GE
159 Plastics Avenue
Pittsfield, MA 01201
USA

Transmitted via Overnight Courier

January 9, 2006

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

Ms. Susan Steenstrup
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 December 2005 (GECD900)

Dear Mr. Tagliaferro and Ms. Steenstrup:

Enclosed are copies of General Electric's (GE's) monthly progress report for December 2005 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/GAP

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

Enclosure
V:\GE_Pittsfield_General\Reports and Presentations\Monthly Reports\2005\12-05 CD Monthly\Letter.doc

cc: Robert Cianciarulo, EPA (cover letter only)
Tim Conway, EPA (cover letter only)
Sharon Hayes, 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 (1 hard copy, 5 copies of CD-ROM)
GE Internal Repository (1 hard copy)

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

DECEMBER 2005

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 is submitting this monthly report, prepared on GE's behalf by Blasland, Bouck & Lee, Inc. (BBL), 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)
DECEMBER 2005

a. Activities Undertaken/Completed

- Attended Citizens Coordinating Council (CCC) meeting (December 14, 2005).

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

- Submitted additional information to EPA regarding implementation of Best Management Practices (BMPs), as identified in the Draft NPDES Permit No. MA003891 (December 8, 2005).

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 November 1 through November 30, 2005, are provided in Attachment B to this report.

- GE received a report from Columbia Analytical Services, Inc. titled *NPDES Biomonitoring Report for December 2005*, which included analytical results for samples collected for NPDES-related whole effluent toxicity testing, as well as an attached report from Aquatec Biological Sciences providing the results of the whole effluent toxicity testing performed in December 2005. A copy of this document is provided in Attachment C.

c. Work Plans/Reports/Documents Submitted

None

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

- Continue NPDES sampling and monitoring activities.

- Attend public and CCC meetings, as appropriate.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 1
PLANT AREA
20s, 30s, 40s COMPLEXES
(GECD120)
DECEMBER 2005

a. Activities Undertaken/Completed

- Continued demolition activities at Building 42.
- Conducted air monitoring for particulates and PCBs in connection with demolition activities in the 40s Complex, as identified in Table 1-1.
- Conducted wipe sampling of concrete-reinforcing steel (rebar) from 40s Complex, as identified in Table 1-1.
- Transferred demolition materials from Building 42 demolition activities to the On-Plant Consolidation Areas (OPCAs).

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted annual inspection reports for 20s and 30s Complexes relating to the Grants of Environmental Restrictions and Easements (EREs) for those areas (December 13, 2005).*

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

Continue demolition activities at Building 42.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 1-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2005

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received by GE or BBL
40s Complex Concrete Reinforcing Steel (Rebar) Sampling	40s-REBAR-W1	12/12/05	Pre-Clean Wipe	SGS	PCB	12/15/05
40s Complex Concrete Reinforcing Steel (Rebar) Sampling	40s-REBAR-W10	12/12/05	Pre-Clean Wipe	SGS	PCB	12/15/05
40s Complex Concrete Reinforcing Steel (Rebar) Sampling	40s-REBAR-W11	12/12/05	Pre-Clean Wipe	SGS	PCB	12/15/05
40s Complex Concrete Reinforcing Steel (Rebar) Sampling	40s-REBAR-W12	12/12/05	Pre-Clean Wipe	SGS	PCB	12/15/05
40s Complex Concrete Reinforcing Steel (Rebar) Sampling	40s-REBAR-W2	12/12/05	Pre-Clean Wipe	SGS	PCB	12/15/05
40s Complex Concrete Reinforcing Steel (Rebar) Sampling	40s-REBAR-W3	12/12/05	Pre-Clean Wipe	SGS	PCB	12/15/05
40s Complex Concrete Reinforcing Steel (Rebar) Sampling	40s-REBAR-W4	12/12/05	Pre-Clean Wipe	SGS	PCB	12/15/05
40s Complex Concrete Reinforcing Steel (Rebar) Sampling	40s-REBAR-W5	12/12/05	Pre-Clean Wipe	SGS	PCB	12/15/05
40s Complex Concrete Reinforcing Steel (Rebar) Sampling	40s-REBAR-W6	12/12/05	Pre-Clean Wipe	SGS	PCB	12/15/05
40s Complex Concrete Reinforcing Steel (Rebar) Sampling	40s-REBAR-W7	12/12/05	Pre-Clean Wipe	SGS	PCB	12/15/05
40s Complex Concrete Reinforcing Steel (Rebar) Sampling	40s-REBAR-W8	12/12/05	Pre-Clean Wipe	SGS	PCB	12/15/05
40s Complex Concrete Reinforcing Steel (Rebar) Sampling	40s-REBAR-W9	12/12/05	Pre-Clean Wipe	SGS	PCB	12/15/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	12/1/2005	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/1/2005	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	12/1/2005	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	12/1/2005	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	Background Location	12/1/2005	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	12/5/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/5/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	12/5/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	12/5/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Background Location	12/5/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	12/6/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/6/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	12/6/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	12/6/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Background Location	12/6/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	12/7/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/7/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	12/7/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	12/7/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Background Location	12/7/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	12/8/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/8/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	12/8/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	12/8/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Background Location	12/8/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	12/12/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/12/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	12/12/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	12/12/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Background Location	12/12/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	12/13/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/13/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	12/13/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	12/13/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Background Location	12/13/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005

TABLE 1-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2005

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	12/14/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/14/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	12/14/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	12/14/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Background Location	12/14/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	12/15/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/15/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	12/15/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	12/15/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Background Location	12/15/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	12/20/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/20/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	12/20/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	12/20/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Background Location	12/20/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	12/21/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/21/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	12/21/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	12/21/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Background Location	12/21/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	12/22/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/22/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	12/22/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	12/22/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Background Location	12/22/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	12/23/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/23/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	12/23/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	12/23/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Background Location	12/23/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
PCB Ambient Air Sampling	Field Blank	12/13 - 12/14/05	Air	Berkshire Environmental	PCB	12/22/2005
PCB Ambient Air Sampling	W3 - West of 40s Complex	12/13 - 12/14/05	Air	Berkshire Environmental	PCB	12/22/2005
PCB Ambient Air Sampling	S2 - Woodlawn Avenue	12/13 - 12/14/05	Air	Berkshire Environmental	PCB	12/22/2005
PCB Ambient Air Sampling	M2 - South of Bldg. 5	12/13 - 12/14/05	Air	Berkshire Environmental	PCB	12/22/2005
PCB Ambient Air Sampling	MC3 - Near Bldg. 16 & 19	12/13 - 12/14/05	Air	Berkshire Environmental	PCB	12/22/2005
PCB Ambient Air Sampling	MC3-CO Colocated - near Bldgs. 16 & 19	12/13 - 12/14/05	Air	Berkshire Environmental	PCB	12/22/2005
PCB Ambient Air Sampling	BK3-Background - East of Building 9B	12/13 - 12/14/05	Air	Berkshire Environmental	PCB	12/22/2005

TABLE 1-2
PCB DATA RECEIVED DURING DECEMBER 2005

CONCRETE REINFORCING STEEL (REBAR) SAMPLING
20s, 30s, 40s COMPLEX
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in μg/100cm^2)

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
40S-REBAR-W1	12/12/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
40S-REBAR-W2	12/12/2005	ND(1.0)	8.1	ND(1.0)	8.1
40S-REBAR-W3	12/12/2005	ND(1.0)	2.6	ND(1.0)	2.6
40S-REBAR-W4	12/12/2005	ND(1.0)	15	ND(1.0)	15
40S-REBAR-W5	12/12/2005	ND(1.0)	2.6	ND(1.0)	2.6
40S-REBAR-W6	12/12/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
40S-REBAR-W7	12/12/2005	ND(4.0)	50	ND(4.0)	50
40S-REBAR-W8	12/12/2005	ND(1.0)	7.8	ND(1.0)	7.8
40S-REBAR-W9	12/12/2005	ND(4.0)	45	ND(4.0)	45
40S-REBAR-W10	12/12/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
40S-REBAR-W11	12/12/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
40S-REBAR-W12	12/12/2005	ND(1.0)	16	ND(1.0)	16

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 parenthesis is the associated detection limit.

TABLE 1-3
AMBIENT AIR PCB DATA RECEIVED DURING DECEMBER 2005

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

Sampling Event Period	Date Analytical Results Received by BEC, Inc.	Field Blank (µg/m3)	W3 - West of 40s Complex (µg/m3)	S2 - Woodlawn Avenue (µg/m3)	M2 - South of Bldg. 5 (µg/m3)	MC3 - Near Bldg. 16 & 19 (µg/m3)	MC3-CO Colocated - Near Bldgs. 16 & 19 (µg/m3)	BK3-Background - East of Building 9B (µg/m3)
12/13 - 12/14/05	12/19/05	ND	NA[1]	0.0019	ND	0.0019	0.0019	ND
Notification Level		0.05	0.05	0.05	0.05	0.05	0.05	0.05

Notes:
NA - Not Available
ND - Non Detect (<0.0003)
[1] Sample not analyzed. Sample lost in the field due to equipment failure.

TABLE 1-4
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING DECEMBER 2005[1]

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

Sampling Date[2]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
12/01/05	W3 - West of 40s Complex	0.069	0.006*	10:45	WNW, N
	MC3 - Near Bldg. 16 & 19	0.009*		10:45	
	M2 - South of Bldg. 5	0.011*		10:30	
	S2 - Woodlawn Avenue	0.019		10:45	
12/05/05	W3 - West of 40s Complex	0.001	0.011*	10:15	Variable
	MC3 - Near Bldg. 16 & 19	0.015*		10:30	
	M2 - South of Bldg. 5	0.025*		10:15	
	S2 - Woodlawn Avenue	0.019		10:00	
12/06/05	W3 - West of 40s Complex	0.008	0.014*	10:45	WNW
	MC3 - Near Bldg. 16 & 19	0.025*		11:00	
	M2 - South of Bldg. 5	0.024*		10:45	
	S2 - Woodlawn Avenue	0.024		10:45	
12/07/05	W3 - West of 40s Complex	0.006	0.016*	9:15[3]	WNW
	MC3 - Near Bldg. 16 & 19	0.021*		8:30[3]	
	M2 - South of Bldg. 5	0.029*		9:00[3]	
	S2 - Woodlawn Avenue	0.018		9:45[3]	
12/08/05	W3 - West of 40s Complex	0.011	0.012*	11:00	WNW
	MC3 - Near Bldg. 16 & 19	0.029*		11:15	
	M2 - South of Bldg. 5	0.018*		11:00	
	S2 - Woodlawn Avenue	0.008		11:00	
12/12/05	W3 - West of 40s Complex	0.000	0.008*	6:30[3]	WNW
	MC3 - Near Bldg. 16 & 19	0.011*		6:30[3]	
	M2 - South of Bldg. 5	0.015*		6:15[3]	
	S2 - Woodlawn Avenue	0.010		6:00[3]	
12/13/05	W3 - West of 40s Complex	0.036	0.013*	11:00	WNW
	MC3 - Near Bldg. 16 & 19	0.019*		11:00	
	M2 - South of Bldg. 5	0.013*		10:45	
	S2 - Woodlawn Avenue	0.009		10:45	
12/14/05	W3 - West of 40s Complex	0.050	0.031*	9:30	WNW, W, WSW
	MC3 - Near Bldg. 16 & 19	0.057*		10:00	
	M2 - South of Bldg. 5	0.035*		9:30	
	S2 - Woodlawn Avenue	0.040		9:30	
12/15/05	W3 - West of 40s Complex	0.078	0.054*	10:45	Calm
	MC3 - Near Bldg. 16 & 19	0.091*		10:45	
	M2 - South of Bldg. 5	0.091*		10:30	
	S2 - Woodlawn Avenue	0.094		10:30	
12/20/05	W3 - West of 40s Complex	0.032	0.019*	10:45	W
	MC3 - Near Bldg. 16 & 19	0.030*		11:15	
	M2 - South of Bldg. 5	0.026*		10:45	
	S2 - Woodlawn Avenue	0.017		10:45	
12/21/05	W3 - West of 40s Complex	0.025	0.013*	9:45	WNW
	MC3 - Near Bldg. 16 & 19	0.029*		9:30	
	M2 - South of Bldg. 5	0.015*		9:30	
	S2 - Woodlawn Avenue	0.010		9:30	

TABLE 1-4
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING DECEMBER 2005[1]

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

Sampling Date[2]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
12/22/05	W3 - West of 40s Complex	0.029	0.016*	10:15	SSW
	MC3 - Near Bldg. 16 & 19	0.035*		10:15	
	M2 - South of Bldg. 5	0.022*		10:15	
	S2 - Woodlawn Avenue	0.014		10:15	
12/23/05	W3 - West of 40s Complex	0.051	0.047*	10:45	Calm
	MC3 - Near Bldg. 16 & 19	0.064*		10:30	
	M2 - South of Bldg. 5	0.074*		10:30	
	S2 - Woodlawn Avenue	0.067		10:45	
Notification Level		0.120			

Notes:

* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring station is located east of Building 9B, between 9B and New York Avenue.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

[1] Monitoring was performed only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

[2] The particulate monitors obtain real-time data. The sampling data were obtained by BEC on the sampling date.

[3] Sampling period was shortened due to precipitation/threat of precipitation.

ITEM 2
PLANT AREA
EAST STREET AREA 2-SOUTH
(GECD150)
DECEMBER 2005

a. Activities Undertaken/Completed

- Conducted Liquid-Phase Carbon Absorption (LPCA) sampling at Building 64G, as identified in Table 2-1.

- Continued development of Conceptual Removal Design/Removal Action (RD/RA) Work Plan.*

- Received comments from EPA and MDEP on the draft ERE and survey plans for the City Recreational Area (December 21, 2005).*

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

- Submitted inspection report for fall 2005 inspection of the City Recreational Area (December 20, 2005).*

- Submitted draft of Final Completion Report for the City Recreational Area (December 22, 2005).*

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

- Continue routine process sampling at Buildings 64G and/or 64T.

- Submit Conceptual RD/RA Work Plan (due to EPA by January 20, 2006).*

- Discuss with EPA and MDEP their comments on the draft ERE and survey plans for the City Recreational Area, and then revise and re-submit those documents.*

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 DECEMBER 2005

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Building 64G LPCA Monitoring	K5-64G-17	11/14/05	Water	Columbia	Oil & Grease	12/5/05
Building 64G LPCA Monitoring	K5-64G-18	11/14/05	Water	Columbia	Oil & Grease	12/5/05
Building 64G LPCA Monitoring	K5-64G-19	11/22/05	Water	Columbia	VOC	12/5/05

TABLE 2-2
DATA RECEIVED DURING DECEMBER 2005

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:	K5-64G-17 11/14/05	K5-64G-18 11/14/05	K5-64G-19 11/22/05
Volatile Organics			
1,1,1-Trichloroethane	NA	NA	0.0028
1,1-Dichloroethane	NA	NA	0.0029
Chloroethane	NA	NA	0.0016
Chloroform	NA	NA	0.00098
Vinyl Chloride	NA	NA	0.00058
Conventionals			
Oil & Grease	ND(5.0)	ND(5.0)	NA

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

ITEM 3
PLANT AREA
EAST STREET AREA 2-NORTH
(GECD140)
DECEMBER 2005

a. Activities Undertaken/Completed

- Completed demolition activities at Buildings 15, 15A, 15B, and 15W.

- Conducted air monitoring for particulate matter and PCBs in connection with above-mentioned demolition activities, as identified in Table 3-1.

- Conducted equipment draining, dismantling activities, and oil sampling at Building 100 Annex between Buildings 3 and 100.

- Conducted microfilm sampling at Building 16 and acetone/hexane drum sampling at Building 78, as identified in Table 3-1.

- Provided verbal notification to EPA (December 13, 2005) and submitted a written notification follow-up to EPA (December 19, 2005) regarding PCB concentrations exceeding 50 ppm in oil samples collected from equipment within Building 100 Annex between Buildings 3 and 100.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

- Initiate demolition of Buildings 1, 2, 3, and 3B and associated annexes (Buildings 1A and 100 Annex) per EPA's November 21, 2005 approval of GE's plans for demolition of those buildings and consolidation of certain building demolition debris at the OPCAs, as those plans relate to the above-grade portions of these buildings.

- Following receipt of EPA approval of GE's October 7, 2005 *Supplement to Conceptual RD/RA Work Plan and Proposal for Additional Investigations* (Conceptual Work Plan Supplement) conduct the additional investigations and evaluations described therein and begin development of an Addendum to the Conceptual RD/RA Work Plan to present the results.*

ITEM 3
(cont'd)
PLANT AREA
EAST STREET AREA 2-NORTH
(GECD140)
DECEMBER 2005

e. General Progress/Unresolved Issues/Potential Schedule Impacts

- GE has proposed to EPA that additional technical discussions be conducted regarding the below-grade portions of Buildings 1, 2, 3, and 3B.

- The Final RD/RA Work Plan for this area was previously due on January 13, 2006. However, given the need for additional investigations as described in the Conceptual Work Plan Supplement, GE will propose a revised schedule for submission of the Final RD/RA Work Plan in the above-mentioned Addendum to the Conceptual RD/RA Work Plan.

f. Proposed/Approved Work Plan Modifications

Received MDEP approval of GE's November 11, 2005 letter requesting an exemption from certain MDEP asbestos regulations during the demolition of roofing materials associated with Buildings 1, 2, and 3, and subsequent disposal of the roof materials as asbestos-containing (December 29, 2005).

TABLE 3-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2005

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Building 100 Annex Oil Sampling	1031001-OIL-1	12/6/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	1031002-OIL-1	12/6/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	1031003-OIL-1	12/6/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	1031004-OIL-1	12/6/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	1031005-OIL-1	12/6/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	110714-OIL-1	12/5/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	110815-OIL-1	12/6/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	110816-OIL-1	12/6/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	111006-OIL-1	12/6/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	111007-OIL-1	12/6/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	11720-OIL-1	12/6/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	C1248-OIL-1	12/5/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	C1249-OIL-1	12/5/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	C1250-OIL-1	12/5/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	C1252-OIL-1	12/5/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	C1253-OIL-1	12/5/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	C1258-OIL-1	12/5/05	Oil	SGS	PCB	12/12/05
Building 100 Annex Oil Sampling	C1259-OIL-1	12/5/05	Oil	SGS	PCB	12/12/05
Building 16 Micro Film Sampling	ROLL1128-MICRO-W1	11/28/05	Wipe	SGS	PCB	12/1/05
Building 78 - Acetone/Hexane Drum Sampling	F1885-1	11/30/05	Water	SGS	PCB	12/1/05
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	12/1/2005	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	M5 - Near Bldg. 17-C	12/1/2005	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/1/2005	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	Background Location	12/1/2005	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	12/5/2005	Air	Berkshire Environmental	Particulate Matter	12/10/2005
Ambient Air Particulate Matter Sampling	M5 - Near Bldg. 17-C	12/5/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/5/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Background Location	12/5/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	12/6/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	M5 - Near Bldg. 17-C	12/6/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/6/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Background Location	12/6/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	12/7/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	M5 - Near Bldg. 17-C	12/7/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/7/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Background Location	12/7/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	12/8/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	M5 - Near Bldg. 17-C	12/8/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/8/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Background Location	12/8/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	12/12/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	M5 - Near Bldg. 17-C	12/12/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005

TABLE 3-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2005

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/12/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Background Location	12/12/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	12/13/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	M5 - Near Bldg. 17-C	12/13/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/13/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Background Location	12/13/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	12/14/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	M5 - Near Bldg. 17-C	12/14/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/14/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Background Location	12/14/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	12/15/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	M5 - Near Bldg. 17-C	12/15/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	12/15/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Background Location	12/15/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
PCB Ambient Air Sampling	MC3 - Near Bldgs. 16 & 19	12/8 - 12/9/05	Air	Berkshire Environmental	PCB	12/16/2005
PCB Ambient Air Sampling	M4 - South of Bldg. 15	12/8 - 12/9/05	Air	Berkshire Environmental	PCB	12/16/2005
PCB Ambient Air Sampling	M4-CO-South of Bldg. 15	12/8 - 12/9/05	Air	Berkshire Environmental	PCB	12/16/2005
PCB Ambient Air Sampling	M5 - Near Bldg. 17-C	12/8 - 12/9/05	Air	Berkshire Environmental	PCB	12/16/2005
PCB Ambient Air Sampling	BK3-Background - East of Building 9B	12/8 - 12/9/05	Air	Berkshire Environmental	PCB	12/16/2005

TABLE 3-2
PCB DATA RECEIVED DURING DECEMBER 2005

BUILDING 16 MICRO-FILM SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in μg/100cm^2)

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
ROLL1128-MICRO-W1	11/28/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

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 parenthesis is the associated detection limit.

TABLE 3-3
PCB DATA RECEIVED DURING DECEMBER 2005

BUILDING 78 - ACETONE/HEXANE DRUM SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
F1885-1	11/30/2005	ND(0.000065)	0.000070	ND(0.000065)	0.000070

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 parenthesis is the associated detection limit.

TABLE 3-4
PCB DATA RECEIVED DURING DECEMBER 2005

BUILDING 100 ANNEX OIL SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
1031001-OIL-1	12/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1031002-OIL-1	12/6/2005	ND(8.0)	ND(8.0)	100	100
1031003-OIL-1	12/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1031004-OIL-1	12/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1031005-OIL-1	12/6/2005	ND(1.0)	0.53 J	ND(1.0)	0.53 J
110714-OIL-1	12/5/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
110815-OIL-1	12/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
110816-OIL-1	12/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
111006-OIL-1	12/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
111007-OIL-1	12/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
11720-OIL-1	12/6/2005	ND(1.0)	1.1	ND(1.0)	1.1
C1248-OIL-1	12/5/2005	ND(1.0)	ND(1.0)	28	28
C1249-OIL-1	12/5/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1250-OIL-1	12/5/2005	ND(1.0)	1.2	ND(1.0)	1.2
C1252-OIL-1	12/5/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1253-OIL-1	12/5/2005	ND(1.0)	1.5	ND(1.0)	1.5
C1258-OIL-1	12/5/2005	ND(1.0)	6.7	ND(1.0)	6.7
C1259-OIL-1	12/5/2005	ND(1.0)	5.4	ND(1.0)	5.4

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 parenthesis is the associated detection limit.

TABLE 3-5
AMBIENT AIR PCB DATA RECEIVED DURING DECEMBER 2005

15s COMPLEX DEMOLITION ACTIVITIES
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Sampling Event Period	Date Analytical Results Received by BEC, Inc.	MC3-Near Bldgs. 16 & 19 (µg/m3)	M4-South of Bldg. 15 (µg/m3)	M4-CO - South of Bldg. 15 (µg/m3)	M5 - Near Bldg. 17-C (µg/m3)	BK3-Background - East of Building 9B (µg/m3)
12/8 - 12/9/05	12/15/05	0.0034	0.0017	0.0015	0.0012	ND
Notification Level		0.05	0.05	0.05	0.05	0.05

Note:

ND - Non Detect (<0.0003).

TABLE 3-6
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING DECEMBER 2005[1]

15s COMPLEX DEMOLITION ACTIVITIES
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Sampling Date[2]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
12/01/05	M4 - South of Bldg. 15	0.015	0.006*	10:30	WNW, N
	M5 - Near Bldg. 17-C	0.022		10:45	
	MC3 - Near Bldg. 16 & 19	0.009*		10:45	
12/05/05	M4 - South of Bldg. 15	0.024	0.011*	10:15	Variable
	M5 - Near Bldg. 17-C	0.027		8:45[3]	
	MC3 - Near Bldg. 16 & 19	0.015*		10:30	
12/06/05	M4 - South of Bldg. 15	0.027	0.014*	10:45	WNW
	M5 - Near Bldg. 17-C	0.040		8:30[3]	
	MC3 - Near Bldg. 16 & 19	0.025*		11:00	
12/07/05	M4 - South of Bldg. 15	0.027	0.016*	8:45[4]	WNW
	M5 - Near Bldg. 17-C	0.029		7:45[3,4]	
	MC3 - Near Bldg. 16 & 19	0.021*		8:30[4]	
12/08/05	M4 - South of Bldg. 15	0.043	0.012*	11:00	WNW
	M5 - Near Bldg. 17-C	0.040		11:00	
	MC3 - Near Bldg. 16 & 19	0.029*		11:15	
12/12/05	M4 - South of Bldg. 15	0.016	0.008*	6:15[4]	WNW
	M5 - Near Bldg. 17-C	0.015		6:30[4]	
	MC3 - Near Bldg. 16 & 19	0.011*		6:30[4]	
12/13/05	M4 - South of Bldg. 15	0.021	0.013*	10:45	WNW
	M5 - Near Bldg. 17-C	0.037		11:00	
	MC3 - Near Bldg. 16 & 19	0.019*		11:00	
12/14/05	M4 - South of Bldg. 15	0.059	0.031*	9:30	WNW, W, WSW
	M5 - Near Bldg. 17-C	0.069		10:00	
	MC3 - Near Bldg. 16 & 19	0.057*		10:00	
12/15/05	M4 - South of Bldg. 15	0.113	0.054*	10:30	Calm
	M5 - Near Bldg. 17-C	0.118		10:45	
	MC3 - Near Bldg. 16 & 19	0.091*		10:45	
Notification Level		0.120			

Notes:

* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring station is located east of Building 9B, between 9B and New York Avenue.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

[1] Monitoring was performed only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

[2] The particulate monitors obtain real-time data. The sampling data were obtained by BEC on the sampling date.

[3] Sampling period was shortened due to instrument malfunction.

[4] Sampling period was shortened due to precipitation/threat of precipitation.

ITEM 5
PLANT AREA
HILL 78 & BUILDING 71 CONSOLIDATION AREAS
(GECD210/220)
DECEMBER 2005

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

a. Activities Undertaken/Completed

- Conducted ambient air monitoring for particulates and PCBs, as identified in Table 5-1.
- Conducted OPCA bucket sampling, as identified in Table 5-1.
- Continued transfer of leachate from Building 71 OPCA to Building 64G for treatment. The total amount transferred in December 2005 was 168,000 gallons (see Table 5-5).
- Transferred to the OPCAs soils and sediments from EPA's removal activities in the 1½ Mile Reach; excavated soils and materials from removal activities at Newell Street Area I and Newell Street Area II; demolition debris from Buildings 15 and 42; and various facility-related materials.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted a table summary of proposed enhancements/additional requirements for OPCA operations (December 19, 2005).

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

Submit a proposed revised footprint for the Hill 78 OPCA, proposing a modification of the boundaries of that OPCA.

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 DECEMBER 2005

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 by GE or BBL
71 OPCA Bucket Sampling	JDEERE-BUCKET-W1	12/20/05	Wipe	SGS	PCB	12/22/05
71 OPCA Bucket Sampling	JDEERE-BUCKET-W2	12/20/05	Wipe	SGS	PCB	12/22/05
71 OPCA Bucket Sampling	JDEERE-BUCKET-W3	12/20/05	Wipe	SGS	PCB	12/22/05
Ambient Air Particulate Matter Sampling	North of OPCAs	12/1/2005	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	12/1/2005	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	12/1/2005	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	12/1/2005	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	West of OPCAs	12/1/2005	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	Background Location	12/1/2005	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	North of OPCAs	12/5/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	12/5/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	12/5/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	12/5/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	West of OPCAs	12/5/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Background Location	12/5/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	North of OPCAs	12/6/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	12/6/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	12/6/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	12/6/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	West of OPCAs	12/6/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Background Location	12/6/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	North of OPCAs	12/7/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	12/7/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	12/7/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	12/7/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	West of OPCAs	12/7/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Background Location	12/7/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	North of OPCAs	12/8/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	12/8/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	12/8/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	12/8/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	West of OPCAs	12/8/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Background Location	12/8/2005	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	North of OPCAs	12/12/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	12/12/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	12/12/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	12/12/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	West of OPCAs	12/12/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Background Location	12/12/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	North of OPCAs	12/13/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	12/13/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005

TABLE 5-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2005

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 by GE or BBL
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	12/13/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	12/13/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	West of OPCAs	12/13/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Background Location	12/13/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	North of OPCAs	12/14/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	12/14/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	12/14/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	12/14/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	West of OPCAs	12/14/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Background Location	12/14/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	North of OPCAs	12/15/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	12/15/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	12/15/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	12/15/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	West of OPCAs	12/15/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Background Location	12/15/2005	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	North of OPCAs	12/20/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	12/20/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	12/20/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	12/20/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	West of OPCAs	12/20/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Background Location	12/20/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	North of OPCAs	12/21/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	12/21/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	12/21/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	12/21/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	West of OPCAs	12/21/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Background Location	12/21/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	North of OPCAs	12/22/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	12/22/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	12/22/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	12/22/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	West of OPCAs	12/22/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Background Location	12/22/2005	Air	Berkshire Environmental	Particulate Matter	12/30/2005
PCB Ambient Air Sampling	Field Blank	12/01 - 12/02/05	Air	Berkshire Environmental	PCB	12/7/2005
PCB Ambient Air Sampling	Northwest of OPCAs	12/01 - 12/02/05	Air	Berkshire Environmental	PCB	12/7/2005
PCB Ambient Air Sampling	Northwest of OPCAs colocated	12/01 - 12/02/05	Air	Berkshire Environmental	PCB	12/7/2005
PCB Ambient Air Sampling	West of OPCAs	12/01 - 12/02/05	Air	Berkshire Environmental	PCB	12/7/2005
PCB Ambient Air Sampling	North of OPCAs	12/01 - 12/02/05	Air	Berkshire Environmental	PCB	12/7/2005
PCB Ambient Air Sampling	Southeast of OPCAs	12/01 - 12/02/05	Air	Berkshire Environmental	PCB	12/7/2005
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	12/01 - 12/02/05	Air	Berkshire Environmental	PCB	12/7/2005
PCB Ambient Air Sampling	Background East of Building 9B	12/01 - 12/02/05	Air	Berkshire Environmental	PCB	12/7/2005

TABLE 5-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2005

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 by GE or BBL
PCB Ambient Air Sampling	Field Blank	12/06 - 12/07/05	Air	Berkshire Environmental	PCB	12/13/2005
PCB Ambient Air Sampling	Northwest of OPCAs	12/06 - 12/07/05	Air	Berkshire Environmental	PCB	12/13/2005
PCB Ambient Air Sampling	Northwest of OPCAs colocated	12/06 - 12/07/05	Air	Berkshire Environmental	PCB	12/13/2005
PCB Ambient Air Sampling	West of OPCAs	12/06 - 12/07/05	Air	Berkshire Environmental	PCB	12/13/2005
PCB Ambient Air Sampling	North of OPCAs	12/06 - 12/07/05	Air	Berkshire Environmental	PCB	12/13/2005
PCB Ambient Air Sampling	Southeast of OPCAs	12/06 - 12/07/05	Air	Berkshire Environmental	PCB	12/13/2005
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	12/06 - 12/07/05	Air	Berkshire Environmental	PCB	12/13/2005
PCB Ambient Air Sampling	Background East of Building 9B	12/06 - 12/07/05	Air	Berkshire Environmental	PCB	12/13/2005
PCB Ambient Air Sampling	Field Blank	12/15 - 12/16/05	Air	Berkshire Environmental	PCB	12/22/2005
PCB Ambient Air Sampling	Northwest of OPCAs	12/15 - 12/16/05	Air	Berkshire Environmental	PCB	12/22/2005
PCB Ambient Air Sampling	Northwest of OPCAs colocated	12/15 - 12/16/05	Air	Berkshire Environmental	PCB	12/22/2005
PCB Ambient Air Sampling	West of OPCAs	12/15 - 12/16/05	Air	Berkshire Environmental	PCB	12/22/2005
PCB Ambient Air Sampling	North of OPCAs	12/15 - 12/16/05	Air	Berkshire Environmental	PCB	12/22/2005
PCB Ambient Air Sampling	Southeast of OPCAs	12/15 - 12/16/05	Air	Berkshire Environmental	PCB	12/22/2005
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	12/15 - 12/16/05	Air	Berkshire Environmental	PCB	12/22/2005
PCB Ambient Air Sampling	Background East of Building 9B	12/15 - 12/16/05	Air	Berkshire Environmental	PCB	12/22/2005
PCB Ambient Air Sampling	Field Blank	12/20 - 12/21/05	Air	Berkshire Environmental	PCB	12/30/2005
PCB Ambient Air Sampling	Northwest of OPCAs	12/20 - 12/21/05	Air	Berkshire Environmental	PCB	12/30/2005
PCB Ambient Air Sampling	Northwest of OPCAs colocated	12/20 - 12/21/05	Air	Berkshire Environmental	PCB	12/30/2005
PCB Ambient Air Sampling	West of OPCAs	12/20 - 12/21/05	Air	Berkshire Environmental	PCB	12/30/2005
PCB Ambient Air Sampling	North of OPCAs	12/20 - 12/21/05	Air	Berkshire Environmental	PCB	12/30/2005
PCB Ambient Air Sampling	Southeast of OPCAs	12/20 - 12/21/05	Air	Berkshire Environmental	PCB	12/30/2005
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	12/20 - 12/21/05	Air	Berkshire Environmental	PCB	12/30/2005
PCB Ambient Air Sampling	Background East of Building 9B	12/20 - 12/21/05	Air	Berkshire Environmental	PCB	12/30/2005

TABLE 5-2
PCB DATA RECEIVED DURING DECEMBER 2005

BUCKET SAMPLING
HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in μg/100cm^2)

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
JDEERE-BUCKET-W1	12/20/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
JDEERE-BUCKET-W2	12/20/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
JDEERE-BUCKET-W3	12/20/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

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 parenthesis is the associated detection limit.

TABLE 5-3
AMBIENT AIR PCB DATA RECEIVED DURING DECEMBER 2005

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

Sampling Event Period	Date Analytical Results Received by BEC, Inc.	Field Blank (µg/m3)	Northwest of OPCAs (µg/m^3)	Northwest 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 East of Building 9B (µg/m^3)
12/01 - 12/02/05	12/06/05	ND	0.0024	0.0014	0.0010	0.0019	0.0011	0.0040	0.0015
12/06 - 12/07/05	12/13/05	ND	ND	ND	ND	ND	ND	ND	ND
12/15 - 12/16/05	12/21/05	ND	0.0011	0.0008	0.0012	0.0015	0.0005	0.0007	0.0005
12/20 - 12/21/05	12/28/05	ND	ND	ND	0.0006	ND	0.0005	0.0012	ND
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
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING DECEMBER 2005[1]

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

Sampling Date[2]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
12/01/05	North of OPCAs	0.006*	0.006*	10:45	WNW, N
	Pittsfield Generating Co.	0.014		10:45	
	Southeast of OPCAs	0.039		10:45	
	Northwest of OPCAs	0.006*		6:15[3]	
	West of OPCAs	0.014*		10:15	
12/05/05	North of OPCAs	0.021*	0.011*	10:30	Variable
	Pittsfield Generating Co.	0.018		10:30	
	Southeast of OPCAs	0.043		10:30	
	Northwest of OPCAs	0.002*[4]		10:30[5]	
	West of OPCAs	0.017*		8:00[6]	
12/06/05	North of OPCAs	0.019*	0.014*	10:45	WNW
	Pittsfield Generating Co.	0.023		10:45	
	Southeast of OPCAs	0.049		10:45	
	Northwest of OPCAs	0.001*		10:00	
	West of OPCAs	0.022*		10:00	
12/07/05	North of OPCAs	0.024*	0.016*	8:45[7]	WNW
	Pittsfield Generating Co.	0.040		6:45[8]	
	Southeast of OPCAs	0.046		7:00[8]	
	Northwest of OPCAs	0.024*		8:30[7]	
	West of OPCAs	0.018*		8:30[7]	
12/08/05	North of OPCAs	0.021*	0.012*	11:00	WNW
	Pittsfield Generating Co.	0.019		11:00	
	Southeast of OPCAs	0.037		11:00	
	Northwest of OPCAs	0.014*		11:00	
	West of OPCAs	0.010*		7:15[6]	
12/12/05	North of OPCAs	0.010*	0.008*	6:15[7]	WNW
	Pittsfield Generating Co.	NA[9]		NA[9]	
	Southeast of OPCAs	0.012		6:15[7]	
	Northwest of OPCAs	0.010*		6:15[7]	
	West of OPCAs	0.015*		5:45[7]	
12/13/05	North of OPCAs	0.016*	0.013*	11:00	WNW
	Pittsfield Generating Co.	0.015		11:00	
	Southeast of OPCAs	0.016		11:00	
	Northwest of OPCAs	0.007*		7:15[3]	
	West of OPCAs	0.018*		11:00	
12/14/05	North of OPCAs	0.038*	0.031*	9:30	WNW, W, WSW
	Pittsfield Generating Co.	0.043		9:30	
	Southeast of OPCAs	0.046		9:30	
	Northwest of OPCAs	0.024*		9:45	
	West of OPCAs	0.017*		6:30[6]	
12/15/05	North of OPCAs	0.033*	0.054*	10:45	Calm
	Pittsfield Generating Co.	0.072		10:30	
	Southeast of OPCAs	0.072		10:45	
	Northwest of OPCAs	0.038*		10:45	
	West of OPCAs	0.039*		10:15	

TABLE 5-4
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING DECEMBER 2005[1]

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

Sampling Date[2]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
12/20/05	North of OPCAs	0.022*	0.019*	11:15	W
	Pittsfield Generating Co.	0.026		9:00[10]	
	Southeast of OPCAs	0.035		11:30	
	Northwest of OPCAs	0.013*		11:45	
	West of OPCAs	0.032*		12:00	
12/21/05	North of OPCAs	0.018*	0.013*	10:00	WNW
	Pittsfield Generating Co.	0.019		10:15	
	Southeast of OPCAs	0.017		10:00	
	Northwest of OPCAs	0.032*		9:45	
	West of OPCAs	0.024*		9:45	
12/22/05	North of OPCAs	0.007*	0.016*	10:15	SSW
	Pittsfield Generating Co.	0.025		10:15	
	Southeast of OPCAs	0.019		10:15	
	Northwest of OPCAs	0.013*		10:15	
	West of OPCAs	0.030*		10:00	
Notification Level		0.120			

Notes:

NA - Not Available

* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring station is located east of Building 9B, between Building 9B and New York Avenue.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

[1] Monitoring was performed only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

[2] The particulate monitors obtain real-time data. The sampling data were obtained by BEC on the sampling date.

[3] Sampling period was shortened due to equipment malfunction and re-calibration.

[4] Reading reflects average concentration manually recorded from the monitor at the end of the day. Unable to download data due to equipment failure.

[5] Estimated time of operation. Unable to download data due to equipment failure.

[6] Sampling period was shortened due to technician error.

[7] Sampling period was shortened due to precipitation/threat of precipitation.

[8] Sampling period was shortened due to precipitation/threat of precipitation and instrument's inherent sensitivity to moisture (snow squalls).

[9] Data not available due to steam interference on instrument readings from cooling towers.

[10] Sampling period was shortened due to steam interference on instrument readings from cooling towers.

TABLE 5-5
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
December 2005

Month / Year	Total Volume of Leachate Transferred (Gallons)
December 2004	146,000
January 2005	136,000
February 2005	116,500
March 2005	174,500
April 2005	192,000
May 2005	89,500
June 2005	130,000
July 2005	127,500
August 2005	55,000
September 2005	55,000
October 2005	378,000
November 2005	162,500
December 2005	168,000

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
DECEMBER 2005

a. Activities Undertaken/Completed

Began topography and boundary survey updates for Hill 78 Area - Remainder.*

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Continue topography and boundary survey updates for Hill 78 Area - Remainder.*

- Following EPA approval of the Pre-Design Investigation Report (submitted on September 7, 2005), perform the additional soil sampling activities proposed therein (subject to weather constraints).*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

A proposed video inspection of the storm and sanitary sewer lines within the Hill 78 Area has been deferred to spring 2006 due to weather constraints.*

f. Proposed/Approved Work Plan Modifications

None

ITEM 7
PLANT AREA
UNKAMET BROOK AREA
(GECD170)
DECEMBER 2005

a. Activities Undertaken/Completed

Sent letters to the owners of Parcels L11-4-11, L11-4-112, L12-1-4, L12-1-101, and L12-1-5 regarding the option to agree to EREs for their properties (December 6, 2005).*

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Following EPA approval of the Pre-Design Investigation Report (submitted on September 6, 2005) and the December 2, 2005 Addendum, perform the additional soil sampling activities proposed therein (subject to weather constraints).*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

In a letter dated August 15, 2005, GE proposed to remove Parcel L12-1-2 from the Unkamet Brook Area RAA. That proposal is pending approval from EPA.*

ITEM 8
FORMER OXBOW AREAS A & C
(GECD410)
DECEMBER 2005

*** 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 sampling activities (weather-dependent) upon EPA's approval of GE's Supplemental Sampling Proposal (submitted on November 2, 2005).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 9
LYMAN STREET AREA
(GECD430)
DECEMBER 2005

*** 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

None

ITEM 10
NEWELL STREET AREA I
(GECD440)
DECEMBER 2005

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

a. Activities Undertaken/Completed

- Conducted property restoration/enhancement activities at Parcels J9-23-19, -20, and -21.
- Conducted inspection of installed engineered barriers, other backfilled/restored areas, and re-vegetated areas at Newell Street Area I
- Conducted drum sampling, as identified in Table 10-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

- Submit report on inspection of installed engineered barriers, other backfilled/restored areas, and re-vegetated areas.
- Upon receipt of comments from EPA and MDEP on the draft Notice of Completion for Parcel J9-23-24, revise same; and record ERE and Notice of Completion for this parcel after EPA approval and MDEP acceptance of same.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

The remaining remediation activity at Parcels J9-23-19, -20, and -21 (which involves installation of a concrete slab over a dirt floor in a building) will be deferred until Spring 2006 due to weather.

f. Proposed/Approved Work Plan Modifications

None

TABLE 10-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2005

NEWELL STREET AREA I
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Drum Sampling	D0258-SOLID	12/12/05	NA	Soil	SGS	PCB, VOC, SVOC, TCLP	12/23/05
Drum Sampling	D0560-SOLID	12/13/05	NA	Soil	SGS	PCB, VOC, SVOC, TCLP	12/23/05

TABLE 10-2
DATA RECEIVED DURING DECEMBER 2005

DRUM SAMPLING
NEWELL STREET AREA I
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID: / Date Collected:	D0258-SOLID 12/12/05	D0560-SOLID 12/13/05
Volatile Organics		
Acetone	ND(0.035)	12
Trichloroethene	ND(0.035)	2.5
PCBs		
Aroclor-1254	260	370
Aroclor-1260	ND(74)	180
Total PCBs	260	550
Semivolatile Organics		
1,2,4-Trichlorobenzene	3.0 J	72 J
2,4-Dimethylphenol	ND(3.7)	1200
2-Methylnaphthalene	ND(3.7)	220 J
3&4-Methylphenol	ND(3.7)	2400
Aniline	ND(3.7)	1000
Benzo(a)anthracene	0.68 J	ND(670)
bis(2-Chloroethyl)ether	ND(3.7)	910
Chrysene	0.68 J	ND(670)
Fluoranthene	0.94 J	ND(670)
Naphthalene	ND(3.7)	80 J
Phenanthrene	0.48 J	ND(670)
Phenol	ND(3.7)	8600
Pyrene	1.3 J	ND(670)

Notes:

1. Samples were collected by ONYX Environmental Services and submitted to SGS Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles and TCLP constituents.
2. Please refer to Table 10-3 for a summary of TCLP constituents.
3. Only detected constituents are summarized.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)

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

TABLE 10-3
TCLP DATA RECEIVED DURING DECEMBER 2005

DRUM SAMPLING
NEWELL STREET AREA I
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	D0258-SOLID 12/12/2005	D0560-SOLID 12/13/2005
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(0.50)
2,4,5-Trichloropheno	400	ND(0.050)	ND(0.50)
2,4,6-Trichloropheno	2	ND(0.050)	ND(0.50)
2,4-Dinitrotoluene	0.13	ND(0.050)	ND(0.50)
Cresol	200	ND(0.050)	1.2
Hexachlorobenzene	0.13	ND(0.050)	ND(0.50)
Hexachlorobutadiene	0.5	ND(0.050)	ND(0.50)
Hexachloroethane	3	ND(0.050)	ND(0.50)
Nitrobenzene	2	ND(0.050)	ND(0.50)
Pentachloropheno	100	ND(0.050)	ND(0.50)
Pyridine	5	ND(0.050)	ND(0.50)
Inorganics			
Arsenic	5	ND(0.100)	ND(0.100)
Barium	100	1.40	1.20
Cadmium	1	0.0180 B	0.0790
Chromium	5	0.00320 B	0.0150 B
Lead	5	0.910	7.20
Mercury	0.2	ND(0.00200)	ND(0.00200)
Selenium	1	0.00470 B	0.00830 B
Silver	5	ND(0.0200)	ND(0.0200)

Notes:
1. Samples were collected by ONYX Environmental Services and submitted to SGS Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles and TCLP constituents.
2. Please refer to Table 10-2 for a summary of PCBs, volatiles and semivolatiles.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
4. Shading indicates that value exceeds the TCLP Regulatory Limits.

Data Qualifiers:

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

ITEM 11
NEWELL STREET AREA II
(GECD450)
DECEMBER 2005

a. Activities Undertaken/Completed

- Performed additional TCLP soil sampling, as identified in Table 11-1.
- Performed third round of overpacked drum sampling, as identified in Table 11-1.
- Conducted air monitoring for particulate matter and PCBs, as identified in Table 11-1.*

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted Subsurface Investigation Summary Report to EPA (December 20, 2005).*

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

- Based on sampling results for contents of intact drums previously removed from Parcel J9-23-8, arrange for appropriate off-site disposal of those drums.
- Arrange for appropriate off-site disposal of drummed capacitors removed from Parcel J9-23-8.
- Provide proposal to EPA regarding future excavation work at Parcel J9-23-8 and consider disposition of excavated soil.*
- Following EPA approval of above proposal, conduct additional excavation work at Parcel J9-23-8.*
- Potentially continue with planned soil remediation activities (e.g., soil replacement, installation of engineered barriers), depending on timing of additional excavation work and weather constraints.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Issues relating to future activities at Parcel J9-23-8 are under discussion with EPA.

f. Proposed/Approved Work Plan Modifications

None

TABLE 11-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2005

NEWELL STREET AREA II
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Drum Sampling	D0543-SOLID	12/12/05	NA	Soil	SGS	PCB, VOC, SVOC, TCLP	12/23/05
Drum Sampling	D0566-SOLID	12/12/05	NA	Soil	SGS	PCB, VOC, SVOC, TCLP	12/23/05
Drum Sampling	D0570-SOLID	12/21/05	NA	Soil	SGS	TCLP	
Drum Sampling	D0572-SOLID	12/12/05	NA	Sludge	SGS	PCB, VOC, SVOC, TCLP	12/23/05
Drum Sampling	D0575-SOLID	12/12/05	NA	Soil	SGS	PCB, VOC, SVOC, TCLP	12/23/05
Drum Sampling	D0576-SOLID	12/21/05	NA	Soil	SGS	PCB, VOC, SVOC, TCLP	
Drum Sampling	D0579-SOLID	12/12/05	NA	Soil	SGS	PCB, VOC, SVOC, TCLP	12/23/05
Drum Sampling	D0580-SOLID	12/21/05	NA	Soil	SGS	PCB, VOC, SVOC, TCLP	
Drum Sampling	D0587-LIQUID	12/12/05	NA	Liquid	SGS	PCB, VOC, SVOC, Metals, Flashpoint	12/23/05
Drum Sampling	D0588-SOLID	12/12/05	NA	Soil	SGS	PCB, VOC, SVOC, TCLP	12/23/05
Soil Sampling	NS-TCLP-B12	12/14/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-B5	12/16/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-B7	12/16/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-C11	12/14/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-D15	12/14/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-D3	12/16/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-D5	12/16/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-D7	12/16/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-D9	12/14/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-DUP#1 (NS-TCLP-F15)	12/14/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-DUP#2 (NS-TCLP-C11)	12/14/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-F1	12/16/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-F11	12/14/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-F15	12/14/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-F17	12/14/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-F3	12/16/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-F5	12/16/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-F7	12/14/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-F9	12/14/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-H11	12/14/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-H15	12/14/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-H17	12/14/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-H3	12/16/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-H5	12/16/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-H7	12/14/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Soil Sampling	NS-TCLP-H9	12/14/05	0-3	Soil	SGS	TCLP, Pest, Herb	
Trench Pile Sampling	NSAII-TRENCHPILE-1	11/30/05	NA	Soil	SGS	VOC, SVOC, TCLP	12/6/05
Ambient Air Particulate Matter Sampling	NN1 - Northwest	12/1/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	NN2 - Southwest	12/1/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	NN3 - Southeast	12/1/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	NN4 - Northeast	12/1/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	Background Location	12/1/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/6/2005
Ambient Air Particulate Matter Sampling	NN1 - Northwest	12/5/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	NN2 - Southwest	12/5/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	NN3 - Southeast	12/5/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005

TABLE 11-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2005

NEWELL STREET AREA II
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Ambient Air Particulate Matter Sampling	NN4 - Northeast	12/5/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Background Location	12/5/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	NN1 - Northwest	12/6/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	NN2 - Southwest	12/6/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	NN3 - Southeast	12/6/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	NN4 - Northeast	12/6/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Background Location	12/6/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	NN1 - Northwest	12/7/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	NN2 - Southwest	12/7/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	NN3 - Southeast	12/7/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	NN4 - Northeast	12/7/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Background Location	12/7/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	NN1 - Northwest	12/8/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	NN2 - Southwest	12/8/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	NN3 - Southeast	12/8/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	NN4 - Northeast	12/8/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	Background Location	12/8/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/13/2005
Ambient Air Particulate Matter Sampling	NN1 - Northwest	12/12/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	NN2 - Southwest	12/12/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	NN3 - Southeast	12/12/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	NN4 - Northeast	12/12/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Background Location	12/12/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	NN1 - Northwest	12/13/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	NN2 - Southwest	12/13/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	NN3 - Southeast	12/13/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	NN4 - Northeast	12/13/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Lyman Street Bridge5	12/13/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Background Location	12/13/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	NN1 - Northwest	12/14/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	NN2 - Southwest	12/14/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	NN3 - Southeast	12/14/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	NN4 - Northeast	12/14/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Lyman Street Bridge5	12/14/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Background Location	12/14/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	NN1 - Northwest	12/15/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	NN2 - Southwest	12/15/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	NN3 - Southeast	12/15/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	NN4 - Northeast	12/15/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	Background Location	12/15/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/22/2005
Ambient Air Particulate Matter Sampling	NN1 - Northwest	12/20/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	NN2 - Southwest	12/20/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	NN3 - Southeast	12/20/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	NN4 - Northeast	12/20/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Background Location	12/20/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	NN1 - Northwest	12/21/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	NN2 - Southwest	12/21/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	NN3 - Southeast	12/21/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005

TABLE 11-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2005

NEWELL STREET AREA II
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Ambient Air Particulate Matter Sampling	NN4 - Northeast	12/21/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Background Location	12/21/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	NN1 - Northwest	12/22/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	NN2 - Southwest	12/22/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	NN3 - Southeast	12/22/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	NN4 - Northeast	12/22/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Background Location	12/22/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	NN1 - Northwest	12/23/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	NN2 - Southwest	12/23/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	NN3 - Southeast	12/23/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	NN4 - Northeast	12/23/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
Ambient Air Particulate Matter Sampling	Background Location	12/23/2005	NA	Air	Berkshire Environmental	Particulate Matter	12/30/2005
PCB Ambient Air Sampling	Field Blank	12/08 - 12/09/05	NA	Air	Berkshire Environmental	PCB	12/13/2005
PCB Ambient Air Sampling	Northwest of NS Area II	12/08 - 12/09/05	NA	Air	Berkshire Environmental	PCB	12/13/2005
PCB Ambient Air Sampling	Southwest of NS Area II	12/08 - 12/09/05	NA	Air	Berkshire Environmental	PCB	12/13/2005
PCB Ambient Air Sampling	Southeast of NS Area II	12/08 - 12/09/05	NA	Air	Berkshire Environmental	PCB	12/13/2005
PCB Ambient Air Sampling	Northeast of NS Area II	12/08 - 12/09/05	NA	Air	Berkshire Environmental	PCB	12/13/2005
PCB Ambient Air Sampling	Northeast of NS Area II - colocated	12/08 - 12/09/05	NA	Air	Berkshire Environmental	PCB	12/13/2005
PCB Ambient Air Sampling	BK3 - Background - East of Building 9B	12/08 - 12/09/05	NA	Air	Berkshire Environmental	PCB	12/13/2005
PCB Ambient Air Sampling	Field Blank	12/20 - 12/21/05	NA	Air	Berkshire Environmental	PCB	12/30/2005
PCB Ambient Air Sampling	Northwest of NS Area II	12/20 - 12/21/05	NA	Air	Berkshire Environmental	PCB	12/30/2005
PCB Ambient Air Sampling	Southwest of NS Area II	12/20 - 12/21/05	NA	Air	Berkshire Environmental	PCB	12/30/2005
PCB Ambient Air Sampling	Southeast of NS Area II	12/20 - 12/21/05	NA	Air	Berkshire Environmental	PCB	12/30/2005
PCB Ambient Air Sampling	Northeast of NS Area II	12/20 - 12/21/05	NA	Air	Berkshire Environmental	PCB	12/30/2005
PCB Ambient Air Sampling	Northeast of NS Area II - colocated	12/20 - 12/21/05	NA	Air	Berkshire Environmental	PCB	12/30/2005
PCB Ambient Air Sampling	BK3 - Background - East of Building 9B	12/20 - 12/21/05	NA	Air	Berkshire Environmental	PCB	12/30/2005

TABLE 11-2
DATA RECEIVED DURING DECEMBER 2005

TRENCH PILE SAMPLING
NEWELL STREET AREA II
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID: / Date Collected:	NSAII-TRENCHPILE-1 11/30/05
Volatile Organics	
Chlorobenzene	1.3
Trichloroethene	4.2
Semivolatile Organics	
1,2,4-Trichlorobenzene	39 J
1,4-Dichlorobenzene	10 J

Notes:
1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of volatiles, semivolatiles, and TCLP constituents.
2. Please refer to Table 11-3 for a summary of TCLP constituents.
3. Only detected constituents are summarized.

Data Qualifiers:

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

TABLE 11-3
TCLP DATA RECEIVED DURING DECEMBER 2005

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

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	NSAII-TRENCHPILE-1 11/30/2005
Volatile Organics		
1,1-Dichloroethene	0.7	ND(0.10)
1,2-Dichloroethane	0.5	ND(0.10)
2-Butanone	200	ND(0.20)
Benzene	0.5	ND(0.10)
Carbon Tetrachloride	0.5	ND(0.10)
Chlorobenzene	100	ND(0.10)
Chloroform	6	ND(0.10)
Tetrachloroethene	0.7	ND(0.10)
Trichloroethene	0.5	0.11
Semivolatile Organics		
1,4-Dichlorobenzene	7.5	0.015 J
2,4,5-Trichlorophenol	400	ND(0.050)
2,4,6-Trichlorophenol	2	ND(0.050)
2,4-Dinitrotoluene	0.13	ND(0.050)
Cresol	200	ND(0.050)
Hexachlorobenzene	0.13	ND(0.050)
Hexachlorobutadiene	0.5	ND(0.050)
Hexachloroethane	3	ND(0.050)
Nitrobenzene	2	ND(0.050)
Pentachlorophenol	100	ND(0.050)
Pyridine	5	ND(0.050)
Organochlorine Pesticides		
Endrin	0.02	ND(0.0015)
Gamma-BHC (Lindane)	0.4	ND(0.0025)
Heptachlor	0.008	ND(0.0020)
Heptachlor Epoxide	0.008	ND(0.0020)
Methoxychlor	10	ND(0.040)
Technical Chlordane	0.03	ND(0.012)
Toxaphene	0.5	ND(0.050)
Herbicides		
2,4,5-TP	1	ND(0.010)
2,4-D	10	ND(0.010)
Inorganics		
Arsenic	5	ND(0.100)
Barium	100	3.50
Cadmium	1	0.0870
Chromium	5	0.00360 B
Lead	5	11.0
Mercury	0.2	ND(0.00200)
Selenium	1	ND(0.200)
Silver	5	ND(0.0200)
Vinyl Chloride	0.2	ND(0.10)

Notes:

1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of volatiles, semivolatiles, and TCLP constituents.
2. Please refer to Table 11-2 for a summary of volatiles and semivolatiles.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
4. Shading indicates that value exceeds the TCLP Regulatory Limits.

Data Qualifiers:

Organics (volatiles, semivolatiles, pesticides, herbicides)

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 11-4
DATA RECEIVED DURING DECEMBER 2005

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

Parameter / Sample ID: / Date Collected:	D0543-SOLID 12/12/05	D0566-SOLID 12/12/05	D0572-SOLID 12/12/05	D0575-SOLID 12/12/05	D0579-SOLID 12/12/05	D0587-LIQUID 12/12/05	D0588-SOLID 12/12/05
Volatile Organics							
1,1,2-Trichloroethane	ND(0.031)	ND(46)	ND(4.1)	ND(0.075)	ND(0.048)	ND(0.10)	150
Ethylbenzene	ND(0.031)	1800	6.4	ND(0.075)	ND(0.048)	0.11	ND(38)
Toluene	ND(0.031)	850	ND(4.1)	ND(0.075)	0.082	0.11	ND(38)
Trichloroethene	0.039	200	150	0.67	6.3	0.41	4600
Xylenes (total)	1.3	22000	35	ND(0.22)	ND(0.14)	0.66	350
PCBs							
Aroclor-1254	1.2	450	140	100	500	0.20	240000
Total PCBs	1.2	450	140	100	500	0.20	240000
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	ND(6.7)	ND(78)	ND(1100)	0.053 J	ND(13)	ND(0.040)	99 J
1,2,4-Trichlorobenzene	1.7 J	73 J	ND(1100)	1.6	5.3 J	0.056	4700
2,4,6-Trichlorophenol	ND(6.7)	ND(78)	ND(1100)	ND(0.40)	ND(13)	0.016 J	ND(310)
2-Methylnaphthalene	0.81 J	38 J	ND(1100)	0.062 J	3.8 J	ND(0.040)	ND(310)
2-Methylphenol	ND(6.7)	ND(78)	390 J	ND(0.40)	ND(13)	ND(0.040)	ND(310)
4-Nitrophenol	ND(33)	ND(390)	ND(5600)	0.50 J	ND(67)	ND(0.20)	ND(1600)
Acenaphthene	ND(6.7)	ND(78)	ND(1100)	0.16 J	ND(13)	ND(0.040)	ND(310)
Aniline	ND(6.7)	ND(78)	21000	0.31 J	ND(13)	0.016 J	ND(310)
Anthracene	ND(6.7)	ND(78)	ND(1100)	0.40	2.4 J	ND(0.040)	ND(310)
Benzo(a)anthracene	ND(6.7)	ND(78)	ND(1100)	1.0	7.2 J	ND(0.040)	ND(310)
Benzo(a)pyrene	ND(6.7)	ND(78)	ND(1100)	0.64	6.8 J	ND(0.040)	ND(310)
Benzo(b)fluoranthene	ND(6.7)	ND(78)	ND(1100)	0.58	4.8 J	ND(0.040)	ND(310)
Benzo(g,h,i)perylene	ND(6.7)	ND(78)	ND(1100)	0.30 J	6.4 J	ND(0.040)	ND(310)
Benzo(k)fluoranthene	ND(6.7)	ND(78)	ND(1100)	0.61	4.6 J	ND(0.040)	ND(310)
bis(2-Chloroethyl)ether	ND(6.7)	ND(78)	12000	0.30 J	ND(13)	0.017 J	ND(310)
bis(2-Ethylhexyl)phthalate	ND(3.3)	ND(39)	ND(560)	0.40	ND(6.7)	ND(0.020)	310
Chrysene	ND(6.7)	ND(78)	ND(1100)	1.1	12 J	ND(0.040)	ND(310)
Dibenzo(a,h)anthracene	ND(6.7)	ND(78)	ND(1100)	0.070 J	ND(13)	ND(0.040)	ND(310)
Dibenzofuran	ND(6.7)	ND(78)	ND(1100)	0.18 J	ND(13)	ND(0.040)	ND(310)
Di-n-Butylphthalate	ND(6.7)	ND(78)	2300	ND(0.40)	ND(13)	ND(0.040)	ND(310)
Fluoranthene	ND(6.7)	ND(78)	ND(1100)	2.1	5.6 J	ND(0.040)	ND(310)
Fluorene	ND(6.7)	ND(78)	ND(1100)	0.22 J	ND(13)	ND(0.040)	ND(310)
Indeno(1,2,3-cd)pyrene	ND(6.7)	ND(78)	ND(1100)	0.25 J	3.2 J	ND(0.040)	ND(310)
Naphthalene	ND(6.7)	640	240 J	0.090 J	ND(13)	ND(0.040)	ND(310)
Phenanthrene	ND(6.7)	ND(78)	ND(1100)	2.2	9.0 J	ND(0.040)	ND(310)
Phenol	ND(6.7)	ND(78)	10000	0.21 J	ND(13)	ND(0.040)	ND(310)
Pyrene	ND(6.7)	ND(78)	120 J	2.2	39	ND(0.040)	ND(310)

TABLE 11-4
DATA RECEIVED DURING DECEMBER 2005

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

Parameter / Sample ID: / Date Collected:	D0543-SOLID 12/12/05	D0566-SOLID 12/12/05	D0572-SOLID 12/12/05	D0575-SOLID 12/12/05	D0579-SOLID 12/12/05	D0587-LIQUID 12/12/05	D0588-SOLID 12/12/05
Inorganics							
Arsenic	NA	NA	NA	NA	NA	0.0610	NA
Barium	NA	NA	NA	NA	NA	1.80	NA
Cadmium	NA	NA	NA	NA	NA	0.0540	NA
Chromium	NA	NA	NA	NA	NA	0.260	NA
Lead	NA	NA	NA	NA	NA	29.0	NA
Mercury	NA	NA	NA	NA	NA	0.00230	NA
Selenium	NA	NA	NA	NA	NA	0.0220	NA
Silver	NA	NA	NA	NA	NA	0.150	NA
Conventionals							
Flash Point (^{o}F)	NA	NA	NA	NA	NA	>180	NA

Notes:
1. Samples were collected by ONYX Environmental Services, and submitted to SGS Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles, metals, flashpoint, and TCLP constituents.
2. Please refer to Table 11-5 for a summary of TCLP constituents.
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
5. Only those constituents detected in one or more samples are summarized.
6. Solid matrix samples are presented in dry weight.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)

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

TABLE 11-5
TCLP DATA RECEIVED DURING DECEMBER 2005

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

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	D0543-SOLID 12/12/2005	D0566-SOLID 12/12/2005	D0572-SOLID 12/12/2005	D0575-SOLID 12/12/2005	D0579-SOLID 12/12/2005	D0588-SOLID 12/12/2005
Volatile Organics							
1,1-Dichloroethene	0.7	ND(0.10)	ND(1.0)	ND(0.10)	ND(0.10)	ND(0.10)	ND(1.0)
1,2-Dichloroethane	0.5	ND(0.10)	ND(1.0)	ND(0.10)	ND(0.10)	ND(0.10)	ND(1.0)
2-Butanone	200	ND(0.20)	ND(1.0)	ND(0.20)	ND(0.20)	ND(0.20)	ND(1.0)
Benzene	0.5	ND(0.10)	ND(1.0)	ND(0.10)	ND(0.10)	ND(0.10)	ND(1.0)
Carbon Tetrachloride	0.5	ND(0.10)	ND(1.0)	ND(0.10)	ND(0.10)	ND(0.10)	ND(1.0)
Chlorobenzene	100	ND(0.10)	ND(1.0)	ND(0.10)	ND(0.10)	ND(0.10)	ND(1.0)
Chloroform	6	ND(0.10)	ND(1.0)	ND(0.10)	ND(0.10)	ND(0.10)	ND(1.0)
Tetrachloroethene	0.7	ND(0.10)	ND(1.0)	ND(0.10)	ND(0.10)	ND(0.10)	ND(1.0)
Trichloroethene	0.5	0.43	ND(1.0)	2.1	ND(0.10)	0.16	45
Vinyl Chloride	0.2	ND(0.10)	ND(1.0)	ND(0.10)	ND(0.10)	ND(0.10)	ND(1.0)
Semivolatile Organics							
1,4-Dichlorobenzene	7.5	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2,4,5-Trichlorophenol	400	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	2	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene	0.13	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Cresol	200	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobenzene	0.13	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobutadiene	0.5	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Hexachloroethane	3	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Nitrobenzene	2	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Pentachlorophenol	100	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Pyridine	5	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Inorganics							
Arsenic	5	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)
Barium	100	0.160	1.90	0.0480	0.550	0.730	3.20
Cadmium	1	ND(0.0200)	0.00320 B	0.00200 B	0.00700 B	0.0140 B	0.00880 B
Chromium	5	ND(0.0500)	0.00130 B	ND(0.0500)	0.00190 B	0.00220 B	0.290
Lead	5	0.0190 B	0.490	0.260	2.30	1.70	0.410
Mercury	0.2	ND(0.00200)	ND(0.00200)	ND(0.00200)	ND(0.00200)	ND(0.00200)	ND(0.00200)
Selenium	1	0.00630 B	0.00460 B	ND(0.200)	0.00850 B	0.00420 B	0.00520 B
Silver	5	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)

Notes:

1. Samples were collected by ONYX Environmental Services, and submitted to SGS Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles, metals, flashpoint, and TCLP constituents.
2. Please refer to Table 11-4 for a summary of PCBs, volatiles, semivolatiles, metals, and flashpoint.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
4. Shading indicates that value exceeds the TCLP Regulatory Limits.

Data Qualifiers:

Inorganics

(IDL) and practical quantitation limit (PQL

B - Indicates an estimated value between the instrument detection limit

TABLE 11-6
AMBIENT AIR PCB DATA RECEIVED DURING DECEMBER 2005

PCB AMBIENT AIR CONCENTRATIONS
NEWELL STREET AREA II
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Sampling Event Period	Date Analytical Results Received by BEC, Inc.	Field Blank (µg/m3)	Northwest of NS Area II (µg/m3)	Southwest of NS Area II (µg/m3)	Southeast of NS Area II (µg/m3)	Northeast of NS Area II (µg/m3)	Northeast of NS Area II - colocated (µg/m3)	BK3 - Background - East of Building 9B) (µg/m3)
12/08 - 12/09/05	12/13/05	ND	0.0004	ND	0.0089	0.0016	0.0017	ND
12/13 - 12/14/05	12/17/05	ND	0.0100	0.0445	0.0039	0.0030	0.0243	ND
12/20 - 12/21/05	12/27/05	ND	0.0005	0.0004	0.0083	0.0023	0.0018	ND
Notification Level			0.05	0.05	0.05	0.05	0.05	0.05

Note:
ND - Non-Detect (<0.0003)

TABLE 11-7
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING DECEMBER 2005[1]

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

Sampling Date[2]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
12/01/05	NN1 - Northwest	0.021	0.006*	10:30	WNW, N
	NN2 - Southwest	0.030		10:45	
	NN3 - Southeast	0.012*		11:00	
	NN4 - Northeast	0.002		7:30[3]	
12/05/05	NN1 - Northwest	0.032	0.011*	10:30	Variable
	NN2 - Southwest	0.032		10:30	
	NN3 - Southeast	0.018*		10:30	
	NN4 - Northeast	0.008		10:30	
12/06/05	NN1 - Northwest	0.034	0.014*	11:00	WNW
	NN2 - Southwest	0.033		10:45	
	NN3 - Southeast	0.020*		10:45	
	NN4 - Northeast	0.006		10:30	
12/07/05	NN1 - Northwest	0.037	0.016*	8:45[4]	WNW
	NN2 - Southwest	0.034		8:30[4]	
	NN3 - Southeast	0.028*		8:30[4]	
	NN4 - Northeast	0.089		8:30[4]	
12/08/05	NN1 - Northwest	0.046	0.012*	11:30	WNW
	NN2 - Southwest	0.039		11:15	
	NN3 - Southeast	0.021*		11:00	
	NN4 - Northeast	0.033		11:00	
12/12/05	NN1 - Northwest	0.007	0.008*	6:45[4]	WNW
	NN2 - Southwest	0.002		6:30[4]	
	NN3 - Southeast	0.011*		6:30[4]	
	NN4 - Northeast	0.001		6:30[4]	
12/13/05	NN1 - Northwest	0.019	0.013*	11:30	WNW
	NN2 - Southwest	0.018		11:15	
	NN3 - Southeast	0.016*		11:00	
	NN4 - Northeast	0.005		11:00	
	Lyman Street Bridge[5]	0.039		4:45[6]	
12/14/05	NN1 - Northwest	0.048	0.031*	9:30	WNW, W, WSW
	NN2 - Southwest	0.014		9:45	
	NN3 - Southeast	0.034*		9:45	
	NN4 - Northeast	0.022		9:45	
	Lyman Street Bridge[5]	0.065		7:30[6]	
12/15/05	NN1 - Northwest	0.098	0.054*	11:00	Calm
	NN2 - Southwest	0.024		10:45	
	NN3 - Southeast	0.084*		10:45	
	NN4 - Northeast	0.053		10:45	
12/20/05	NN1 - Northwest	0.024	0.019*	12:00	W
	NN2 - Southwest	0.006		11:45	
	NN3 - Southeast	0.021*		11:30	
	NN4 - Northeast	0.010		11:30	
12/21/05	NN1 - Northwest	0.014	0.013*	10:45	WNW
	NN2 - Southwest	0.005		10:45	
	NN3 - Southeast	0.013*		10:30	
	NN4 - Northeast	0.001		10:30	

TABLE 11-7
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING DECEMBER 2005[1]

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

Sampling Date[2]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
12/22/05	NN1 - Northwest	0.020	0.016*	10:30	SSW
	NN2 - Southwest	0.008		10:30	
	NN3 - Southeast	0.021*		10:15	
	NN4 - Northeast	0.023		10:15	
12/23/05	NN1 - Northwest	0.087	0.047*	10:30	Calm
	NN2 - Southwest	0.022		10:30	
	NN3 - Southeast	0.052*		10:15	
	NN4 - Northeast	0.055		10:30	
Notification Level		0.120			

Notes:

* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring station is located east of Building 9B, between Building 9B and New York Avenue.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

[1] Monitoring was performed only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

[2] The particulate monitors obtain real-time data. The sampling data were obtained by BEC on the sampling date.

[3] Sampling period was shortened due to instrument malfunction.

[4] Sampling period was shortened due to precipitation/threat of precipitation.

[5] Sampling period was conducted at this location for two days at the request of the site contractor and with GE approval.

[6] Sampling period was shortened due to limited time of operation at this location.

ITEM 12
FORMER OXBOW AREAS J & K
(GECD420)
DECEMBER 2005

*** 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 sampling activities (weather-dependent) upon EPA's approval of GE's Supplemental Sampling Proposal (submitted on November 2, 2005).

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)
DECEMBER 2005

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

a. Activities Undertaken/Completed

On December 20, 2005, BBL (on GE's behalf) performed a round of water column monitoring at nine locations along the Housatonic River (discussed further in Items 14 and 15 below). This sampling was performed during low flow. As such, the sampling at two of these locations also served as the required annual low-flow sampling event for the Upper ½-Mile Reach of the river. These two locations are: (1) Lyman Street Bridge (Location 4), situated just downstream of the ½ Mile Reach (also discussed in Item 14); and (2) Newell Street Bridge (Location 2), situated just upstream of the ½ Mile Reach (also discussed in Item 15). Composite grab samples were collected for analysis of PCBs (total – filtered and unfiltered), TSS, POC, and chlorophyll-a, as identified in Table 13-1. (Note that these samples are also identified in Table 14-1 for Location 4 and in Table 15-1 for Location 2).

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Submit 2005 Annual Monitoring Report.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

- Seepage meter monitoring has not occurred due to increased water levels. EPA and GE have agreed to postpone installation of seepage meters until after the completion of EPA activities in the 1½ Mile Reach.

- Issues relating to total organic carbon (TOC) content in isolation layer remain unresolved. 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 DECEMBER 2005

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Monthly Water Column Sampling/Upper 1/2 Mile Reach Low Flow Sampling	Location-2	12/20/05	Water	NEA	PCB, PCB (f), TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling/Upper 1/2 Mile Reach Low Flow Sampling	Location-4	12/20/05	Water	NEA	PCB, PCB (f), TSS, POC, Chlorophyll-A	

Note:
1. (f) - Indicates filtered analysis requested.

ITEM 14
HOUSATONIC RIVER AREA
1½ MILE REACH
(GECD820)
DECEMBER 2005

(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 December 20, 2005, 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, as identified in 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 DECEMBER 2005

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Monthly Water Column Sampling	Location-4	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/7/05
Monthly Water Column Sampling	Location-6A	12/20/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling/Upper 1/2 Mile Reach Low Flow Sampling	Location-4	12/20/05	Water	NEA	PCB, PCB (f) TSS, POC, Chlorophyll-A	

Note:
1. (f) - Indicates filtered analysis requested.

TABLE 14-2
SAMPLE DATA RECEIVED DURING DECEMBER 2005

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	11/22/2005	ND(0.0000220)	0.0000330 PE	0.000170 AF	0.0000650 AG	0.000268	1.19	7.90	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 parenthesis is the associated detection limit.

Data Qualifiers:

AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
PE - Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration.

ITEM 15
HOUSATONIC RIVER AREA
REST OF THE RIVER
(GECD850)
DECEMBER 2005

a. Activities Undertaken/Completed

- On December 20, 2005, 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 December 20, 2005 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, as identified in Table 15-1.

- Observed structural integrity inspection of Rising Pond Dam, conducted by consultants to dam owner (December 1, 2005).*

- Continued work on repairs to gate stem at Rising Pond Dam.*

- Received and commenced review of EPA's letter disapproving and providing comments on GE's IMPG Proposal under the Reissued RCRA Permit (December 9, 2005).*

- Requested and received from EPA an extension of time for deadlines relating to EPA's letter on IMPG Proposal (see Item 15.e below).*

b. Sampling/Test Results

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.

- Submit report on structural integrity inspection of Woods Pond Dam.*

ITEM 15
(cont'd)
HOUSATONIC RIVER AREA
REST OF THE RIVER
(GECD850)
DECEMBER 2005

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

- Continue work on repairs to gate stem at Rising Pond Dam.*

- Continue review of EPA's comments on GE's IMPG Proposal.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

- At GE's request, EPA agreed, in a letter dated December 21, 2005, to the following revised due dates for GE actions stemming from EPA's December 9, 2005 disapproval/comment letter on GE's IMPG Proposal (so as to allow time for staff discussions on the issues): (a) extension of the deadline for invoking dispute resolution under the Reissued RCRA Permit until January 23, 2006; and (b) extension of the deadline for submission of a revised IMPG Proposal until March 10, 2006 if GE does not invoke dispute resolution, or if GE does invoke dispute resolution, until the due date specified in the resolution of the dispute.*

- Issues relating to EPA's comments on IMPG Proposal are under discussion with EPA.*

f. Proposed/Approved Work Plan Modifications

None

TABLE 15-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2005

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Monthly Water Column Sampling	HR-D1 (Location-12)	12/20/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	HR-D1 (Location-12)	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/7/05
Monthly Water Column Sampling	Location-1	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/7/05
Monthly Water Column Sampling	Location-1	12/20/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-10	12/20/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-10	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/7/05
Monthly Water Column Sampling	Location-12	12/20/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-12	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/7/05
Monthly Water Column Sampling	Location-13	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/7/05
Monthly Water Column Sampling	Location-13	12/20/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-2	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/7/05
Monthly Water Column Sampling	Location-7	12/20/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-7	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/7/05
Monthly Water Column Sampling	Location-9	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/7/05
Monthly Water Column Sampling	Location-9	12/20/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling/Upper 1/2 Mile Reach Low Flow Sampling	Location-2	12/20/05	Water	NEA	PCB, PCB (f) TSS, POC, Chlorophyll-A	

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

TABLE 15-2
SAMPLE DATA RECEIVED DURING DECEMBER 2005

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 Avenue Bridge	11/22/2005	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	1.14	5.10	0.00070
LOCATION-2	Newell Street Bridge	11/22/2005	ND(0.0000220)	0.0000400 PE	0.000170 AF	0.0000300 AG	0.000240	1.32	10.6	0.00080
LOCATION-7	Holmes Road Bridge	11/22/2005	ND(0.0000220)	ND(0.0000220)	0.0000440 AF	0.0000380 AG	0.0000820	1.08	7.30	0.0016
LOCATION-9	New Lenox Road Bridge	11/22/2005	ND(0.0000220)	0.0000240 PE	0.0000280 AF	0.0000450 AG	0.0000970	0.710	5.60	0.0013
LOCATION-10	Headwaters of Woods Pond	11/22/2005	ND(0.0000880)	0.000120 PE	ND(0.0000880)	0.000920 AG	0.00104	1.02	7.40	0.0016
LOCATION-12	Schweitzer Bridge	11/22/2005 11/22/2005	ND(0.0000220) [ND(0.0000220)]	ND(0.0000220) [0.0000230 PE]	0.0000230 AF [0.0000300 AF]	0.0000230 AG [0.0000280 AG]	0.0000460 [0.0000810]	0.428 [0.429]	3.10 [2.00]	0.0012 [0.0011]
LOCATION-13	Division Street Bridge	11/22/2005	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.434	2.60	0.0012

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 parenthesis is the associated detection limit.
4. Field duplicate sample results are presented in brackets.

Data Qualifiers:

AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
PE - Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration.

ITEMS 16 & 17
HOUSATONIC RIVER FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1½-MILE REACH (GECD710 AND GECD720)
DECEMBER 2005

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

a. Activities Undertaken/Completed

- Continued restoration activities at certain Phase 3 floodplain properties.
- Conducted inspection of the backfilled/restored areas at Phase 3 properties.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Submit an inspection report for the backfilled/restored areas at Phase 3 properties.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

- GE will discuss with EPA a schedule for submittal of a Final Completion Report for Phase 1 and Phase 2 properties and ERE for City property in Phase 2.
- GE's RD/RA Work Plan for the Phase 4 floodplain properties is under discussion with EPA.

f. Proposed/Approved Work Plan Modifications

None

ITEM 18
HOUSATONIC RIVER FLOODPLAIN
CURRENT RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE
(ACTUAL/POTENTIAL LAWNS)
(GECD730)
DECEMBER 2005

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 19
ALLENDALE SCHOOL PROPERTY
(GECD500)
DECEMBER 2005

a. Activities Undertaken/Completed

Received results of EPA's outdoor soil and ambient air sampling at Allendale School property; data collected by the Massachusetts Department of Public Health (MDPH) on indoor air, solid surfaces, and dust from air filters within the school; and soil sampling data collected by MDEP on soil in a crawl space beneath the school.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Discuss MDEP soil sampling data from crawl space beneath school.
- Receive results from outdoor air monitoring conducted by EPA (dependent on OPCA activities), as well as results from any additional indoor sampling conducted by MDPH.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

See Item 19.d.

f. Proposed/Approved Work Plan Modifications

None

ITEM 20
OTHER AREAS
SILVER LAKE AREA
(GECD600)
DECEMBER 2005

*** 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).

- Received from EPA soil samples from Parcel I9-9-19 (identified in Table 20-1 as samples associated with "additional PDI soil sampling"), which were collected by EPA on December 16, 2005, since the property owner had denied GE access for sampling; and submitted those samples to the laboratory for lead analysis.

- Collected monthly overburden water samples in accordance with the Bench-Scale Study Work Plan, as identified in Table 20-1.

- Processed remaining sediment cores and samples related to Bench-Scale Study for analysis as prescribed in the Bench-Scale Work Plan (and as identified in Table 20-1), and terminated Stage 3 of the Bench-Scale Study.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

- Submitted Third Interim Pre-Design Investigation Report for Soils Adjacent to Silver Lake (December 20, 2005).

- Submitted letter to EPA requesting extension of time for submission of the Bench-Scale Study Report from December 26, 2005 to March 1, 2006 (December 21, 2005).

d. Upcoming Scheduled Activities (next six weeks)

- Continue water level monitoring at well pairs surrounding the lake.

- Provide to EPA validated results for lead from samples collected in December 2005 from Parcel I9-9-19, along with evaluation of need for additional data to characterize lead in bank soils at that property.

ITEM 20
(cont'd)
OTHER AREAS
SILVER LAKE AREA
(GECD600)
DECEMBER 2005

e. General Progress/Unresolved Issues/Potential Schedule Impacts

EPA has approved GE's request for an extension of time for submission of the Bench-Scale Study Report from December 26, 2005 to March 1, 2006.

f. Proposed/Approved Work Plan Modifications

None

TABLE 20-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2005

SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Additional PDI Soil Sampling	I9-9-19-SB-2E	12/16/05	0-1	Soil	SGS	Lead	12/23/05
Additional PDI Soil Sampling	I9-9-19-SB-2E	12/16/05	1-3	Soil	SGS	Lead	12/23/05
Additional PDI Soil Sampling	I9-9-19-SB-2S	12/16/05	0-1	Soil	SGS	Lead	12/23/05
Additional PDI Soil Sampling	I9-9-19-SB-2S	12/16/05	1-3	Soil	SGS	Lead	12/23/05
Additional PDI Soil Sampling	I9-9-19-SB-2W	12/16/05	0-1	Soil	SGS	Lead	12/23/05
Additional PDI Soil Sampling	I9-9-19-SB-2W	12/16/05	1-3	Soil	SGS	Lead	12/23/05
Silver Lake Bench Scale Study	SL-BS-D10-W7	12/13/05	NA	Water	NEA	PCB	
Silver Lake Bench Scale Study	SL-BS-D11-W7	12/13/05	NA	Water	NEA	PCB	
Silver Lake Bench Scale Study	SL-BS-D12-W7	12/13/05	NA	Water	NEA	PCB	
Silver Lake Bench Scale Study	SL-BS-D14-W7	12/13/05	NA	Water	NEA	PCB	
Silver Lake Bench Scale Study	SL-BS-SE-D10-CAP	12/14/05	0-2	Sediment	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D10-CAP	12/14/05	2-4	Sediment	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D10-CAP	12/14/05	4-6	Sediment	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D10-CAP	12/14/05	6-11	Sediment	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D10-CAP	12/14/05	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Bench Scale Study	SL-BS-SE-D10-CAP	12/14/05	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Bench Scale Study	SL-BS-SE-D10-CAP	12/14/05	4-6	Sediment	NEA	PCB, TOC	
Silver Lake Bench Scale Study	SL-BS-SE-D10-CAP	12/14/05	6-11	Sediment	NEA	PCB, TOC	
Silver Lake Bench Scale Study	SL-BS-SE-D10-F	12/14/05	NA	Solid	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D10-F	12/14/05	NA	Solid	NEA	PCB	
Silver Lake Bench Scale Study	SL-BS-SE-D10-SED	12/14/05	0-6	Sediment	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D10-SED	12/14/05	0-6	Sediment	NEA	PCB	
Silver Lake Bench Scale Study	SL-BS-SE-D11-CAP	12/13/05	0-2	Sediment	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D11-CAP	12/13/05	2-4	Sediment	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D11-CAP	12/13/05	4-6	Sediment	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D11-CAP	12/13/05	6-11	Sediment	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D11-CAP	12/13/05	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Bench Scale Study	SL-BS-SE-D11-CAP	12/13/05	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Bench Scale Study	SL-BS-SE-D11-CAP	12/13/05	4-6	Sediment	NEA	PCB, TOC	
Silver Lake Bench Scale Study	SL-BS-SE-D11-CAP	12/13/05	6-11	Sediment	NEA	PCB, TOC	
Silver Lake Bench Scale Study	SL-BS-SE-D11-F	12/13/05	NA	Solid	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D11-F	12/13/05	NA	Solid	NEA	PCB	
Silver Lake Bench Scale Study	SL-BS-SE-D11-SED	12/13/05	0-6	Sediment	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D11-SED	12/13/05	0-6	Sediment	NEA	PCB	

TABLE 20-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2005

SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Silver Lake Bench Scale Study	SL-BS-SE-D12-CAP	12/14/05	0-2	Sediment	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D12-CAP	12/14/05	2-4	Sediment	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D12-CAP	12/14/05	4-6	Sediment	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D12-CAP	12/14/05	6-11	Sediment	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D12-CAP	12/14/05	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Bench Scale Study	SL-BS-SE-D12-CAP	12/14/05	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Bench Scale Study	SL-BS-SE-D12-CAP	12/14/05	4-6	Sediment	NEA	PCB, TOC	
Silver Lake Bench Scale Study	SL-BS-SE-D12-CAP	12/14/05	6-11	Sediment	NEA	PCB, TOC	
Silver Lake Bench Scale Study	SL-BS-SE-D12-F	12/14/05	NA	Solid	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D12-F	12/14/05	NA	Solid	NEA	PCB	
Silver Lake Bench Scale Study	SL-BS-SE-D12-SED	12/14/05	0-6	Sediment	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D12-SED	12/14/05	0-6	Sediment	NEA	PCB	
Silver Lake Bench Scale Study	SL-BS-SE-D14-F	12/13/05	NA	Solid	Alpha Woods Hole	VPH, EPH	
Silver Lake Bench Scale Study	SL-BS-SE-D14-F	12/13/05	NA	Solid	NEA	PCB	
Silver Lake Bench Scale Study	SL-BS-SE-D16-CAP	11/22/05	0-2	Sediment	Alpha Woods Hole	VPH, EPH	12/19/05
Silver Lake Bench Scale Study	SL-BS-SE-D16-CAP	11/22/05	2-4	Sediment	Alpha Woods Hole	VPH, EPH	12/19/05
Silver Lake Bench Scale Study	SL-BS-SE-D16-CAP	11/22/05	4-6	Sediment	Alpha Woods Hole	VPH, EPH	12/19/05
Silver Lake Bench Scale Study	SL-BS-SE-D16-CAP	11/22/05	6-11	Sediment	Alpha Woods Hole	VPH, EPH	12/19/05
Silver Lake Bench Scale Study	SL-BS-SE-D16-CAP	11/22/05	0-2	Sediment	NEA	PCB, TOC	12/5/05
Silver Lake Bench Scale Study	SL-BS-SE-D16-CAP	11/22/05	2-4	Sediment	NEA	PCB, TOC	12/5/05
Silver Lake Bench Scale Study	SL-BS-SE-D16-CAP	11/22/05	4-6	Sediment	NEA	PCB, TOC	12/5/05
Silver Lake Bench Scale Study	SL-BS-SE-D16-CAP	11/22/05	6-11	Sediment	NEA	PCB, TOC	12/5/05
Silver Lake Bench Scale Study	SL-BS-SE-D16-Filter	11/22/05	NA	Sediment	Alpha Woods Hole	VPH, EPH	12/19/05
Silver Lake Bench Scale Study	SL-BS-SE-D16-Filter	11/22/05	NA	Sediment	NEA	PCB	12/5/05
Silver Lake Bench Scale Study	SL-BS-SE-D16-SED	11/22/05	0-6	Sediment	Alpha Woods Hole	VPH, EPH	12/19/05
Silver Lake Bench Scale Study	SL-BS-SE-D16-SED	11/22/05	0-6	Sediment	NEA	PCB	12/5/05

TABLE 20-2
DATA RECEIVED DURING DECEMBER 2005

SILVER LAKE BENCH SCALE STUDY
SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth (Inches): / Parameter / Date Collected:	SL-BS-SE-D16-CAP 0-2 11/22/05	SL-BS-SE-D16-CAP 2-4 11/22/05	SL-BS-SE-D16-CAP 4-6 11/22/05	SL-BS-SE-D16-CAP 6-11 11/22/05	SL-BS-SE-D16-FILTER 0-0 11/22/05	SL-BS-SE-D16-SED 0-6 11/22/05
PCBs						
Aroclor-1248	ND(0.061)	ND(0.057)	ND(0.061)	ND(0.061)	ND(0.061)	110 PE
Aroclor-1254	ND(0.061)	ND(0.057)	ND(0.061)	ND(0.061)	ND(0.061)	85 AF
Aroclor-1260	ND(0.061)	ND(0.057)	ND(0.061)	ND(0.061)	ND(0.061)	97 AG
Total PCBs	ND(0.061)	ND(0.057)	ND(0.061)	ND(0.061)	ND(0.061)	292
Extractable Petroleum Hydrocarbons						
C11-C22 Aromatic Hydrocarbons	88	22	13	ND(10)	ND(8.0)	5200
C19-C36 Aliphatic Hydrocarbons	220	81	25	9.6	ND(3.8)	11000
C9-C18 Aliphatic Hydrocarbons	ND(3.7)	ND(3.5)	ND(3.6)	ND(3.6)	ND(2.8)	2800
Unadjusted C11-C22 Aromatic Hydrocarbons	88	22	13	ND(10)	ND(8.0)	5400
Benzene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.26)	ND(1.1)
Ethylbenzene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.26)	ND(1.1)
m&p-Xylene	ND(0.75)	ND(0.73)	ND(0.73)	ND(0.75)	ND(0.52)	ND(2.2)
Methyl tert-butyl ether	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.26)	ND(1.1)
Naphthalene	ND(0.75)	ND(0.73)	ND(0.73)	ND(0.75)	ND(0.52)	ND(2.2)
o-Xylene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.26)	ND(1.1)
Toluene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.26)	ND(1.1)
Volatile Petroleum Hydrocarbons						
C5-C8 Aliphatic Hydrocarbons	ND(15)	ND(15)	ND(15)	ND(15)	ND(10)	ND(44)
C9-C10 Aromatic Hydrocarbons	ND(7.5)	ND(7.3)	ND(7.3)	ND(7.5)	ND(5.2)	ND(22)
C9-C12 Aliphatic Hydrocarbons	ND(7.5)	ND(7.3)	ND(7.3)	ND(7.5)	ND(5.2)	ND(22)
Unadjusted C5-C8 Aliphatic Hydrocarbons	ND(15)	ND(15)	ND(15)	ND(15)	ND(10)	ND(44)
Unadjusted C9-C12 Aliphatic Hydrocarbons	ND(7.5)	ND(7.3)	ND(7.3)	ND(7.5)	ND(5.2)	ND(22)
2-Methylnaphthalene	ND(0.61)	ND(0.59)	ND(0.59)	ND(0.61)	ND(0.47)	2.0
Acenaphthene	ND(0.61)	ND(0.59)	ND(0.59)	ND(0.61)	ND(0.47)	2.5
Acenaphthylene	ND(0.61)	ND(0.59)	ND(0.59)	ND(0.61)	ND(0.47)	2.4
Anthracene	ND(0.61)	ND(0.59)	ND(0.59)	ND(0.61)	ND(0.47)	7.3
Benzo(a)anthracene	ND(0.61)	ND(0.59)	ND(0.59)	ND(0.61)	ND(0.47)	13
Benzo(a)pyrene	ND(0.61)	ND(0.59)	ND(0.59)	ND(0.61)	ND(0.47)	13
Benzo(b)fluoranthene	ND(0.61)	ND(0.59)	ND(0.59)	ND(0.61)	ND(0.47)	20
Benzo(g,h,i)perylene	ND(0.61)	ND(0.59)	ND(0.59)	1.1	ND(0.47)	7.5
Benzo(k)fluoranthene	ND(0.61)	ND(0.59)	ND(0.59)	ND(0.61)	ND(0.47)	4.7
Chrysene	ND(0.61)	ND(0.59)	ND(0.59)	ND(0.61)	ND(0.47)	15
Dibenzo(a,h)anthracene	ND(0.61)	ND(0.59)	ND(0.59)	ND(0.61)	ND(0.47)	11
Fluoranthene	ND(0.61)	ND(0.59)	ND(0.59)	ND(0.61)	ND(0.47)	34
Fluorene	ND(0.61)	ND(0.59)	ND(0.59)	ND(0.61)	ND(0.47)	3.8
Indeno(1,2,3-cd)pyrene	ND(0.61)	ND(0.59)	ND(0.59)	ND(0.61)	ND(0.47)	11
Naphthalene	ND(0.61)	ND(0.59)	ND(0.59)	ND(0.61)	ND(0.47)	ND(1.3)
Phenanthrene	ND(0.61)	ND(0.59)	ND(0.59)	ND(0.61)	ND(0.47)	20
Pyrene	ND(0.61)	ND(0.59)	ND(0.59)	ND(0.61)	ND(0.47)	36

TABLE 20-2
DATA RECEIVED DURING DECEMBER 2005

SILVER LAKE BENCH SCALE STUDY
SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth (Inches): / Date Collected:	SL-BS-SE-D16-CAP 0-2 11/22/05	SL-BS-SE-D16-CAP 2-4 11/22/05	SL-BS-SE-D16-CAP 4-6 11/22/05	SL-BS-SE-D16-CAP 6-11 11/22/05	SL-BS-SE-D16-FILTER 0-0 11/22/05	SL-BS-SE-D16-SED 0-6 11/22/05
Total Organic Carbon							
Total Organic Carbon		9000	10000	8900	ND(730)	NA	NA

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to Alpha Woods Hole Laboratories and Northeast Analytical, Inc. for analysis of PCBs, total organic carbon (TOC) and EPH/VPH.
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
4. With the exception of EPH/VPH only those constituents detected in one or more samples are summarized.

Data Qualifiers:

AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
PE - Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration.

TABLE 20-3
DATA RECEIVED DURING DECEMBER 2005

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

Parameter	Sample ID: / Sample Depth (Feet): / Date Collected:	I9-9-19-SB-2E 0-1 12/16/05	I9-9-19-SB-2E 1-3 12/16/05	I9-9-19-SB-2S 0-1 12/16/05	I9-9-19-SB-2S 1-3 12/16/05	I9-9-19-SB-2W 0-1 12/16/05	I9-9-19-SB-2W 1-3 12/16/05
Inorganics							
Lead		350	530	900	120	820	180

Notes:

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

ITEM 21
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GECD310)
DECEMBER 2005

*** 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 activities.

- Conducted a file search at MDEP for recent reports pertaining to the East Street Mobil Site, located adjacent to GMA 1.

East Street Area 1-North and South:

- Continued automated groundwater and NAPL pumping at North Side and South Side Caissons. Approximately 12 gallons of LNAPL were recovered from the North Side Caisson in December. No LNAPL was recovered from the South Side Caisson in December.

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

East Street Area 2-South:

- Continued automated groundwater and LNAPL removal activities. A total of approximately 5,242,569 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 1,180 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 31 gallons of DNAPL from pumping system RW-3(X).

- Continued routine well monitoring and manual NAPL removal activities. Approximately 7.764 liters (2.049 gallons) of LNAPL were removed from wells in this area during December.

- Treated/discharged 5,782,475 gallons of water through 64G Groundwater Treatment Facility.

East Street Area 2-North:

- Continued routine well monitoring and NAPL removal activities. No NAPL was recovered from this area during December.

ITEM 21
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GECD310)
DECEMBER 2005

a. Activities Undertaken/Completed (cont'd)

20s, 30s, and 40s Complexes:

- Continued routine well monitoring and NAPL removal activities. No NAPL was recovered from this area during December.

Lyman Street Area:

- Continued automated groundwater and NAPL removal activities. A total of approximately 332,721 gallons of groundwater was recovered from pumping systems RW-1R, RW-2, and RW-3. No LNAPL was removed from the automated recovery systems during December.

- Continued routine well monitoring and NAPL removal activities. Approximately 1.339 liters (0.353 gallon) of DNAPL was removed from wells in this area during December.

Newell Street Area II:

- Continued routine well monitoring and NAPL removal activities. Approximately 0.111 liter (0.029 gallon) of DNAPL was recovered from this area during December. Monitoring wells N2SC-01I, N2SC-01I(R), N2SC-02, N2SC-03I, N2SC-03I(R), N2SC-08, N2SC-14, NS-15, NS-30, and NS-32 could not be accessed for monitoring due to ongoing excavation activities in this area.

Silver Lake Area:

- Continued routine monitoring of monitoring well pairs around lake and staff gauge in lake.

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 routine monitoring activities.

ITEM 21
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GECD310)
DECEMBER 2005

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

- Submit Fall 2005 Groundwater Quality Monitoring Interim Report (due to EPA on January 31, 2006).

- Evaluate NAPL thickness and groundwater elevation data and begin preparation of the Fall 2005 NAPL Monitoring Report (due to EPA on February 28, 2006).

- Following EPA approval of proposed activities contained in GE's Spring 2005 NAPL Monitoring Report (submitted on August 30, 2005), GE will:

  - Install LNAPL monitoring wells GMA1-22, GMA1-23, and GMA1-24 in East Street Area 2-South.

  - Remove oil skimmer from well 40R and place it in well GMA1-17W.

  - Decommission 31 wells at the Lyman Street Area.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

- The automated DNAPL recovery systems for Newell Street Area II were shut down on July 25, 2005 pursuant to EPA approval of GE's June 7 and 23, 2005 proposals. Each system has been disconnected from the associated recovery wells and the System 1 control shed has been removed. Pipelines scheduled for replacement have been drained and removed. Two replacement recovery wells (N2SC-1I(R) and N2SC-3I(R)) have been installed and developed. The upgraded recovery system will be completed and activated approximately 2 to 3 months after completion of the EPA-approved soil remediation activities in this area.

- As discussed with EPA, GE plans to monitor all remaining wells associated with the Newell Street Area II DNAPL recovery systems on a weekly basis and remove DNAPL accumulations greater than 0.5 foot on a monthly basis until the upgraded recovery system is activated. However, those wells could not be monitored during December because of access issues related to ongoing soil remediation activities.

f. Proposed/Approved Work Plan Modifications

Several program modifications were proposed in the Spring 2005 NAPL Monitoring Report (see Item 21.d above).

TABLE 21-1
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
December 2005

Caisson	Month	Vol. LNAPL Collected (gallon)	Vol. Water Recovered (gallon)	Percent Downtime
Northside	December 2004	35.0	32,200	
	January 2005	2.0	32,600	
	February 2005	3.0	24,700	
	March 2005	1.0	34,700	
	April 2005	0.0	37,100	1.72 - Power Outage
	May 2005	20.0	16,300	
	June 2005	22.0	21,000	8.57 - Maintenance
	July 2005	0.0	16,600	
	August 2005	1.0	16,000	
	September 2005	4.0	10,400	4.91
	October 2005	24.0	8,900	26.34
	November 2005	4.0	52,000	
	December 2005	12.0	33,900	
Southside	December 2005	4.0	98,300	
	January 2005	1.0	77,400	
	February 2005	1.0	76,500	
	March 2005	1.0	98,200	
	April 2005	0.0	99,900	1.72 - Power Outage
	May 2005	0.0	86,600	
	June 2005	2.0	100,300	
	July 2005	0.0	45,800	
	August 2005	1.0	37,100	
	September 2005	9.0	56,300	4.91
	October 2005	4.0	71,000	4.91
	November 2005	2.0	96,600	
	December 2005	0.0	112,800	

TABLE 21-2
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
December 2005

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	December 2005 Removal (liters)
34	12/22/2005	5.75	5.74	0.01	0.006	0.006
72	12/22/2005	6.57	6.56	0.01	0.006	0.006

Total Manual LNAPL Removal for December 2005: 0.012 liters
0.003 gallons

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

TABLE 21-3
ROUTINE WELL MONITORING
EAST STREET AREA 1 - NORTH & SOUTH
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2005

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	12/7/2005	17.07	17.06	0.01	---	19.80	0.00	980.78
North Caisson	997.84	12/13/2005	18.42	18.41	0.01	---	19.80	0.00	979.43
North Caisson	997.84	12/21/2005	18.13	18.10	0.03	---	19.80	0.00	979.74
North Caisson	997.84	12/28/2005	18.16	18.15	0.01	---	19.80	0.00	979.69
GMA 1 - East Street Area 1 - South									
31R	1,000.23	12/22/2005	9.25	---	0.00	---	15.05	0.00	990.98
33	999.50	12/22/2005	6.30	---	0.00	---	21.30	0.00	993.20
34	999.90	12/22/2005	5.75	5.74	0.01	---	21.00	0.00	994.16
72	1000.62	12/22/2005	6.57	6.56	0.01	---	22.00	0.00	994.06
South Caisson	1001.11	12/7/2005	10.07	10.05	0.02	---	15.00	0.00	991.06
South Caisson	1001.11	12/13/2005	10.88	10.87	0.01	---	15.00	0.00	990.24
South Caisson	1001.11	12/21/2005	11.94	11.93	0.01	---	15.00	0.00	989.18
South Caisson	1001.11	12/28/2005	12.85	12.83	0.02	---	15.00	0.00	988.28

Notes:

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

TABLE 21-4
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
December 2005

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
40R	December 2004	0		
	January 2005	0		
	February 2005	0		
	March 2005	0		
	April 2005	0		1.72 - Power Outage
	May 2005	0		0.96 - Maintenance
	June 2005	0		0.36 - Power Outage
	July 2005	0		
	August 2005	0		
	September 2005	0		
	October 2005	0		
	November 2005	0		
	December 2005	0		
64R	December 2004	350	630,500	
	January 2005	575	357,900	
	February 2005	400	228,400	
	March 2005	175	292,400	
	April 2005	575	1,071,000	1.72 - Power Outage
	May 2005	550	931,300	0.96 - Maintenance
	June 2005	325	643,200	0.36 - Power Outage
	July 2005	225	260,800	
	August 2005	250	73,300	
	September 2005	50	10,200	4.91
	October 2005	75	492,200	10.71
	November 2005	125	988,100	
	December 2005	400	1,062,900	
64S System	December 2004	91	1,147,526	
	January 2005	75	844,225	
	February 2005	97	821,010	
	March 2005	282	905,525	
	April 2005	499	1,039,179	1.72 - Power Outage
	May 2005	300	660,761	0.96 - Maintenance
	June 2005	275	527,949	0.36 - Power Outage
	July 2005	10	330,937	
	August 2005	218	271,691	13.73 - Maintenance
	September 2005	321	172,650	4.91
	October 2005	82	541,419	10.71
	November 2005	324	1,014,521	
	December 2005	170	927,871	
64V [1]	December 2004	832	1,460,100	
	January 2005	747	1,103,300	
	February 2005	622	1,095,400	
	March 2005	675	1,342,900	
	April 2005	785	1,221,000	1.72 - Power Outage
	May 2005	254	996,400	0.96 - Maintenance
	June 2005	515	1,177,700	0.36 - Power Outage
	July 2005	465	922,700	
	August 2005	581	993,100	
	September 2005	349	714,700	4.91
	October 2005	564	933,400	4.91
	November 2005	515	1,304,100	
	December 2005	564	1,117,000	

TABLE 21-4
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
December 2005

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
64X	December 2004	10	518,400	
	January 2005	5	388,800	
	February 2005	5	403,200	
	March 2005	5	532,800	
	April 2005	0	417,600	1.72 - Power Outage
	May 2005	0	374,400	0.96 - Maintenance
	June 2005	5	504,000	3.21 - Maint. & Power Outage
	July 2005	15	417,600	3.45 - Maintenance
	August 2005	20	489,600	
	September 2005	25	403,200	
	October 2005	25	403,200	21.43
	November 2005	0	489,600	
	December 2005	6	417,600	
RW-2(X)	December 2004	0	1,111,700	
	January 2005	0	822,500	
	February 2005	0	825,200	
	March 2005	0	1,019,600	
	April 2005	0	859,500	1.72 - Power Outage
	May 2005	0	730,600	0.96 - Maintenance
	June 2005	0	972,100	3.21 - Maint. & Power Outage
	July 2005	0	747,100	
	August 2005	0	982,100	
	September 2005	0	721,200	4.91
	October 2005	0	529,600	
	November 2005	0	573,600	
	December 2005	0	491,800	
RW-1(S) [2]	December 2004	11	1,362,634	0.35 - Maintenance
	January 2005	50	998,655	
	February 2005	41	934,203	
	March 2005	43	1,117,949	
	April 2005	1	864,198	22.41 - Maint. & Power Outage
	May 2005	0	912,416	0.96 - Maintenance
	June 2005	0	1,107,860	0.36 - Power Outage
	July 2005	17	813,490	
	August 2005	32	780,217	1.96 - Maintenance
	September 2005	4	527,699	4.91
	October 2005	43	783,765	
	November 2005	42	1,103,548	
	December 2005	40	900,898	
RW-1(X)	December 2004	0	443,700	4.17 - Maintenance
	January 2005	0	389,000	
	February 2005	0	330,400	
	March 2005	0	399,300	
	April 2005	0	354,700	1.72 - Power Outage
	May 2005	0	233,700	0.96 - Maintenance
	June 2005	0	328,300	3.21 - Maint. & Power Outage
	July 2005	0	109,800	
	August 2005	0	142,000	
	September 2005	0	80,000	4.91
	October 2005	0	299,300	
	November 2005	0	390,700	
	December 2005	0	324,500	

TABLE 21-4
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
December 2005

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
RW-3(X)	December 2004	66		
	January 2005	53		
	February 2005	37		
	March 2005	64		
	April 2005	53		1.72 - Power Outage
	May 2005	51		0.96 - Maintenance
	June 2005	62		0.36 - Power Outage
	July 2005	44		
	August 2005	51		11.76 - Maintenance
	September 2005	40		
	October 2005	19		35.71
	November 2005	51		5.88
	December 2005	31		

Summary of Total Automated Removal		
Water:	**5,242,569**	**Gallons**
LNAPL:	**1,180**	**Gallons**
DNAPL:	**31**	**Gallons**

Notes:

1. The flow meter at recovery well 64V was reset in December 2004.
2. The flow meter at recovery well RW-1(S) was reset in February 2005.

TABLE 21-5
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
December 2005

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	December 2005 Removal (liters)
95-04	12/20/2005	16.40	13.68	2.72	0.047	0.047
95-07	12/20/2005	22.45	18.80	3.65	0.566	0.566
GMA1-15	12/20/2005	15.00	14.55	0.45	0.278	0.278
GMA1-17W	12/20/2005	15.91	14.00	1.91	1.178	1.178
GMA1-19	12/7/2005	10.24	9.63	0.61	0.376	1.629
	12/14/2005	11.10	10.14	0.96	0.592	
	12/20/2005	10.93	10.40	0.53	0.327	
	12/28/2005	10.60	10.06	0.54	0.333	

Total LNAPL Removal East Street Area 2 - South for December 2005: 1.629 liters
0.430 gallons

Total LNAPL Removal East Street Area 2 - North for December 2005: 0.000 liters
0.000 gallons

Total LNAPL Removal 20's, 30's & 40's Complexes for December 2005: 0.000 liters
0.000 gallons

Total LNAPL Removal for December 2005: 1.629 liters
0.430 gallons

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

TABLE 21-6
64G TREATMENT PLANT DISCHARGE DATA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2005

Date	Housatonic River Discharge (gallons)	Recharge Pond Discharge (gallons)	Total Discharge (gallons)
December 2004	5,656,177	152,428	5,808,605
January 2005	5,650,380	112,791	5,763,171
February 2005	4,576,005	195,380	4,771,385
March 2005	5,005,313	235,153	5,240,466
April 2005	5,759,380	172,867	5,932,247
May 2005	4,962,650	288,751	5,251,401
June 2005	4,057,780	318,355	4,376,135
July 2005	3,212,250	389,015	3,601,265
August 2005	2,778,090	356,961	3,135,051
September 2005	2,778,090	356,961	3,135,051
October 2005	5,156,510	177,795	5,334,305
November 2005	5,221,180	163,951	5,385,131
December 2005	5,678,290	104,185	5,782,475

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 21-7
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
December 2005

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	12/13/2005	Buried Under Snow Pile		---	---	---	---	NA
GMA1-10	984.86	12/13/2005	6.68	---	0.00	---	19.80	0.00	978.18
GMA1-12	992.26	12/13/2005	14.80	---	0.00	---	22.14	0.00	977.46
RF-02	982.43	12/13/2005	4.80	---	0.00	---	18.30	0.00	977.63
RF-03	985.40	12/13/2005	6.80	---	0.00	---	18.45	0.00	978.60
RF-03D	985.31	12/13/2005	6.70	---	0.00	---	36.00	0.00	978.61
RF-16	987.91	12/13/2005	8.90	---	0.00	---	20.75	0.00	979.01
40s Complex									
95-17	1,007.67	12/13/2005	24.10	---	0.00	---	28.30	0.00	983.57
RF-4	1,011.99	12/13/2005	14.75	---	0.00	---	23.99	0.00	997.24
East Street Area 2 - South									
13	990.88	12/20/2005	17.15	16.95	0.20	---	22.55	0.00	973.92
14	991.61	12/20/2005	17.07	17.03	0.04	---	25.65	0.00	974.58
19	983.59	12/7/2005	9.70	---	0.00	---	19.74	0.00	973.89
19	983.59	12/14/2005	10.18	---	0.00	---	19.78	0.00	973.41
19	983.59	12/20/2005	10.40	---	0.00	---	19.80	0.00	973.19
19	983.59	12/28/2005	10.01	---	0.00	---	19.78	0.00	973.58
25R	998.31	12/20/2005	23.50	18.65	4.85	---	30.80	0.00	979.32
26RR	1,000.58	12/20/2005	20.01	19.90	0.11	---	28.50	0.00	980.67
40R	991.60	12/7/2005	16.15	16.13	0.02	---	NM	0.00	975.47
40R	991.60	12/13/2005	14.70	14.69	0.01	---	NM	0.00	976.91
40R	991.60	12/21/2005	16.40	16.37	0.03	---	NM	0.00	975.23
40R	991.60	12/28/2005	16.37	P	< 0.01	---	NM	0.00	975.23
48	992.39	12/20/2005	16.15	14.85	1.30	---	22.70	0.00	977.45
49R	988.71	12/20/2005	14.70	---	0.00	---	24.88	0.00	974.01
49RR	989.80	12/20/2005	15.70	---	0.00	---	23.05	0.00	974.10
55	989.45	12/20/2005	16.00	15.80	0.20	---	30.04	0.00	973.64
64R	993.37	12/7/2005	17.85	17.40	0.45	---	19.00	0.00	975.94
64R	993.37	12/13/2005	17.50	17.40	0.10	---	19.00	0.00	975.96
64R	993.37	12/21/2005	17.38	17.15	0.23	---	19.00	0.00	976.20
64R	993.37	12/28/2005	17.23	17.05	0.18	---	19.00	0.00	976.31
64S	984.48	12/7/2005	16.73	16.72	0.01	---	28.70	0.00	967.76
64S	984.48	12/13/2005	16.90	16.89	0.01	---	28.70	0.00	967.59
64S	984.48	12/21/2005	16.85	P	< 0.01	---	28.70	0.00	967.63
64S	984.48	12/28/2005	16.30	P	< 0.01	---	28.70	0.00	968.18
64S-Caisson	NA	12/7/2005	10.03	10.02	0.01	---	14.55	0.00	NA
64S-Caisson	NA	12/13/2005	10.00	9.98	0.02	---	14.55	0.00	NA
64S-Caisson	NA	12/21/2005	10.24	10.20	0.04	---	14.55	0.00	NA
64S-Caisson	NA	12/28/2005	9.87	9.85	0.02	---	14.55	0.00	NA
64V	987.29	12/7/2005	20.20	19.70	0.50	P	29.60	< 0.01	967.56
64V	987.29	12/13/2005	22.00	21.50	0.50	P	29.60	< 0.01	965.76
64V	987.29	12/21/2005	22.10	21.70	0.40	---	29.60	0.00	965.56
64V	987.29	12/28/2005	21.90	21.50	0.40	P	29.60	< 0.01	965.76
64X(N)	984.83	12/7/2005	10.75	10.74	0.01	---	15.85	0.00	974.09
64X(N)	984.83	12/13/2005	12.30	12.29	0.01	---	15.85	0.00	972.54
64X(N)	984.83	12/21/2005	11.30	11.28	0.02	---	15.85	0.00	973.55
64X(N)	984.83	12/28/2005	10.88	10.87	0.01	---	15.85	0.00	973.96
64X(S)	981.56	12/7/2005	13.35	P	< 0.01	---	23.82	0.00	968.21
64X(S)	981.56	12/13/2005	13.80	P	< 0.01	---	23.82	0.00	967.76
64X(S)	981.56	12/21/2005	13.85	13.84	0.01	---	23.82	0.00	967.72
64X(S)	981.56	12/28/2005	16.65	16.60	0.05	---	23.82	0.00	964.96
64X(W)	984.87	12/7/2005	16.55	16.52	0.03	---	24.35	0.00	968.35
64X(W)	984.87	12/13/2005	17.00	16.99	0.01	---	24.35	0.00	967.88
64X(W)	984.87	12/21/2005	17.05	17.03	0.02	---	24.35	0.00	967.84
64X(W)	984.87	12/28/2005	13.40	P	< 0.01	---	24.35	0.00	971.47
95-01	983.77	12/20/2005	9.70	---	0.00	---	17.22	0.00	974.07
95-04	988.70	12/20/2005	16.40	13.68	2.72	---	21.70	0.00	974.83
95-07	994.91	12/20/2005	22.45	18.80	3.65	---	29.30	0.00	975.85

TABLE 21-7
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
December 2005

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)
3-6C-EB-22	986.94	12/20/2005	13.30	---	0.00	---	20.00	0.00	973.64
E2SC-23	992.07	12/20/2005	15.51	---	0.00	---	21.15	0.00	976.56
E2SC-24	987.90	12/20/2005	14.93	---	0.00	---	21.61	0.00	972.97
ES2-06	986.00	12/20/2005	12.20	---	0.00	---	34.40	0.00	973.80
GMA1-13	991.41	12/20/2005	17.30	---	0.00	---	27.15	0.00	974.11
GMA1-14	997.43	12/20/2005	17.35	17.34	0.01	---	23.38	0.00	980.09
GMA1-15	988.59	12/20/2005	15.00	14.55	0.45	---	17.84	0.00	974.01
GMA1-16	986.82	12/20/2005	12.55	12.43	0.12	---	20.00	0.00	974.38
GMA1-17E	993.03	12/20/2005	14.58	14.53	0.05	---	17.30	0.00	978.50
GMA1-17W	992.63	12/20/2005	15.91	14.00	1.91	---	23.25	0.00	978.50
GMA1-19	984.28	12/7/2005	10.24	9.63	0.61	---	17.14	0.00	974.61
GMA1-19	984.28	12/14/2005	11.10	10.14	0.96	---	17.15	0.00	974.07
GMA1-19	984.28	12/20/2005	10.93	10.40	0.53	---	17.15	0.00	973.84
GMA1-19	984.28	12/28/2005	10.60	10.06	0.54	---	17.15	0.00	974.18
GMA1-20	983.49	12/7/2005	9.24	---	0.00	---	17.30	0.00	974.25
GMA1-20	983.49	12/14/2005	9.80	---	0.00	---	17.30	0.00	973.69
GMA1-20	983.49	12/20/2005	10.00	---	0.00	---	17.30	0.00	973.49
GMA1-20	983.49	12/28/2005	9.65	---	0.00	---	17.30	0.00	973.84
GMA1-21	985.68	12/7/2005	10.60	---	0.00	---	19.50	0.00	975.08
GMA1-21	985.68	12/14/2005	11.85	---	0.00	---	19.50	0.00	973.83
GMA1-21	985.68	12/20/2005	12.05	---	0.00	---	19.50	0.00	973.63
GMA1-21	985.68	12/28/2005	11.65	---	0.00	---	19.50	0.00	974.03
HR-G2-MW-1	982.60	12/20/2005	10.30	---	0.00	---	18.25	0.00	972.30
HR-G2-MW-2	981.39	12/20/2005	8.10	---	0.00	---	17.67	0.00	973.29
HR-G2-MW-3	987.14	12/20/2005	14.10	---	0.00	---	22.00	0.00	973.04
HR-G2-RW-1	976.88	12/20/2005	5.62	5.61	0.01	---	18.72	0.00	972.69
RW-1(S)	987.23	12/7/2005	17.80	17.30	0.50	---	28.60	0.00	969.90
RW-1(S)	987.23	12/13/2005	18.90	18.10	0.80	---	28.60	0.00	969.07
RW-1(S)	987.23	12/21/2005	19.80	18.80	1.00	---	28.60	0.00	968.36
RW-1(S)	987.23	12/28/2005	18.40	17.70	0.70	---	28.60	0.00	969.48
RW-1(X)	982.68	12/7/2005	13.75	---	0.00	---	20.80	0.00	968.93
RW-1(X)	982.68	12/13/2005	14.20	---	0.00	---	20.80	0.00	968.48
RW-1(X)	982.68	12/21/2005	9.50	---	0.00	---	20.80	0.00	973.18
RW-1(X)	982.68	12/28/2005	14.20	---	0.00	---	20.80	0.00	968.48
RW-2(X)	985.96	12/7/2005	12.10	---	0.00	---	15.30	0.00	973.86
RW-2(X)	985.96	12/13/2005	12.70	---	0.00	---	15.30	0.00	973.26
RW-2(X)	985.96	12/21/2005	12.70	---	0.00	---	15.30	0.00	973.26
RW-2(X)	985.96	12/28/2005	12.20	---	0.00	---	15.30	0.00	973.76
RW-3(X)	980.28	12/7/2005	7.55	---	0.00	43.40	44.40	1.00	972.73
RW-3(X)	980.28	12/13/2005	7.95	---	0.00	43.20	44.40	1.20	972.33
RW-3(X)	980.28	12/21/2005	8.20	---	0.00	43.90	44.40	0.50	972.08
RW-3(X)	980.28	12/28/2005	7.70	---	0.00	43.90	44.40	0.50	972.58

TABLE 21-7
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
December 2005

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	12/6/2005	18.21	See Note 7 regarding depth to water					972.52
SG-HR-1	990.73	12/14/2005	18.83	See Note 7 regarding depth to water					971.90
SG-HR-1	990.73	12/21/2005	19.05	See Note 7 regarding depth to water					971.68
SG-HR-1	990.73	12/29/2005	18.38	See Note 7 regarding depth to water					972.35

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. NM indicates information not measured.
5. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
6. 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.
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 21-8
ACTIVE RECOVERY SYSTEMS MONTHLY SUMMARY
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2005

Month / Year	Volume Water Pumped (gallon)	RW-1 DNAPL Recovered (gallon)	RW-1R LNAPL Recovered (gallon)	RW-3 LNAPL Recovered (gallon)
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
December 2004	539,528	--	--	10
January 2005	443,634	--	--	10
February 2005	409,113	--	--	5
March 2005	455,192	--	--	5
April 2005	425,145	--	--	5
May 2005	357,497	--	--	--
June 2005	422,006	--	--	10
July 2005	310,647	--	5	10
August 2005	310,647	--	--	--
September 2005	198,753	--	--	--
October 2005	314,247	--	--	--
November 2005	412,936	--	--	--
December 2005	332,721	--	--	--

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 no downtime during December 2005.

TABLE 21-9
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2005

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	December 2005 Removal (liters)
LS-31	12/28/2005	13.08	22.4	0.92	0.568	0.568
LSSC-07	12/7/2005	9.30	24.75	0.33	0.204	0.759
	12/14/2005	9.75	24.84	0.24	0.148	
	12/21/2005	10.00	24.7	0.38	0.234	
	12/28/2005	9.30	24.8	0.28	0.173	
LSSC-08I	12/14/2005	11.35	23.37	0.01	0.006	0.012
	12/21/2005	11.60	23.34	0.01	0.006	

Total Manual DNAPL Removal for December 2005: 1.339 liters
0.353 gallons

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

TABLE 21-10
ROUTINE WELL MONITORING
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2005

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	12/28/2005	5.85	---	0.00	---	19.70	0.00	977.02
EPA-01	983.04	12/28/2005	10.65	---	0.00	---	22.65	0.00	972.39
LS-24	986.58	12/28/2005	Buried Under Concrete Slab			---	---	0.00	NA
LS-30	986.440	12/28/2005	13.14	---	0.000	22.02	22.20	0.18	973.30
LS-31	987.090	12/28/2005	13.08	---	0.000	22.40	23.32	0.92	974.01
LS-38	986.95	12/28/2005	14.20	---	0.00	---	25.05	0.00	972.75
LS-44	980.78	12/28/2005	8.11	---	0.00	---	24.75	0.00	972.67
LSSC-07	982.48	12/7/2005	9.30	---	0.00	24.75	25.08	0.33	973.18
LSSC-07	982.48	12/14/2005	9.75	---	0.00	24.84	25.08	0.24	972.73
LSSC-07	982.48	12/21/2005	10.00	---	0.00	24.7	25.08	0.38	972.48
LSSC-07	982.48	12/28/2005	9.30	---	0.00	24.8	25.08	0.28	973.18
LSSC-08I	983.13	12/7/2005	10.86	---	0.00	---	23.38	0.00	972.27
LSSC-08I	983.13	12/14/2005	11.35	---	0.00	23.37	23.38	0.01	971.78
LSSC-08I	983.13	12/21/2005	11.60	---	0.00	23.34	23.35	0.01	971.53
LSSC-08I	983.13	12/28/2005	10.60	---	0.00	---	23.38	0.00	972.53
LSSC-08S	983.11	12/28/2005	10.75	---	0.00	---	14.68	0.00	972.36
LSSC-16I	980.88	12/28/2005	7.63	---	0.00	---	28.53	0.00	973.25
LSSC-18	987.32	12/28/2005	13.61	---	0.00	---	18.59	0.00	973.71
LSSC-32	980.68	12/28/2005	Buried Under Snow and Debris			---	---	0.00	NA
LSSC-33	980.49	12/28/2005	6.70	---	0.00	---	29.75	0.00	973.79
MW-6R	985.14	12/28/2005	Buried Under Snow and Ice			---	---	0.00	NA
RW-1	984.88	12/7/2005	11.03	---	0.00	P	21.00	< 0.01	973.85
RW-1	984.88	12/13/2005	11.55	---	0.00	P	21.00	< 0.01	973.33
RW-1	984.88	12/21/2005	11.95	---	0.00	P	21.00	< 0.01	972.93
RW-1	984.88	12/28/2005	11.65	---	0.00	P	21.00	< 0.01	973.23
RW-1 (R)	985.07	12/7/2005	15.58	---	0.00	19.58	20.42	0.84	969.49
RW-1 (R)	985.07	12/13/2005	15.60	---	0.00	P	20.42	< 0.01	969.47
RW-1 (R)	985.07	12/21/2005	15.55	---	0.00	P	20.42	< 0.01	969.52
RW-1 (R)	985.07	12/28/2005	15.75	---	0.00	P	20.42	< 0.01	969.32
RW-2	987.82	12/7/2005	12.75	---	0.00	---	21.75	0.00	975.07
RW-2	987.82	12/13/2005	13.35	---	0.00	---	21.75	0.00	974.47
RW-2	987.82	12/21/2005	13.45	---	0.00	---	21.75	0.00	974.37
RW-2	987.82	12/28/2005	12.90	---	0.00	---	21.75	0.00	974.92
RW-3	984.08	12/7/2005	16.60	16.55	0.05	---	21.57	0.00	967.53
RW-3	984.08	12/13/2005	16.70	16.50	0.20	---	21.57	0.00	967.57
RW-3	984.08	12/21/2005	16.95	16.70	0.25	---	21.57	0.00	967.36
RW-3	984.08	12/28/2005	16.22	16.20	0.02	---	21.57	0.00	967.88
Housatonic River (Lyman Street Bridge)									
BM-2A	986.32	12/6/2005	14.45	See Note 5 regarding depth to water					971.87
BM-2A	986.32	12/14/2005	15.10	See Note 5 regarding depth to water					971.22
BM-2A	986.32	12/21/2005	15.40	See Note 5 regarding depth to water					970.92
BM-2A	986.32	12/29/2005	14.60	See Note 5 regarding depth to water					971.72

TABLE 21-10
ROUTINE WELL MONITORING
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2005

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. 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 21-11
ACTIVE DNAPL RECOVERY SYSTEMS MONTHLY SUMMARY
NEWELL STREET AREA II
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2005

Recovery System	Date	Total Gallons Recovered
System 1 [(1)]	December 2004	15.4
	January 2005 [(3)]	8.8
	February 2005	13.2
	March 2005	17.3
	April 2005	24.2
	May 2005	9.9
	June 2005	18.7
	July 2005	14.3
	August 2005	--[(4)]
	September 2005	--[(4)]
	October 2005	--[(4)]
	November 2005	--[(4)]
	December 2005	--[(4)]
System 2 [(2)]	December 2004	64.8
	January 2005 [(3)]	157.2
	February 2005	126.9
	March 2005	16.2
	April 2005	16.2
	May 2005	145.8
	June 2005	32.4
	July 2005	48.6
	August 2005	--[(4)]
	September 2005	--[(4)]
	October 2005	--[(4)]
	November 2005	--[(4)]
	December 2005	--[(4)]
Total Automated DNAPL Removal for December 2005:		**0.0 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. In January 2005, System 2 malfunctioned during weeks 2 and 3 pumping mostly water. The volume reported for those two weeks is an estimated quantity that was included in the total volume removed.
4. The DNAPL recovery systems for the Newell Street Area II were shut down on July 25, 2005. The upgraded systems will be completed and activated approximately 2 to 3 months after completion of the EPA-approved soil remediation activities in this area.

TABLE 21-12
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

CONSENT DECREE MONTHLY STATUS REPORT
GROUNDWATER MANAGEMENT AREA 1 - NEWELL STREET AREA II
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL
December 2005

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	December 2005 Removal (liters)
N2SC-07	12/28/2005	11.30	38	0.18	0.111	0.111

Total DNAPL Removal for December 2005: 0.111 liters
0.029 gallons

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

TABLE 21-13
ROUTINE WELL MONITORING
NEWELL STREET AREA II
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2005

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-01I	984.99	12/7/2005	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-01I	984.99	12/14/2005					---	0.00	NA
N2SC-01I	984.99	12/21/2005					---	0.00	NA
N2SC-01I	984.99	12/28/2005					---	0.00	NA
N2SC-01I(R)	985.98	12/7/2005	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-01I(R)	985.98	12/14/2005					---	0.00	NA
N2SC-01I(R)	985.98	12/21/2005					---	0.00	NA
N2SC-01I(R)	985.98	12/28/2005					---	0.00	NA
N2SC-02	985.56	12/28/2005	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-03I	985.33	12/7/2005	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-03I	985.33	12/14/2005					---	0.00	NA
N2SC-03I	985.33	12/21/2005					---	0.00	NA
N2SC-03I	985.33	12/28/2005					---	0.00	NA
N2SC-03I(R)	986.08	12/7/2005	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-03I(R)	986.08	12/14/2005					---	0.00	NA
N2SC-03I(R)	986.08	12/21/2005					---	0.00	NA
N2SC-03I(R)	986.08	12/28/2005					---	0.00	NA
N2SC-07	984.61	12/28/2005	11.30	---	0.00	38	38.18	0.18	973.31
N2SC-14	985.06	12/7/2005	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-14	985.06	12/14/2005					---	0.00	NA
N2SC-14	985.06	12/21/2005					---	0.00	NA
N2SC-14	985.06	12/28/2005					---	0.00	NA
NS-15	982.76	12/7/2005	Well is Severely Damaged				---	0.00	NA
NS-15	982.76	12/14/2005					---	0.00	NA
NS-15	982.76	12/21/2005					---	0.00	NA
NS-15	982.76	12/28/2005					---	0.00	NA
NS-30	985.99	12/7/2005	Well is Inaccessible Due to Excavation				---	0.00	NA
NS-30	985.99	12/14/2005					---	0.00	NA
NS-30	985.99	12/21/2005					---	0.00	NA
NS-30	985.99	12/28/2005					---	0.00	NA
NS-32	986.20	12/7/2005	Well is destroyed		---	---	---	0.00	NA
NS-32	986.20	12/14/2005			---	---	---	0.00	NA
NS-32	986.20	12/21/2005			---	---	---	0.00	NA
NS-32	986.20	12/28/2005			---	---	---	0.00	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.

TABLE 21-14
ROUTINE WELL MONITORING
SILVER LAKE AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2005

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-01D	983.13	12/13/2005	4.00	---	0.00	---	37	0.00	979.13
SLGW-01S	982.94	12/13/2005	5.24	---	0.00	---	16.24	0.00	977.70
SLGW-02D	985.10	12/13/2005	6.81	---	0.00	---	36.82	0.00	978.29
SLGW-02S	985.39	12/13/2005	7.40	---	0.00	---	8.3	0.00	NA
SLGW-03D	979.14	12/13/2005	Water Frozen Above Riser		0.00	---	0.00	0.00	NA
SLGW-03S	980.21	12/13/2005	3.01	---	0.00	---	14.6	0.00	977.20
SLGW-04D	983.51	12/13/2005	5.45	---	0.00	---	37.1	0.00	978.06
SLGW-04S	984.02	12/13/2005	6.82	---	0.00	---	16.66	0.00	977.20
SLGW-05D	979.30	12/13/2005	Well Buried Under Snow Pile			---	0.00	0.00	NA
SLGW-05S	979.12	12/13/2005	Well Buried Under Snow Pile			---	0.00	0.00	NA
SLGW-06D	981.63	12/13/2005	5.20	---	0.00	---	34.98	0.00	976.43
SLGW-06S	981.66	12/13/2005	4.60	---	0.00	---	13.75	0.00	977.06
Staff Gauge within Silver Lake									
Silver Lake Gauge	NA	12/6/2005	3.07	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	12/14/2005	---	Lake is Frozen					NA
Silver Lake Gauge	NA	12/21/2005	---	Lake is Frozen					NA
Silver Lake Gauge	NA	12/29/2005	3.15	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)
DECEMBER 2005

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

a. Activities Undertaken/Completed

- Commenced preparation of annual Groundwater Quality Monitoring Interim Report.
- Conducted monthly river elevation monitoring.

b. Sampling/Test Results Received

See attached table.

c. Work Plans/Reports/Documents Submitted

None

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

Submit annual Groundwater Quality Monitoring Interim Report (due by January 31, 2006).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 22-1
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 2

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2005

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 (Foot Bridge)									
GMA2-SG-1	989.82	12/29/2005	16.23	See Note 2 regarding depth to water					973.59

Notes:

1. ft BMP - feet Below Measuring Point.
2. A survey reference point was established on the Oxbow J & K foot 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.

ITEM 23
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 2 (GMA 3)
(GECD330)
DECEMBER 2005

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

a. <u>Activities Undertaken/Completed</u>

- Conducted routine groundwater elevation and NAPL monitoring. Approximately 6.822 liters (1.80 gallons) of LNAPL were removed by the automatic skimmer located in well 51-21 and an additional 3.494 liters (0.92 gallon) of LNAPL were manually removed from the wells in this area (see Table 23-3).

- Completed fall 2005 groundwater sampling event, including sampling of the last baseline well (114B-R), along with well 114A (proposed for supplemental sampling in the Spring 2005 Baseline Groundwater Monitoring Report).

b. <u>Sampling/Test Results Received</u>

- See attached tables.

- Preliminary analytical results received in December 2005 from the fall 2005 GMA 3 baseline groundwater quality monitoring activities are shown in Table 23-2. These results come from two wells – 114A and 114B-R. These preliminary results have been compared to the applicable Method 1 GW-3 groundwater standards and UCLs for groundwater set forth in the MCP. (These wells do not constitute GW-2 monitoring wells.) These comparisons indicate the following:

  - There were no exceedances of UCLs in any of these groundwater sample results.

  - The MCP GW-3 standard for chlorobenzene (0.5 ppm) was exceeded in the sample from GW-3 monitoring well 114B-R. Similar exceedances have previously been observed in this well. (Note that the chlorobenzene concentration detected in the sample from this well in December 2005 is also above the MDEP's proposed "Wave 2" GW-3 standard for chlorobenzene of 1 ppm.)

  - Although well 114A is a 50-foot-deep natural attenuation well and is not a monitoring point for the GW-3 standards, we note, for completeness, that the concentrations of ethylbenzene and total xylenes in the sample from this wells were greater than the MCP GW-3 standards. The concentrations of these constituents at this location were also greater than MDEP's proposed "Wave 2" GW-3 standards for these constituents in groundwater. This was the first sampling event where such concentrations were detected in this well.

  - No other MCP GW-3 standards were exceeded in any of the groundwater sample results received in December 2005.

ITEM 23
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 2 (GMA 3)
(GECD330)
DECEMBER 2005

c. Work Plans/Reports/Documents Submitted

None

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

- Continue ongoing groundwater and NAPL monitoring and recovery activities.
- Redevelop well 16C-R.
- Replace piezometer UB-PZ-2 with a new well (to be designated as GMA3-15).
- Evaluate NAPL thickness and groundwater elevation data.
- Validate groundwater analytical data.
- Begin preparation of the Fall 2005 Baseline Groundwater Quality and NAPL Monitoring Interim Report (due to EPA on February 28, 2006).
- Following EPA approval of proposed activities contained in GE's Spring 2005 Baseline Groundwater Quality and NAPL Monitoring Interim Report (submitted on August 30, 2005): (a) collect a groundwater sample from well 51-8 and, if necessary, a NAPL-saturated soil sample; and (b) perform desktop modeling of the potential volatilization of constituents observed at well 51-8. In addition, natural attenuation wells 39B-R and 114A were proposed for supplemental VOC sampling. Well 39B-R was sampled by GE in October 2005 and well 114A was sampled in December 2005.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Natural attenuation well 39D was found to be destroyed during recent inspections. GE plans to examine the prior data from this location and will discuss with EPA whether a replacement for this well is necessary.

f. Proposed/Approved Work Plan Modifications

Several program modifications were proposed in the Spring 2005 Baseline Groundwater Quality and NAPL Monitoring Interim Report (see Item 23.d above).

TABLE 23-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2005

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Semi-Annual Groundwater Sampling	114A	12/8/05	Water	SGS	VOC	12/28/05
Semi-Annual Groundwater Sampling	114B-R	12/8/05	Water	SGS	PCB, VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	12/28/05

Note:
1. (f) - Indicates filtered analysis requested.

TABLE 23-2
DATA RECEIVED DURING DECEMBER 2005

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:	114A 12/08/05	114B-R 12/08/05
Volatile Organics		
Chlorobenzene	ND(1.0)	3.3
Ethylbenzene	11	ND(0.050)
Toluene	17	ND(0.050)
Xylenes (total)	68	ND(0.050)
PCBs-Unfiltered		
None Detected	NA	--
Semivolatile Organics		
1,2-Dichlorobenzene	NA	0.012
1,3-Dichlorobenzene	NA	0.0027 J
1,4-Dichlorobenzene	NA	0.035
Organochlorine Pesticides		
None Detected	NA	--
Herbicides		
None Detected	NA	--
Furans		
2,3,7,8-TCDF	NA	ND(0.0000000038)
TCDFs (total)	NA	ND(0.0000000038)
1,2,3,7,8-PeCDF	NA	ND(0.0000000049)
2,3,4,7,8-PeCDF	NA	ND(0.0000000049)
PeCDFs (total)	NA	ND(0.0000000049)
1,2,3,4,7,8-HxCDF	NA	ND(0.0000000049)
1,2,3,6,7,8-HxCDF	NA	ND(0.0000000049)
1,2,3,7,8,9-HxCDF	NA	ND(0.0000000053)
2,3,4,6,7,8-HxCDF	NA	ND(0.0000000049)
HxCDFs (total)	NA	ND(0.0000000049)
1,2,3,4,6,7,8-HpCDF	NA	ND(0.0000000049)
1,2,3,4,7,8,9-HpCDF	NA	ND(0.0000000051)
HpCDFs (total)	NA	ND(0.0000000049)
OCDF	NA	ND(0.000000012)
Dioxins		
2,3,7,8-TCDD	NA	ND(0.0000000045)
TCDDs (total)	NA	ND(0.0000000045)
1,2,3,7,8-PeCDD	NA	ND(0.0000000049)
PeCDDs (total)	NA	ND(0.0000000049)
1,2,3,4,7,8-HxCDD	NA	ND(0.0000000081)
1,2,3,6,7,8-HxCDD	NA	ND(0.0000000079)
1,2,3,7,8,9-HxCDD	NA	ND(0.0000000081)
HxCDDs (total)	NA	ND(0.0000000080)
1,2,3,4,6,7,8-HpCDD	NA	ND(0.0000000090)
HpCDDs (total)	NA	ND(0.0000000090)
OCDD	NA	0.00000013 J
Total TEQs (WHO TEFs)	NA	0.0000000086
Inorganics-Unfiltered		
Antimony	NA	ND(0.0600)
Barium	NA	0.250
Lead	NA	0.00120 B
Nickel	NA	ND(0.0400)
Vanadium	NA	0.00160 B

TABLE 23-2
DATA RECEIVED DURING DECEMBER 2005

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:	114A 12/08/05	114B-R 12/08/05
Inorganics-Filtered		
Antimony	NA	0.00720 B
Barium	NA	0.240
Lead	NA	ND(0.00300)
Nickel	NA	0.00250 B
Vanadium	NA	ND(0.0500)

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 parenthesis 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 (PCBs, volatiles, 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
December 2005

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	December 2005 Removal (liters)
51-19	12/27/2005	9.82	9.55	0.27	0.167	0.167
51-21	12/7/2005	14.25	P	< 0.01	1.137	6.822
	12/13/2005	14.50	P	< 0.01	2.274	
	12/21/2005	14.65	P	< 0.01	1.137	
	12/28/2005	14.45	P	< 0.01	2.274	
59-03R	12/27/2005	11.10	10.55	0.55	0.339	0.339
GMA3-10	12/7/2005	10.42	9.98	0.44	0.271	0.271
GMA3-12	12/21/2005	11.03	10.75	0.28	0.692	1.335
	12/27/2005	10.96	10.70	0.26	0.643	
GMA3-13	12/7/2005	10.75	10.10	0.65	0.401	1.382
	12/14/2005	10.80	10.30	0.50	0.308	
	12/21/2005	11.08	10.50	0.58	0.358	
	12/27/2005	11.05	10.54	0.51	0.315	

Total Automated LNAPL Removal at well 51-21 for December 2005: 6.822 liters
1.80 Gallons

Total Manual LNAPL Removal at all other wells for December 2005: 3.494 liters
0.92 Gallons

Total LNAPL Removed for December 2005: 10.316 liters
2.72 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
December 2005

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)
016A	991.77	11/11/05	6.39	---	0.00	---	51.07	0.00	985.38
016B-R	994.87	11/11/05	5.88	---	0.00	---	16.44	0.00	988.99
016C-R	993.23	11/11/05	7.34	---	0.00	---	101.05	0.00	985.89
51-05	996.44	12/27/05	9.71	9.68	0.03	---	10.58	0.00	986.76
51-06	997.36	12/27/05	9.93	---	0.00	---	14.58	0.00	987.43
51-07	997.08	12/27/05	Well is buried under snowpile			---	---	0.00	NA
51-08	997.08	12/7/05	10.89	10.80	0.09	---	14.68	0.00	986.27
51-08	997.08	12/14/05	10.13	10.08	0.05	---	14.67	0.00	987.00
51-08	997.08	12/21/05	10.40	10.30	0.10	---	14.70	0.00	986.77
51-08	997.08	12/27/05	10.20	10.11	0.09	---	14.68	0.00	986.96
51-09	997.70	12/27/05	10.00	---	0.00	---	11.58	0.00	987.70
51-11	994.37	12/27/05	7.00	---	0.00	---	13.55	0.00	987.37
51-12	996.55	12/27/05	7.10	---	0.00	---	13.31	0.00	989.45
51-13	997.42	12/27/05	Dry at 10.02 feet	---	0.00	---	---	0.00	NA
51-14	996.77	12/27/05	9.95	---	0.00	---	14.95	0.00	986.82
51-15	996.43	12/27/05	9.50	9.42	0.08	---	14.46	0.00	987.00
51-16R	996.39	12/27/05	9.41	---	0.00	---	14.55	0.00	986.98
51-17	996.43	12/27/05	9.35	9.30	0.05	---	14.50	0.00	987.13
51-18	997.12	12/27/05	10.05	---	0.00	---	12.60	0.00	987.07
51-19	996.43	12/27/05	9.82	9.55	0.27	---	14.02	0.00	NA
51-21	1001.49	12/7/05	14.25	P	< 0.01	---	NM	0.00	987.24
51-21	1001.49	12/13/05	14.50	P	< 0.01	---	NM	0.00	986.99
51-21	1001.49	12/21/05	14.65	P	< 0.01	---	NM	0.00	986.84
51-21	1001.49	12/28/05	14.45	P	< 0.01	---	NM	0.00	987.04
59-01	997.52	12/27/05	10.47	10.45	0.02	---	11.40	0.00	NA
59-03R	997.64	12/27/05	11.10	10.55	0.55	---	17.05	0.00	987.05
59-07	997.96	12/27/05	10.88	10.82	0.06	---	23.50	0.00	987.14
089A	985.76	11/11/05	1.95	---	0.00	---	47.33	0.00	983.81
089D-R	987.11	11/11/05	3.18	---	0.00	---	79.35	0.00	983.93
090A	988.07	11/11/05	4.36	---	0.00	---	51.42	0.00	983.71
090B	989.10	11/11/05	5.48	---	0.00	---	12.91	0.00	983.62
095A	987.18	11/11/05	5.70	---	0.00	---	50.99	0.00	981.48
095B-R	986.24	11/11/05	4.84	---	0.00	---	13.92	0.00	981.40
114A	986.16	11/11/05	5.22	---	0.00	---	52.25	0.00	980.94
114A	986.16	12/8/05	5.08	---	0.00	---	52.20	0.00	981.08
114B-R	985.54	11/11/05	5.27	---	0.00	---	15.41	0.00	980.27
114B-R	985.54	12/8/05	5.20	---	0.00	---	15.38	0.00	980.34
GMA3-5	993.67	11/11/05	7.25	---	0.00	---	15.42	0.00	986.42
GMA3-10	997.54	12/07/05	10.42	9.98	0.44	---	18.00	0.00	987.53
GMA3-10	997.54	12/14/05	10.28	10.14	0.14	---	17.98	0.00	987.39
GMA3-10	997.54	12/21/05	10.40	10.33	0.07	---	17.98	0.00	987.21
GMA3-10	997.54	12/27/05	10.49	10.32	0.17	---	17.95	0.00	987.21
GMA3-11	997.25	12/27/05	9.90	---	0.00	---	18.35	0.00	987.35
GMA3-12	997.84	12/07/05	10.46	10.35	0.11	---	21.20	0.00	987.48
GMA3-12	997.84	12/14/05	10.75	10.55	0.20	---	21.24	0.00	987.28
GMA3-12	997.84	12/21/05	11.03	10.75	0.28	---	21.25	0.00	987.07
GMA3-12	997.84	12/27/05	10.96	10.70	0.26	---	21.25	0.00	987.12
GMA3-13	997.73	12/07/05	10.75	10.10	0.65	---	17.70	0.00	987.58
GMA3-13	997.73	12/14/05	10.80	10.30	0.50	---	17.75	0.00	987.40
GMA3-13	997.73	12/21/05	11.08	10.50	0.58	---	17.75	0.00	987.19
GMA3-13	997.73	12/27/05	11.05	10.54	0.51	---	17.77	0.00	987.15

TABLE 23-4
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 3

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2005

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)
GMA3-14	997.42	12/27/05	10.15	---	0.00	---	17.05	0.00	987.27
OBG-2	992.20	11/11/05	4.71	---	0.00	---	14.89	0.00	987.49
UB-MW-10	995.99	12/27/05	Water column frozen; could not gage			---	---	0.00	NA
UB-PZ-3	998.15	12/27/05	11.33	11.26	0.07	---	13.40	0.00	0.00
Unkamet Brook Staff Gauges									
GMA3-SG-2	NA	11/11/05	2.20	See Note 6 regarding depth to water					NA
GMA3-SG-4	NA	11/11/05	0.71	See Note 6 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. NM indicates information not measured.
5. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
6. Survey reference points were established on the GMA 3 staff gauges. 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.
7. Monitoring data collected from several GMA 3 wells on 11/11/2005 was omitted from the November 2005 Monthly Status Report and is included in this table.

ITEM 24
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 3 (GMA 4)
(GECD340)
DECEMBER 2005

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

a. Activities Undertaken/Completed

- Conducted routine groundwater elevation monitoring at well GMA4-3.
- Inspected well SCH-4, located north of GMA 4.

b. Sampling/Test Results Received

See attached table.

c. Work Plans/Reports/Documents Submitted

None

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

- Continue routine monitoring at well GMA4-3.
- Evaluate groundwater elevation and analytical data, and begin preparation of the Fall 2005 Groundwater Quality Monitoring Interim Report (due to EPA on February 28, 2006).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

In the Spring 2005 Groundwater Quality Monitoring Interim Report (submitted on August 30, 2005), GE proposed that wells GMA4-5 and H78B-13R no longer be sampled under the interim groundwater monitoring program.

TABLE 24-1
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 4

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2005

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
GMA4-3	1,003.95	12/27/05	16.82	---	0.00	---	26.25	0.00	987.13

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.

ITEM 25
GROUNDWATER MANAGEMENT AREAS
FORMER OXBOWS A & C (GMA 5)
(GECD350)
DECEMBER 2005

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

a. Activities Undertaken/Completed

Conducted a file search at MDEP for recent reports pertaining to the Elm Street Mobil Site, located adjacent to GMA 5.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Assess fall 2005 groundwater elevation data and present results in a letter to EPA in lieu of a fall groundwater monitoring report, as no sampling was conducted at this GMA in fall 2005 (see Item 25.f below).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

EPA's November 10, 2004 letter to GE stated that interim groundwater quality sampling activities are to be postponed until groundwater elevation monitoring data demonstrate that groundwater flow is not being artificially influenced by the temporary dam that is being maintained as part of the remediation along the 1½ Mile Reach of the Housatonic River. Since those remediation activities are ongoing and the temporary dam is still in place, no groundwater sampling was conducted at GMA 5 in fall 2005. The annual interim groundwater sampling will resume in spring 2006 provided the temporary dam has been removed and groundwater flow is no longer influenced by the dam.

Attachment A

NPDES Sampling Records and Results December 2005

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

TABLE A-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2005

NPDES PERMIT MONITORING
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received by GE or BBL
NPDES Sampling	001-A6948	12/5/05	Water	Columbia	Oil & Grease	12/16/05
NPDES Sampling	001-A6951	12/5/05	Water	SGS	PCB	12/15/05
NPDES Sampling	001-A6961	12/6/05	Water	Columbia	TSS	12/15/05
NPDES Sampling	005-A6931/A6932	11/22/05	Water	SGS	PCB	12/1/05
NPDES Sampling	005-A6942/A6946	11/28/05	Water	SGS	PCB	12/2/05
NPDES Sampling	005-A6962/A6963	12/6/05	Water	Columbia	TSS, BOD	12/15/05
NPDES Sampling	005-A6962/A6963	12/6/05	Water	SGS	PCB	12/15/05
NPDES Sampling	005-A6976/A6977	12/13/05	Water	SGS	PCB	12/21/05
NPDES Sampling	005-A6994/A6995	12/20/05	Water	SGS	PCB	12/29/05
NPDES Sampling	005-A7007/A7008	12/27/05	Water	SGS	PCB	
NPDES Sampling	09B-A6905	11/13/05	Water	Columbia	TSS	12/5/05
NPDES Sampling	09B-A6918	11/14/05	Water	Columbia	BOD	12/5/05
NPDES Sampling	09B-A6919	11/20/05	Water	Columbia	TSS	12/5/05
NPDES Sampling	09B-A6926	11/21/05	Water	Columbia	BOD	12/5/05
NPDES Sampling	09B-A6934	11/27/05	Water	Columbia	TSS	12/15/05
NPDES Sampling	09B-A6947	11/28/05	Water	Columbia	BOD	12/15/05
NPDES Sampling	09B-A6958	12/5/05	Water	Columbia	TSS, BOD	12/16/05
NPDES Sampling	09B-A6974	12/12/05	Water	Columbia	TSS, BOD	12/21/05
NPDES Sampling	09B-A6989	12/19/05	Water	Columbia	TSS, BOD	12/29/05
NPDES Sampling	09B-A6996	12/21/05	Water	Columbia	BOD	
NPDES Sampling	09B-A7009	12/27/05	Water	Columbia	TSS, BOD	
NPDES Sampling	09C-A6906	11/13/05	Water	Columbia	Oil & Grease	12/5/05
NPDES Sampling	09C-A6927	11/22/05	Water	Columbia	Oil & Grease	12/15/05
NPDES Sampling	09C-A6935	11/27/05	Water	Columbia	Oil & Grease	12/15/05
NPDES Sampling	09C-A6965	12/8/05	Water	Columbia	Oil & Grease	12/21/05
NPDES Sampling	09C-A6980	12/13/05	Water	Columbia	Oil & Grease	12/21/05
NPDES Sampling	09C-A6990	12/19/05	Water	Columbia	Oil & Grease	12/29/05
NPDES Sampling	09C-A6997	12/25/05	Water	Columbia	Oil & Grease	
NPDES Sampling	64G-A6914	11/14/05	Water	Columbia	Oil & Grease	12/5/05
NPDES Sampling	64G-A6923	11/21/05	Water	Columbia	Oil & Grease	12/5/05
NPDES Sampling	64G-A6943	11/28/05	Water	Columbia	Oil & Grease	12/15/05
NPDES Sampling	64G-A6955	12/5/05	Water	Columbia	Oil & Grease	12/16/05
NPDES Sampling	64G-A6971	12/12/05	Water	Columbia	Oil & Grease	12/21/05

TABLE A-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2005

NPDES PERMIT MONITORING
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received by GE or BBL
NPDES Sampling	64G-A6986	12/19/05	Water	Columbia	Oil & Grease	12/29/05
NPDES Sampling	64G-A7003	12/26/05	Water	Columbia	Oil & Grease	
NPDES Sampling	64T-A6910	11/14/05	Water	Columbia	Oil & Grease	12/5/05
NPDES Sampling	64T-A6920	11/21/05	Water	Columbia	Oil & Grease	12/5/05
NPDES Sampling	64T-A6939	11/28/05	Water	Columbia	Oil & Grease	12/15/05
NPDES Sampling	64T-A6952	12/5/05	Water	Columbia	Oil & Grease	12/16/05
NPDES Sampling	64T-A6968	12/12/05	Water	Columbia	Oil & Grease	12/21/05
NPDES Sampling	64T-A6983	12/19/05	Water	Columbia	Oil & Grease	12/29/05
NPDES Sampling	64T-A7000	12/26/05	Water	Columbia	Oil & Grease	
NPDES Sampling	A6903RCN	11/7/05	Water	Columbia	CN	12/2/05
NPDES Sampling	A6903RTM	11/7/05	Water	Columbia	Metals (10)	12/2/05
NPDES Sampling	A6904CCN	11/7/05	Water	Columbia	CN	12/2/05
NPDES Sampling	A6904CDM	11/7/05	Water	Columbia	Filtered Metals (8)	12/2/05
NPDES Sampling	A6904CTM	11/7/05	Water	Columbia	Metals (10)	12/2/05
NPDES Sampling	A6959R	12/6/05	Water	Aquatec	Acute Toxicity Test	
NPDES Sampling	A6959RCN	12/6/05	Water	Columbia	CN	12/21/05
NPDES Sampling	A6959RTM	12/6/05	Water	Columbia	Metals (10)	12/21/05
NPDES Sampling	A6960C	12/6/05	Water	Aquatec	Acute Toxicity Test	
NPDES Sampling	A6960CCN	12/6/05	Water	Columbia	CN	12/21/05
NPDES Sampling	A6960CDM	12/6/05	Water	Columbia	Filtered Metals (8)	12/22/05
NPDES Sampling	A6960CTM	12/6/05	Water	Columbia	Metals (10)	12/21/05
NPDES Sampling	DEC05WK1	11/28/05	Water	Columbia	Cu, Pb, Zn	12/15/05
NPDES Sampling	DEC05WK3	12/13/05	Water	Columbia	Cu, Pb, Zn	12/21/05
NPDES Sampling	DEC05WK4	12/20/05	Water	Columbia	Cu, Pb, Zn	
NPDES Sampling	DEC05WK5	12/27/05	Water	Columbia	Cu, Pb, Zn	
NPDES Sampling	NOV05WK3	11/14/05	Water	Columbia	Cu, Pb, Zn	12/5/05
NPDES Sampling	NOV05WK4	11/22/05	Water	Columbia	Cu, Pb, Zn	12/15/05

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2005

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

Parameter / Sample ID: / Date Collected:	001-A6948 12/05/05	001-A6951 12/05/05	001-A6961 12/06/05	005-A6931/A6932 11/22/05	005-A6942/A6946 11/28/05	005-A6962/A6963 12/06/05	005-A6976/A6977 12/13/05
PCBs-Unfiltered							
Aroclor-1254	NA	ND(0.000065)	NA	0.000046 J	ND(0.000065)	ND(0.000065)	0.000023 J
Total PCBs	NA	ND(0.000065)	NA	0.000046 J	ND(0.000065)	ND(0.000065)	0.000023 J
Inorganics-Unfiltered							
Aluminum	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered							
Aluminum	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA
Conventionals							
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	ND(2.0)	NA
Oil & Grease	ND(5.0)	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	5.22	NA	NA	ND(1.01)	NA

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2005

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

Parameter / Sample ID: / Date Collected:	005-A6994/A6995 12/20/05	09B-A6905 11/13/05	09B-A6918 11/14/05	09B-A6919 11/20/05	09B-A6926 11/21/05	09B-A6934 11/27/05	09B-A6947 11/28/05	09B-A6958 12/05/05
PCBs-Unfiltered								
Aroclor-1254	0.000022 J	NA	NA	NA	NA	NA	NA	NA
Total PCBs	0.000022 J	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	NA	2.5	NA	ND(2.0)	NA	ND(2.0)	ND(2.0)
Oil & Grease	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	6.00	NA	13.8	NA	3.80	NA	14.3

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2005

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

Parameter / Sample ID: / Date Collected:	09B-A6974 12/12/05	09B-A6989 12/19/05	09C-A6906 11/13/05	09C-A6927 11/22/05	09C-A6935 11/27/05	09C-A6965 12/08/05	09C-A6980 12/13/05	09C-A6990 12/19/05	64G-A6914 11/14/05
PCBs-Unfiltered									
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals									
Biological Oxygen Demand (5-day)	ND(2.0)	ND(2.0)	NA	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)	ND(5.0)
Total Suspended Solids	2.80	2.09	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2005

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

Parameter / Sample ID: / Date Collected:	64G-A6923 11/21/05	64G-A6943 11/28/05	64G-A6955 12/05/05	64G-A6971 12/12/05	64G-A6986 12/19/05	64T-A6910 11/14/05	64T-A6920 11/21/05	64T-A6939 11/28/05	64T-A6952 12/05/05
PCBs-Unfiltered									
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals									
Biological Oxygen Demand (5-day)	NA	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)	ND(5.0)	ND(5.0)
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2005

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

Parameter / Sample ID: / Date Collected:	64T-A6968 12/12/05	64T-A6983 12/19/05	A6903RCN 11/07/05	A6903RTM 11/07/05	A6904CCN 11/07/05	A6904CDM 11/07/05	A6904CTM 11/07/05	A6959RCN 12/06/05
PCBs-Unfiltered								
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered								
Aluminum	NA	NA	NA	ND(0.100)	NA	NA	ND(0.100)	NA
Cadmium	NA	NA	NA	ND(0.00500)	NA	NA	ND(0.00500)	NA
Calcium	NA	NA	NA	14.8	NA	NA	70.6	NA
Chromium	NA	NA	NA	ND(0.0100)	NA	NA	ND(0.0100)	NA
Copper	NA	NA	NA	ND(0.0200)	NA	NA	ND(0.0200)	NA
Cyanide	NA	NA	ND(0.0100)	NA	0.0305	NA	NA	ND(0.0100)
Lead	NA	NA	NA	ND(0.0500)	NA	NA	ND(0.0500)	NA
Magnesium	NA	NA	NA	4.91	NA	NA	32.5	NA
Nickel	NA	NA	NA	ND(0.0400)	NA	NA	ND(0.0400)	NA
Silver	NA	NA	NA	ND(0.0100)	NA	NA	ND(0.0100)	NA
Zinc	NA	NA	NA	ND(0.0200)	NA	NA	0.0301	NA
Inorganics-Filtered								
Aluminum	NA	NA	NA	NA	NA	ND(0.100)	NA	NA
Cadmium	NA	NA	NA	NA	NA	ND(0.00500)	NA	NA
Chromium	NA	NA	NA	NA	NA	ND(0.0100)	NA	NA
Copper	NA	NA	NA	NA	NA	ND(0.0200)	NA	NA
Lead	NA	NA	NA	NA	NA	ND(0.0500)	NA	NA
Nickel	NA	NA	NA	NA	NA	ND(0.0400)	NA	NA
Silver	NA	NA	NA	NA	NA	ND(0.0100)	NA	NA
Zinc	NA	NA	NA	NA	NA	0.0296	NA	NA
Conventionals								
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	ND(5.0)	ND(5.0)	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2005

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

Parameter / Sample ID: / Date Collected:	A6959RTM 12/06/05	A6960CCN 12/06/05	A6960CDM 12/06/05	A6960CTM 12/06/05	DEC05WK1 11/28/05	DEC05WK3 12/13/05	NOV05WK3 11/14/05	NOV05WK4 11/22/05
PCBs-Unfiltered								
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered								
Aluminum	0.0588	NA	NA	0.0577	NA	NA	NA	NA
Cadmium	ND(0.000418)	NA	NA	ND(0.000418)	NA	NA	NA	NA
Calcium	10.0	NA	NA	89.6	NA	NA	NA	NA
Chromium	ND(0.000850)	NA	NA	0.00130	NA	NA	NA	NA
Copper	ND(0.00467)	NA	NA	ND(0.00467)	ND(0.0200)	ND(0.0200)	ND(0.00467)	ND(0.0200)
Cyanide	NA	0.0529	NA	NA	NA	NA	NA	NA
Lead	0.00270	NA	NA	0.00350	ND(0.00500)	ND(0.00500)	0.00220 B	ND(0.00500)
Magnesium	3.39	NA	NA	35.0	NA	NA	NA	NA
Nickel	ND(0.00113)	NA	NA	ND(0.00113)	NA	NA	NA	NA
Silver	ND(0.00115)	NA	NA	ND(0.00115)	NA	NA	NA	NA
Zinc	0.00250	NA	NA	0.0104	ND(0.0200)	ND(0.0200)	0.0226	ND(0.0200)
Inorganics-Filtered								
Aluminum	NA	NA	0.0446	NA	NA	NA	NA	NA
Cadmium	NA	NA	ND(0.000418)	NA	NA	NA	NA	NA
Chromium	NA	NA	0.000970	NA	NA	NA	NA	NA
Copper	NA	NA	ND(0.00467)	NA	NA	NA	NA	NA
Lead	NA	NA	0.00210	NA	NA	NA	NA	NA
Nickel	NA	NA	ND(0.00113)	NA	NA	NA	NA	NA
Silver	NA	NA	ND(0.00115)	NA	NA	NA	NA	NA
Zinc	NA	NA	0.0146	NA	NA	NA	NA	NA
Conventionals								
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
1. Samples were collected by General Electric Company, and submitted to Columbia Analytical Services, Inc. and 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 parenthesis 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

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

Attachment B

NPDES Discharge Monitoring Reports
November 2005

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	005 1
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	11	01	TO	05	11	30

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

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) 00310 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0	0	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	70 MO AVG	135 DAILY MX	LBS/DY	******	******	******	**** ****		INCE/ MONTH	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0	0	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	168 MO AVG	270 DAILY MX	LBS/DY	******	******	******	**** ****		INCE/ MONTH	COMPOS
OIL & GREASE 00556 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	0	(19) MG/L	0	01/07	GR
	PERMIT REQUIREMENT	******	135 DAILY MX	LBS/DY	******	******	15 DAILY MX	MG/L		WEEKLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS) 39516 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.00003	0.0001	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	0.01 MO AVG	0.03 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.235	0.526	(03) MGD	******	******	******		0	99/99	RC
	PERMIT REQUIREMENT	2.09 MO AVG	2.09 DAILY MX	MGD	******	******	******	**** ****		CONT IN UOUS	RECORDR
	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.	M. T. Carroll	413 448-5902	2005	12	15
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)*
SEE PAGE 8 + 9 OF PERMIT FOR SAMPLING REQUIREMENTS. SEE DMR(S) 0640 + 064T FOR FURTHER PARAMETERS.

Form Approved.
OMB No. 2040-0004

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	064 G	MAJOR
PERMIT NUMBER	DISCHARGE NUMBER	(SUBR W)
		F - FINAL
		GROUNDWATER TREATMENT (GO5)

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	11	01	TO	05	11	30

*** NO DISCHARGE [ ] ***
NOTE: Read Instructions before completing this form.

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	*******	7.4	(12)	0	99/99	RCDR
00400 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*******	*******	*** ****	6 0 MINIMUM	*******	9 0 MAXIMUM	SU SU		4EEKLY	RANG-G
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		3TRLY	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		3TRLY	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	413 448-5902	2005	12	15
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)*

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)*

Form Approved.
OMB No. 2040-0004

MA0003891	064 T	MAJOR
PERMIT NUMBER	DISCHARGE NUMBER	(SUBR W)
		F - FINAL
		WASTEWATER TREATMENT (005)

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	11	01	TO	05	11	30

*** NO DISCHARGE [ ] ***

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	******	******		6.8	******	7.0	(12)	0	05/30	RNDR
00400 T O O SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	***** *****	6.0 MINIMUM	******	9.0 MAXIMUM	SU SU		WEEKLY	GRAB
DIBENZOFURAN	SAMPLE MEASUREMENT	******	******		******			(22)			
81302 T O O SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	***** *****	******	NODI[9] REPORT MO AVG	NODI[9] 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			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.	M. T. Carroll	413 413-5002	2005	12	15
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)*
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)

Form Approved.
OMB No. 2040-0004

MA0003891	007 1
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	11	01	TO	05	11	30

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG FAHRENHEIT 00011 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******			(15)			
	PERMIT REQUIREMENT	******	******	*** ***	******	70 MO AVG	75 DAILY MX	DEG. F		ONCE/ MONTH	GRAB
PH 00400 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******			******		(12)			
	PERMIT REQUIREMENT	******	******	*** ***	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS) 39516 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******			(21)			
	PERMIT REQUIREMENT	******	******	*** ***	******	REPORT MO AVG	REPORT DAILY MX	PPB		YTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT			(03)	******	******	******				
	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		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.	M. T. Carroll	413	448-5002	2005	12 15
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)*

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)*

Form Approved.
OMB No. 2040-0004

MA0003891	009 1
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	11	01	TO	05	11	30

*** NO DISCHARGE [ ] ***

NOTE: Read Instructions before completing this form.

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) 00310 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.3	1.0	(26) LBS/DY	*******	*******	*******		0	01/07	CP
	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	*******	*******	*******	**** ****		WEEKLY	COMPOS
PH 00400 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*******	*******		7.1	*******	7.4	(12) SU	0	01/07	GR
	PERMIT REQUIREMENT	*******	*******	**** ****	6.0 MINIMUM	*******	9.0 MAXIMUM	SU		WEEKLY	RANDOM
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	1.8	4.0	(26) LBS/DY	*******	*******	*******		0	01/07	CP
	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/DY	*******	*******	*******	**** ****		WEEKLY	COMPOS
OIL & GREASE 00556 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*******	0	(26) LBS/DY	*******	*******	0	(19) MG/L	0	01/07	GR
	PERMIT REQUIREMENT	*******	438 DAILY MX	LBS/DY	*******	*******	15 DAILY MX	MG/L		WEEKLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS) 39516 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*******	*******		*******	NODI [9]	NODI [9]	(19)			
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	REPORT MO AVG	REPORT DAILY MX	MG/L		3TRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.045	0.195	(03) MGD	*******	*******	*******		0	99/99	RC
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*******	*******	*******	**** ****		CONTINUOUS	RECORDR
	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.	M T Carroll	413 448-5902	2005	12	15
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)*
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)*

Form Approved.
OMB No. 2040-0004

MA0003891	009 A
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	11	01	TO	05	11	30

*** NO DISCHARGE ***

NOTE: Read Instructions before completing this form.

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) 00310 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT			(26)	******	******	******				
	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT			(26)	******	******	******				
	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT			(03)	******	******	******				
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	RECORDE
	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.	M. T. Carroll	413	448-5902	2005	12	15
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)*

SEE PAGE 11 OF PERMIT. SEE DMR 0091. SAMPLE AT 09A.

NATIONAL POLLUTION DISCHARGE ELIMINTION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved.
OMB No. 2040-0004
Approval expires 5-31-98

GENERAL ELECTRIC COMPANY
PITTSFIELD, MA 01201
ATTN: MICHAEL CARROLL

(2-16) MA0003891 — PERMIT NUMBER

(17-19) SUM A — DISCHARGE NUMBER

METALS 001, 004, 005, 007, 009, 011

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2005	11	1	TO	2005	11	30

***NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53) AVERAGE	QUANTITY OR LOADING (54-61) MAXIMUM	UNITS	QUALITY OR CONCENTRATION (4 Card Only) (38-45) MINIMUM	QUALITY OR CONCENTRATION (46-53) AVERAGE	QUALITY OR CONCENTRATION (54-61) MAXIMUM	UNITS	NO. EX. (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PHOSPHORUS (AS P) 00665 1 0 0 Effluent Gross Value	SAMPLE MEASUREMENT	******	0.21	LBS/DAY	******	******	******	******	0	01/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MAX		******	******	******			WEEKLY RANGE - C	
NICKEL TOTAL RECOVERABLE 01074 1 0 0 Effluent Gross Value	SAMPLE MEASUREMENT	******	0	LBS/DAY	******	******	******	******	0	01/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MAX		******	******	******			ONCE / COMPOS MONTH	
SILVER TOTAL RECOVERABLE 01076 1 0 0 Effluent Gross Value	SAMPLE MEASUREMENT	******	0	LBS/DAY	******	******	******	******	0	01/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MAX		******	******	******			ONCE / GRAB MONTH	
ZINC TOTAL RECOVERABLE 01094 1 0 0 Effluent Gross Value	SAMPLE MEASUREMENT	******	0.11	LBS/DAY	******	******	******	******	0	01/07	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MAX		******	******	******			ONCE / GRAB MONTH	
ALUMINUM TOTAL (AS AL) 01105 1 0 0 Effluent Gross Value	SAMPLE MEASUREMENT	******	0	LBS/DAY	******	******	******	******	0	01/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MAX		******	******	******			CONTINUOUS RCORDR	
CADMIUM TOTAL RECOVERABLE 01113 1 0 0 Effluent Gross Value	SAMPLE MEASUREMENT	******	0	LBS/DAY	******	******	******	******	0	01/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MAX		******	******	******				
LEAD TOTAL RECOVERABLE 01114 1 0 0 Effluent Gross Value	SAMPLE MEASUREMENT	******	0.01	LBS/DAY	******	******	******	******	0	01/07	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MAX		******	******	******				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr.Pittsfield Remediation Programs

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

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

TELEPHONE		DATE		
413	448-5902	2005	12	15
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT 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)*

Form Approved.
OMB No. 2040-0004

MA0003891	009 B
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	11	01	TO	05	11	30

*** NO DISCHARGE [ ] ***

NOTE: Read Instructions before completing this form.

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	0.3	1.0	(26) LBS/DY	******	******	******		0	01/07	CP
00310 V 0 0	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
SEE COMMENTS BELOW											
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	1.8	4.0	(26) LBS/DY	******	******	******		0	01/07	CP
00530 V 0 0	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
SEE COMMENTS BELOW											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.045	0.195	(03) MGD	******	******	******		0	99/99	RC
50050 V 0 0	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTIN UOUS	RECORDR
SEE COMMENTS BELOW											
	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.	M. T. Carroll	413	448-5902	2005	12	15
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)*
SEE PAGE 11 OF PERMIT SEE DMR 0091; SAMPLE AT 09B.

PERMITTEE NAME/ADDRESS *(Includes 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	SUM A
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	11	01	TO	05	11	30

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
CHROMIUM TOTAL RECOVERABLE 01113 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	**** ****		ONCE/ MONTH	COMPOS
COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	**** ****		WEEKLY	COMPOS
CYANIDE, TOTAL RECOVERABLE 78249 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	0.11	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	**** ****		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			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.	M. T. Carroll	413 448-5902	2005	12	15
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)*

Form Approved.
OMB No. 2040-0004

MA0003891	SUM B
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	11	01	TO	05	11	30

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

*** NO DISCHARGE ( ) ***

NOTE: Read instructions before completing this form.

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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.	M. T. Carroll	413 448-5902	2005	12	15
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)*
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.

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

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	SUM C

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

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	10	01	TO	05	12	31

*** NO DISCHARGE | _ | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NOAEL STATRE 48HR AC U.D. PULEX	SAMPLE MEASUREMENT	******	******		100	******	******	(23) %	0	01/30	CP
TDM3D 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT DAILY MN	******	******	PER-CENT		QTRLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	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.

M T Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
413	448-5902	2005	12	15
AREA CODE	NUMBER	YEAR	MO	DAY

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

QUARTERLY WET WEATHER ACUTE. COMPOSITE PROPORTIONATE TO FLOW. SEE DMR SUMB FOR DRY WEATHER TESTING.
SUBMIT THIS DMR WITH A NODI '9' WHEN SUBMITTING DRY WEATHER ON DMR SUMB.

Attachment C

NPDES Biomonitoring Report for December 2005

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

1 Mustard Street, Suite 250 Rochester, NY 14609-6925 (585) 288-5380 ph (585) 288-8475 fax

Columbia Analytical Services INC.
An Employee - Owned Company

January 3, 2006

Mr. Jeffrey Nicholson
GE Corporate Environmental Programs
159 Plastics Avenue
Pittsfield, MA 01201

Re: NPDES Biomonitoring Report for December 2005
Submission #: R2529122

Dear Mr. Nicholson:

Enclosed is our report on the Whole Effluent Toxicity testing conducted in December 2005. The Outfall Composite samples were collected on 12/6/05 at 11:00 am. The Housatonic River samples were collected on 12/6/05 at 7:00 am. The Outfall Composite and Housatonic River samples were analyzed at Columbia Analytical Services for total cyanide, ammonia, total organic carbon, total phosphorus, chloride, total solids, total suspended solids, and total metals. Dissolved metals were analyzed for only on the Outfall Composite samples. Results are presented in Appendix 2. The Outfall Composite and Housatonic River samples were sent directly by General Electric to Aquatec Biological Services for the acute aquatic toxicity testing including the analysis of alkalinity, hardness, specific conductance, pH, total residual chlorine. Results are presented in Appendix 1.

Should you have any questions please contact me at (585)288-5380 x130.

Thank you for allowing us to provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Amy Hentschke
Project Manager

enc.

NPDES BIOMONITORING REPORT

GENERAL ELECTRIC COMPANY
Pittsfield, MA
NPDES PERMIT MA 0003891

Monthly Acute Toxicity Monitoring
Dry Weather Conditions
December 2005

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 _____ _____
(Date) (Authorized Signature)

Michael T. Carroll

General Electric Co. – Pittsfield, MA
Permit MA0003891

Prepared by: A. Hentschke
December 22, 2005

TABLE OF CONTENTS

I. Summary

On December 5-6, 2005 sampling of wastewater discharges from the General Electric Company facility in Pittsfield MA was conducted in accordance with the dry weather toxicity testing requirement of the GE NPDES Permit MA0003891. Composite samples were collected from GE outfalls 001, 005-64G, and 005-64T over a 24-hour period. These composite samples were combined in a flow-proportioned manner to generate a single wastewater sample that was shipped to Aquatec Biological Sciences in Williston, Vermont. A grab sample of Housatonic River water, to be used as dilution water in the toxicity test, was collected upstream of the GE discharges on December 6, 2005 and shipped to AquaTec along with the wastewater composite. AquaTec dechlorinated the composite sample prior to the acute toxicity test following the toxicity reduction procedures summarized in a letter dated November 11, 1993 to EPA Region I from JG Ruebesam of General Electric Company. The composite wastewater sample and the dilution water sample were tested for chemical constituents by Aquatec Biological Sciences and Columbia Analytical Services. The analytical results are summarized in Table I and the detailed laboratory test data are include as Appendices to this report. As a result of land transfer documents executed on April 27, 2005 and recorded in the Berkshire County Registry of Deeds on May 2, 2005, Outfalls 001 and 004 were transferred to the Pittsfield Economic Development Authority (PEDA). Outfalls 001 and 004 DMRs will no longer be submitted under the GE NPDES Permit No. MA0003891. However, GE's NPDES Permit requires that the metal and toxicity composites to be made by compositing samples from the following outfalls: 001, 004, 005, 007, and 009. These two composites will continue to include an aliquot of water from outfall 001 and outfall 004, and will be reported on GE's DMR until further actions by the Agencies.

The results from Aquatec Biological Sciences for the acute toxicity test on the wastewater discharge sample indicated a No Observed Acute Effect Level (NOAEL) of 100%.

II. Review of Toxicity Test Results

The wastewater discharge sample collected on December 5-6, 2005 was tested for 48-hour acute toxicity using Daphnia pulex organisms. The sample did not require dechlorination with sodium thiosulfate ($Na_2S_2O_3$) prior to toxicity testing. Aquatec Biological Sciences reported the results of this toxicity testing as follows:

Effluent toxicity as NOAEL =	100%
Effluent toxicity as LC_{50} =	>100%

This result is in compliance with the toxicity limit of 35% minimum for dry weather NOAEL established in the GE NPDES permit.

The following table summarizes the results of the control sample analyses performed by SGS during the acute toxicity bioassay:

Control Analysis	Result
Survival in 100% dilution water	100%
Survival in laboratory water	100%
Survival in laboratory water with 100 mg/L sodium thiosulfate	100%
LC_{50} for Daphnia pulex in sodium chloride reference toxicant solution	3.69 g NaCl/L December 7

The Daphnia survival rates in control solutions of upstream dilution water, laboratory water and reference toxicant solution were within acceptable limits, indicating that the results of the toxicity test are valid. The survival rate of greater than 90% for the Daphnia in laboratory control water sample indicates that the Daphnia were not stressed prior to the toxicity test.

III. Review of Wastewater Sampling Procedures

Composite samples of the individual NPDES wastewater discharges were collected over a 24-hour period. These samples were composited in a flow-weighted manner to generate a single combined discharge sample for toxicity testing and chemical analysis.

The 24-hour composite samples from the individual discharges were collected as follows:

> Each automatic sampler (at outfall 001, 64T, 64G, and 09B) was programmed to collect approximately 7 liters of wastewater into a 10-liter glass container in a time-proportioned manner over a 24-hour period. Outfalls 004, 007, and 09A have been plugged and no longer flow.
>
> All sample containers were packed in ice or refrigerated to keep the wastewater samples cold during the 24-hour collection period.
>
> Flow meter readings were taken at the beginning and end of the 24-hour collection period to determine the total 24-hour flow for each wastewater discharge.

At the end of the 24-hour collection period, the discharge samples were taken to Building 64G where OB&G personnel composited these samples, in a flow weighted manner, to generate a single combined sample for the acute toxicity test and the chemical analyses, as follows:

The proportions of each individual discharge sample needed to produce a single combined sample were calculated from the flow measurements. The calculated sample volumes were then transferred from their original collection containers to a 2.5 or 5 gallon mixing container. The combined discharge sample was then split into various containers for toxicity testing and chemical analyses. These containers were shipped by vendor courier to AquaTec for toxicity testing and by FedEx (overnight) to Columbia Analytical Services for chemical analyses. All samples were chilled with ice packs during shipment.

A grab sample of Housatonic River water was collected on the second day of sampling at the Lyman Road Bridge in Hinsdale, MA, upstream of the GE site. This sample was split for chemical analysis and toxicity testing in a similar manner as the combined effluent sample (see above).

Details of the times and dates of sample collection as well as the names of the individuals collecting and transporting the samples are provided on the chain of custody forms in Appendix 3 of this report.

IV. Review of Individual NPDES Discharges

The following is a brief description of each of the seven outfalls that are monitored for acute and chronic toxicity in accordance with NPDES Permit MA0003891 issued to the General Electric Company, Pittsfield, MA.

1. Outfall 001 is permitted to discharge storm water runoff from the oil/water separator in Building 31W to Silver Lake.

2. Outfall 004 is permitted to discharge storm water runoff to Silver Lake. **(Outfall plugged)**

3. Outfall 005 is permitted to discharge contact cooling water, non-contact cooling water, treated process water and storm water runoff from the Wastewater Treatment Plant in Building 64T, and treated groundwater from the Groundwater Treatment Plant in Building 64G to the Housatonic River. Monitoring samples are collected sepatately from the effluents of 64G and 64T. Both samples are included in the flow composite sample used for toxicity testing.

4. Outfall 007 is permitted to discharge stormwater runoff to the Housatonic River. **(Outfall plugged)**

5. Outfall 09A is permitted to discharge non-contact cooling water and stormwater runoff to Unkamet Brook. **(Outfall plugged)**

6. Outfall 09B is permitted to discharge non-contact cooling water, treated process water and stormwater runoff from the oil/water separator in Building 119W to Unkamet Brook.

Table I – Summary of Analytical results for

NPDES Outfall Composite Sample and Housatonic River Dilution Water
December 5-6, 2005

Aquatic Toxicity Results:	No Observed Effect Level (NOAEL) =	100%
	LC50 =	>100%

Chemical Analyses: (all results are mg/L unless otherwise indicated)

Parameter Tested	Laboratory	Effluent Composite	Housatonic River
Total Organic Carbon	CAS	8.16	4.60
Total Phosphorus	CAS	ND (0.05)	ND (0.05)
Total Solids	CAS	1560	71.0
TSS	CAS	2.90	ND (1.03)
Chloride	CAS	729	10.7
Hardness	Aquatec	390	42
Total Alkalinity	Aquatec	356	36
Spec. Conductance (umhos)	Aquatec	2890	127
Ammonia	CAS	0.300	ND (0.05)
pH (SU)	Aquatec	8.1	7.4
TRC (start of toxicity test)	Aquatec	ND	ND
Cyanide	CAS	0.0529	ND (0.01)
Copper, total	CAS	ND (0.005)	ND (0.005)
Copper, dissolved	CAS	ND (0.005)	
Lead, total	CAS	0.0035	0.003
Lead, dissolved	CAS	0.0021	
Zinc, total	CAS	0.0104	0.003
Zinc, dissolved	CAS	0.0146	
Cadmium, total	CAS	ND (0.0004)	ND (0.0004)
Cadmium, dissolved	CAS	ND (0.0004)	
Chromium, total	CAS	0.0013	ND (0.0001)
Chromium, dissolved	CAS	0.0097	
Nickel, total	CAS	ND (0.001)	ND (0.001)
Nickel, dissolved	CAS	ND (0.001)	
Silver, total	CAS	ND (0.001)	ND (0.001)
Silver, dissolved	CAS	ND (0.001)	
Aluminum, total	CAS	0.058	0.059
Aluminum, dissolved	CAS	0.045	
pH (SU)	OB&G	7.85	7.13
Hardness	Aquatec	390	42

ND – Not detected, Number in parentheses is detection limit. All results are mg/L unless indicated.
NA – Not analyzed

APPENDIX 1

Chemical and Acute Toxicity Data

Aquatec Biological Sciences

Whole Effluent Toxicity Testing
Of Wastewaters Discharged from
The General Electric Plant
Pittsfield, Massachusetts

Samples Collected in December 2005

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

SDG number: 9246

Effluent sample ID: A6960C Aquatec sample number: 31177
Receiving water sample ID: A6959R Aquatec sample number: 31178

Study Director: John Williams

December 23, 2005

Submitted by:
Aquatec Biological Sciences, Inc.
273 Commerce Street
Williston, Vermont 05454
Phone: (802) 860-1638 Fax: (802) 860-1638

Accreditation: NH Environmental Laboratory Accreditation Program
NELAP / NELAC accredited for the requested analysis.

Signatures and Approval

Submitted by:

Aquatec Biological Sciences, Inc.
273 Commerce Street
Williston, Vermont 05454
Phone: (802) 860-1638
Fax: (802) 860-1638

Study Director
John Williams

12/23/05
Date

Quality Assurance Officer
Philip C. Downey, Ph. D.

12/30/05
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: Date: 12/30/05

Authorized signature

John Williams
Name

Manager, Environmental Toxicology
Title

Aquatec Biological Sciences, Inc.
Laboratory

Table of Contents

List of Tables

Summary
of
Static Acute Toxicity Test with *Daphnia pulex*

Sponsor:	General Electric
Protocol title:	US EPA-821-R-02-012. *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, 5th Ed., October 2002. Method 2021.0
Aquatec SDG:	9246
Test material:	Composite effluent from the General Electric Company located in Pittsfield, Massachusetts
GE sample ID:	A6960C
Dilution water:	Water from the Housatonic River (grab sample)
GE sample ID:	A6959R
Dates collected:	December 6, 2005
Date received:	December 6, 2005
Test dates:	December 7 to December 9, 2005
Test concentrations:	100%, 75%, 50%, 35%, 15%, 5% effluent. Dilution water control (Housatonic River) Laboratory control 1 (culture water) Laboratory control 2 (culture water with sodium thiosulfate)
Results:	The 48-hour LC50 value was determined to be >100% effluent. The Acute No-Observed-Effect-Concentration (A-NOEC) was 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 wastewater and municipal sewage point source discharges. EPA defines point sources as discrete discharges via pipes or man-made ditches.

In 1984, the U.S. Environmental Protection Agency (EPA) released a national policy statement and a supporting document that recommended, where appropriate, effluent permit limits should be based on effluent toxicity as measured in aquatic toxicity tests. Generally, permits require that no toxic discharge occur in toxic amounts. The routine use of dilution-series toxicity tests and/or biologically-based criteria (i.e., invertebrate and vertebrate community studies) have become increasingly utilized to calculate or estimate the potential toxicity of a discharge.

EPA has the authority to delegate primary responsibility for the implementation, permitting, and enforcement of NPDES regulations to appropriate State regulatory agencies. Even when EPA delegates this authority to the states, EPA still maintains oversight responsibility.

1.2 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 to the Housatonic River. The water flea, *Daphnia pulex* , is exposed to effluent and dilutions of effluent under static conditions. *Daphnia pulex* is routinely used by regulatory agencies and by contract laboratories for toxicity testing and EPA has published guidance documents for the performance of this test (U.S. EPA, 2002).

A toxicity test was conducted from December 7 to December 9, 2005 at Aquatec Biological Sciences, Inc. (Aquatec) located in Williston Vermont. Aquatec Biological Sciences, Inc. holds NELAC accreditation for the requested whole effluent toxicity test. All original raw data and the final report produced for this study are stored in Aquatec's archives in Williston, Vermont.

2.0 Materials and Methods

2.1 Protocol

Procedures used in this acute toxicity test followed those described in the Aquatec Standard Operating Procedure (SOP) TOX2-001, Daphnid Acute R4, August 9, 2005. This SOP generally follows the standard methodology presented in U.S. EPA. 2002 (EPA-821-R-02-012. *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine*

Organisms, 5th Ed., October 2002, Method 2021.0 (as summarized in Appendix 2 of this report). A copy of the SOP is located in Appendix 6 (Controlled document, please do not copy or distribute.)

Additional SOPs used in this study are outlined below:

Title	SOP Number	Revision Date
Sample Acceptance	TOX1-017	Rev. 4, February, 2004
Hardness – total titrimetric method	TOX1-011	Rev. 3, May 2003
Alkalinity – total titrimetric method	TOX1-010	Rev. 6, April 2004
Thermo-Orion 145 A+ Conductivity Meter	TOX1-016	Rev. 1, April 2004
Dissolved oxygen	TOX1-006	Rev. 7, April 2004
pH measurement	TOX1-007	Rev. 2, April 2004
Salinity: refraction method	TOX1-008	Rev. 3, January, 2003

2.2 Effluent and Receiving Water Samples

The effluent sample (A6960C) was collected by GE personnel from December 5 to December 6, 2005. The receiving water sample was a grab collected from the Housatonic River on December 6, 2005. Samples were delivered to Aquatec on the same day. Upon receipt at Aquatec on December 6, 2005, the temperature of the temperature blank contained within the cooler was 3.9°C. The effluent and receiving water were prepared for testing and characterized (Table 1). The receiving water was the dilution water for preparing effluent concentrations and was also the reference control for statistical comparisons.

2.3 Control water

Laboratory control water for the toxicity test was a 1:1 mixture of laboratory reconstituted moderately hard water and 60-micron filtered river water collected from the Lamoille River, Vermont. This water was characterized for the following parameters: pH (7.4); dissolved oxygen (8.9 mg/L); conductivity (220 uS/cm). An additional dechlorination control (laboratory water with 0.2 N sodium thiosulfate added) was included in the test array, even though chlorine was not detected in the effluent sample.

2.4 Test Organism

Daphnids (*Daphnia pulex*), less than 24-hours old were obtained from Aquatec laboratory cultures. The culture system consisted of several 1-liter glass beakers containing approximately 1-liter of culture medium and up to 100 daphnids. The culture water was laboratory reconstituted moderately hard water. Prior to use, the culture water was characterized:

Parameter	Result
Total hardness (mg/L)	Within range of 80-110 mg/L
Alkalinity (mg/L as $CaCO_3$)	Within range of 60-70 mg/L
pH	Nominal 7.7 – 8.0

The culture area was maintained at a nominal temperature of 20°C (range 19 – 21 °C) with a regulated photoperiod of 16 hours light and 8 hours of darkness.

Daphnid cultures were fed a combination of green algae (*Selenastrum capricornutum*) and YCT obtained from Aquatic BioSystems of Fort Collins, Colorado. The cultures were fed a ration of *Selenastrum* and YCT daily Monday through Friday. Daphnids were transferred to new culture medium weekly.

Approximately 24 hours before toxicity test initiation, all daphnid neonates were removed from the culture beakers. Offspring produced within 24 hours were used for toxicity testing.

2.5 Test Procedures

Prior to initiating the toxicity test, a sub-sample of effluent and receiving water was decanted for subsequent alkalinity and hardness determination. A sub-sample was also check for presence of chlorine to determine whether dechlorination of effluent is required. Chlorine was not detected, therefore dechlorination of the effluent was not required. The sample was then aerated and warmed to test temperature.

The toxicity test was conducted at effluent 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 400 mL. Test solutions were then decanted to five replicate 30-mL cups per concentration, each containing approximately 20 mL of test solution. Three sets of control replicates were also included in the test array, set up as the effluent replicates. The controls included: Housatonic River water (dilution control), a laboratory control (a mix of moderately hard water and Lamoille River, VT water), and a laboratory control with sodium thiosulfate added (dechlorination control). The dechlorination control was included in the test array even though residual chlorine was not detected in the effluent.

Prior to testing, daphnids less than 24-hours old were collected from the cultures, pooled in Carolina bowl, and fed. The test was initiated when the daphnid neonates were transferred to the replicate test cups, five daphnids per cup. The toxicity test cups were incubated to maintain temperature in the range of 19°C to 21 °C. The lighting cycle was 16 hours light and eight hours dark and a luminance of approximately 80 ft-c.

2.6 Test Monitoring

The number of surviving daphnids was observed at approximately 24-hour intervals during the test, with the final count of surviving daphnids at approximately 48 hours. Temperature was measured daily in one replicate of each test treatment. The parameters of pH, dissolved oxygen, and conductivity were measured at the beginning and the end of the test.

Total hardness was measured by the EDTA titrimetric method and total alkalinity was measured by potentiometric titration to an endpoint of 4.5. The check for residual chlorine was performed with an acidified sample to which potassium iodide and starch indicator added. If chlorine was detected, the color was titrated away with 0.02 N sodium thiosulfate to determine the equivalent volume of 0.2 N sodium thiosulfate to add to effluent (if needed).

Dissolved oxygen was measured with a YSI Model 58 dissolved oxygen meter. A Beckman Phi 40 was used to measure pH. A Thermo-Orion Model 145 conductivity meter was used to measure conductivity. Salinity was measured with an Atago salinity refractometer.

2.7 Reference Toxicant Test

A 48-hour standard reference toxicant (SRT) test was conducted concurrently with the effluent toxicity test. The SRT test was conducted as a quality control procedure to establish the health and sensitivity of the test organisms. The SRT included four concentrations of reagent grade sodium chloride (NaCl) with nominal concentrations of 0.75, 1.5, 3.0, 6.0, and 12 g NaCl/L. Four test replicates, each containing five daphnid neonates were test at each concentration and the laboratory control.

3.0 Statistics

3.1 Statistical protocol

The concentration-response relationships observed were characterized by the median lethal concentration (LC50), which was the calculated concentration lethal to 50 percent of the test organisms. If no concentrations resulted in 50% mortality, the LC50 was reported as greater than the highest concentration effluent (in this case >100% effluent), by direct observation. If greater than 50 percent mortality was observed in any effluent treatment, then a computer program (TOXIS2) was used to calculate the LC50 value, following the U.S. EPA statistical flowchart (Appendix 3).

The Acute-No-Observable-Effect Concentration (A-NOEC) was determined statistically using multiple comparison tests (TOXIS2), with the receiving water control as the reference.

4.0 Results

4.1 Effluent Toxicity Test

Results of effluent and receiving water characterizations performed at Aquatec as part of the toxicity test are presented in Table 1. Water quality parameters measured during the toxicity test are presented in Table 2. Measured temperatures during the test were within the range of 19°C to 21°C. The percent mortality data for the toxicity test are presented in Table 3. Acute toxicity was not

demonstrated during this evaluation. The 48-hour LC50 value was >100% effluent. The A-NOEC was 100% effluent.

4.2 Reference Toxicant Test

A standard reference toxicant (SRT) test was performed concurrently with the effluent toxicity test, using the same batch of daphnid neonates. The resulting 48-hour LC50, calculated by the Spearman-Karber method, was 3.69 g NaCl/L with 95% confidence intervals of 3.26 – 4.18 g/L. This LC50 value was within the Control Chart limits generated for tests in our laboratory.

5.0 Qualifiers

5.1 Qualifiers and Special Conditions

To the best of our knowledge, there were no special conditions or qualifiers that relate to the samples tested for this report.

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, 2002. 5th Edition. *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*. EPA-821-R-02-012.

Table 1. Results of the characterization of the General Electric Pittsfield Plant effluent and receiving water (Housatonic River).

Parameter	Effluent A6960C	Housatonic River A6959R
Temperature	19.2	19.0
pH	8.1	7.4
Alkalinity (as $CaCO_3$), mg/L	356	36
Hardness (as $CaCO_3$), mg/L	390	42
Dissolved oxygen, mg/L	8.9	8.6
Specific conductivity, uS/cm	2890	127
Salinity ($^o/_{oo}$)	2	0
Total residual chlorine (mg/L)	ND	ND

Note: Characterizations reflect conditions of sample after preparation for the toxicity test. ND = not detected

Table 2. Water quality measurements recorded during the 48-hour static toxicity test with Daphnia pulex exposed to General Electric Pittsfield Plant effluent, December 7 – 9, 2005

Test Concentration (% effluent)	pH			Dissolved Oxygen (mg/L)			Temperature (°C)		
	0	24	48	0	24	48	0	24	48
Dechl. Control	7.5	-	7.6	8.8	-	9.1	21.0	20.0	20.3
Lab Control	7.4	-	7.6	8.9	-	9.1	21.0	20.3	20.6
Dilution Control	7.4	-	7.4	8.6	-	9.1	19.0	20.0	20.0
5%	7.5	-	7.5	8.8	-	9.2	19.2	20.1	20.1
15%	7.8	-	7.8	8.9	-	9.2	19.2	20.2	20.1
35%	8.0	-	8.1	8.9	-	9.2	19.3	20.2	20.2
50%	8.1	-	8.3	8.9	-	9.1	19.4	20.4	20.4
75%	8.1	-	8.3	8.9	-	9.2	19.3	20.2	20.1
100%	8.1	-	8.3	8.9	-	9.1	19.2	20.1	20.2

Measurements at time 0 were from a sub-sample of the prepared treatment. Measurements at time 48 were from the combined water from all replicates for each treatment.

Dechl. Control = laboratory water with sodium thiosulfate added (dechlorination control).
Lab Control = a mix of natural river water and moderately hard water.
Dilution Control = receiving water (Housatonic River).

Table 3. Cumulative percent mortalities recorded during the 48-hour static acute toxicity test with *Daphnia pulex* exposed to General Electric Pittsfield Plant effluent, December 7 – 9, 2005.

Effluent Conc. (%)	24-hour						48-hour					
	A	B	C	D	E	Avg	A	B	C	D	E	Avg
Dechl. Control	0	0	0	0	0	0	0	0	0	0	0	0
Lab Control	0	0	0	0	0	0	0	0	0	0	0	0
Rec. Control	0	0	0	0	0	0	0	0	0	0	0	0
5%	0	0	0	0	0	0	0	0	0	0	0	0
15%	0	0	0	0	0	0	0	0	0	0	0	0
35%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
75%	0	0	0	0	0	0	0	0	0	0	0	0
100%	0	0	0	0	0	0	0	0	0	0	0	0

Dechl. Control = laboratory water with sodium thiosulfate added (dechlorination control).
Lab Control = a mix of natural river water and moderately hard water.
Dilution Control = receiving water (Housatonic River).

Appendix 1
Chain-of-Custody Documentation

Aquatec Biological Sciences

Chain-of-Custody Record

273 Commerce Street
Williston, VT 05495
TEL: (802) 860-1638
FAX: (802) 658-3189

COMPANY INFORMATION	COMPANY'S PROJECT INFORMATION	SHIPPING INFORMATION
Name: General Electric Company	Project Name: GE PITTSFIELD	Carrier:
Address: O'Brien & Gere	**Outfall Composite**	
1000 East Street, Gate 64	Project Number: 05069	Airbill Number:
City/State/Zip: Pittsfield, MA 01201	Sampler Name(s):	
Telephone: (413) 494-6709	Mark Wasnewsky & GECO	Date Shipped: 12-6-05
Facsimile:		
Contact Name: Mark Wasnewsky	Quote #: 10/05 Client Code: ~~COLUMB~~	Hand Delivered: ☐ Yes ☐ No

VOLUME/CONTAINER TYPE/ PRESERVATIVE					
4°C	4°C	4°C H_2SO_4	4°C H_2SO_4	4°C	4°C HNO_3
Plastic	Plastic	Plastic	Glass	Amber Glass	Plastic
1 gal	1/2 gal	1 L	40 ml	250 ml	0.5 L

SAMPLE IDENTIFICATION	COLLECTION DATE	COLLECTION TIME	GRAB	COMPOSITE	MATRIX	ANALYSIS (detection limits, mg/L)	NUMBER OF CONTAINERS
Outfall Composite A6960C	12-6-05	11:00 AM		✓	Effluent	*Daphnia pulex* 48-h Static Acute Toxicity (EPA Method 2021.0). Log in for A48DPS	1
Outfall Composite A6960C	↓	11:00 AM		✓	Effluent	Total Residual Chlorine	1
Housatonic River A6959R	↓	8:15 AM	✓		Receiving	Dilution Water	1
Housatonic River A6959R	↓	8:15 AM	✓		Receiving	Total Residual Chlorine	1

Relinquished by: *(signature)*	DATE	TIME	Received by: *(signature)*
Mark Wasnewsky	12-6-05	1140	FEDEX
Relinquished by: *(signature)*	DATE	TIME	Received by: *(signature)*
	12/6/05	15:30	Aquatec.
Relinquished by: *(signature)*	DATE	TIME	Received by: *(signature)*

NOTES TO SAMPLER(S): (1): Complete the labels (Date, time, initials) and cover the labels with clear tape. Tape the caps of the sample bottles to ensure that they do not become dislodged during shipment. Nest the samples in sufficient ice to maintain 0°C – 6°C. Results for samples received at temperatures exceeding 6°C will be qualified in the report.

Notes to Lab: Ambient cooler temperature: 3.9 °C. Dechlorinate the effluent sample if chlorine is detected. Subsample for TRC analysis to STL.

Appendix 2
Summary of Test Conditions

Client: GENERAL ELECTRIC, PITTSFIELD, MA, MA0003891 **SDG: 9246**

Test Description: Daphnid, *Daphnia pulex*, acute toxicity test

ASSOCIATED PROTOCOL: EPA 2002, 5th ed. (EPA-821-R-02-012) *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, **Method 2002.0**

1. Test type:	Static, non-renewal
2. Test temperature:	20 ± 1°C
3. Light quality:	Ambient laboratory illumination
4. Photoperiod:	16 hr. light, 8 hr. dark
5. Test chamber size:	30 ml
6. Test solution volume:	15-20 ml / replicate
7. Renewal of test concentrations:	None
8. Age of test organisms:	Less than 24 h
9. No. organisms / test chamber:	5
10. No. of replicate chambers / concentration:	5
11. No. of organisms / concentration:	20
12. Feeding regime:	Feed 0.1 ml of YTC and algal suspension prior to testing. Not fed during test.
13. Cleaning:	None
14. Aeration:	None
15. Dilution water:	Receiving Water (Housatonic River)
16. Test concentrations:	5, 15, 35, 50, 75, 100%
17. Laboratory control:	1:1 mix of reconstituted moderately hard water and Lamoille River water. Dechlorination control.
18. Test duration:	48 h
19. Monitoring:	Day 0: temperature, DO, pH, and conductivity. Day 1: temperature, DO, pH, and conductivity. Day 2: temperature, DO, pH Hardness, alkalinity, salinity, TRC Biological monitoring daily (survival)
19. End points:	Survival
20. Reference toxicant test:	Sodium chloride 48-h LC50
21. Test acceptability	90% or greater
22. Data interpretation:	Acute: 48 h LC50 (Point estimate by EPA statistical flowchart using TOXIS 2) and A-NOEC by hypothesis test statistics compared to the receiving water control (EPA statistical flowchart using TOXIS 2)

Appendix 3
U.S. EPA Region 1 Toxicity Test Summary and Statistical Flow Chart

Aquatec Biological Sciences SDG: 9246

TOXICITY TEST SUMMARY SHEET

Facility Name: Outfall Composite A6960C Test Start Date 12/7/2005

NPDES Permit Number: MA0003891 Pipe Number: 001

Test Type	Test Species	Sample Type	Sampling Method
Acute	Daphnia pulex	Effluent	Composite

Dilution Water: Housatonic River

Receiving Water: Housatonic River

Effluent Sampling Dates: 12/6/05

Concentrations Tested: 0 5 15 35 50 75 100 Control Permit Limit: NA

Was Effluent Salinity Adjusted? NA If yes, to what value?

With Sea Salts? Hypersaline Brine Solution?

Actual effluent concentrations tested after salinity adjustment in percent: Same as above

Reference Toxicant Date: 12/7/05

PERMIT LIMITS and TEST RESULTS

Test Acceptability Criteria

Mean Control Surival: 100 (%)

	Limits (%)		Results (%)
LC50	NA	48-Hour LC50	>100
		Upper Value	
		Lower Value	
		Data Analysis Method	Direct Observation
A-NOEC		48-Hour A-NOEC	100
C-NOEC		C-NOEC	
		LOEC	
IC25		IC25	
IC50		IC50	

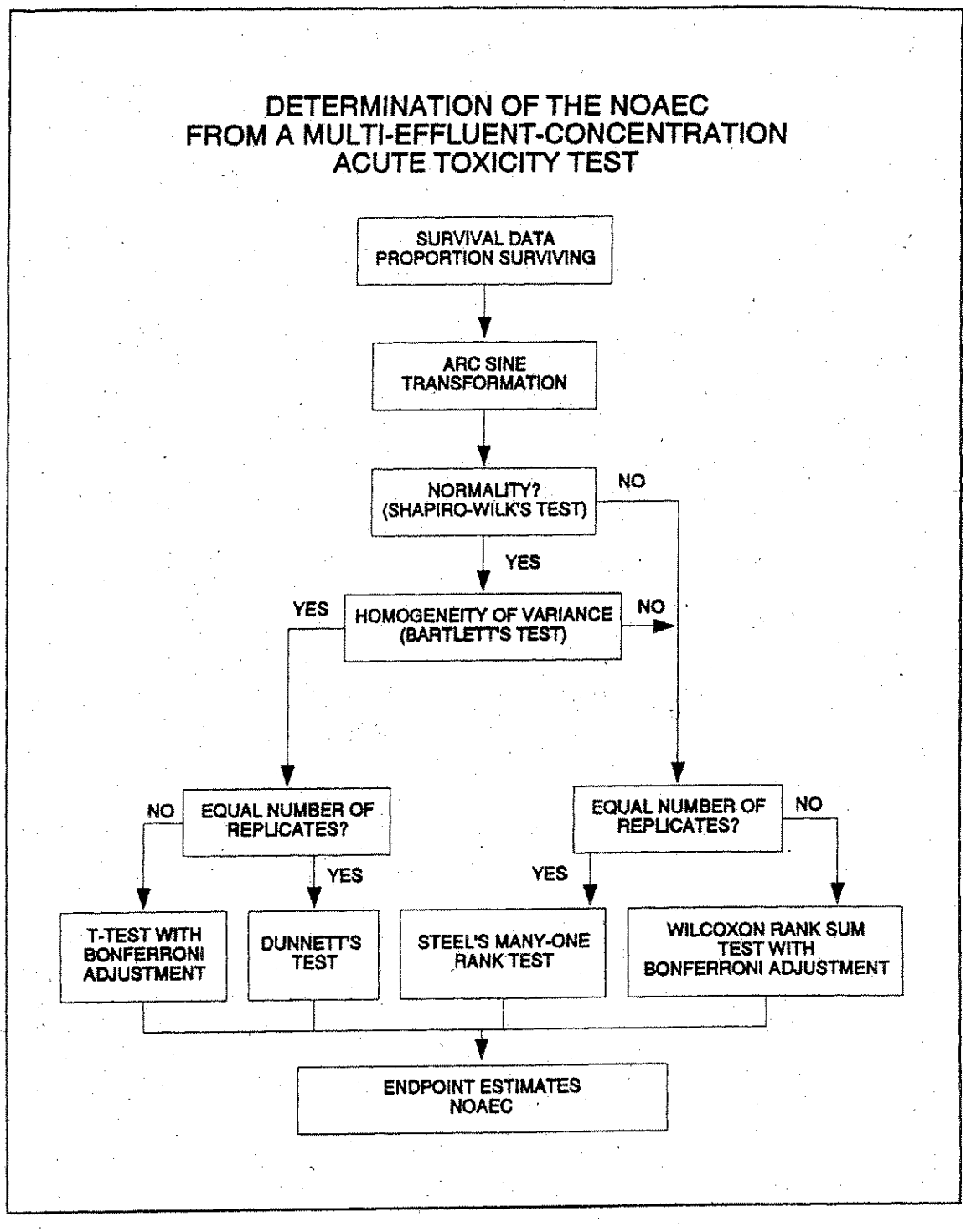


Figure 13. Flowchart for analysis of multi-effluent-concentration test data.

Appendix 4
Bench Data, *Daphnia pulex* Acute Toxicity Test

Aquatec Biological Sciences, Inc.

Test Date: 12/07/05
Sample Date: 12/06/05
Species: Daphnia pulex
Test Type: Acute - 48 hours

Test Number: 46584
Test Material: Effluent - Industrial %
Source: MA0003891
General Electric Company
Pittsfield, MA

SUMMARY

End Point	Day	Transformation		Conc		#Reps	Mean	StDev	% Surv
Proportion Alive	2	Arc sine sqrt w/ adj.							
				0.000	B	5	1.35	0.000	
			X	0.000	D	5	1.35	0.000	
			X	5.000	D	5	1.35	0.000	
			X	15.000	D	5	1.35	0.000	
			X	35.000	D	5	1.35	0.000	
			X	50.000	D	5	1.35	0.000	
			X	75.000	D	5	1.35	0.000	
			X	100.000	D	5	1.35	0.000	
Proportion Alive	2	No transformation							
				0.000	B	5	1.00	0.000	
				0.000	D	5	1.00	0.000	
				5.000	D	5	1.00	0.000	
				15.000	D	5	1.00	0.000	
				35.000	D	5	1.00	0.000	
				50.000	D	5	1.00	0.000	
				75.000	D	5	1.00	0.000	
				100.000	D	5	1.00	0.000	

X = indicates concentrations used in calculations

- HYPOTHESIS TEST -

End Point	Day	Transformation/Analysis	NOEC	LOEC	TU	MSE	MSD
Proportion Alive	2	Arc sine sqrt w/ adj. Dunnett + t-test					

LC50 >100% (direct observation)

Aquatec Biological Sciences, Inc.

WATER FLEA TEST DATA

Test Number: 46584 ( ) Chronic (x) Acute 48 hours
Test Date: 7-Dec-05
Source: MA0003891 Test Material: EFF2 (%)

Conc	Rep	Cont. No.	Sex	Start	Daily Survival 1	2	3	4	5	6	End	Prop Alive	Total Young	Max Young
0.00 B	1		F	5		5						1.00		
0.00 B	2		F	5		5						1.00		
0.00 B	3		F	5		5						1.00		
0.00 B	4		F	5		5						1.00		
0.00 B	5		F	5		5						1.00		
0.00 D	1		F	5		5						1.00		
0.00 D	2		F	5		5						1.00		
0.00 D	3		F	5		5						1.00		
0.00 D	4		F	5		5						1.00		
0.00 D	5		F	5		5						1.00		
5.00 D	1		F	5		5						1.00		
5.00 D	2		F	5		5						1.00		
5.00 D	3		F	5		5						1.00		
5.00 D	4		F	5		5						1.00		
5.00 D	5		F	5		5						1.00		
15.00 D	1		F	5		5						1.00		
15.00 D	2		F	5		5						1.00		
15.00 D	3		F	5		5						1.00		
15.00 D	4		F	5		5						1.00		
15.00 D	5		F	5		5						1.00		
35.00 D	1		F	5		5						1.00		
35.00 D	2		F	5		5						1.00		
35.00 D	3		F	5		5						1.00		
35.00 D	4		F	5		5						1.00		
35.00 D	5		F	5		5						1.00		
50.00 D	1		F	5		5						1.00		
50.00 D	2		F	5		5						1.00		
50.00 D	3		F	5		5						1.00		
50.00 D	4		F	5		5						1.00		
50.00 D	5		F	5		5						1.00		
75.00 D	1		F	5		5						1.00		
75.00 D	2		F	5		5						1.00		
75.00 D	3		F	5		5						1.00		
75.00 D	4		F	5		5						1.00		
75.00 D	5		F	5		5						1.00		
100.00 D	1		F	5		5						1.00		
100.00 D	2		F	5		5						1.00		
100.00 D	3		F	5		5						1.00		
100.00 D	4		F	5		5						1.00		
100.00 D	5		F	5		5						1.00		

QCV KS
12/20/05

Client: GENERAL ELECTRIC, PITTSFIELD, MA Test #: 46584 SDG: 9246
MA0003891
Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test

SURVIVAL DATA, SAMPLE 31177

Treatment (%)		Day 0	Day 1 # Surviving	Day 2 # Surviving
Rec.	A	5	5	5
Water	B	5	5	5
Contr	C	5	5	5
	D	5	5	5
	E	5	5	5
5.0	A	5	5	5
	B	5	5	5
	C	5	5	5
	D	5	5	5
	E	5	5	5
15	A	5	5	5
	B	5	5	5
	C	5	5	5
	D	5	5	5
	E	5	5	5
35	A	5	5	5
	B	5	5	5
	C	5	5	5
	D	5	5	5
	E	5	5	5
50	A	5	5	5
	B	5	5	5
	C	5	5	5
	D	5	5	5
	E	5	5	5
75	A	5	5	5
	B	5	5	5
	C	5	5	5
	D	5	5	5
	E	5	5	5
100	A	5	5	5
	B	5	5	5
	C	5	5	5
	D	5	5	5
	E	5	5	5
Sample #		31177		
I/D/T		KS 12/7/05 10:30	KS 12/8/05 10:35	KS 12/9/05 10:35

Aquatec Biological Sciences, Inc. Williston Vermont
Reviewed by: _____ Date: 12/22/05

Client: GENERAL ELECTRIC, PITTSFIELD, MA Test #: 46584 SDG: 9246
MA0003891
Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test

SURVIVAL DATA, LAB CONTROL AND DECHLORINATION CONTROL

Treatment (%)		Day 0	Day 1 # Surviving	Day 2 # Surviving
Lab	A	5	5	5
Contr	B	5	5	5
	C	5	5	5
	D	5	5	5
	E	5	5	5
Dechlor.	A	5	5	5
Control	B	5	5	5
	C	5	5	5
	D	5	5	5
	E	5	5	5
I/D/T		KS 12/7 10:15	KS 12/8/05 10:30	KS 12/9/05 10:30

Note: Residual chlorine was not detected in the effluent sample, therefore sodium thiosulfate was not added to the effluent before toxicity testing. Although chlorine was not detected, an additional dechlorination control (0.1 mL of 0.25 N sodium thiosulfate per liter of moderately hard / Lamoille River water) was included in the test array.

Daphnia pulex Culture Log

CULTURE ID	WATER RENEWAL?	FED (MWF *Sel*/YCT TuTh *Sel*)	CLEARED OF NEONATES? (TIME)	TEMP. (°C)	DATE	INIT.
11/22, 11/9 A,B,C	—	Sel	—	—	11-27-05	KS
11/22	split into 3 cultures - A,B,C	Sel/YC	—	20.5	11-28-05	KS
11/9 A	✓	⊥	9:00 ✓	⊥	⊥	⊥
11/9 & 11/28 A,B,C	—	Sel	—	—	11-29-05	KS
11/9 + 11/28 A,B,C	✓	YC/Sel	9:30 ✓	—	11-30-05	KS
All	—	Sel	—	—	12-1-05	KS
11/9 + 11/28 A,B,C	✓	YC/Sel	—	20.5°C	12-2-05	JG
11/9 + 11/28 A,B,C	—	YC/Sel	—	—	12-3-05	JG
All	—	Sel	—	—	12-4-05	KS
11/9+ 11/28 A,B,C	✓	YC/Sel	✓ 10:25	21.1°C	12-5-05	KS
⊥	✓	⊥	✓ 13:00	—	12-6-05	⊥
11/9	—	YC/Sel	—	—	12-7-05	KS
11/28 A,B,C	collected neonates	⊥	9:50 ✓	—	⊥	⊥

11/9 B,C dumped

Client: GENERAL ELECTRIC, PITTSFIELD, MA Test #: 46584 SDG: 9246
MA0003891 OUTFALL 001
Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test

Treatment (%)	Parameter	Day 0	Day 1	Day 2
Lab Contr	pH	7.4		7.6
	DO	8.9		9.1
	Temp	21.0	20.3	20.6
	Cond.	220	--	264
Dechlorination Control	pH	7.5		7.6
	DO	8.8		9.1
	Temp	21.0	20.0	20.3
	Cond.	220	--	240
Rec. Water Contr	pH	7.4		7.4
	DO	8.6		9.1
	Temp	19.0	20.0	20.0
	Cond.	127	--	151
5.0	pH	7.5		7.5
	DO	8.8		9.2
	Temp	19.2	20.1	20.1
	Cond.	282	--	303
15	pH	7.8		7.8
	DO	8.9		9.2
	Temp	19.2	20.2	20.1
	Cond.	583	--	592
35	pH	8.0		8.1
	DO	8.9		9.2
	Temp	19.3	20.2	20.2
	Cond.	1156	--	1127
50	pH	8.1		8.3
	DO	8.9		9.1
	Temp	19.4	20.4	20.4
	Cond.	1576	--	1532
75	pH	8.1		8.3
	DO	8.9		9.2
	Temp	19.3	20.2	20.1
	Cond.	2250	--	2180
100	pH	8.1		8.3
	DO	8.9		9.1
	Temp	19.2	20.1	20.2
	Cond.	2890	--	2690
Sample #		31177	31177	31177
I/D (2005)		KS 12/7	KS 12/8	KS 12/9

Aquatec Biological Sciences, Inc. Williston Vermont
Reviewed by: _____ Date: 12/22/05

Alkalinity and Hardness Worksheet

				Alkalinity						Hardness					
Sample Identifier	LIMS Identifier	Sub ID Code	Sampling Date	Sample Volume	Initial Titrant (ml)	Final Titrant (ml)	Analyst	Analysis Date	Alkalinity	Sample Volume	Initial Titrant (ml)	Final Titrant (ml)	Analyst	Analysis Date	Hardness
31177	Outfall Composite		12/7/05	25	25.3	34.2	KS	12/8/05	356.0	50	20.4	39.9	KS	12/7/05	390.0
31178	Housatonic River A		12/7/05	25	34.2	35.1	KS	12/8/05	36.0	50	39.9	42	KS	12/7/05	42.0

12/22/05

Sample Preparation

Client: GENERAL ELECTRIC, PITTSFIELD, MA MA0003891	**SDG: 9246**
Test Description: *Daphnia pulex* acute toxicity test.	**Test #: 46584**

Sample Identification:

Sample Description	Rec. Water (Housatonic River)	Effluent		
Sample #	31178	31177		

Sample Preparation:

Filtration	60 micron	60 micron	60 micron	60 micron
Chlorine [1]	ND	ND		
Dechlorine [2]	—	—		
Salinity (o/oo)	0 ‰	2 ‰		
Prepared by (Init./date)	KS 12-7-05			

[1] Record vol. 0.025 N sodium thiosulfate to dechorinate 100 mL sample or record "ND" (not detected).
[2] Dechlorination required if detected. Record vol. 0.25 N sodium thiosulfate added per gallon effluent.

Dilution Plan for: *Daphnia pulex* static acute toxicity test

Receiving water is the dilution water
Lab Control = moderately hard water / Lamoille River 1:1 mix
Dechlorination Control = moderately hard water / Lamoille River 1:1 mix + sodium thiosulfate

Concentration (%)	Volume Effluent (mL)	Volume Diluent (mL)	Total Volume (mL)
Laboratory Control	0	400	400
Thiosulfate Control	0	400	400
Rec. Water Control	0	400	400
5.0	20	380	400
15	60	340	400
35	140	260	400
50	200	200	400
75	300	100	400
100	400	0	400
Total Volume	1120	1680	

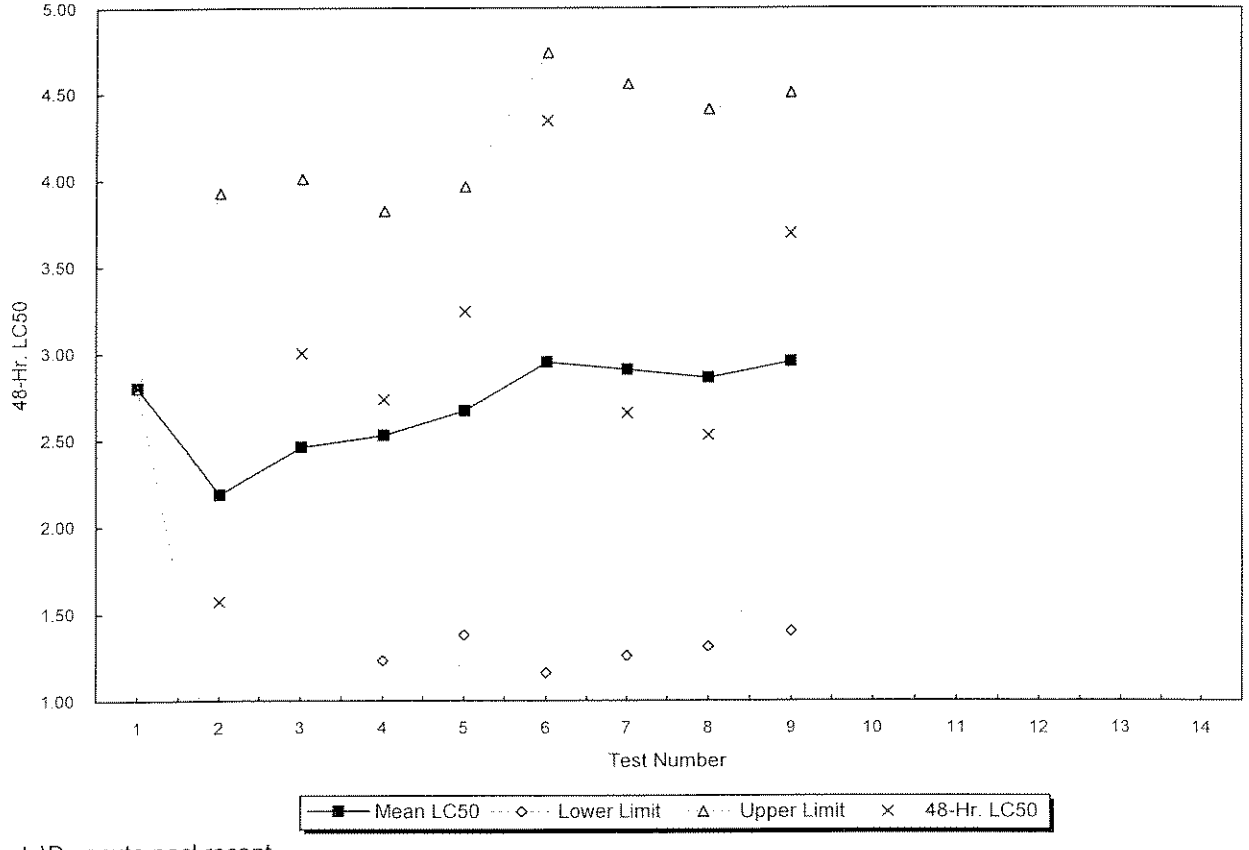
Comments:

Collect alkalinity and hardness samples on each new effluent and receiving water sample.
SEND SUBSAMPLE OF EFFLUENT AND RECEIVING WATER TO STL FOR TRC ANALYSIS.

Appendix 5
Standard Reference Toxicant test Control Chart

Reference Toxicant Control Chart
Daphnia pulex
in Sodium chloride (g/L)

Test Number	Test Date	Organism Age (Days)	48-Hr. LC50	Mean LC50	Lower Limit	Upper Limit	Organism Source
1	06/10/98	1	2.801	2.80	2.80	2.80	Aquatec Biological Sciences
2	09/17/98	1	1.57	2.19	0.44	3.93	Aquatec Biological Sciences
3	12/15/98	1	3.002	2.46	0.91	4.01	Aquatec Biological Sciences
4	10/08/05	1	2.733	2.53	1.23	3.82	Aquatic BioSystems
5	10/11/05	1	3.241	2.67	1.38	3.96	Aquatic BioSystems
6	10/19/05	1	4.342	2.95	1.16	4.74	Aquatic BioSystems
7	11/02/05	1	2.655	2.91	1.26	4.55	Aquatec Biological Sciences
8	11/08/05	1	2.527	2.86	1.31	4.41	Aquatec Biological Sciences
9	12/07/05	1	3.693	2.95	1.40	4.50	Aquatec Biological Sciences
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							



qaqc\srts\Dp acute nacl recent

Appendix 6
SOP TOX2-001, Standard Operating Procedure for Daphnid (*Ceriodaphnia dubia*, *Daphnia magna*, and *Daphnia pulex*) Acute Toxicity Test

Standard Operating Procedure for Daphnid (*Ceriodaphnia dubia*, *Daphnia magna* and *Daphnia pulex*) Acute Toxicity Test

1.0 IDENTIFICATION OF TEST METHOD

This SOP describes procedures for conducting an acute toxicity test with dapnids. This test is used to estimate the acute toxicity of whole effluents or other aqueous samples to the cladocerans, *Ceriodaphnia dubia*, *Daphnia magna* and *Daphnia pulex*. Aquatec Biological Sciences, Inc. holds NELAC accreditation for this method.

2.0 APPLICABLE MATRIX OR MATRICES

The described test is used to assess toxicity of wastewaters (effluents, influents), receiving waters, and other prepared aqueous solutions.

3.0 DETECTION LIMIT

Not applicable.

4.0 SCOPE AND APPLICATION

This SOP describes procedures for performing a static or static-renewal acute toxicity test with cladocerans, *Ceriodaphnia dubia*, *Daphnia magna* and *Daphnia pulex*.

5.0 SUMMARY OF TEST METHOD

A summary of the test method is attached (Table 1). This test is used to estimate the acute toxicity of whole effluents or other aqueous samples to the freshwater cladocerans. Organisms are exposed, for 24, 48 or 96 hours, typically to five concentrations of effluent (or aqueous sample) and the controls. Acute toxicity is estimated by calculating the lethal concentration 50 value (LC50) and/or the acute no-observed-effect-concentration (A-NOEC). This procedure is based on the guidelines of EPA-821-R-02-012 (Methods 2002.0 and 2021.0).

6.0 DEFINITIONS

LC50: The computed concentration that results in 50 percent mortality of the test organisms (may be computed from 48-h or 96-h data).

A-NOEC: The acute no-observed-effect-concentration; The highest concentration resulting in no statistically significant reduction in survival relative to the control (requires four test replicates for statistical analysis).

7.0 INTERFERENCES

Not applicable.

8.0 SAFETY

Samples acquired for toxicity testing may contain unknown toxicants or health hazards. Protective equipment (e.g., lab coats, disposable gloves) should be worn when handling samples.

9.0 EQUIPMENT AND SUPPLIES

Calibrated Instrumentation and Water Quality Apparatus:

- pH meter
- Dissolved Oxygen (DO) meter
- Thermometer (accurate to 0.1^{o}C)
- Conductivity meter
- Alkalinity titration apparatus
- Hardness titration apparatus

Additional Equipment:

- Test chambers (30-ml disposable cups), color coded
- Test board with randomized scheme, glass cover
- Light table
- Waste collection bucket

Forms and Paperwork:
Survival and chemistry data form
Alkalinity and hardness data form

10.0 REAGENTS AND STANDARDS

Laboratory reconstituted water (soft water, moderately hard water, or hard water)
Deionized water
Reference toxicant solutions

11.0 SAMPLE COLLECTION, PRESERVATION, SHIPMENT, AND STORAGE

Samples for acute toxicity tests are typically collected, cold-preserved, and shipped to Aquatec. Sample acceptance and log-in procedures are outlined in SOP TOX1-017. After receipt at Aquatec, samples should be refrigerated when not being prepared for use in toxicity tests. The holding time for effluent samples is 36 hours from the time of collection until the time of first use.

12.0 QUALITY CONTROL

The acute toxicity test is judged to be acceptable and to have met Quality Control standards if the associated dilution water and laboratory control meet the survival criterion of 90% or greater. Also, the test conditions must be within the guidelines described in the protocol (Table 1). Standard reference toxicant (SRT) tests (48-h acute with sodium chloride as the toxicant) should be performed with a representative sub-set of the test organisms and result in an LC50 within the boundaries of the control chart. Deviations from acceptance standards should be documented and may result in the test being viewed as "conditionally acceptable" or "unacceptable" (See Section 19.0 below).

13.0 CALIBRATION AND STANDARDIZATION

Not applicable for the toxicity test. Any instrumentation (e.g., water quality instrumentation) required for conducting the test must be calibrated on a daily basis following the relevant SOP or instrument quidelines.

14.0 PROCEDURE

14.1 Test System and Conditions

The test system and environmental conditions for the daphnid acute toxicity test are summarized in Table 1.

14.2 Test Organisms

Procurement and Documentation

Test organisms for the daphnid acute test are obtained from Aquatec's laboratory cultures or commercial supplier. Neonates less than 24-h old are used for testing. Neonates collected for testing may be held in individual culture cups until distributed to tests. Feed neonates approximately 2 hours prior to test initiation by pipeting 0.1 ml yeast-Cerophyll-trout chow (YCT) and *Selenastrum capricornutum* to all neonate holding cups. Store the culture cups, covered, at test temperature (25 ± 1^{o}C or 20 ± 1^{o}C).

Evaluation of Daphnid Condition and Acclimation

If, during examination, it appears that more than 10 percent of the parent females or the neonates collected for the test have died during the holding period preceding the test, notify the Toxicity Laboratory Director immediately. A decision will be made regarding the possibility of collecting an alternate stock of neonates for testing. If the test is to be delayed, document the reason on the Project Documentation form. Also, it may be necessary to notify the client.

Ordinarily, *C. dubia* neonates are maintained in laboratory water (1:1 mix of Lamoille River water and moderately hard water) up until the time of test initiation. *D. magna* neonates are maintained in hard water while *D. pulex* neonates are maintained in moderately hard water. The temperature

of the neonate stock must be maintained at 25 ± 1°C or (20 ± 1°C). Return parent stock females from the neonate cups to the source batch culture. *Ceriodaphnia dubia* are cultured in individual culture cups (one organism per cup) maintained at 25 ± 1°C.

If acclimation to a client's receiving water is required, gradual water changes should be made (eg., 25%-50% hourly) to the parent organisms to receiving water. Neonate release and collection should occur in 100 percent receiving water, if acclimation is required.

Food
At the time of neonate collection, or on the morning of a scheduled test, feed neonates in each cup 0.1 ml Selenastrum and 0.1 ml yeast-Cerophyll-trout chow (YCT).

Sample Preparation
Procedures for effluent and diluent sample preparation are described in a separate SOP TOX1-013 ("Preparation of Effluent, Aqueous Samples, and Receiving Water for Toxicity Tests". The typical dilution factors are 0.5, however, consult applicable client permits for the appropriate dilution factor and included permit-limit concentrations when required.

14.3 Initiate the Test
Prepare Test Chambers
For a test where receiving water is used as the diluent, an additional laboratory control must be included in the test array. New 30-mL disposable plastic condiment cups are used as test chambers. Each test treatment will have four true replicates (no water connection); therefore, 28 test cups will be required. When laboratory water is used as the diluent, 24 test cups are required. Label as: Client Code
Treatment
Replicate (A, B, C, D)

Measure Initial Chemistries
Remove an aliquot (approximately 100 ml) from each test dilution and the controls. This aliquot is used to measure the following parameters: pH, DO, temperature, and conductivity. Record the data directly on the Toxicity Test Data Form for Day 0. The temperature of the solutions must be within a range of ± 1°C of the selected test temperature (20 °C or 25°C). Temperature, DO, and pH are to be recorded daily for all test concentrations.

Recommended water chemistry at time of test initiation
If solutions are not within the ranges specified below, notify the Toxicity Laboratory Director.

pH - acceptable range, 6.0-9.0

DO - acceptable range, 8.0-8.9 mg/L (20°C); 7.4-8.1 (25°C)

Temperature - acceptable range, 19-21°C or 24-26°C

Conductivity - often has a pattern of increasing conductance with increasing sample strength.

Collect a sub-sample of the control and 100% effluent solutions subsequent analysis of hardness and alkalinity. Label and store in a refrigerator at 4°C.

If test solutions are to be stored temporarily prior to starting the test, store the test solutions at the target test temperature.

Decant test solutions to the appropriate test cups, 25 ml per cup. Place the test cups in randomized positions on the test board. Water chemistry measurements are recorded for one replicate of each treatment each day of the test.

Prepare and distribute test organisms
Select approximately 20 brood cups (containing neonates collected for the test), each with 8 or more neonates. Pool neonates in a crystallizing dish prior to distribution to the test. Randomly distribute neonates to test containers (5 per test container) with a transfer pipet.

Record the date / time of test start along with initials on the data form.

Aeration
Do not aerate daphnid acute tests.

Feeding
Daphnids are not fed during acute toxicity test of 24-48 hours duration. If the test duration is 96 hours the test animals are fed 2 hours prior to the 48 hour water change.

14.4 Monitoring the test
Test solution renewal (if required) and biological monitoring
Test solutions in each test cup routinely are not renewed for 48 hour tests (unless the project protocol specifies daily renewal). If the test duration is 96 hours, renew test solutions at 48 hours (or daily, if specified in the project-specific protocol). During the renewal procedure, take care to avoid injuring neonates. Renew the controls first, then from low concentrations to higher test concentrations. This procedure will minimize the potential for back-contamination of a lower test concentration with a higher test concentration. The renewal procedure is conducted over a light table.

Remove the test board from the test rack and remove the glass cover. Carefully measure the temperature of one replicate of each test treatment. Record the data on the Final Chemistry Data form.

Fill four new cups coded for laboratory control with approximately 25 mL of laboratory control water. Remove laboratory control Replicate A test cup from the test board.

Transfer all surviving daphnids with a large-bore pipet to the new test cup containing new control solution. Record the number of survivors in the appropriate box for laboratory control, Replicate A.

Continue the water changes until all surviving animals in each treatment have been transferred to "new" water. Pool the "old test water" from the old test cups into a beaker. This must be saved for final chemistry analysis, when required. When renewals have been completed, record initials, date, and time for renewal in the remarks section of the daphnid acute data form. Replace all test cups in the assigned position on the test board.

Final Chemistry (daily during test, if required)
Measure the temperature, pH, and D.O., and conductivity of the pooled water sample decanted from the four replicates for each test treatment. It is preferable to do this immediately after completing the renewal to obtain an accurate representation of the test conditions. Discard the solution in the appropriate waste receptacle.

14.5 Termination of the Toxicity Test
The daphnid acute test may be ended at 24 hours, 48 hours, or 96 hours depending on permit requirements or the project-specific protocol. The guidelines for actual duration of the test are: 24-h test (± 15 minutes from time of test start); 48-h test (± 30 minutes from time of test start); and 96-h test (± 60 minutes from time of test start).

Daphnid survival (end of test)
For each replicate, determine the number of live daphnids remaining and record the results in the appropriate data box of the daphnid acute data form. A daphnid is scored as "alive" if any activity or self-propelled movement is observed. If necessary, examine organisms under a dissecting microscope to determine the number surviving.

Record the time of test completion in remarks section of the daphnid acute data form.

Final Chemistry (end of test)
Measure and record temperature of one replicate from each test concentration. Combine the test solution from each replicate of each test concentration. Measure and record the final chemistry parameters (conductivity, pH and DO) as specified in 3.2.1 above.

15.0 CALCULATIONS
The 48-h LC50 (or 96-h) and A-NOEC (if required) are calculated using the TOXIS2 software program. Enter the test data into the TOXIS2 template prepared for each client. Run the statistical program for the EPA Acute Toxicity Test flow chart and print the entered test data and the statistical results. Check the entered data against the original hand-written test data and record the date and initials. Place the statistical printouts in the project folder (by SDG) and return the folder with all paperwork to the project holding file.

16.0 METHOD PERFORMANCE
Test conditions should be at or near the limits outlined in the Protocol (Table 1).

17.0 POLLUTION PREVENTION
Effluents and receiving waters used in toxicity tests are stored refrigerated until the test data have been reviewed and deemed acceptable by the Laboratory Manager or the Director. Contact the Laboratory Manager or Director prior to discarding any stored samples. Effluent and receiving water samples may be discarded following a period of chlorination (e.g., 30 minutes). Effluent samples that have exhibited high toxicity in low test concentrations should be discarded in the "Aqueous Waste" drum for disposal by a certified waste handler. Other samples containing unknown or suspected toxic contaminants should be discarded in the "Aqueous Waste" drum.

18.0 DATA ASSESSMENT AND ACCEPTANCE CRITERIA FOR QUALITY CONTROL MEASURES
The Laboratory Manager and/or the Laboratory Director will review test data to ensure that all elements of the data package are available and complete (Log-in work sheets, test IDs, Chain-of-Custody documentation, toxicity test benchsheets, organism records, and SRT data). The reviewer will check to package for transcription errors, clarity of observations and notations, initials, and completeness. The reviewer will also compare the test data to the Quality Control standards outlined in Section 12.0 above. Any deficiencies will be addressed and resolved (with appropriate notation) prior to assembling the package for the final report.

19.0 CORRECTIVE ACTIONS FOR OUT-OF-CONTROL DATA
Data that do not meet Quality Control standards will be assessed and a decision will be made whether to reject the test data and deemed "unacceptable" (requiring a repeated test) or "provisionally acceptable" (requiring a qualifier in the final report). An example of and unacceptable test could include one where the controls fail to meet the 90% survival requirement. A designation of a "provisionally acceptable" test might include one where samples were received outside of prescribed holding temperatures or times.

20.0 CONTINGENCIES FOR HANDLING OUT-OF-CONTROL OR UNACCEPTABLE DATA
Analysts experiencing and "out-of-control" event (e.g., test replicate spills, test solutions improperly prepared, test temperatures out of target range, etc.) should note the event on the bench sheet and also notify the Laboratory Manager or Laboratory Director. A decision will be

made by the Laboratory Manager or Laboratory Director as to whether to continue the test (with the appropriate qualifier) or whether to terminate the test. If the test is terminated, the client should be notified so that re-sampling and re-testing can be scheduled as soon as possible.

21.0 WASTE MANAGEMENT

See 17.0 above.

22.0 REFERENCES

The test procedure is based upon the guidelines outlined in EPA/600/4-90/027F, *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms* (4th Ed.). Regional guidelines may require in slight modifications of the test protocol (e.g., solution renewals, test duration, target test temperature).

23.0 TABLES, DIAGRAMS, FLOW CHARTS, AND VALIDATION DATA

Refer to Tables 11 and 12 (pp. 57-60) of EPA/600/4-90/027F and the EPA Statistical Flow Chart, Figure 6 (page 77) of EPA/600/4-90/027F and related discussions within that document.

24.0 TRAINING

Laboratory analysts performing this procedure must receive instruction from a previously trained analyst. Individual parts of the overall procedure may be performed under the guidance of a previously-trained analyst.

To be qualified for the overall procedure outlined in this SOP, the analyst must:

Read this SOP.
Receive verbal and visual instruction.
Be trained on pertinent associated SOPs.

Approvals:

Laboratory Manager:	Date:

Table 1. Test Protocol

PROTOCOL: EPA 2002. *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, Methods 2002.0 (*Ceriodaphnia dubia*) and 2021.0 (*Daphnia magna* and *Daphnia pulex*) acute toxicity tests.

1. Test type:	Static, no renewal; or daily renewal
2. Test temperature:	25 ± 1°C (or 20 ± 1°C)
3. Light quality:	Ambient laboratory illumination
4. Photoperiod:	16 hr. light, 8 hr. dark
5. Test chamber size:	30 ml
6. Test solution volume:	25 ml / replicate
7. Renewal of test concentrations:	None if static test, daily if renewal test
8. Age of test organisms:	Less than 24 h
9. No. organisms / test chamber:	5
10. No. of replicate chambers / concentration:	4
11. No. of organisms / concentration:	20
12. Feeding regime:	Feed 0.1 ml of YTC and algal suspension prior to testing. Not fed during test for 48-h tests. Feed 2 hours prior to 48-h (before renewal) for 96-h tests
13. Cleaning:	None
14. Aeration:	None
15. Dilution water:	Receiving Water or laboratory water
16. Test concentrations:	6.25, 12.5, 25, 50, 100% (unless specified otherwise by permit)
17. Laboratory control:	Reconstituted water (soft, moderately hard, or hard)
18. Test duration:	48 h; 96 h
19. Monitoring:	Day 0: temperature, DO, pH, and conductivity. Day 1: temperature. Day 2 (or 4): temperature, DO, pH, and conductivity. Hardness, alkalinity on each new sample. Biological monitoring daily
19. End points:	Survival
20. Reference toxicant test:	Sodium chloride 48-h LC50
21. Test acceptability (Control performance):	90% or greater survival
22. Data interpretation:	LC50 / A-NOEC

APPENDIX 2

Laboratory Reports

Columbia Analytical Services, Inc.
O'Brien & Gere, Inc.

NPDES Sampling
GE Pittsfield
Toxicity pH

Date: 12/6/05

Acute Dry ✓
Acute Wet ___
Chronic _____(Day 1,2 or 3)

Effluent Composite
Sample # A6960C
Date 12-6-05
Time 1100AM
pH 7.85 su

River/Dilution Water
Sample # A6959R
Date 12-6-05
Time 815AM
pH 7.13 su

Mark Wasnewsky 12-6-05
Signed & Dated

COLUMBIA ANALYTICAL SERVICES

Reported: 12/22/05

General Electric
Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 12/05
Client Sample ID : A6959RTM

Date Sampled : 12/06/05 08:15 **Order #:** 865101 **Sample Matrix:** WATER
Date Received: 12/07/05 **Submission #:** R2529122

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	19.900	58.8	UG/L	12/21/05	1.0
CADMIUM	200.7	0.418	0.418 U	UG/L	12/21/05	1.0
CALCIUM	200.7	204.	10000	UG/L	12/21/05	1.0
CHROMIUM	200.7	0.850	0.850 U	UG/L	12/21/05	1.0
COPPER	200.7	4.670	4.67 U	UG/L	12/21/05	1.0
LEAD	200.7	1.720	2.70	UG/L	12/21/05	1.0
MAGNESIUM	200.7	30.200	3390	UG/L	12/21/05	1.0
NICKEL	200.7	1.130	1.13 U	UG/L	12/21/05	1.0
SILVER	200.7	1.150	1.15 U	UG/L	12/21/05	1.0
ZINC	200.7	1.440	2.50	UG/L	12/21/05	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/22/05

General Electric
Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 12/05
Client Sample ID : A6960CTM

Date Sampled : 12/06/05 11:00 **Order #:** 865102 **Sample Matrix:** WATER
Date Received: 12/07/05 **Submission #:** R2529122

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	19.900	57.7	UG/L	12/21/05	1.0
CADMIUM	200.7	0.418	0.418 U	UG/L	12/21/05	1.0
CALCIUM	200.7	204.	89600	UG/L	12/21/05	1.0
CHROMIUM	200.7	0.850	1.30	UG/L	12/21/05	1.0
COPPER	200.7	4.670	4.67 U	UG/L	12/21/05	1.0
LEAD	200.7	1.720	3.50	UG/L	12/21/05	1.0
MAGNESIUM	200.7	30.200	35000	UG/L	12/21/05	1.0
NICKEL	200.7	1.130	1.13 U	UG/L	12/21/05	1.0
SILVER	200.7	1.150	1.15 U	UG/L	12/21/05	1.0
ZINC	200.7	1.440	10.4	UG/L	12/21/05	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/22/05

General Electric
Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 12/05
Client Sample ID : A6960CDM

Date Sampled : 12/06/05 11:00 **Order #:** 865103 **Sample Matrix:** WATER
Date Received: 12/07/05 **Submission #:** R2529122

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	19.900	44.6	UG/L	12/21/05	1.0
CADMIUM	200.7	0.418	0.418 U	UG/L	12/21/05	1.0
CHROMIUM	200.7	0.850	0.970	UG/L	12/21/05	1.0
COPPER	200.7	4.670	4.67 U	UG/L	12/21/05	1.0
LEAD	200.7	1.720	2.10	UG/L	12/21/05	1.0
NICKEL	200.7	1.130	1.13 U	UG/L	12/21/05	1.0
SILVER	200.7	1.150	1.15 U	UG/L	12/21/05	1.0
ZINC	200.7	1.440	14.6	UG/L	12/21/05	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/22/05

General Electric
Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 12/05
Client Sample ID : A6959R

Date Sampled : 12/06/05 08:15 **Order #:** 865104 **Sample Matrix:** WATER
Date Received: 12/07/05 **Submission #:** R2529122

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
CHLORIDE	300.0	0.200	10.7	MG/L	12/08/05	20:25	10.0
TOTAL SOLIDS	160.3	10.0	71.0	MG/L	12/09/05	14:00	1.0
TOTAL SUSPENDED SOLIDS	160.2	1.00	1.03 U	MG/L	12/09/05	14:30	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/22/05

General Electric
Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 12/05
Client Sample ID : A6960C

Date Sampled : 12/06/05 11:00 **Order #:** 865105 **Sample Matrix:** WATER
Date Received: 12/07/05 **Submission #:** R2529122

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
CHLORIDE	300.0	0.200	729	MG/L	12/09/05	12:00	400.0
TOTAL SOLIDS	160.3	10.0	1560	MG/L	12/13/05	10:30	1.0
TOTAL SUSPENDED SOLIDS	160.2	1.00	2.90	MG/L	12/09/05	14:30	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/22/05

General Electric
Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 12/05
Client Sample ID : A6959R

Date Sampled : 12/06/05 08:15 **Order #:** 865108 **Sample Matrix:** WATER
Date Received: 12/07/05 **Submission #:** R2529122

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
AMMONIA	350.1	0.0500	0.0500 U	MG/L	12/13/05	11:16	1.0
TOTAL ORGANIC CARBON	415.1	0.0500	4.60	MG/L	12/14/05	15:25	10.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0500 U	MG/L	12/15/05	11:26	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/22/05

General Electric
Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 12/05
Client Sample ID : A6960C

Date Sampled : 12/06/05 11:00 **Order #:** 865111 **Sample Matrix:** WATER
Date Received: 12/07/05 **Submission #:** R2529122

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
AMMONIA	350.1	0.0500	0.300	MG/L	12/13/05	11:16	1.0
TOTAL ORGANIC CARBON	415.1	0.0500	8.16	MG/L	12/14/05	15:36	20.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0500 U	MG/L	12/15/05	11:26	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/22/05

General Electric
Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 12/05
Client Sample ID : A6959RCN

Date Sampled : 12/06/05 08:15 **Order #:** 865114 **Sample Matrix:** WATER
Date Received: 12/07/05 **Submission #:** R2529122

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	12/20/05	10:25	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/22/05

General Electric
Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 12/05
Client Sample ID : A6960CCN

Date Sampled : 12/06/05 11:00 **Order #:** 865115 **Sample Matrix:** WATER
Date Received: 12/07/05 **Submission #:** R2529122

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0529	MG/L	12/20/05	10:25	1.0

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SDG #

CAS Contact

Project Name: NYDES Permit	Project Number:
Project Manager: J Nicholson	Report CC:
Company/Address: GE Corp Environmental 159 Plastics Ave Bldg 59 Pittsfield MA	
Phone #: 413 448-5915	FAX#: 413 448 5935
Sampler's Signature: Mark Waszewsky	Sampler's Printed Name: MARK WASZEWSKY

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 0 0 0 3 2

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	TSS EPA 160.2	BOD EPA 405.1	TOTAL SOLIDS & Chloride	TOTAL PHOSPHORUS, TOC, NH3	DISSOLVED METALS (6) EPA 200.7		REMARKS/ ALTERNATE DESCRIPTION
001-A6961		12-6-05	740 AM	H2O	1							X							
005-A6962/A6963			700 AM									X							
A6960C	865105		1100 AM									X							
A6959R	865104		815 AM									X							
005-A6962/A6963			700 AM										X						
A6960C	865105		1100 AM											X					
A6959R	865104		815 AM											X					
A6960C	865111		2100 AM												X				
A6959R	865108		815 AM												X				
A6960CDM	865103		1100 AM													X			Filtered + Preserved

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals & DISSOLVED METALS LISTED ON SAMPLE LABEL

Samples Packed in Ice

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ✓ 5 day
____ STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
✓ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #: R2529122

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Mark Waszewsky	Signature:	Signature	Signature	Signature	Signature
Printed Name: MARK WASZEWSKY	Printed Name: Gregory A Emerian	Printed Name	Printed Name	Printed Name	Printed Name
Firm: QBG	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 12-6-05 2:00 PM	Date/Time: 12-7-05 10:00	Date/Time	Date/Time	Date/Time	Date/Time

White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

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SR # ____
CAS Contact: ____

Project Name: NPDES Permit
Project Number:
Project Manager: T Nicholson
Report CC:
Company/Address: GE Corp Environmental, 159 Plastics Ave Bldg 59, Pittsfield MA 01201
Phone #: 413 448 5915
FAX#: 413 448 5935
Sampler's Signature: Mark Wasnewsky
Sampler's Printed Name: MARK WASNEWSKY

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below) EPA 200.7	METALS, DISSOLVED (List in comments below)	CYANIDE EPA 335.4								REMARKS/ ALTERNATE DESCRIPTION
PRESERVATIVE											2		4								
A6960CTM	865102	12-6-05	11:00 AM	H_2O	1						X										
A6959RTM	865101	12-6-05	8:15 AM	H_2O	1						X										
A6960CCN	865115	12-6-05	11:00 AM	H_2O	1								X								
A6959RCN	865114	12-6-05	8:15 AM	H_2O	1								X								

Preservative Key: 0. NONE 1. HCL 2. HNO_3 3. H_2SO_4 4. NaOH 5. Zn. Acetate 6. MeOH 7. $NaHSO_4$ 8. Other ____

SPECIAL INSTRUCTIONS/COMMENTS
Metals: 10 TOTAL METALS LISTED ON SAMPLE LABEL

Samples Packed in Ice

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ✓ 5 day
____ STANDARD
REQUESTED FAX DATE ____
REQUESTED REPORT DATE ____

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
✓ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #: R2528122

SAMPLE RECEIPT: CONDITION/COOLER TEMP: ____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Mark Wasnewsky	Signature	Signature	Signature	Signature	Signature
Printed Name: MARK WASNEWSKY	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: DBG	Firm	Firm	Firm	Firm	Firm
Date/Time: 12-6-05 2:00 PM	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

Cooler Receipt And Preservation Check Form

Project/Client GE-Dock KE 12-7-05 Submission Number _____.

Cooler received on 12-7-05 by: KE COURIER: CAS UPS (FEDEX) VELOCITY CLIENT

1.	Were custody seals on outside of cooler?	(YES) NO				
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES) NO				
3.	Did all bottles arrive in good condition (unbroken)?	(YES) NO				
4.	Did any VOA vials have significant air bubbles?	YES (NO)	N/A	KE 12-7-0		
5.	Were **Ice** or **Ice packs** present?	(YES) NO				
6.	Where did the bottles originate?	CAS/ROC	(CLIENT)			
7.	Temperature of cooler(s) upon receipt:	1.0°	1.0°			
	Is the temperature within 0° - 6° C?:	(Yes)	(Yes)	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 12-7-05 @ 10:17

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: _____

Cooler Breakdown: Date: _____ by: _____

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	YES	NO
2.	Did all bottle labels and tags agree with custody papers?	YES	NO
3.	Were correct containers used for the tests indicated?	YES	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		N/A

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4.

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: _____

APPENDIX 3

Chain of Custody Forms

12/6/2005

ACUTE AQUATIC TOXICITY COMPOSITE

Month: DEC
Week: 2
Fiscal Wk: 50
Weather: DRY

	Gallons/Day	Ml in Composite	Percent of Composite
001	165,800	4,941.79	42.97%
004	0	-	0.00%
007	0	-	0.00%
64T	18,020	537.10	4.67%
64G	201,500	6,005.85	52.22%
09A	0	-	0.00%
09B	512	15.26	0.13%
	385,832	11500	100.00%

The Acute Toxicity Composite was made today by MARK WASNEWSKY @ 11^00 AM according to the table above, and given the sample ID# A6960C.

COC # OBG120605

Mark Wasnewsky
Signed

12-6-05
Date

Aquatec Biological Sciences

Chain-of-Custody Record

273 Commerce Street
Williston, VT 05495
TEL: (802) 860-1638
FAX: (802) 658-3189

COMPANY INFORMATION	COMPANY'S PROJECT INFORMATION	SHIPPING INFORMATION
Name: General Electric Company	Project Name: GE PITTSFIELD	Carrier:
Address: O'Brien & Gere	**Outfall Composite**	
1000 East Street, Gate 64	Project Number: 05069	Airbill Number:
City/State/Zip: Pittsfield, MA 01201	Sampler Name(s):	
Telephone: (413) 494-6709	Mark Wasnewsky & GECO	Date Shipped: 12-6-05
Facsimile:		
Contact Name: Mark Wasnewsky	Quote #: 10/05 Client Code: ~~COLUMB~~	Hand Delivered: ☐ Yes ☐ No

VOLUME/CONTAINER TYPE/ PRESERVATIVE					
4°C	4°C	4°C H_2SO_4	4°C H_2SO_4	4°C	4°C HNO_3
Plastic	Plastic	Plastic	Glass	Amber Glass	Plastic
1 gal	1/2 gal	1 L	40 ml	250 ml	0.5 L

SAMPLE IDENTIFICATION	COLLECTION DATE	COLLECTION TIME	GRAB	COMPOSITE	MATRIX	ANALYSIS (detection limits, mg/L)	NUMBER OF CONTAINERS					
Outfall Composite A6960C	12-6-05	11:00 AM		✓	Effluent	*Daphnia pulex* 48-h Static Acute Toxicity (EPA Method 2021.0). Log in for A48DPS	1					
Outfall Composite A6960C	↓	11:00 AM		✓	Effluent	Total Residual Chlorine					1	
Housatonic River A6959R		8:15 AM	✓		Receiving	Dilution Water	1					
Housatonic River A6959R	↓	8:15 AM	✓		Receiving	Total Residual Chlorine					1	

Relinquished by: *(signature)*	DATE	TIME	Received by: *(signature)*
Mark Wasnewsky	12-6-05	1140	PEX 803
Relinquished by: *(signature)*	DATE	TIME	Received by: *(signature)*
	12/6/05	15:30	Aquatec.
Relinquished by: *(signature)*	DATE	TIME	Received by: *(signature)*

NOTES TO SAMPLER(S): (1): Complete the labels (Date, time, initials) and cover the labels with clear tape. Tape the caps of the sample bottles to ensure that they do not become dislodged during shipment. Nest the samples in sufficient ice to maintain 0°C – 6°C. Results for samples received at temperatures exceeding 6°C will be qualified in the report.

Notes to Lab: Ambient cooler temperature: 3.9 °C. Dechlorinate the effluent sample if chlorine is detected. Subsample for TRC analysis to STL.

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SR #
CAS Contact

Project Name: NPDES Permit
Project Number:
Project Manager: J Nicholson
Report CC:
Company/Address: GE Corp Environmental
159 Plastics Ave Bldg 59
Pittsfield MA
Phone #: 413 448-5915
FAX#: 413 448 5935
Sampler's Signature: Mark Wasnewsky
Sampler's Printed Name: MARK WASNEWSKY

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	TSS EPA 160.2	BOD EPA 405.1	TOTAL SOLIDS + Chloride	TOTAL PHOSPHORUS,	TOC NH3	DISSOLVED METALS (F) EPA 200.7			REMARKS/ ALTERNATE DESCRIPTION
PRESERVATIVE													0	0	Q	3	2				
001-A6961		12-6-05	7:40 AM	H_2O	1								X								
005-A6962/A6963		↓	7:00 AM	↓	↓								X								
A6960C	865105	↓	11:00 AM	↓	↓								X								
A6959R	865104	↓	8:15 AM	↓	↓								X								
005-A6962/A6963		↓	7:00 AM	↓	↓									X							
A6960C	865105	↓	11:00 AM	↓	↓										X						
A6959R	865104	↓	8:15 AM	↓	↓										X						
A6960C	865111	↓	11:00 AM	↓	↓											X					
A6959R	865108	↓	8:15 AM	↓	↓											X					
A6960C	865108	↓	8:15 AM	↓	↓												X				Filtered + Preserved
A6960CDM	865103		11:00 AM																		

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other ______

SPECIAL INSTRUCTIONS/COMMENTS
Metals 8 DISSOLVED METALS LISTED ON SAMPLE LABEL

Samples Packed in Ice

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ✓ 5 day
____ STANDARD
REQUESTED FAX DATE ______
REQUESTED REPORT DATE ______

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
✓ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #: R2529122

SAMPLE RECEIPT: CONDITION/COOLER TEMP: ______ CUSTODY SEALS: Y N

	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Mark Wasnewsky	[signature]				
Printed Name	MARK WASNEWSKY	Gregory A Emerian				
Firm	OBG	CAS				
Date/Time	12-6-05 2:00 PM	12-7-05 10:00				

Distribution: White - Lab Copy; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

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PAGE ____ OF ____

SR #

CAS Contact:

Project Name: NPDES Permit
Project Number:
Project Manager: J Nicholson
Report CC:
Company/Address: GE Corp. Environmental
159 Plastics Ave. Bldg 59
Pittsfield MA 01201
Phone #: 413 448 5915
FAX#: 413 448 5935
Sampler's Signature: Marie Wasnewsky
Sampler's Printed Name: MARIE WASNEWSKY

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 2 4

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below) EPA 200.7	METALS, DISSOLVED (List in comments below)	CYANIDE EPA 335.4	REMARKS/ ALTERNATE DESCRIPTION
A6960CTM	865102	12-6-05	11:00 AM	H_2O	1						X			
A6959RTM	865101	12-6-05	8:15 AM	H_2O	1						X			
A6960CCN	865115	12-6-05	11:00 AM	H_2O	1								X	
A6959RCN	865114	12-6-05	8:15 AM	H_2O	1								X	

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other ____

SPECIAL INSTRUCTIONS/COMMENTS
Metals 10 TOTAL METALS LISTED ON SAMPLE LABEL

Samples Packed in Ice

See QAPP: ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ✓ 5 day
____ STANDARD
REQUESTED FAX DATE:
REQUESTED REPORT DATE:

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
✓ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Equis: ____ Yes ____ No

INVOICE INFORMATION
PO#:
BILL TO:
SUBMISSION #: R25[illegible]

SAMPLE RECEIPT: CONDITION/COOLER TEMP: ____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Marie Wasnewsky	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: MARIE WASNEWSKY	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: GE	Firm:	Firm:	Firm:	Firm:	Firm:
Date/Time: 12-6-05 2:00 PM	Date/Time:	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Dec 06 05 12:54p GE Pittsfield 413-494-2195 P.1

Cooler Receipt And Preservation Check Form

Project/Client GE-Dock KE 12-7-05 Submission Number _____

Cooler received on 12-7-05 by: KE COURIER: CAS UPS (FEDEX) VELOCITY CLIENT

1.	Were custody seals on outside of cooler?	(YES) NO			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES) NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES) NO			
4.	Did any VOA vials have significant air bubbles?	YES (NO)			N/A KE 12-7-0
5.	Were **Ice** or **Ice packs** present?	(YES) NO			
6.	Where did the bottles originate?	CAS/ROC	CLIENT		
7.	Temperature of cooler(s) upon receipt:	1.1°	1.0°	____	____ ____
	Is the temperature within 0° - 6° C?:	(Yes)	(Yes)	Yes	Yes Yes
	If No, Explain Below	No	No	No	No No

Date/Time Temperatures Taken: 12-7-05 @ 10:17

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: _____

Cooler Breakdown: Date: _____ by: _____

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	YES	NO
2.	Did all bottle labels and tags agree with custody papers?	YES	NO
3.	Were correct containers used for the tests indicated?	YES	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		N/A

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4.

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: _____