium	ND(0.0100)	NA	0.00160 B	NA	NA
Copper	0.00130 B	NA	0.00180 B	NA	NA
Cyanide	0.00130 B	NA	0.00370 B	NA	NA
Lead	ND(0.00300)	NA	ND(0.00300)	NA	NA
Nickel	0.00700 B	NA	0.00280 B	NA	NA
Zinc	ND(0.0200)	NA	ND(0.0200)	NA	NA

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS Environmental Services, Inc. for analysis of PCBs and 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. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

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

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 PQL.

TABLE 23-3
MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL
GROUNDWATER MANAGEMENT AREA 3

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

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	November 2004 Removal (liters)
51-08	11/12/2004	11.10	10.70	0.40	0.247	1.604
	11/18/2004	11.63	10.73	0.90	0.555	
	11/24/2004	12.10	10.80	1.30	0.802	
51-17	11/18/2004	11.23	9.85	1.38	0.851	0.851
51-19	11/18/2004	11.00	10.18	0.82	0.506	0.506
51-21	11/3/2004	15.10	---	0.00	2.27	11.370
	11/9/2004	14.12	P	< 0.01	3.41	
	11/17/2004	15.25	P	< 0.01	3.41	
	11/23/2004	15.40	P	< 0.01	2.27	
59-03R	11/18/2004	12.21	11.20	1.01	0.623	0.623
GMA3-10	11/5/2004	11.60	10.85	0.75	0.463	1.758
	11/12/2004	11.51	10.93	0.58	0.358	
	11/18/2004	11.75	11.00	0.75	0.463	
	11/24/2004	11.92	11.15	0.77	0.475	
GMA3-12	11/5/2004	11.55	11.21	0.34	0.840	3.009
	11/12/2004	11.70	11.33	0.37	0.914	
	11/18/2004	11.75	11.40	0.35	0.216	
	11/24/2004	11.90	11.48	0.42	1.038	

Total Automated LNAPL Removal at well 51-21 for November 2004: 11.370 liters
3.00 Gallons

Total Manual LNAPL Removal at all other wells for November 2004: 8.352 liters
2.20 Gallons

Total LNAPL Removed for November 2004: 19.722 liters
5.20 Gallons

Notes:

1. ft BMP - feet Below Measuring Point.
2. P indicates that LNAPL or DNAPL is present at a thickness that is < 0.01 feet. The corresponding thickness is recorded as such.

TABLE 23-4
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 3

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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)
51-05	996.44	11/18/2004	10.27	10.18	0.09	---	12.56	0.00	986.25
51-06	997.36	11/18/2004	10.72	---	0.00	---	14.60	0.00	986.64
51-07	997.08	11/18/2004	10.66	---	0.00	---	11.21	0.00	986.42
51-08	997.08	11/5/2004	10.70	10.63	0.07	---	14.66	0.00	986.45
51-08	997.08	11/12/2004	11.10	10.70	0.40	---	14.66	0.00	986.35
51-08	997.08	11/18/2004	11.63	10.73	0.90	---	14.67	0.00	986.29
51-08	997.08	11/24/2004	12.10	10.80	1.30	---	14.64	0.00	986.19
51-09	997.70	11/18/2004	10.65	---	0.00	---	11.60	0.00	987.05
51-14	996.77	11/18/2004	10.64	---	0.00	---	14.99	0.00	986.13
51-15	996.43	11/18/2004	10.18	10.11	0.07	---	14.48	0.00	986.32
51-16R	996.39	11/18/2004	10.15	10.11	0.04	---	14.53	0.00	986.28
51-17	996.43	11/18/2004	11.23	9.85	1.38	---	14.48	0.00	986.48
51-18	997.12	11/18/2004	10.85	---	0.00	---	12.56	0.00	986.27
51-19	996.43	11/18/2004	11.00	10.18	0.82	---	14.05	0.00	986.19
51-21	1,001.49	11/3/2004	15.10	---	0.00	---	NM	0.00	986.39
51-21	1,001.49	11/9/2004	14.12	P	< 0.01	---	NM	0.00	987.37
51-21	1,001.49	11/17/2004	15.25	P	< 0.01	---	NM	0.00	986.24
51-21	1,001.49	11/23/2004	15.40	P	< 0.01	---	NM	0.00	986.09
59-01	997.52	11/18/2004	11.14	---	0.00	---	11.33	0.00	986.38
59-03R	997.64	11/18/2004	12.21	11.20	1.01	---	17.03	0.00	986.37
59-07	997.96	11/18/2004	11.54	11.51	0.03	---	23.54	0.00	986.45
GMA3-10	997.54	11/5/2004	11.60	10.85	0.75	---	18.02	0.00	986.64
GMA3-10	997.54	11/12/2004	11.51	10.93	0.58	---	18.02	0.00	986.57
GMA3-10	997.54	11/18/2004	11.75	11.00	0.75	---	18.02	0.00	986.49
GMA3-10	997.54	11/24/2004	11.92	11.15	0.77	---	18.02	0.00	986.34
GMA3-11	997.25	11/18/2004	10.48	---	0.00	---	18.48	0.00	986.77
GMA3-12	997.84	11/5/2004	11.55	11.21	0.34	---	21.24	0.00	986.61
GMA3-12	997.84	11/12/2004	11.70	11.33	0.37	---	21.24	0.00	986.48
GMA3-12	997.84	11/18/2004	11.75	11.40	0.35	---	21.26	0.00	986.42
GMA3-12	997.84	11/24/2004	11.90	11.48	0.42	---	21.24	0.00	986.33
UB-MW-10	995.99	11/18/2004	9.58	---	0.00	---	15.71	0.00	986.41
UB-PZ-3	998.15	11/18/2004	12.12	11.94	0.18	---	13.42	0.00	986.20
Unkamet Brook Staff Gauges									
GMA3-SG-1	983.44	11/30/2004	NM	See Note 5 regarding depth to water					NM
GMA3-SG-2	NA	11/30/2004	NM	See Note 5 regarding depth to water					NA
GMA3-SG-3	985.53	11/30/2004	NM	See Note 5 regarding depth to water					NM
GMA3-SG-4	NA	11/30/2004	NM	See Note 5 regarding depth to water					NA

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NM indicates information not measured.
4. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
5. The 0-point on the staff gauge was surveyed as the measuring point elevation. Depth to water readings indicate the distance the surface of the water is above or below the 0-point.

ITEM 24
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 3 (GMA 4)
(GECD340)
NOVEMBER 2004

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

a. Activities Undertaken/Completed

Conducted quarterly groundwater quality sampling event at adjacent Commercial Street Site (subject to the Administrative Consent Order executed by GE and MDEP), including sampling of GMA 4 well GMA4-5.

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

Received Approval Letter from EPA for Interim Groundwater Quality Report for Spring 2004 (November 12, 2004).

TABLE 24-1
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 4

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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)
Commercial Street Area (South of GMA 4)									
GMA4-5	993.34	10/13/2004	11.48	---	0.00	---	18.25	0.00	981.86
MW-1	984.34	10/13/2004	7.24	---	0.00	---	14.84	0.00	977.10
MW-2	983.12	10/13/2004	6.24	---	0.00	---	13.82	0.00	976.88
MW-3	986.73	10/13/2004	9.02	---	0.00	---	15.10	0.00	977.71
MW-4	985.73	10/13/2004	5.44	---	0.00	---	14.41	0.00	980.29
MW-5	983.53	10/13/2004	6.85	---	0.00	---	17.61	0.00	976.68
MW-6	987.65	10/13/2004	8.95	---	0.00	---	17.76	0.00	978.70
MW-7	984.73	10/13/2004	1.46	---	0.00	---	14.76	0.00	983.27
MW-8	984.94	10/13/2004	5.63	---	0.00	---	14.73	0.00	979.31
MW-10	988.87	10/13/2004	8.31	---	0.00	---	17.70	0.00	980.56

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)
(GECD350)
NOVEMBER 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

No issues

f. Proposed/Approved Work Plan Modifications

Received Conditional Approval Letter from EPA for Interim Baseline Groundwater Report for Spring 2004 (November 10, 2004).

Attachment A

NPDES Sampling Records and Results
November 2004

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

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

NPDES PERMIT MONITORING
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
NPDES Sampling	001-A6073	11/1/04	Water	SGS	Oil & Grease	11/9/04
NPDES Sampling	001-A6075	11/1/04	Water	SGS	PCB	11/9/04
NPDES Sampling	001-A6083	11/3/04	Water	SGS	TSS	11/11/04
NPDES Sampling	005-A6065/A6066	10/26/04	Water	SGS	PCB	11/2/04
NPDES Sampling	005-A6085/A6086	11/3/04	Water	SGS	PCB, TSS, BOD	11/11/04
NPDES Sampling	005-A6096/A6097	11/9/04	Water	SGS	PCB	11/16/04
NPDES Sampling	005-A6105/A6106	11/16/04	Water	SGS	PCB	11/22/04
NPDES Sampling	005-A6126/A6127	11/23/04	Water	SGS	PCB	
NPDES Sampling	005-A6145/A6146	11/30/04	Water	SGS	PCB	
NPDES Sampling	06A-A6135	11/28/04	Water	SGS	Oil & Grease	
NPDES Sampling	06A-A6137	11/28/04	Water	SGS	PCB	
NPDES Sampling	09A-A6063	10/25/04	Water	SGS	TSS, BOD	11/2/04
NPDES Sampling	09A-A6071	10/31/04	Water	SGS	TSS	11/9/04
NPDES Sampling	09A-A6116	11/21/04	Water	SGS	TSS	11/29/04
NPDES Sampling	09A-A6142	11/29/04	Water	SGS	TSS, BOD	
NPDES Sampling	09B-A6072	10/31/04	Water	SGS	TSS	11/9/04
NPDES Sampling	09B-A6080	11/2/04	Water	SGS	BOD	11/9/04
NPDES Sampling	09B-A6098	11/9/04	Water	SGS	TSS, BOD	11/16/04
NPDES Sampling	09B-A6099	11/14/04	Water	SGS	TSS	11/22/04
NPDES Sampling	09B-A6107	11/16/04	Water	SGS	BOD	11/22/04
NPDES Sampling	09B-A6117	11/21/04	Water	SGS	TSS	11/29/04
NPDES Sampling	09B-A6124	11/22/04	Water	SGS	BOD	11/29/04
NPDES Sampling	09B-A6143	11/29/04	Water	SGS	TSS, BOD	
NPDES Sampling	09C-A6069	10/29/04	Water	SGS	Oil & Grease	11/9/04
NPDES Sampling	09C-A6081	11/3/04	Water	SGS	Oil & Grease	11/11/04
NPDES Sampling	09C-A6109	11/21/04	Water	SGS	Oil & Grease	11/29/04
NPDES Sampling	09C-A6133	11/28/04	Water	SGS	Oil & Grease	
NPDES Sampling	64G-A6061	10/25/04	Water	SGS	Oil & Grease	11/2/04
NPDES Sampling	64G-A6078	11/1/04	Water	SGS	Oil & Grease	11/9/04
NPDES Sampling	64G-A6093	11/8/04	Water	SGS	Oil & Grease	11/16/04
NPDES Sampling	64G-A6102	11/15/04	Water	SGS	Oil & Grease	11/22/04
NPDES Sampling	64G-A6121	11/22/04	Water	SGS	Oil & Grease	11/29/04
NPDES Sampling	64G-A6140	11/29/04	Water	SGS	Oil & Grease	
NPDES Sampling	64T-A6059	10/25/04	Water	SGS	Oil & Grease	11/2/04
NPDES Sampling	64T-A6076	11/1/04	Water	SGS	Oil & Grease	11/9/04
NPDES Sampling	64T-A6091	11/8/04	Water	SGS	Oil & Grease	11/16/04
NPDES Sampling	64T-A6100	11/15/04	Water	SGS	Oil & Grease	11/22/04
NPDES Sampling	64T-A6119	11/22/04	Water	SGS	Oil & Grease	11/29/04
NPDES Sampling	64T-A6138	11/29/04	Water	SGS	Oil & Grease	

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

NPDES PERMIT MONITORING
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
NPDES Sampling	A6089R	11/3/04	Water	SGS	Acute Toxicity Test	11/16/04
NPDES Sampling	A6089RCN	11/3/04	Water	SGS	CN	11/11/04
NPDES Sampling	A6089RTM	11/3/04	Water	SGS	Metals (10)	11/11/04
NPDES Sampling	A6090C	11/3/04	Water	SGS	Acute Toxicity Test	11/16/04
NPDES Sampling	A6090CCN	11/3/04	Water	SGS	CN	11/11/04
NPDES Sampling	A6090CDM	11/3/04	Water	SGS	Filtered Metals (8)	11/11/04
NPDES Sampling	A6090CTM	11/3/04	Water	SGS	Metals (10)	11/11/04
NPDES Sampling	DEC04WK1	11/30/04	Water	SGS	Cu, Pb, Zn	
NPDES Sampling	NOV04WK2	11/9/04	Water	SGS	Cu, Pb, Zn	11/16/04
NPDES Sampling	NOV04WK3	11/16/04	Water	SGS	Cu, Pb, Zn	11/22/04
NPDES Sampling	NOV04WK4	11/23/04	Water	SGS	Cu, Pb, Zn	
NPDES Sampling	OCT04WK5	10/26/04	Water	SGS	Cu, Pb, Zn	11/2/04

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2004

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

Parameter / Sample ID: / Date Collected:	001-A6073 11/01/04	001-A6075 11/01/04	001-A6083 11/03/04	005-A6065/A6066 10/26/04	005-A6085/A6086 11/03/04	005-A6096/A6097 11/09/04	005-A6105/A6106 11/16/04
PCBs-Unfiltered							
Aroclor-1254	NA	0.00020	NA	ND(0.000065)	ND(0.000065)	0.000053 J	0.000029 J
Aroclor-1260	NA	0.000073	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000014 J
Total PCBs	NA	0.000273	NA	ND(0.000065)	ND(0.000065)	0.000053 J	0.000043 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	ND(2.0)	NA	NA
Oil & Grease	ND(5.0)	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	8.00	NA	ND(5.00)	NA	NA

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2004

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

Parameter / Sample ID: / Date Collected:	09A-A6063 10/25/04	09A-A6071 10/31/04	09A-A6116 11/21/04	09B-A6072 10/31/04	09B-A6080 11/02/04	09B-A6098 11/09/04	09B-A6099 11/14/04	09B-A6107 11/16/04
PCBs-Unfiltered								
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	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)	ND(2.0)	NA	NA	NA	1.6 B	2.3	NA	1.9 B
Oil & Grease	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	ND(5.00)	14.0	9.00	5.00	NA	6.00	ND(5.00)	NA

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2004

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

Parameter / Sample ID: / Date Collected:	09B-A6117 11/21/04	09B-A6124 11/22/04	09C-A6069 10/29/04	09C-A6081 11/03/04	09C-A6109 11/21/04	64G-A6061 10/25/04	64G-A6078 11/01/04	64G-A6093 11/08/04
PCBs-Unfiltered								
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	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	1.9 B	NA	NA	NA	NA	NA	NA
Oil & Grease	NA	NA	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Total Suspended Solids	7.00	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2004

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

Parameter / Sample ID: / Date Collected:	64G-A6102 11/15/04	64G-A6121 11/22/04	64T-A6059 10/25/04	64T-A6076 11/01/04	64T-A6091 11/08/04	64T-A6100 11/15/04	64T-A6119 11/22/04	A6089RCN 11/03/04
PCBs-Unfiltered								
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	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	0.00270 B
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	NA	NA	NA	NA	NA
Oil & Grease	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2004

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

Parameter / Sample ID: / Date Collected:	A6089RTM 11/03/04	A6090CCN 11/03/04	A6090CDM 11/03/04	A6090CTM 11/03/04	NOV04WK2 11/09/04	NOV04WK3 11/16/04	OCT04WK5 10/26/04
PCBs-Unfiltered							
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered							
Aluminum	ND(0.100)	NA	NA	0.0870 B	NA	NA	NA
Cadmium	ND(0.00100)	NA	NA	ND(0.00100)	NA	NA	NA
Calcium	13.0	NA	NA	51.0	NA	NA	NA
Chromium	ND(0.00500)	NA	NA	ND(0.00500)	NA	NA	NA
Copper	ND(0.00500)	NA	NA	0.00960	0.00280 B	0.00470 B	0.00300 B
Cyanide	NA	0.0280	NA	NA	NA	NA	NA
Lead	ND(0.00500)	NA	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Magnesium	4.40	NA	NA	20.0	NA	NA	NA
Nickel	ND(0.00500)	NA	NA	ND(0.00500)	NA	NA	NA
Silver	ND(0.00500)	NA	NA	0.00110 B	NA	NA	NA
Zinc	0.0150 B	NA	NA	0.0280	0.0240	0.0260	0.0180 B
Inorganics-Filtered							
Aluminum	NA	NA	0.0600 B	NA	NA	NA	NA
Cadmium	NA	NA	ND(0.00100)	NA	NA	NA	NA
Chromium	NA	NA	ND(0.00500)	NA	NA	NA	NA
Copper	NA	NA	0.00270 B	NA	NA	NA	NA
Lead	NA	NA	ND(0.00500)	NA	NA	NA	NA
Nickel	NA	NA	ND(0.00500)	NA	NA	NA	NA
Silver	NA	NA	0.00120 B	NA	NA	NA	NA
Zinc	NA	NA	0.0240	NA	NA	NA	NA
Conventionals							
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA

Notes:
1. Samples were collected by General Electric Company and submitted to SGS 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
J - Indicates an estimated value less than the practical quantitation limit (PQL).

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

Attachment B

NPDES Discharge Monitoring Reports
October 2004

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

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

MA0003891 — PERMIT NUMBER
001 1 — DISCHARGE NUMBER

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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	******	******		7.9	******	8.4	(12) SU	0	01/07	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG-C
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0	0	(26) LBS/DY	******	******	******		0	01/30	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	138 MO AVG	628 DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
OIL & GREASE	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	0	(19) MG/L	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) LBS/DY	******	******	******		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	0.136	0.660	(03) MGD	******	******	******		0	99/99	RC
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1.10 MO AVG	2.55 DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	CERTIFICATION	SIGNATURE	TELEPHONE	DATE
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	413 (AREA CODE) 494-3500 (NUMBER)	2004 (YEAR) 11 (MO) 17 (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)*

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	004 1

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

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

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	******	******		NODI [C]	******	NODI [C]	(12)			
00400 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG-C
OIL & GREASE	SAMPLE MEASUREMENT	******	NODI [C]	(26)	******	******	NODI [C]	(19)			
00556 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	261 DAILY MX	LBS/DY	******	******	15 DAILY MX	MG/L		ONCE/ MONTH	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	NODI [C]	(26)	******	******	******				
39516 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	NODI [C]	NODI [C]	(03)	******	******	******				
50050 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	0.38 MO AVG	2.07 DAILY MX	MGD	******	******	******	**** ****		ONCE/ MONTH	RCORDR
	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	11	17
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)

MA0003891	005 1
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

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

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	3.6	3.6	(26) LBS/DY	******	******	******		0	01/30	CP
00310 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	70 MO AVG	135 DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0	0	(26) LBS/DY	******	******	******		0	01/30	CP
00530 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	188 MO AVG	270 DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
OIL & GREASE	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	0	(19) MG/L	0	01/07	GR
00556 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	135 DAILY MX	LBS/DY	******	******	15 DAILY MX	MG/L		WEEKLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	0.0001	0.0004	(26) LBS/DY	******	******	******		0	01/07	CP
39516 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	0.01 MO AVG	0.03 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.252	0.463	(03) MGD	******	******	******		0	99/99	RC
50050 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	2.09 MO AVG	2.09 DAILY MX	MGD	******	******	******	**** ****		CONTIN UOUS	RCORDR
	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	11	17
AREA CODE	NUMBER	YEAR	MO	DAY

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.

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)*

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	064 G

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

Form Approved.
OMB No. 2040-0004

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

*** NO DISCHARGE | _ | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	******	******		7.2	******	7.4	(12) SU	0	99/99	RCDR
00400 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*******	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG-C
BASE NEUTRALS & ACID (METHOD 625), TOTAL	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	(19)			
76030 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*******	******	REPORT MO AVG	REPORT DAILY MX	MG/L		QTRLY	GRAB
VOLATILE COMPOUNDS, (GC/MS)	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	(19)			
78732 T 0 0 SEE COMMENTS BELOW	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 AREA CODE	NUMBER	DATE YEAR	MO	DAY
413	494-3500	2004	11	17

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)*

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	064 T

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

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

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	******	******		7.2	******	8.6	(12) SU	0	99/99	RCDR
00400 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	********	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG-C
DIBENZOFURAN	SAMPLE MEASUREMENT	******	******		******	NODI [6]	NODI [6]	(22)			
81302 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	********	******	REPORT MO AVG	REPORT DAILY MX	PPT		ONCE/ MONTH	COMPOS
	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

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	11	17
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.

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	007 1
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

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

*** NO DISCHARGE |__| ***

Form Approved.
OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
TEMPERATURE, WATER DEG. FAHRENHEIT	SAMPLE MEASUREMENT	******	******		******	62	62	(15) DEG.F	0	01/30	GR
00011 W 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	70 MO AVG	75 DAILY MX	DEG. F		ONCE/ MONTH	GRAB
PH	SAMPLE MEASUREMENT	******	******		7.0	******	7.4	(12) SU	0	01/DW	GR
00400 W 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG-C
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	(21)			
39516 W 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX	PPB		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.001	0.001	(03) MGD	******	******	******		0	22/30	CA
50050 W 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	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		DATE		
413	494-3500	2004	11	17
AREA CODE	NUMBER	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 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)*

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	009 1

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

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

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	0.1	0.6	(26) LBS/DY	******	******	******		0	01/07	CP
00310 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
PH	SAMPLE MEASUREMENT	******	******		6.7	******	7.6	(12) SU	0	01/DW	GR
00400 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG-C
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	1.3	6.2	(26) LBS/DY	******	******	******		0	01/07	CP
00530 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
OIL & GREASE	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	0	(19) MG/L	0	01/DW	GR
00556 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	438 DAILY MX	LBS/DY	******	******	15 DAILY MX	MG/L		WEEKLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	(19)			
39516 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.032	0.493	(03) MGD	******	******	******		0	99/99	RC
50050 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	CERTIFICATION	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
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	413 494-3500 (AREA CODE / NUMBER)	2004 11 17 (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.

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 A — DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 04 MO 10 DAY 01 TO YEAR 04 MO 10 DAY 31

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

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		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)	SAMPLE MEASUREMENT	0.1	0.3	(26)	******	******	******		0	01/DW	CP
00310 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	1.5	6.0	(26)	******	******	******		0	01/DW	CP
00530 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.006	0.048	(03)	******	******	******		0	99/99	RC
50050 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	RCORDR
	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: AREA CODE 413 NUMBER 494-3500

DATE: YEAR 2004 MO 11 DAY 17

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)*

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	009 B

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

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

*** NO DISCHARGE | __ | ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING: AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION: MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	0.1	0.3	(26) LBS/DY	******	******	******		0	01/DW	CP
00310 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	~~1.5~~ 0.2 mtc	~~ATT~~ 0.4 mtc	(26) LBS/DY	******	******	******		0	01/DW	CP
00530 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.026	0.481	(03) MGD	******	******	******		0	99/99	RC
50050 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	RCORDR
	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: AREA CODE	NUMBER	DATE: YEAR	MO	DAY
413	494-3500	2004	11	17

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

SEE PAGE 11 OF PERMIT. SEE DMR 0091; SAMPLE AT 09B.

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	SUM A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

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

*** NO DISCHARGE | __ | ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	01/30	CP
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
NICKEL TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0.01	(26) LBS/DY	******	******	******		0	01/30	CP
01074 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
SILVER TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	01/30	CP
01079 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
ZINC TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0.2	(26) LBS/DY	******	******	******		0	01/07	CP
01094 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
ALUMINUM, TOTAL (AS AL)	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	01/30	CP
01105 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
CADMIUM TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	01/30	CP
01113 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
LEAD TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0.02	(26) LBS/DY	******	******	******		0	01/07	CP
01114 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS

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		DATE		
413	494-3500	2004	11	17
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

COMPOSITE PROPORTIONATE TO FLOW.

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
SUM A — DISCHARGE NUMBER

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

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

*** NO DISCHARGE | __ | ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
CHROMIUM TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	01/30	CP
01118 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
COPPER TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0.06	(26) LBS/DY	******	******	******		0	01/07	CP
01119 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
CYANIDE, TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0.15	(26) LBS/DY	******	******	******		0	01/30	CP
78248 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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.	Michael T. Carroll	413	494-3500	2004	11	17
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

COMPOSITE PROPORTIONATE TO FLOW.

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)*

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	SUM B

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

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

*** NO DISCHARGE |__| ***

Form Approved.
OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
NOAEL STATRE 48HR AC U D. PULEX	SAMPLE MEASUREMENT	******	******		100	******	******	(23) %	0	01/30	CP
TDM3D 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	35 DAILY MN	******	******	PER-CENT		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	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 AREA CODE	NUMBER	DATE YEAR	MO	DAY
413	494-3500	2004	11	17

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.

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used. 00190/031202-0529 This is a 4-part form. PAGE OF

Attachment C

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

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

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

Samples collected in November 2004

Submitted to:

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

SGS Sample ID: TA4-K0-P081

Study Director: Ken Holliday

16 November 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
Study Director
ken_holliday@sgs.com

November 16, 2004
Date

Titshina L. Mims
Technical Writer

November 16, 2004
Date

Barbara Hensley
Project Manager
barbara_hensley@sgs.com

November 16, 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: November 16, 2004
Date

Jeannie Latterner
Authorized signature

Jeannie Latterner
Name

QA/QC Manager
Title

SGS Environmental Services
Laboratory

Table of Contents

List of Tables

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-K0-P081
Test Material:	Composite effluent from the General Electric Company located in Pittsfield, Massachusetts
GE Sample ID:	A6090C
Dilution Water:	Water from the Housatonic River (grab sample)
GE Sample ID:	A6089R
Dates Collected:	November 02, 2004 to November 03, 2004
Date Received:	November 04, 2004
Test Dates:	November 04, 2004 to November 06, 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 November 04, 2004 to November 06, 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 *Daphnia*	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 (A6090C) was collected by GE personnel November 02, 2004 to November 03, 2004. Upon receipt at SGS on November 04, 2004, the sample temperature was 3.4° C. The effluent sample was characterized as having

Parameter	Result
Total Hardness	260
Alkalinity (as $CaCO_3$)	230
pH	7.14
Specific Conductance	811
Dissolved Oxygen Concentration*	8.19

*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 (A6089R) was collected by General Electric personnel on November 03, 2004. Upon receipt at SGS on November 04, 2004, the sample temperature was 3.4°C. The dilution water was characterized as having

Parameter	Result
Total Hardness	210
Alkalinity (as $CaCO_3$)	55
pH	6.41
Specific Conductance	164
Dissolved Oxygen Concentration*	8.82

*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 $CaCO_3$)	68
pH	7.12
Specific Conductance	319
Dissolved Oxygen	8.86

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 x 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 (± 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 chorine 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

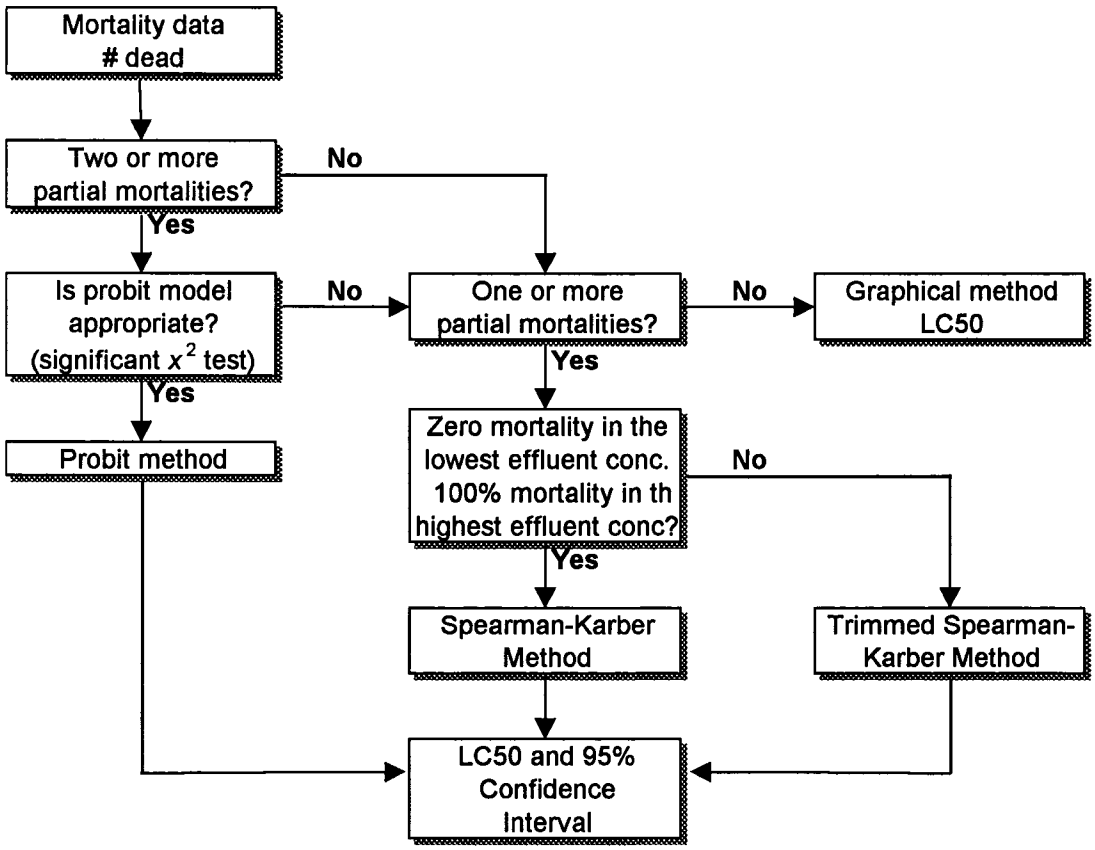
A 48-hour reference toxicity test exposing *Daphnia pulex* to sodium chloride (NaCl) was conducted from November 04, 2004 to November 06, 2004. The reference test was conducted to establish the health of the test organisms. The reference toxicity test included five NaCl concentrations and a dilution 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 LC_{50} 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 November 04, 2004 to November 06, 2004, and the resulting 48-hour LC50 was estimated by Trimmed Spearman-Karber Method to be 2031 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. for *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	0.020 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 (A6090C)	Housatonic River (A6089R)
Temperature	20.8°C	20.8°C
pH	7.14	6.41
Alkalinity (as $CaCO_3$)	230 mg/L	55 mg/L
Hardness (as $CaCO_3$)	260 mg/L	210 mg/L
Dissolved Oxygen	8.19 mg/L	8.82 mg/L
Specific Conductivity	811 µmhos/cm	164 µmhos/cm
Salinity	N/A	N/A
Total Residual Chlorine	ND	ND
Ammonia as N (0-Hour)	ND	ND
Total Phosphorus as P	0.047 mg/L	ND
Chloride	83 mg/L	13 mg/L
Total Suspended Solids	7.0 mg/L	ND
Total Solids	460 mg/L	86 mg/L
Total Organic Carbon	6.8 mg/L	3.8 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	7.12	7.19	7.22	8.86	8.77	8.60	20.8	20.2	20.7
Secondary Ref Control	7.18	7.23	7.28	8.90	8.75	8.67	20.8	20.2	20.7
Dilution Water Control	6.41	6.49	6.54	8.82	8.74	8.62	20.8	20.2	20.7
5% Effluent	6.51	6.57	6.54	8.64	8.58	8.50	20.8	20.2	20.7
15% Effluent	6.60	6.69	6.64	8.60	8.48	8.42	20.8	20.2	20.7
35% Effluent	6.79	6.87	6.88	8.58	8.50	8.46	20.8	20.2	20.7
50% Effluent	6.94	7.04	6.97	8.47	8.39	8.32	20.8	20.2	20.7
75% Effluent	7.03	7.11	7.14	8.30	8.32	8.27	20.8	20.2	20.7
100% Effluent	7.14	7.19	7.15	8.19	8.14	8.22	20.8	20.2	20.7

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 ($Na_2S_2O_3$)
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
$Na_2S_2O_3$ 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

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.

Approved by: Ken Holliday, Supervisor — Date: 10/21/98

Approved by: Linda M. Work, QA/QC Officer — Date: 10/20/98

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

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°± 1°C for *Daphnia*, and 20° ± 1°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

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.

CT&E Environmental Services Inc.
Standard Operating Procedure

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).

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

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

CT&E Environmental Services Inc.
Standard Operating Procedure

Document Title:	**Culture Waters for Aquatic Toxicity Testing**
Method Reference:	**CT&E/USEPA**
Document File Name:	**7005-04.DOC**
Revision Number:	**4.0**
Effective Date:	**October 20, 1998**

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Document Control Number: 7005

Approved by: Ken Halliday Supervisor — Date: 10/21/98

Approved by: Wade M. Davis QA/QC Officer — Date: 10/20/98

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 $CaSO_4 2H_2O$ 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 $CaSO_4 2H_2O$ 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.

CT&E Environmental Services Inc.
Standard Operating Procedure

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 $MgSO_4$ Stock Solution

4.2.1 Place 120 g of regent water, anhydrous $MgSO_4$ 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 $NaHCO_3$ Stock Solution

4.3.1 Place 96 g of reagent grade $NaHCO_3$ 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.

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.

CT&E Environmental Services Inc.
Standard Operating Procedure

Document Title:	**Culture of *Daphnia***
Method Reference:	**CT&E/USEPA**
Document File Name:	**7006-05.DOC**
Revision Number:	**5.0**
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Document Control Number: 7006

Approved by: Ken Halliday (Supervisor) Date: 3/23/2001

Approved by: Lynda M. Work (QA/QC Officer) Date: 3/23/2001

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 ± 1° 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 (*Selanastrum capricorium*) 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.

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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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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Standard Operating Procedure

Document Title:	**Reference Toxicant Testing**
Method Reference:	**CT&E/USEPA**
Document File Name:	**7008-05.DOC**
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Page 1 of 2

Document Control Number: 7008

Approved by: Ken Holliday (Supervisor) Date: 3/23/2001

Approved by: (QA/QC Officer) Date: 3/23/2001

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 (±1°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 (±1°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

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 LC_{50} 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

Document Title: Sample Handling for Aquatic Toxicity Testing
Method Reference: CT&E/USEPA
Document File Name: 7009-04.DOC
Revision Number: 4.0
Effective Date: October 20, 1998

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Document Control Number: 7009

Approved by: Ken Holliday (Supervisor) 10/21/98 (Date)

Approved by: Lydia M. ... (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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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 ± 1° 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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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.

Appendix II
Chain of Custody

Chain of Custody Record

General Electric Co.

100 Woodlawn Ave. Pittsfield, MA 01201

Chain of Custody #: ~~[illegible]~~ OBG110304

'WET **Weather Acute Aquatic Toxicity for** NOV 2004 TA4-KOP081-1/2

Project # NPDES PERMIT	Analytical Lab: CT&E Environmental Services Inc.			Sampled By: (Print) MARK WASNEWSKY		
Sample #	Date	Time	Containers	Parameters to be Analyzed	Preservative	Remarks
1 A6090C	11/2 to 11/3/04	11^00 AM	1 Gallon plastic	Definitive Test(LC50 and NOAEL), Static acute toxicity, 48 hr w/ Daphnia pulex	Chilled	(See below)
1 A6090C	11/2 to 11/3/04	11^00 AM	1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
1 A6090C	11/2 to 11/3/04	11^00 AM	500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	
2 A6089R	11/3/04	8^30 AM	1 Gallon plastic	Housatonic River water dilution water for definitive test	Chilled	
2 A6089R	11/3/04	8^30 AM	1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
2 A6089R	11/3/04	8^30 AM	500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	11-3-04	[signature]	11-3-04 1400
Relinquished By:	Date/Time	Received By:	Date/Time 11-4-04 09:00 3.4°

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- 740 AM 004- / 005-64T- 700 AM 005-64G- 700 AM 007- 750 AM 09A- 800 AM 09B- 800 AM

The time of compositing the final flow-proportioned sample was 1100 **A.M.**

Appendix III

Bench Data

General Electric – 48-hour Acute Biotoxicity Bench Sheet

Client: General Electric

Project: Nov. 2004 Wet Weather Acute Lab. No.: TA4-KO-P081-001/002

Date Received: 11/04/04

Sample Date: 11/02-03/04 Time: 11:00 Date Analyzed: 11/04/04

Source: Effluent Composite Analyst(s): KH

Source of dilution water: Housatonic River Water

Test Species: *Daphnia pulex* Age: < 24 hr. Temp. Range: °C

Type of Test: 48-Hour Static Acute

Total Chlorine: n/d

	Beginning	Ending
Date:	11/04/04	11/06/04
Time:	1100	1100

Concentration→	Housatonic River Control	MHSW Control	MHSW $Na_2S_2O_3$ Control	Effluent 5%	Effluent 15%	Effluent 35%	Effluent 50%	Effluent 75%	Effluent 100%
START									
Temperature	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
Hardness	210	110	110						260
D.O.	8.82	8.86	8.90	8.64	8.60	8.58	8.47	8.30	8.19
pH	6.41	7.12	7.18	6.51	6.60	6.79	6.94	7.03	7.14
Alkalinity	55	68	70						230
Sp. Conduct.	164	319	326	0170	187	291	428	578	811
24 HOUR									
No. Surviving	20	20	20	20	20	20	20	20	20
Temperature	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
D.O.	8.74	8.77	8.75	8.58	8.48	8.50	8.39	8.32	8.14
pH	6.49	7.19	7.23	6.57	6.69	6.87	7.04	7.11	7.19
Sp. Conduct.	172	341	347	177	197	314	431	564	788
48 HOUR									
No. Surviving	20	20	20	20	20	20	20	20	20
Temperature	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
D.O.	8.62	8.60	8.67	8.50	8.42	8.46	8.32	8.27	8.22
pH	6.54	7.22	7.28	6.54	6.64	6.88	6.97	7.14	7.15
Sp. Conduct.	176	388	392	205 80	205	329	424	557	762

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.

f:\public\forms\bioassay\GE bench sheet-acute.doc

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 hrs. Temp. Range: °C

Type of Test: 48 Hour STATIC ACUTE

Total Chlorine:

	Beginning	Ending
Date:	11/04/04	11/06/04
Time:	1100	1100

Concentration	Control		625	1250	2500	5000	10,000
START							
Temperature	20.4		20.4	20.4	20.4	20.4	20.4
Hardness	110						120
D.O.	8.8		8.8	8.9	8.9	8.9	8.9
pH	7.1		7.2	7.2	7.2	7.2	7.2
Alkalinity	67						74
Sp. Conduct.	138		1248	2330	3680	6980	11240
24 HOUR							
Temperature	20.1		20.1	20.1	20.1	20.1	20.1
No. Surviving	20		20	20	13	8	0
48 HOUR							
Temperature	19.6		19.6	19.6	19.6	19.6	19.6
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 (EC_{50}). This number is used in calculating EC_{50} value.

Note: Due to fragile structure of *Dachnia* 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*

TRIMMED SPEARMAN-KARBER METHOD. MONTANA STATE UNIV

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: 11/04/04 TEST NUMBER: - DURATION: 48 HOURS
CHEMICAL: NaCl SPECIES: 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

Facility Name: General Electric Co. Test Start Date: November 04, 2004
NPDES Permit Number: MA 000 3891 Pipe Number: 001, 005-64T, 005-64G, 09A, 09B

Test Type	Test Species	Sample Type	Sample Method
☑ Acute	☐ Fathead minnow	☐ Prechlorinated	☐ Grab
☐ Chronic	☐ Ceriodaphnia	☐ Dechlorinated	☑ Composite
☐ Modified*	☑ Daphnia pulex	☐ Chlorine	☐ Flow thru
☐ 24-hour Screening	☐ Mysid Shrimp	☐ Spiked at lab	☐ Other
	☐ Menidia	☑ Chlorinated on-site	
	☐ Sea Urchin	☐ Unchlorinated	
	☐ Champia		
	☐ Selenastrum		
	☐ Other		

*Modified (Chronic reporting acute values)

Dilution Water

X 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): November 02, 2004 to November 03, 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: November 04, 2004 to November 06, 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	N/A	48-hr LC50	>100%
		Upper Value	N/A
		Lower Value	N/A
		Data Analysis Method used:	N/A
A-NOEC	N/A	A-NOEC	100%
C-NOEC	N/A	C-NOEC	N/A
		LOEC	N/A
IC25	N/A	IC25	N/A
IC50	N/A	IC50	N/A

N/A = not applicable