GE
159 Plastics Avenue
Pittsfield, MA 01201
USA

Transmitted via Overnight Courier

January 9, 2007

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 2006 (GECD900)

Dear Mr. Tagliaferro and Ms. Steenstrup:

Enclosed are copies of General Electric's (GE's) monthly progress report for December 2006 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,

Richard W. Gates/JAP

Richard W. Gates
Remediation Project Manager

Enclosure
V:\GE_Pittsfield_General\Reports and Presentations\Monthly Reports\2006\12-06 CD Monthly\Letter.doc

cc: Robert Cianciarulo, EPA (cover letter only)
Tim Conway, EPA (cover letter only)
Rose Howell, EPA (cover letter and CD-ROM of report)
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)
Jane Rothchild, 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
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, ARCADIS 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 2006

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 2006

a. Activities Undertaken/Completed

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

b. Sampling/Test Results Received

- Sample results were received for routine sampling conducted pursuant to GE's NPDES Permit for the GE facility. Sampling records and results are provided in Attachment A to this report.

- NPDES Discharge Monitoring Reports (DMRs) for the period of November 1 through November 30, 2006, are provided in Attachment B to this report.

- GE received a report from Columbia Analytical Services, Inc. (CAS) titled *NPDES Biomonitoring Report for December 2006*, 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 2006. A copy of this document is provided in Attachment C.

c. Work Plans/Reports/Documents Submitted

- Submitted revised draft *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP) addressing EPA's November 8, 2005 comments on February 2006 draft (December 7, 2006).*

- Submitted revised draft *Project Operations Plan* (POP) addressing EPA's November 8, 2006 comments on February 2006 draft (December 7, 2006).*

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

- Continue NPDES sampling and monitoring activities.

- Attend public and Citizens Coordinating Council (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 2006

a. Activities Undertaken/Completed

- Conducted wipe sampling of Parratt-Wolff auger used in association with the well modification program conducted in the former 20s and 30s Complexes, as identified in Table 1-1.*

- Conducted drum sampling at Building 78 of soil from well installation and decommissioning in the former 30s Complex yard, as identified in Table 1-1.*

- Continued work on drafting Grant of Environmental Restriction and Easement (ERE) for the 40s Complex and preparation of associated survey plan.*

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

- Submitted a report summarizing the annual ERE inspection conducted at the former 20s Complex on November 17, 2006 (December 5, 2006).*

- Submitted a report summarizing the annual ERE inspection conducted at the former 30s Complex on November 17, 2006 (December 5, 2006).*

- Submitted a report summarizing the initial inspection of the temporary crushed materials stockpile at the 40s Complex on November 17, 2006 (December 5, 2006).*

- At the request of EPA, submitted a proposal to EPA for the remaining at-grade concrete slabs of former Buildings 42, 43/43A, and 44, which also addressed certain issues relative to the final restoration of previously placed crushed demolition debris (December 21, 2006).*

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

- Continue to work on drafting and development of ERE and survey plan for the 40s Complex.*

- At the request of the Pittsfield Economic Development Authority (PEDA), submit a plan for additional soil sampling at the 40s Complex at the frequency required for unpaved areas under the CD.*

ITEM 1
(cont'd)
PLANT AREA
20s, 30s, 40s COMPLEXES
(GECD120)
DECEMBER 2006

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

- Work on plans for soil sampling in the vicinity of planned utility lines to be installed by PEDA at the former 20s and 30s Complexes and the adjacent portion of Woodlawn Avenue, and discuss with PEDA submission of those plans to EPA and MDEP.*

- Begin work on development of Final Completion Report for the 40s Complex.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

As noted above, based on recent discussions among EPA, PEDA, and GE, GE anticipates submitting a plan for additional soil sampling at the 40s Complex at the frequency required for unpaved areas under the CD.*

f. Proposed/Approved Work Plan Modifications

None

TABLE 1-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2006

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
30's Complex Sampling Well Installation Soil	30-Well-Soil-1	12/21/06	Soil	SGS	PCB, TCLP	
30's Complex Tank Farm Parratt-Wolff Augur Wipe Sampling	AUGUR-WIPES-1	12/18/06	Wipe	SGS	PCB	12/28/06
30's Complex Tank Farm Parratt-Wolff Augur Wipe Sampling	AUGUR-WIPES-2	12/18/06	Wipe	SGS	PCB	12/28/06
30's Complex Tank Farm Parratt-Wolff Augur Wipe Sampling	AUGUR-WIPES-3	12/18/06	Wipe	SGS	PCB	12/28/06

TABLE 1-2
PCB DATA RECEIVED DURING DECEMBER 2006

TANK FARM PARRATT-WOLFF AUGUR WIPE 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
Augur-Wipes-1	12/18/2006	ND(1.0)	3.4	ND(1.0)	3.4
Augur-Wipes-2	12/18/2006	ND(1.0)	3.9	ND(1.0)	3.9
Augur-Wipes-3	12/18/2006	ND(1.0)	11	5.4	16.4

Notes:

1. Samples were collected by ARCADIS BBL, 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.

ITEM 2
PLANT AREA
EAST STREET AREA 2-SOUTH
(GECD150)
DECEMBER 2006

a. Activities Undertaken/Completed

- Conducted drum sampling at Building 78 of oil from 64T/G emergency generator, oil from 64G compressor, and LNAPL from Tank K in Building 64, as identified in Table 2-1.

- Conducted drum sampling at Building 78 of decontamination water from tool and equipment used while removing material from the various oil/water separators, as identified in Table 2-1.

- Received comments from EPA and MDEP on draft ERE and associated survey plan for City Recreational Area.

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 process sampling at Buildings 64G and/or 64T.

- Submit report on annual inspection of cover at City Recreational Area*

- Submit revised draft of ERE and associated survey plan for City Recreational Area to EPA and MDEP.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Several issues relating to GE's Conceptual Removal Design/Removal Action (RD/RA) Work Plan are under discussion with EPA.*

f. Proposed/Approved Work Plan Modifications

None

TABLE 2-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2006

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 Compressor Oil Sampling	F2864-1	12/21/06	Oil	SGS	PCB	
Building 64T/G Emergency Generator Oil Sampling	F2880-OIL-1	12/5/06	Oil	SGS	PCB	12/14/06
Building 78 Drum Sampling - Decon Water from Oil/Water Separators	B0581-1, B1444-1, B0475-1	12/6/06	Liquid	SGS	PCB, VOC, SVOC, Total RCRA Metals	
Tank Sampling Building 64	BLDG.64-TANK K	12/15/06	Oil	SGS	PCB, VOC, SVOC, Flashpoint, Total RCRA Metals	

TABLE 2-2
PCB DATA RECEIVED DURING DECEMBER 2006

BUILDING 64T/G EMERGENCY GENERATOR OIL SAMPLING
EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
F2880-Oil-1	12/5/2006	ND(9.6)	ND(9.6)	ND(9.6)	ND(9.6)	ND(9.6)	ND(9.6)	ND(9.6)	ND(9.6)

Notes:

1. Sample was collected byARCADIS BBL, 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.

ITEM 3
PLANT AREA
EAST STREET AREA 2-NORTH
(GECD140)
DECEMBER 2006

a. Activities Undertaken/Completed

- Continued pre-demolition removal activities (including equipment and liquids) at Buildings 11, 16, and 16X.

- Awarded contract for asbestos removal activities at Buildings 11, 16, and 16X (December 19, 2006).

- Collected and tankered approximately 54,000 gallons of water from Building 9 to Building 64G for treatment.

- Conducted sampling of pile of sand material from the recent sweeping of intraplant roadways located adjacent to Building 9B near the steam trestle, as identified in Table 3-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

At the request of EPA, submitted a proposal to EPA for the remaining at-grade concrete slabs of certain buildings in the portion of East Street Area 2-North to be transferred to PEDA (December 21, 2006).*

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

- Submit addendum to proposal for disposition of demolition debris from Buildings 7, 17, 17C, and 19.*

- Schedule initiation of demolition activities for Buildings 7, 17, 17C, and 19 following final EPA approval of proposal for disposition of demolition debris.

- Initiate asbestos removal activities at Buildings 11, 16, and 16X.

ITEM 3
(cont'd)
PLANT AREA
EAST STREET AREA 2-NORTH
(GECD140)
DECEMBER 2006

e. General Progress/Unresolved Issues/Potential Schedule Impacts

- Based on recent discussions held between EPA and GE, EPA has indicated that its approval of GE's proposal for disposition of demolition debris from Buildings 7, 17, 17C, and 19 (i.e., crushing and on-site re-use of certain demolition debris) is contingent on: (1) a modification to the CD; and (2) a Beneficial Use Determination from MDEP.

- Several issues relating to GE's Final RD/RA Work Plan are under discussion with EPA.*

f. Proposed/Approved Work Plan Modifications

None

TABLE 3-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2006

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
Sand Sweepings Sampling from Intraplant Roadways	BLDG9B-SWEEPINGS-C1	12/4/06	Soil	SGS	PCB	12/14/06
Sand Sweepings Sampling from Intraplant Roadways	BLDG9B-SWEEPINGS-C2	12/4/06	Soil	SGS	PCB	12/14/06

TABLE 3-2
PCB DATA RECEIVED DURING DECEMBER 2006

SAND SWEEPINGS SAMPLING FROM INTRAPLANT ROADWAYS
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
BLDG9B-Sweepings-C1	12/4/2006	ND(0.34)	2.0	2.5	4.5
BLDG9B-Sweepings-C2	12/4/2006	ND(0.34)	1.9	2.8	4.7

Notes:
1. Samples were collected by ARCADIS BBL, 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.

ITEM 4
PLANT AREA
EAST STREET AREA 1-NORTH
(GECD130)
DECEMBER 2006

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Submit report on annual inspection of properties with Conditional Solutions.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 5
PLANT AREA
HILL 78 & BUILDING 71 CONSOLIDATION AREAS
(GECD210/220)
DECEMBER 2006

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

a. Activities Undertaken/Completed

- Conducted air monitoring for PCBs, as identified in Table 5-1.
- Continued transfer of leachate from Building 71 On-Plant Consolidation Area (OPCA) to Building 64G for treatment. The total amount transferred in December 2006 was 42,000 gallons (see Table 5-3).
- Performed as-built survey of areas consolidated and/or capped in 2006.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

- Submitted data validation report on Tier I and II validation of PCB data from all ambient air samples collected from OPCA monitors from January 10, 2006 through October 17, 2006 (December 7, 2006).
- Submitted preliminary results of Tier III data validation of PCB data from selected air samples collected from OPCA monitors between June 1 and October 11, 2006, via e-mail (December 21, 2006).

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

Submit a complete summary of Tier III data validation of PCB data from selected ambient air samples collected from OPCA monitors between June 1 and November 30, 2006 (due by January 31, 2007).

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 2006

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	12/12 - 12/13/06	Air	NEA	PCB	12/20/2006
PCB Ambient Air Sampling	Northwest of OPCAs	12/12 - 12/13/06	Air	NEA	PCB	12/20/2006
PCB Ambient Air Sampling	West of OPCAs	12/12 - 12/13/06	Air	NEA	PCB	12/20/2006
PCB Ambient Air Sampling	West of OPCAs colocated	12/12 - 12/13/06	Air	NEA	PCB	12/20/2006
PCB Ambient Air Sampling	North of OPCAs	12/12 - 12/13/06	Air	NEA	PCB	12/20/2006
PCB Ambient Air Sampling	Southeast of OPCAs	12/12 - 12/13/06	Air	NEA	PCB	12/20/2006
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	12/12 - 12/13/06	Air	NEA	PCB	12/20/2006
PCB Ambient Air Sampling	Background East of Building 9B	12/12 - 12/13/06	Air	NEA	PCB	12/20/2006

TABLE 5-2
SUMMARY OF 2006 PCB AMBIENT AIR SAMPLING RESULTS

HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
(all results are ug/m3)

Date	Northwest of OPCAs	Northwest of OPCAs colocated	West of OPCAs	West of OPCAs colocated	North of OPCAs	Southeast of OPCAs	Pittsfield Generating (PGE)	Background Sample Location - East of Building 9B	Data Validated?
01/10/06 - 01/11/06	0.0005	ND	0.0020	----------	0.0005	ND	0.0005	0.0003	Tier I/II
02/07/06 - 02/08/06	ND	0.0002 J	ND	----------	ND	0.0003	0.0003	0.0002 J	Tier I/II
03/07/06 - 03/08/06	ND J	ND J	0.0003 J	----------	0.0003 J	0.0006 J	0.0006 J	0.0008 J	Tier I/II
04/06/06 - 04/07/06	0.0006	----------	0.0004	0.0005	0.0005	0.0009	0.0014	0.0005	Tier I/II
04/18/06 - 04/19/06	0.0010	----------	0.0011	0.0009	0.0040	0.0019	0.0148	0.0031	Tier I/II
04/25/06 - 04/26/06	0.0009 FB	----------	0.001 FB	0.0009 FB	0.0007 FB	0.0013	0.0019	0.0007 FB	Tier I/II
04/27/06 - 04/28/06	0.0006	----------	0.0006	0.0007	0.0004	0.0009	0.0020	0.0005	Tier I/II
05/02/06 - 05/03/06[1]	NA	----------	NA	NA	NA	NA	NA	NA	Tier I/II
05/04/06 - 05/05/06	0.0019	----------	0.0037	0.0030	0.0017	0.0041	0.0069	0.0026	Tier I/II
05/09/06 - 05/10/06	0.0003	----------	0.0004	0.0004	ND	0.0005	0.0004	0.0025	Tier I/II
05/11/06 - 05/12/06	0.0014	----------	0.0024	0.0026	0.0010	0.0005	0.0006	0.0011	Tier I/II
05/16/06 - 05/17/06	0.0004	----------	0.0007	0.0011	0.0006	0.0009	0.0014	0.0009	Tier I/II
05/18/06 - 05/19/06	0.0018 FB	----------	0.0015 FB	0.0021 FB	0.0017 FB	0.0015 FB	0.0017 FB	0.0019 FB	Tier I/II
05/23/06 - 05/24/06	0.0003 J	----------	R	0.0004 J	R	0.0011 J	0.0017 J	0.0005 J	Tier I/II
05/25/06 - 05/26/06	0.0032 J	----------	0.0018 J	0.0056 J	0.0041	0.0015	0.0044	0.0010	Tier I/II
05/31/06 - 06/01/06	0.0069	----------	0.0056	0.0060	0.0069	0.0030	0.0062	0.0024	Tier I/II
06/01/06 - 06/02/06	0.0031	----------	0.0028	0.0043	0.0034	0.0038	0.0087	0.0030	Tier I/II
06/06/06 - 06/07/06	0.0006 J	----------	R	R	R	R	R	0.0018	Tier I/II
06/12/06 - 06/13/06	0.0017	----------	0.0046	0.0037	0.0041	0.0013	0.0388	0.0009	Tier I/II
06/13/06 - 06/14/06	0.0010	----------	0.0010	0.0007	0.0009	0.0022	0.0061	0.0014	Tier I/II
06/20/06 - 06/21/06	0.0027 J	----------	0.002 J	0.003 J	0.0031 J	0.0024 J	0.0047 J	0.0012 J	Tier I/II
06/22/06 - 06/23/06	0.0028 J	----------	0.0029 J	0.0027 J	0.0036 J	0.0022 J	0.0032 J	0.0025 J	Tier I/II
06/27/06 - 06/28/06	0.0036 J	----------	0.0021 J	0.0019 J	0.0026 J	0.0006 J	0.0018 J	0.0019 J	Tier III
06/29/06 - 06/30/06	0.0013 J	----------	0.0014 J	0.0010 J	0.0020 J	0.0006 J	0.0021 J	0.0036 J	Tier I/II
07/06/06 - 07/07/06	0.0008	----------	0.0003 J	0.0007 J	0.0006	0.0005	0.0029 J	0.0004 J	Tier I/II
07/11/06 - 07/12/06	0.0024	----------	0.0018	0.0018	0.0016	0.0011	0.0045	0.0017	Tier I/II
07/13/06 - 07/14/06	0.0008 J	----------	0.0014 J	0.0010 J	0.0007 J	0.0008 J	0.0023 J	0.0012 J	Tier I/II
07/18/06 - 07/19/06	0.0018	----------	0.0026	0.0021	0.0020	0.0033	0.0089	0.0022	Tier I/II
07/20/06 - 07/21/06	0.0033	----------	0.0024	0.0031	0.0010	0.0008	0.0025	0.0021	Tier I/II
07/24/06 - 07/25/06	0.0014	----------	0.0016	0.0016	0.0017	0.0014	0.0045	0.0014	Tier I/II
07/31/06 - 08/01/06	0.0017	----------	0.0016 J	0.0011 J	0.0005 J	0.0015	0.0070	0.0023	Tier I/II
08/03/06 - 08/04/06	0.0010	----------	0.0017	0.0023	0.0013	0.0030	0.0107	0.0026	Tier III
08/08/06 - 08/09/06	ND J	----------	0.0005 J	0.0004 J	NA[2]	NA[2]	NA[2]	NA[2]	Tier I/II
08/10/06 - 08/11/06	0.0011 J	----------	0.0011 J	0.0010 J	0.0004 J	0.0006 J	0.0020 J	0.0005 J	Tier I/II
08/14/06 - 08/15/06	0.0024 J	----------	0.0019 J	0.0019 J	0.0017 J	0.0008 J	0.0024 J	0.0016 J	Tier I/II

TABLE 5-2
SUMMARY OF 2006 PCB AMBIENT AIR SAMPLING RESULTS

HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
(all results are ug/m3)

Date	Northwest of OPCAs	Northwest of OPCAs colocated	West of OPCAs	West of OPCAs colocated	North of OPCAs	Southeast of OPCAs	Pittsfield Generating (PGE)	Background Sample Location - East of Building 9B	Data Validated?
08/21/06 - 08/22/06	0.0009 [3]	----------	0.0010 [3]	0.0009 [3]	0.0006 [3]	0.0011 [3]	0.0041 [3]	0.0009 [3]	Tier I/II
08/29/06 - 08/30/06	0.0004 [3]	----------	0.0008 [3]	0.0006 [3]	0.0006 [3]	0.0003 [3]	0.0007 [3]	0.0017 [3]	Tier I/II
08/31/06 - 09/01/06	0.0005 [3]	----------	0.0008 [3]	0.0008 [3]	ND	0.0008 [3]	0.0034 [3]	0.0008 [3]	Tier I/II
09/05/06 - 09/06/06	0.0015 [3]	----------	0.0013 [3]	0.0012 [3]	0.0016 [3]	0.0006 [3]	0.0021 [3]	0.0018 [3]	Tier I/II
09/07/06 - 09/08/06	0.0009 [3]	----------	0.0011 [3]	0.0011 [3]	0.0007 [3]	0.0011 [3]	0.0036 [3]	0.0008 [3]	Tier I/II
09/12/06 - 09/13/06	0.0008 [3]	----------	0.0006 [3]	0.0007 [3]	0.0003 [3]	0.0003 [3]	0.0007 [3]	0.0009 [3]	Tier I/II
09/14/06 - 09/15/06	0.0008 [3]	----------	0.0011 [3]	0.0011 [3]	0.0007 [3]	0.0004 [3]	0.0009 [3]	0.0012 [3]	Tier III
09/19/06 - 09/20/06	0.0016 [3]	----------	0.0015 [3]	0.0012 [3]	0.0032 [3]	0.0008 [3]	0.0024 [3]	0.0015 [3]	Tier I/II
09/21/06 - 09/22/06	ND	----------	0.0003 [3]	0.0003 [3]	ND	0.0007 [3]	0.0016 [3]	0.0004 [3]	Tier I/II
09/26/06 - 09/27/06	0.0004 [3]	----------	0.0005 [3]	0.0006 [3]	0.0004 [3]	0.0012 [3]	0.0030 [3]	0.0005 [3]	Tier I/II
09/28/06 - 09/29/06	0.0048 [3]	----------	0.0010 [3]	0.0010 [3]	0.0009 [3]	0.0004 [3]	0.0011 [3]	0.0008 [3]	Tier I/II
10/03/06 - 10/04/06	0.0015 [3]	----------	0.0008 [3]	0.0009 [3]	0.0007 [3]	0.0006 [3]	0.0024 [3]	0.0007 [3]	Tier I/II
10/05/06 - 10/06/06	0.0003 [3]	----------	ND	ND	ND	ND	0.0008 [3]	0.0003	Tier I/II
10/10/06 - 10/11/06	0.0005 FB [3]	----------	0.0006 FB [3]	0.0036 FB	0.0058 FB	0.0174 FBEJ	0.0009 FB [3]	0.0031 FB	Tier III
10/12/06 - 10/13/06	0.00038 [3]	----------	0.0004 [3]	0.0004 [3]	0.0004 [3]	0.0003 [3]	0.0006 [3]	0.0005 [3]	Tier I/II
10/17/06 - 10/18/06	0.0004 [3]	----------	0.0005 [3]	0.0006 [3]	ND	ND	0.0003 [3]	0.0007 [3]	Tier I/II
10/26/06 - 10/27/06	ND	----------	ND	ND	ND	ND	0.0007 [3,4]	ND	PDR [5]
11/01/06 - 11/02/06	0.0004 [3]	----------	0.0004 [3]	0.0004 [3]	ND	0.0004 [4]	0.0011 [3,4]	0.0003 [3]	PDR [5]
11/09/06 - 11/10/06	0.0004 [4]	----------	0.0007 [3,4]	0.0007 [3,4]	0.0004 [4]	0.0004 [4]	0.0009 [3,4]	0.0007 [3,4]	PDR [5]
12/12/06 - 12/13/06	ND	----------	ND	ND	ND	ND	ND	ND	PDR [5]
Exceedances of Notification Level (0.05 µg/m^3)	None	None	None	None	None	None	None	None	

(See Notes starting on Page 3)

TABLE 5-2
SUMMARY OF 2006 PCB AMBIENT AIR SAMPLING RESULTS

HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
(all results are ug/m3)

Notes:

All sampling activities performed by Berkshire Environmental Consultants, Inc. All analytical activities performed by SGS Environmental Services, Inc. or Northeast Analytical, Inc.

NA - Not Available

ND - Non Detect (<0.0003)

E - The compound was quantitated above the calibration range.

J - Sample results were qualified as estimated based on data validation.

R - Sample results were qualified as rejected based on data validation.

FB - Field blank Contamination

[1] No data available due to laboratory error.

[2] During the extraction step one of the SGS lab extractionists reported ethyl ether fumes. The analyst doing the extraction confirmed that the soxtherm had leaked and the extract volumes were low for a number of samples. The samples were analyzed but QA/QC review showed that the results were unacceptable. SGS' Lab Director and QA/QC group also confirmed that the low volume results were unacceptable. The lab only reported the validated results.

[3] Laboratory qualification (AF): Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

[4] Laboratory qualification (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 PCB present in sample that has undergone environmental alteration.

[5] Preliminary data review (PDR) was conducted based on the following data quality indicators associated with the tabulated data set above: sampling collection time, sampling calibration check, temperature receipt, associated blanks, laboratory control samples recoveries, and surrogate recoveries.

TABLE 5-3
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 2006

Month / Year	Total Volume of Leachate Transferred (Gallons)
December 2005	168,000
January 2006	185,000
February 2006	125,000
March 2006	70,000
April 2006	104,000
May 2006	137,000
June 2006	139,000
July 2006	111,000
August 2006	121,000
September 2006	110,000
October 2006	78,000
November 2006	47,000
December 2006	42,000

Leachate is transferred from the Building 71 On-Plant Consolidation

ITEM 6
PLANT AREA
HILL 78 AREA - REMAINDER
(GECD160)
DECEMBER 2006

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)

- Following EPA's approval of GE's September 18, 2006 Supplemental Data Letter, prepare and submit plan for additional soil sampling, as required by EPA, and initiate sampling required under GE's Supplemental Data Letter, as conditionally approved by EPA.*

- Following EPA's approval of GE's October 20, 2006 plan for rerouting of stormwater and sanitary sewer lines located beneath Hill 78 OPCA, prepare and submit proposal for additional soil sampling along proposed route for new pipeline installations.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 7
PLANT AREA
UNKAMET BROOK AREA
(GECD170)
DECEMBER 2006

a. Activities Undertaken/Completed

Continued activities related to the detailed surveys (including metes and bounds and topographic surveys) of the Unkamet Brook Area (being performed by Hill Engineers, Architects & Planners, Inc.).*

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Continue performing detailed surveys of the Unkamet Brook Area.*
- Submit results of detailed topographic survey of Unkamet Brook Area.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Several issues relating to GE's September 2005 Pre-Design Investigation Report and other GE submittals are under discussion with EPA.*

f. Proposed/Approved Work Plan Modifications

None

ITEM 8
FORMER OXBOW AREAS A & C
(GECD410)
DECEMBER 2006

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

a. Activities Undertaken/Completed

Conducted drum sampling at Building 78 of soil generated from work done at Former Oxbow Areas A and C, as identified in Table 8-1.

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 report on initial post-remediation inspection performed on November 29, 2006.
- Prepare Conditional Solution notification letters to owners of properties where Conditional Solutions have been implemented.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 8-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2006

FORMER OXBOW AREAS A AND C
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Building 78 Drum Sampling	OxbowA-Soil-1	12/21/06	Soil	SGS	PCB, TCLP	
Building 78 Drum Sampling	OxbowC-Soil-1	12/21/06	Soil	SGS	PCB, TCLP	

ITEM 9
LYMAN STREET AREA
(GECD430)
DECEMBER 2006

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

a. Activities Undertaken/Completed

Completed tree/shrub planting activities at properties west of Lyman Street.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Submit report on initial post-remediation inspection of properties west of Lyman Street (performed on November 29, 2006).

- Prepare Conditional Solution notification letters to owners of properties west of Lyman Street.

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 2006

*** 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)

- Continue preparation of Final Completion Report.
- Submit report on annual inspection of properties with Conditional Solutions (performed in November 2006).
- Submit report on semi-annual inspection of engineered barriers and restored and re-vegetated areas (performed in November 2006).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Revised drafts of EREs for GE-owned properties are under review by EPA and MDEP.

f. Proposed/Approved Work Plan Modifications

None

ITEM 11
NEWELL STREET AREA II
(GECD450)
DECEMBER 2006

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

a. Activities Undertaken/Completed

As discussed with EPA, GE temporarily suspended shipments of soil excavated from Parcel J9-23-8 to the selected disposal facility located in Port Arthur, Texas, due to capacity constraints and the need for the facility to shut down for maintenance. See Item 11.e below.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Submit report on the inspection of backfilled/restored areas and engineered barrier areas (performed in November 2006).

- Prepare Conditional Solution notification letters to owners of properties where Conditional Solutions have been implemented.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

As noted above, GE temporarily suspended shipments of soil excavated from Parcel J9-23-8 to the Port Arthur disposal facility due to capacity constraints and the need for the facility to shut down for maintenance. As this time, it is anticipated that shipments will resume in March 2007. GE is working with the facility to ship the remaining soil as soon as possible.

f. Proposed/Approved Work Plan Modifications

None

ITEM 12
FORMER OXBOW AREAS J & K
(GECD420)
DECEMBER 2006

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Submit report on the initial post-remediation inspection performed on November 1, 2006.
- Prepare Conditional Solution notification letters to owners of properties where Conditional Solutions have been implemented.

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 2006

*** 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

- Submitted report on 2006 inspection of restored bank vegetation (December 15, 2006).
- Submitted report on 2006 inspection of aquatic habitat enhancement structures and armor stone (December 15, 2006).
- Submitted report on July 2006 bank erosion inspection (December 14, 2006).

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

Prepare and submit report presenting results of seepage meter study and evaluation of total organic carbon (TOC) content in isolation layer.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

As noted above, GE plans to submit a report evaluating TOC content in the isolation layer shortly. The Final Completion Report for Upper ½ Mile Reach Removal Action will be submitted following EPA review and approval of that report.

f. Proposed/Approved Work Plan Modifications

None

ITEM 14
HOUSATONIC RIVER AREA
1½ MILE REACH
(GECD820)
DECEMBER 2006

(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 GE's behalf, BBL performed a round of water column monitoring at 10 locations along the Housatonic River between Coltsville, MA and Great Barrington, MA on December 19, 2006. 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), total suspended solids (TSS), POC, and chlorophyll-a, as identified in Table 14-1. (The other eight locations are discussed under Items 15 and 20 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 2006

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	12/19/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-4	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/14/06
Monthly Water Column Sampling	Location-6A	12/19/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-6A	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/14/06

TABLE 14-2
SAMPLE DATA RECEIVED DURING DECEMBER 2006

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	11/29/06	ND(0.0000220)	0.0000300 PE	ND(0.0000220)	ND(0.0000220)	0.0000300	0.238	3.10	0.00070
LOCATION-6A	Pomeroy Ave. Bridge	11/29/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.252	3.50	0.00060

Notes:

1. Samples were collected by ARCADIS BBL, 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:

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 2006

a. Activities Undertaken/Completed

- On GE's behalf, BBL performed a round of water column monitoring at 10 locations along the Housatonic River between Coltsville and Great Barrington, MA, on December 19, 2006. Two locations are situated in the 1½ Mile Reach of the Housatonic River and were discussed in Item 14. One location is at the outlet of Silver Lake and is discussed in Item 20 below. 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 these locations on December 19, 2006 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.

- Conducted placement of riprap in an area adjacent to Woods Pond Dam.

- Began work on installation of replacement gate at Rising Pond Dam.*

b. Sampling/Test Results

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted letter to EPA and Lead Administrative Trustee (LAT) notifying them of plan and schedule for installation of replacement gate at Rising Pond Dam (December 7, 2006).*

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

- Continue Housatonic River monthly water column monitoring.

- Work on development of Corrective Measures Study (CMS) Proposal (due to EPA on February 27, 2007).*

- Continue work on installation of replacement gate at Rising Pond Dam.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

ITEM 15
(cont'd)
HOUSATONIC RIVER AREA
REST OF THE RIVER
(GECD850)
DECEMBER 2006

f. Proposed/Approved Work Plan Modifications

None

TABLE 15-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2006

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
2006 Housatonic River YOY Sampling	GD-BG-161	10/16/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	GD-BG-162	10/16/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	GD-BG-163	10/16/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	GD-LB-134	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	GD-LB-135	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	GD-LB-136	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	GD-LB-137	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	GD-LB-138	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	GD-LB-139	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	GD-LB-140	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	GD-PK-164	10/16/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	GD-PK-165	10/16/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	GD-PK-166	10/16/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	GD-PK-167	10/16/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR2-BG-175	10/17/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR2-BG-176	10/17/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR2-BG-177	10/17/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR2-BG-180	10/18/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR2-BG-181	10/18/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR2-BG-182	10/18/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR2-LB-100	10/10/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR2-LB-101	10/10/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR2-LB-102	10/10/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR2-LB-103	10/10/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR2-LB-104	10/10/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR2-LB-105	10/10/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR2-LB-106	10/10/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR2-PK-178	10/17/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-BG-153	10/12/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-BG-154	10/12/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-BG-156	10/12/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-BG-168	10/17/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-BG-169	10/17/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-BG-170	10/17/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-BG-171	10/17/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-LB-141	10/12/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06

TABLE 15-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2006

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
2006 Housatonic River YOY Sampling	HR6-LB-142	10/12/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-LB-143	10/12/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-LB-144	10/12/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-LB-145	10/12/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-LB-146	10/12/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-LB-147	10/12/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-YP-148	10/12/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-YP-149	10/12/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-YP-150	10/12/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-YP-151	10/12/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-YP-172	10/17/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-YP-173	10/17/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	HR6-YP-174	10/17/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-BG-125	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-BG-126	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-BG-127	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-BG-128	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-BG-129	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-BG-130	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-BG-131	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-LB-111	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-LB-112	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-LB-113	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-LB-114	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-LB-115	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-LB-116	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-LB-117	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-YP-118	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-YP-119	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-YP-120	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-YP-121	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-YP-122	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-YP-123	10/11/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
2006 Housatonic River YOY Sampling	WP-YP-179	10/17/06	Biota	Pace Analytical	PCB, %Lipids	12/27/06
Monthly Water Column Sampling	HR-D1 (Location-12)	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/14/06
Monthly Water Column Sampling	HR-D1 (Location-12)	12/19/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	

TABLE 15-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2006

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	Location-1	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/14/06
Monthly Water Column Sampling	Location-1	12/19/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-10	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/14/06
Monthly Water Column Sampling	Location-10	12/19/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-12	12/19/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-12	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/14/06
Monthly Water Column Sampling	Location-13	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/14/06
Monthly Water Column Sampling	Location-13	12/19/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-2	12/19/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-2	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/14/06
Monthly Water Column Sampling	Location-7	12/19/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-7	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/14/06
Monthly Water Column Sampling	Location-9	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	12/14/06
Monthly Water Column Sampling	Location-9	12/19/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	

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

TABLE 15-2
SAMPLE DATA RECEIVED DURING DECEMBER 2006

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	11/29/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.339	2.90	0.00060
LOCATION-2	Newell Street Bridge	11/29/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.323	3.00	0.00070
LOCATION-7	Holmes Road Bridge	11/29/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.187	3.10	0.00070
LOCATION-9	New Lenox Road Bridge	11/29/06	ND(0.0000220)	ND(0.0000220)	0.0000270 AF	0.0000230 AG	0.0000500	0.232	3.90	0.0010
LOCATION-10	Headwaters of Woods Pond	11/29/06	ND(0.0000220)	ND(0.0000220)	0.0000240 AF	ND(0.0000220)	0.0000240	0.198	3.00	0.00090
LOCATION-12	Schweitzer Bridge	11/29/06 11/29/06	ND(0.0000220) [ND(0.0000220)]	ND(0.0000220) [ND(0.0000220)]	0.0000240 AF [0.0000330 AF]	ND(0.0000220) [0.0000270 AG]	0.0000240 [0.0000600]	0.221 [0.249]	2.10 [2.24]	0.0012 [0.0011]
LOCATION-13	Division Street Bridge	11/29/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.299	3.90	0.0010

Notes:

1. Samples were collected by ARCADIS BBL, 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.

TABLE 15-3
PCB AND % LIPIDS DATA RECEIVED DURING DECEMBER 2006
2006 HOUSATONIC RIVER YOY SAMPLING

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

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs	Percent Lipids (%)
GD-BG-161	10/16/2006	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	2.0	3.2	5.2	3.5
GD-BG-162	10/16/2006	ND(0.53)	ND(0.53)	ND(0.53)	ND(0.53)	ND(0.53)	1.1	1.7	2.8	2.2
GD-BG-163	10/16/2006	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	1.2	1.7	2.9	2.1
GD-LB-134	10/11/2006	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	2.8	4.4	7.2	2.9
GD-LB-135	10/11/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.5	4.2	6.7	2.6
GD-LB-136	10/11/2006	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	2.6	4.0	6.6	2.5
GD-LB-137	10/11/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.1	3.5	5.6	2.8
GD-LB-138	10/11/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.9	2.9	4.8	2.4
GD-LB-139	10/11/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.2	3.6	5.8	2.4
GD-LB-140	10/11/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.3	3.5	5.8	2.6
GD-PK-164	10/16/2006	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	2.3	4.2	6.5	3.7
GD-PK-165	10/16/2006	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	3.5	5.9	9.4	5.7
GD-PK-166	10/16/2006	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	2.1	3.7	5.8	4.1
GD-PK-167	10/16/2006	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	2.3	4.0	6.3	4.3
HR2-BG-175	10/17/2006	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	4.4	7.9	12.3	2.8
HR2-BG-176	10/17/2006	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	4.7	8.0	12.7	2.9
HR2-BG-177	10/17/2006	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	3.8	6.7	10.5	2.7
HR2-BG-180	10/18/2006	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	4.7	9.4	14.1	2.9
HR2-BG-181	10/18/2006	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	4.5	7.9	12.4	2.9
HR2-BG-182	10/18/2006	ND(2.3)	ND(2.3)	ND(2.3)	ND(2.3)	ND(2.3)	4.5	8.7	13.2	2.9
HR2-LB-100	10/10/2006	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	0.16	0.23	0.39	0.10
HR2-LB-101	10/10/2006	ND(3.2)	ND(3.2)	ND(3.2)	ND(3.2)	ND(3.2)	7.3	11	18.3	2.5
HR2-LB-102	10/10/2006	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	0.18	0.31	0.49	0.095
HR2-LB-103	10/10/2006	ND(2.7)	ND(2.7)	ND(2.7)	ND(2.7)	ND(2.7)	7.0	12	19	2.1
HR2-LB-104	10/10/2006	ND(2.7)	ND(2.7)	ND(2.7)	ND(2.7)	ND(2.7)	7.7	13	20.7	1.9
HR2-LB-105	10/10/2006	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.3)	8.8	16	24.8	3.0
HR2-LB-106	10/10/2006	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.3)	8.2	14	22.2	2.8
HR2-PK-178	10/17/2006	ND(3.4)	ND(3.4)	ND(3.4)	ND(3.4)	ND(3.4)	4.9	10	14.9	3.2
HR6-BG-153	10/12/2006	ND(0.32)	ND(0.32)	ND(0.32)	ND(0.32)	ND(0.32)	0.80	1.7	2.5	3.5
HR6-BG-154	10/12/2006	ND(0.32)	ND(0.32)	ND(0.32)	ND(0.32)	ND(0.32)	0.82	1.8	2.62	3.3
HR6-BG-156	10/12/2006	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	0.83	1.8	2.63	3.3
HR6-BG-168	10/17/2006	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	1.4	2.9	4.3	3.7
HR6-BG-169	10/17/2006	ND(0.58)	ND(0.58)	ND(0.58)	ND(0.58)	ND(0.58)	1.0	2.3	3.3	3.5
HR6-BG-170	10/17/2006	ND(0.53)	ND(0.53)	ND(0.53)	ND(0.53)	ND(0.53)	1.0	2.1	3.1	3.4
HR6-BG-171	10/17/2006	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.91	1.9	2.81	3.0
HR6-LB-141	10/12/2006	ND(0.63)	ND(0.63)	ND(0.63)	ND(0.63)	ND(0.63)	1.1	2.0	3.1	3.2
HR6-LB-142	10/12/2006	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	1.2	2.2	3.4	3.9

TABLE 15-3
PCB AND % LIPIDS DATA RECEIVED DURING DECEMBER 2006
2006 HOUSATONIC RIVER YOY SAMPLING

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

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs	Percent Lipids (%)
HR6-LB-143	10/12/2006	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	1.2	2.3	3.5	4.7
HR6-LB-144	10/12/2006	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	1.1	2.1	3.2	3.3
HR6-LB-145	10/12/2006	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	1.2	2.4	3.6	3.1
HR6-LB-146	10/12/2006	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.11	0.22	0.33	0.67
HR6-LB-147	10/12/2006	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	0.86	1.6	2.46	3.4
HR6-YP-148	10/12/2006	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	1.2	2.3	3.5	3.0
HR6-YP-149	10/12/2006	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	1.1	2.2	3.3	2.3
HR6-YP-150	10/12/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.6	3.1	4.7	3.4
HR6-YP-151	10/12/2006	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	1.1	2.1	3.2	2.5
HR6-YP-172	10/17/2006	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	1.3 J	2.5	3.8	2.6
HR6-YP-173	10/17/2006	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	0.73	1.9	2.63	2.2
HR6-YP-174	10/17/2006	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.14	0.22	0.36	2.6
WP-BG-125	10/11/2006	ND(2.6)	ND(2.6)	ND(2.6)	ND(2.6)	ND(2.6)	6.3	11	17.3	3.6
WP-BG-126	10/11/2006	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	7.2	11	18.2	3.6
WP-BG-127	10/11/2006	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	6.4	9.7	16.1	4.0
WP-BG-128	10/11/2006	ND(2.6)	ND(2.6)	ND(2.6)	ND(2.6)	ND(2.6)	7.8	12	19.8	3.7
WP-BG-129	10/11/2006	ND(3.3)	ND(3.3)	ND(3.3)	ND(3.3)	ND(3.3)	8.0	12	20	3.8
WP-BG-130	10/11/2006	ND(3.4)	ND(3.4)	ND(3.4)	ND(3.4)	ND(3.4)	6.7	11	17.7	3.4
WP-BG-131	10/11/2006	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	7.3	11	18.3	3.5
WP-LB-111	10/11/2006	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	11	18	29	2.7
WP-LB-112	10/11/2006	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	13	22	35	2.3
WP-LB-113	10/11/2006	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	13	21	34	2.3
WP-LB-114	10/11/2006	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	12	22	34	2.2
WP-LB-115	10/11/2006	ND(7.5)	ND(7.5)	ND(7.5)	ND(7.5)	ND(7.5)	10	18	28	3.1
WP-LB-116	10/11/2006	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	12	20	32	2.3
WP-LB-117	10/11/2006	ND(7.5)	ND(7.5)	ND(7.5)	ND(7.5)	ND(7.5)	11	20	31	2.7
WP-YP-118	10/11/2006	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	11	16	27	2.4
WP-YP-119	10/11/2006	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	10	16	26	2.9
WP-YP-120	10/11/2006	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	11	16	27	3.2
WP-YP-121	10/11/2006	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	8.7	12	20.7	2.6
WP-YP-122	10/11/2006	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	11	14	25	2.9
WP-YP-123	10/11/2006	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	11	15	26	2.8
WP-YP-179	10/17/2006	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	9.6	13	22.6	2.6

Notes:

1. Samples were collected by ARCADIS BBL, and submitted to Pace Analytical Services, Inc. for analysis of PCBs and % Lipids.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

ITEMS 16 & 17
HOUSATONIC RIVER FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1½-MILE REACH (GECD710 AND GECD720)
DECEMBER 2006

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

a. Activities Undertaken/Completed

Completed restoration activities at Phase 4 floodplain properties.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted *Supplemental Soil Evaluation Report and Removal Design/Removal Action Work Plan Addendum for Selected Phase 2 Floodplain Properties Adjacent to the 1½ Mile Reach of Housatonic River* (December 13, 2006)

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

Submit report on the inspection of backfilled/restored areas at Phase 3 floodplain properties (conducted in November 2006).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues.

f. Proposed/Approved Work Plan Modifications

None

ITEM 18
HOUSATONIC RIVER FLOODPLAIN
CURRENT RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE
(ACTUAL/POTENTIAL LAWNS)
(GECD730)
DECEMBER 2006

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, 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 2006

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)

Continue to receive results from outdoor air monitoring conducted by EPA.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 20
OTHER AREAS
SILVER LAKE AREA
(GECD600)
DECEMBER 2006

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

a. Activities Undertaken/Completed

- Conducted sediment trap sampling at Silver Lake Area, as identified in Table 20-1.
- Collected a monthly water column sample from the Silver Lake outfall on December 19, 2006 as identified in Table 20-1.
- Collected thirteen isolation layer material cores (67 segmented samples) from pilot study cap on December 27, 2006, as identified in Table 20-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled Activities (next six weeks)

- Prepare report related to bank soil removal associated with Pilot Study.
- Following EPA's approval of GE's Fourth Interim Pre-Design Investigation Report for Soils Adjacent to Silver Lake and the November 14, 2006 Addendum thereto, conduct additional soil sampling as required.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 20-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2006

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
Monthly Water Column Sampling	Location-4A	12/19/06	NA	Water	NEA	PCB, TSS	
Pilot Study Sediment Trap Sampling	SL-ST-Mon-1	12/20/06	NA	Sediment	NEA	TOC	12/28/06
Pilot Study Sediment Trap Sampling	SL-ST-Mon-2	12/20/06	NA	Sediment	NEA	TOC	12/28/06
Silver Lake Pilot Study Core Sampling	SL-122706-DUP-1 (SL-C-122706-2-4)	12/27/06	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-122706-DUP-2 (SL-E-122706-REM)	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-122706-DUP-3 (SL-G-122706-4-6)	12/27/06	4-6	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-122706-DUP-4 (SL-I-122706-REM)	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-A-122706-0-2	12/27/06	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-A-122706-2-4	12/27/06	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-A-122706-4-6	12/27/06	4-6	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-A-122706-TOP	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-B-122706-0-2	12/27/06	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-B-122706-2-4	12/27/06	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-B-122706-4-6	12/27/06	4-6	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-B-122706-TOP	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-C-122706-0-2	12/27/06	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-C-122706-2-4	12/27/06	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-C-122706-4-6	12/27/06	4-6	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-C-122706-REM	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-C-122706-TOP	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-D-122706-0-2	12/27/06	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-D-122706-2-4	12/27/06	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-D-122706-4-6	12/27/06	4-6	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-D-122706-TOP	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-E-122706-0-2	12/27/06	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-E-122706-2-4	12/27/06	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-E-122706-4-6	12/27/06	4-6	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-E-122706-REM	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-E-122706-TOP	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-F-122706-0-2	12/27/06	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-F-122706-2-4	12/27/06	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-F-122706-4-6	12/27/06	4-6	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-F-122706-REM	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-F-122706-SED	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-F-122706-TOP	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-G-122706-0-2	12/27/06	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-G-122706-2-4	12/27/06	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-G-122706-4-6	12/27/06	4-6	Sediment	NEA	PCB, TOC	

TABLE 20-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2006

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 Pilot Study Core Sampling	SL-G-122706-REM	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-G-122706-SED	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-G-122706-TOP	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-H-122706-0-2	12/27/06	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-H-122706-2-4	12/27/06	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-H-122706-4-6	12/27/06	4-6	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-H-122706-REM	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-H-122706-SED	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-H-122706-TOP	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-I-122706-0-2	12/27/06	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-I-122706-2-4	12/27/06	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-I-122706-4-6	12/27/06	4-6	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-I-122706-REM	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-I-122706-SED	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-I-122706-TOP	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-J-122706-0-2	12/27/06	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-J-122706-2-4	12/27/06	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-J-122706-4-6	12/27/06	4-6	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-J-122706-TOP	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-K-122706-0-2	12/27/06	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-K-122706-2-4	12/27/06	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-K-122706-4-6	12/27/06	4-6	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-K-122706-REM	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-K-122706-TOP	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-L-122706-0-2	12/27/06	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-L-122706-2-4	12/27/06	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-L-122706-4-6	12/27/06	4-6	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-L-122706-REM	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-L-122706-TOP	12/27/06	NA	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-M-122706-0-2	12/27/06	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-M-122706-2-4	12/27/06	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Pilot Study Core Sampling	SL-M-122706-4-6	12/27/06	4-6	Sediment	NEA	PCB, TOC	

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

TABLE 20-2
TOC DATA RECEIVED DURING DECEMBER 2006

PILOT STUDY SEDIMENT TRAP SAMPLING
SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID: / Date Collected:	SL-ST-MON-1 12/20/06	SL-ST-MON-2 12/20/06
Total Organic Carbon		
TOC - Replicate 1	32000	46000
TOC - Replicate 2	32000	48000
TOC - Replicate 3	32000	46000
TOC - Average	32000	47000
TOC - % RSD	1.2	2.9

Notes:
1. Samples were collected by ARCADIS BBL, and submitted to Northeast Analytical, Inc. for analysis of total organic carbon (TOC).
2. % RSD - Percent relative standard deviation.

ITEM 21
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GECD310)
DECEMBER 2006

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

a. Activities Undertaken/Completed

General:

- Conducted drum sampling at Building 78 of well development/purge water, LNAPL/DNAPL, and soil generated from wells within GMA 1, as identified in Table 21-1.

- Conducted routine groundwater elevation and NAPL monitoring activities.

East Street Area 1-North and South:

- Continued automated groundwater and NAPL pumping at North Side and South Side Caissons. No LNAPL was recovered from the North Side Caisson in December. Approximately 0.6 gallons of LNAPL were recovered from the South Side Caisson in December.

- Continued routine well monitoring and manual NAPL removal activities. Approximately 0.019 liters (0.005 gallons) of LNAPL were removed from this area during December.

East Street Area 2-South:

- Continued automated groundwater and LNAPL removal activities. A total of approximately 4,011,692 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 791 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. Approximately 18 gallons of DNAPL were removed from pumping system RW-3(X) during December.

- Continued routine well monitoring and manual NAPL removal activities. Approximately 10.050 liters (2.652 gallons) of LNAPL were removed from wells in this area during December. No DNAPL was removed from wells in this area during December.

- Treated/discharged 3,925,609 gallons of water through 64G Groundwater Treatment Facility.

ITEM 21
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GECD310)
DECEMBER 2006

a. Activities Undertaken/Completed (cont'd)

East Street Area 2-North:

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

20s, 30s, and 40s Complexes:

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

- Removed well O-R at the former 20s Complex and wells 95-15, GMA1-2, GMA 1-10, and RF-16 at the former 30s Complex per GE's approved May 22, 2006 proposal.

- Installed and developed replacement well RF-16R.

Lyman Street Area:

- Continued automated groundwater and NAPL removal activities. A total of approximately 205,096 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. No LNAPL was removed from wells in this area during December. Approximately 1.574 liters (0.415 gallons) of DNAPL were removed from wells in this area during December.

Newell Street Area II:

- Continued automated DNAPL removal activities. A total of approximately 54 gallons of DNAPL was removed by System 2 in December.

- Continued routine well monitoring and NAPL removal activities. Approximately 1.357 liters (0.358 gallons) of DNAPL were recovered from this area during December. No LNAPL was recovered from this area during December.

Silver Lake Area:

- Continued routine monitoring of staff gauge in lake.

ITEM 21
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GECD310)
DECEMBER 2006

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted addendum to evaluation of additional NAPL recovery measures and proposal to install LNAPL recovery well at 60s Complex (scrapyard portion of East Street Area 2-South) (submitted by e-mail on December 14, 2006).

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

- Submit Supplemental Groundwater Quality Monitoring Report for Fall 2006 (due by January 31, 2007).
- Begin preparation of Semi-Annual NAPL Monitoring Report for Fall 2006 (due by February 28, 2007).
- Continue routine groundwater and NAPL monitoring/recovery activities.
- Repair/replace wells that were damaged during Newell Street Area II Removal Action.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

The replacement for monitoring well O-R was not installed, as the proposed location was not accessible to the drill rig. No suitable alternate locations could be identified where a well could be installed at this time, due to future changes in the ground surface that are proposed for this area. Following discussions among representatives of GE, EPA, and PEDA, it was decided that the well would be installed in 2007 following construction/re-grading activities in this area. At that time, GE will also extend or cut certain existing wells to fit the final grade, as discussed in GE's May 22, 2006 proposal.

f. Proposed/Approved Work Plan Modifications

None

TABLE 21-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2006

GROUNDWATER MANAGEMENT AREA 1
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Building 78 Drum Sampling	BLDG.78-A3342A3343	12/14/06	Soil	SGS	PCB, TCLP	
Building 78 Drum Sampling	BLDG78-B0567	12/12/06	Water	SGS	PCB, Total RCRA Metals	
Building 78 Drum Sampling	BLDG78-B0567	12/12/06	Water	SGS	VOC, SVOC	
Building 78 Drum Sampling	BLDG.78-F2303	12/14/06	Oil	SGS	PCB, VOC, SVOC, Flashpoint, Total RCRA Metals	
Building 78 Drum Sampling	BLDG.78-LYMANST.HUT	12/14/06	Oil	SGS	PCB, VOC, SVOC, Flashpoint, Total RCRA Metals	
Building 78 Drum Sampling	F2284-1, F2288-1, F2302-1	12/7/06	Oil	SGS	PCB, VOC, SVOC, Total RCRA Metals	
Building 78 Drum Sampling	F2593-1	12/7/06	Oil	SGS	PCB, VOC, SVOC, Total RCRA Metals	
Sampling of Well Development Water	F1691-1	12/6/06	Liquid	SGS	PCB, VOC, SVOC, Total RCRA Metals	

TABLE 21-2
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 2006

Caisson	Month	Vol. LNAPL Collected (gallon)	Vol. Water Recovered (gallon)	Percent Downtime
Northside	December 2005	12.0	33,900	
	January 2006	1.0	44,300	
	February 2006	1.0	27,700	
	March 2006	5.0	26,800	0.71
	April 2006	0.0	17,500	
	January 1900	0.0	20,500	
	June 2006	0.0	51,700	
	July 2006	0.0	18,500	
	August 2006	0.0	21,700	
	September 2006	0.0	13,000	0.89
	October 2006	0.0	17,000	
	November 2006	1.1	26,700	
	December 2006	0.0	13,700	
Southside	December 2005	0.0	112,800	
	January 2006	15.0	98,400	
	February 2006	0.0	98,500	
	March 2006	3.0	121,500	0.71
	April 2006	12.0	76,200	
	May 2006	12.0	73,500	
	June 2006	0.0	160,900	
	July 2006	0.0	58,900	
	August 2006	0.0	84,900	
	September 2006	25.0	59,400	0.89
	October 2006	1.0	55,800	
	November 2006	1.1	92,200	
	December 2006	0.6	64,400	

TABLE 21-3
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 2006

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	December 2006 Removal (liters)
34	12/19/2006	5.91	5.90	0.01	0.006	0.006
72	12/19/2006	6.70	6.68	0.02	0.012	0.012

Total Manual LNAPL Removal for December 2006: 0.019 liters
0.005 gallons

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

TABLE 21-4
ROUTINE WELL MONITORING
EAST STREET AREA 1 - NORTH & SOUTH
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

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	12/5/2006	18.42	18.40	0.02	---	19.80	0.00	979.44
North Caisson	997.84	12/13/2006	18.40	18.39	0.01	---	19.80	0.00	979.45
North Caisson	997.84	12/20/2006	18.23	18.22	0.01	---	19.80	0.00	979.62
North Caisson	997.84	12/27/2006	18.25	18.24	0.01	---	19.80	0.00	979.60
GMA 1 - East Street Area 1 - South									
31R	1,000.23	12/19/2006	9.40	---	0.00	---	15.03	0.00	990.83
33	999.50	12/19/2006	6.68	---	0.00	---	21.28	0.00	992.82
34	999.90	12/19/2006	5.91	5.90	0.01	---	21.03	0.00	994.00
72	1000.62	12/19/2006	6.70	6.68	0.02	---	21.95	0.00	993.94
72R	1000.92	12/19/2006	6.62	---	0.00	---	13.30	0.00	994.30
South Caisson	1001.11	12/5/2006	14.36	14.35	0.01	---	15.00	0.00	986.76
South Caisson	1001.11	12/13/2006	14.61	14.60	0.01	---	15.00	0.00	986.51
South Caisson	1001.11	12/20/2006	14.60	14.59	0.01	---	15.00	0.00	986.52
South Caisson	1001.11	12/27/2006	14.41	14.40	0.01	---	15.00	0.00	986.71

Notes:

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

TABLE 21-5
AUTOMATED LNAPL/DNAPL & GROUNDWATER RECOVERY SYSTEMS
EAST STREET AREA 2 - SOUTH
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
December 2006

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
17W	October 2006	21		
	November 2006	24		
	December 2006	13		
40R	December 2005	0		
	January 2006	0		
	February 2006	0		
	March 2006	0		
	April 2006	0		
	May 2006	0		
	June 2006	0		
	July 2006	0		
	August 2006	0		
	September 2006	0		
	October 2006	0		
	November 2006	0		
	December 2006	0		
64R	December 2005	400	1,062,900	
	January 2006	400	896,700	
	February 2006	375	899,800	
	March 2006	150	170,611	0.71
	April 2006	75	375,609	
	May 2006	75	435,398	
	June 2006	550	720,359	
	July 2006	250	345,697	
	August 2006	25	38,948	
	September 2006	75	4,627	0.89
	October 2006	0	16,844	0.15
	November 2006	12.5	211,062	
	December 2006	18.8	85,911	
64S System	December 2005	170	927,871	
	January 2006	245	1,080,795	
	February 2006	673	1,304,005	
	March 2006	1,285	1,078,733	2.14
	April 2006	558	696,282	5.36
	May 2006	51	668,110	1.79
	June 2006	327	1,061,071	0.93
	July 2006	472	732,853	0.93
	August 2006	238	646,128	
	September 2006	188	393,032	0.89
	October 2006	82	400,898	0.30
	November 2006	75	682,641	3.37
	December 2006	209	638,261	
64V [1]	December 2005	564	1,117,000	
	January 2006	697	1,208,800	
	February 2006	598	1,177,900	
	March 2006	315	1,251,800	0.71
	April 2006	249	901,800	
	May 2006	431	911,700	
	June 2006	697	1,228,300	
	July 2006	548	885,300	
	August 2006	548	1,016,400	
	September 2006	332	794,600	0.89
	October 2006	432	825,400	0.15
	November 2006	855	1,181,500	
	December 2006	493	1,017,800	

TABLE 21-5
AUTOMATED LNAPL/DNAPL & GROUNDWATER RECOVERY SYSTEMS
EAST STREET AREA 2 - SOUTH
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
December 2006

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
64X	December 2005	6	417,600	
	January 2006	1	417,600	
	February 2006	1	388,800	
	March 2006	1	504,000	0.71
	April 2006	1	403,200	
	May 2006	83	403,200	
	June 2006	14	518,400	
	July 2006	28	388,800	
	August 2006	127	504,000	
	September 2006	24.2	403,200	0.89
	October 2006	68.2	403,200	0.15
	November 2006	13.9	489,600	
	December 2006	14.9	446,400	
RW-2(X)	December 2005	0	491,800	
	January 2006	0	710,700	
	February 2006	0	1,288,600	
	March 2006	0	1,081,726	0.71
	April 2006	10	408,494	
	May 2006	0	652,543	
	June 2006	0	1,463,805	
	July 2006	0	1,076,551	
	August 2006	0	1,146,830	
	September 2006	1	546,233	0.89
	October 2006	0	574,780	0.15
	November 2006		742,383	
	December 2006	0	681,784	
RW-1(S) [2]	December 2005	40	900,898	
	January 2006	30	270,228	
	February 2006	27	1,042,895	
	March 2006	40	1,049,702	0.71
	April 2006	57	736,984	
	May 2006	77	744,621	
	June 2006	59	935,039	4.63
	July 2006	28	722,887	
	August 2006	17	741,315	
	September 2006	12	554,826	0.89
	October 2006	31	583,596	0.00
	November 2006	85	877,320	5.88
	December 2006	43	706,488	
RW-1(X)	December 2005	0	324,500	
	January 2006	0	417,500	
	February 2006	0	381,500	
	March 2006	0	119,720	0.71
	April 2006	0	403,940	
	May 2006	0	385,828	
	July 2006	0	561,633	
	June 2006	0	369,041	
	August 2006	0	471,215	
	September 2006	1.1	374,761	0.89
	October 2006	0	397,949	0.15
	November 2006	2	545,763	
	December 2006	0	435,048	

TABLE 21-5
AUTOMATED LNAPL/DNAPL & GROUNDWATER RECOVERY SYSTEMS
EAST STREET AREA 2 - SOUTH
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
December 2006

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
RW-3(X)	December 2005	31		
	January 2006	27		
	February 2006	20		
	March 2006	36		
	April 2006	29		
	May 2006	29		
	June 2006	42		
	July 2006	28		
	August 2006	37		
	September 2006	26		
	October 2006	22		
	November 2006	32		5.88
	December 2006	18		

Summary of Total Automated Removal		
Water:	**4,011,692**	**Gallons**
LNAPL:	**791**	**Gallons**
DNAPL:	**18**	**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 January 2006.
3. The flow meters at recovery wells RW-1(X), RW-2(X), 64X(W), and 64R were reset in March 2006.

TABLE 21-6
WELL MONITORING AND RECOVERY OF LNAPL
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	December 2006 Removal (liters)
13	12/11/2006	17.68	17.60	0.08	0.049	0.049
14	12/11/2006	17.80	17.70	0.10	0.062	0.062
25R	12/11/2006	22.84	19.90	2.94	1.814	1.814
48	12/11/2006	17.30	15.45	1.85	1.191	1.191
55	12/11/2006	16.70	16.40	0.30	0.185	0.185
95-04R	12/11/2006	15.10	13.76	1.34	3.312	3.312
95-07R	12/11/2006	18.67	18.66	0.01	0.006	0.006
GMA1-15	12/6/2006	15.40	15.00	0.40	0.247	1.259
	12/11/2006	15.94	15.21	0.73	0.450	
	12/20/2006	15.85	15.42	0.43	0.265	
	12/27/2006	15.70	15.22	0.48	0.296	
GMA1-16	12/6/2006	12.87	12.80	0.07	0.012	0.271
	12/11/2006	13.24	13.12	0.12	0.074	
	12/20/2006	13.61	13.36	0.25	0.154	
	12/27/2006	13.30	13.25	0.05	0.031	
GMA1-19	12/6/2006	11.28	10.84	0.44	0.271	1.900
	12/11/2006	12.20	10.98	1.22	0.753	
	12/20/2006	12.03	11.15	0.88	0.543	
	12/27/2006	11.54	11.00	0.54	0.333	

Total LNAPL Removal East Street Area 2 - South for December 2006: 10.050 liters
2.652 gallons

Total LNAPL Removal for December 2006: 10.050 liters
2.652 gallons

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

TABLE 21-7
64G TREATMENT PLANT DISCHARGE DATA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

Date	Housatonic River Discharge (gallons)	Recharge Pond Discharge (gallons)	Total Discharge (gallons)
December 2005	5,678,290	104,185	5,782,475
January 2006	6,317,250	89,159	6,406,409
February 2006	8,371,400	114,659	8,486,059
March 2006	5,301,850	200,184	5,502,034
April 2006	4,830,590	255,870	5,086,460
May 2006	5,110,840	263,791	5,374,631
June 2006	5,067,810	293,825	5,361,635
July 2006	4,631,550	348,554	4,980,104
August 2006	3,542,620	322,375	3,864,995
September 2006	2,938,190	327,432	3,265,622
October 2006	3,358,570	240,091	3,598,661
November 2006	4,003,730	173,630	4,177,360
December 2006	3,733,070	192,539	3,925,609

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

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

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

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)
East Street Area 2 - South									
13	990.88	12/11/2006	17.68	17.60	0.08	---	22.30	0.00	973.27
14	991.61	12/11/2006	17.80	17.70	0.10	---	25.64	0.00	973.90
19	983.59	12/6/2006	10.85	---	0.00	---	18.02	0.00	972.74
19	983.59	12/11/2006	11.03	---	0.00	---	18.03	0.00	972.56
19	983.59	12/20/2006	11.25	---	0.00	---	18.01	0.00	972.34
19	983.59	12/27/2006	10.84	---	0.00	---	18.00	0.00	972.75
25R	998.31	12/11/2006	22.84	19.90	2.94	---	30.74	0.00	978.20
26RR	1,000.58	12/11/2006	21.34	21.20	0.14	---	28.48	0.00	979.37
40R	991.60	12/11/2006	13.92	---	0.00	---	22.95	0.00	977.68
48	992.39	12/11/2006	17.30	15.45	1.85	---	22.62	0.00	976.81
49R	988.71	12/11/2006	15.32	---	0.00	---	24.88	0.00	973.39
49RR	989.80	12/11/2006	16.35	---	0.00	---	23.03	0.00	973.45
55	989.45	12/11/2006	16.70	16.40	0.30	---	30.05	0.00	973.03
64R	993.37	12/5/2006	15.91	15.90	0.01	---	20.50	0.00	977.47
64R	993.37	12/13/2006	16.40	16.37	0.03	---	20.50	0.00	977.00
64R	993.37	12/20/2006	16.75	16.74	0.01	---	20.50	0.00	976.63
64R	993.37	12/29/2006	15.70	15.69	0.01	---	20.50	0.00	977.68
64S	984.48	12/5/2006	19.20	P	< 0.01	---	28.70	0.00	965.28
64S	984.48	12/13/2006	19.20	19.19	0.01	---	28.70	0.00	965.29
64S	984.48	12/20/2006	19.25	P	< 0.01	---	28.70	0.00	965.23
64S	984.48	12/29/2006	19.20	19.19	0.01	---	28.70	0.00	965.29
64S-Caisson	NA	12/5/2006	10.10	P	< 0.01	---	14.55	0.00	NA
64S-Caisson	NA	12/13/2006	10.40	10.39	0.01	---	14.55	0.00	NA
64S-Caisson	NA	12/20/2006	10.65	10.62	0.03	---	14.55	0.00	NA
64S-Caisson	NA	12/29/2006	10.60	10.58	0.02	---	14.55	0.00	NA
64V	987.29	12/5/2006	22.20	21.70	0.50	P	29.60	< 0.01	965.56
64V	987.29	12/13/2006	22.10	21.60	0.50	---	29.60	0.00	965.66
64V	987.29	12/20/2006	22.00	21.65	0.35	P	29.60	< 0.01	965.62
64V	987.29	12/29/2006	22.00	21.70	0.30	---	29.60	0.00	965.57
64X(N)	984.83	12/5/2006	11.71	11.70	0.01	---	15.85	0.00	973.13
64X(N)	984.83	12/13/2006	12.10	12.09	0.01	---	15.85	0.00	972.74
64X(N)	984.83	12/20/2006	12.20	12.19	0.01	---	15.85	0.00	972.64
64X(N)	984.83	12/29/2006	11.90	11.89	0.01	---	15.85	0.00	972.94
64X(S)	981.56	12/5/2006	14.72	14.70	0.02	---	23.82	0.00	966.86
64X(S)	981.56	12/13/2006	15.30	15.22	0.08	---	23.82	0.00	966.33
64X(S)	981.56	12/20/2006	15.36	15.28	0.08	---	23.82	0.00	966.27
64X(S)	981.56	12/29/2006	15.00	14.93	0.07	---	23.82	0.00	966.63
64X(W)	984.87	12/5/2006	17.90	17.89	0.01	---	24.35	0.00	966.98
64X(W)	984.87	12/13/2006	18.22	18.21	0.01	---	24.35	0.00	966.66
64X(W)	984.87	12/20/2006	18.40	18.39	0.01	---	24.35	0.00	966.48
64X(W)	984.87	12/29/2006	18.00	17.99	0.01	---	24.35	0.00	966.88
95-01	983.77	12/11/2006	10.30	---	0.00	---	17.20	0.00	973.47
95-04R	988.70	12/11/2006	15.10	13.76	1.34	---	22.00	0.00	974.85
95-07R	994.91	12/11/2006	18.67	18.66	0.01	---	26.05	0.00	976.25
3-6C-EB-22	986.94	12/11/2006	13.94	---	0.00	---	20.01	0.00	973.00
E2SC-23	992.07	12/11/2006	15.25	---	0.00	---	21.15	0.00	976.82
E2SC-24	987.90	12/11/2006	15.54	---	0.00	---	21.62	0.00	972.36
ES2-06	986.00	12/11/2006	13.06	---	0.00	---	34.56	0.00	972.94
GMA1-14	997.43	12/11/2006	18.38	---	0.00	---	23.24	0.00	979.05
GMA1-15	988.59	12/6/2006	15.40	15.00	0.40	---	17.84	0.00	973.56
GMA1-15	988.59	12/11/2006	15.94	15.21	0.73	---	17.84	0.00	973.33
GMA1-15	988.59	12/20/2006	15.85	15.42	0.43	---	17.84	0.00	973.14

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

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

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)
GMA1-15	988.59	12/27/2006	15.70	15.22	0.48	---	17.84	0.00	973.34
GMA1-16	986.82	12/6/2006	12.87	12.80	0.07	---	20.00	0.00	974.02
GMA1-16	986.82	12/11/2006	13.24	13.12	0.12	---	20.00	0.00	973.69
GMA1-16	986.82	12/20/2006	13.61	13.36	0.25	---	19.96	0.00	973.44
GMA1-16	986.82	12/27/2006	13.30	13.25	0.05	---	19.95	0.00	973.57
GMA1-17E	993.03	12/11/2006	15.10	15.09	0.01	---	17.30	0.00	977.94
GMA1-19	984.28	12/6/2006	11.28	10.84	0.44	---	17.13	0.00	973.41
GMA1-19	984.28	12/11/2006	12.20	10.98	1.22	---	17.14	0.00	973.21
GMA1-19	984.28	12/20/2006	12.03	11.15	0.88	---	17.14	0.00	973.07
GMA1-19	984.28	12/27/2006	11.54	11.00	0.54	---	17.13	0.00	973.24
GMA1-20	983.49	12/6/2006	10.40	---	0.00	---	17.30	0.00	973.09
GMA1-20	983.49	12/11/2006	10.60	---	0.00	---	17.30	0.00	972.89
GMA1-20	983.49	12/20/2006	10.80	---	0.00	---	17.30	0.00	972.69
GMA1-20	983.49	12/27/2006	10.52	---	0.00	---	17.30	0.00	972.97
GMA1-21	985.68	12/6/2006	12.48	---	0.00	---	19.48	0.00	973.20
GMA1-21	985.68	12/11/2006	12.72	---	0.00	---	19.46	0.00	972.96
GMA1-21	985.68	12/20/2006	12.90	---	0.00	---	19.45	0.00	972.78
GMA1-21	985.68	12/27/2006	12.65	---	0.00	---	19.44	0.00	973.03
GMA1-22	988.45	12/6/2006	14.80	---	0.00	---	19.25	0.00	973.65
GMA1-22	988.45	12/11/2006	15.00	---	0.00	---	19.24	0.00	973.45
GMA1-22	988.45	12/20/2006	15.20	---	0.00	---	19.23	0.00	973.25
GMA1-22	988.45	12/27/2006	15.00	---	0.00	---	19.24	0.00	973.45
GMA1-23	986.16	12/6/2006	12.56	---	0.00	---	17.30	0.00	973.60
GMA1-23	986.16	12/11/2006	12.80	---	0.00	---	17.30	0.00	973.36
GMA1-23	986.16	12/20/2006	13.10	---	0.00	---	17.30	0.00	973.06
GMA1-23	986.16	12/27/2006	12.88	---	0.00	---	17.31	0.00	973.28
GMA1-24	983.81	12/6/2006	10.72	---	0.00	---	16.10	0.00	973.09
GMA1-24	983.81	12/11/2006	10.92	---	0.00	---	16.09	0.00	972.89
GMA1-24	983.81	12/20/2006	11.10	---	0.00	---	16.10	0.00	972.71
GMA1-24	983.81	12/27/2006	10.85	---	0.00	---	16.09	0.00	972.96
HR-G2-MW-1	982.60	12/11/2006	10.95	---	0.00	---	18.23	0.00	971.65
HR-G2-MW-2	981.39	12/11/2006	8.70	---	0.00	---	17.66	0.00	972.69
HR-G2-MW-3	987.14	12/11/2006	14.72	---	0.00	---	21.98	0.00	972.42
HR-G2-RW-1	976.88	12/11/2006	6.40	---	0.00	---	18.72	0.00	972.10
RW-1(S)	987.23	12/5/2006	19.10	18.90	0.20	---	28.60	0.00	968.32
RW-1(S)	987.23	12/13/2006	19.04	18.70	0.34	---	28.60	0.00	968.51
RW-1(S)	987.23	12/20/2006	19.20	18.95	0.25	---	28.60	0.00	968.26
RW-1(S)	987.23	12/29/2006	19.20	19.06	0.14	---	28.60	0.00	968.16
RW-1(X)	982.68	12/5/2006	13.20	13.14	0.06	---	20.80	0.00	969.54
RW-1(X)	982.68	12/13/2006	14.90	14.80	0.10	---	20.80	0.00	967.87
RW-1(X)	982.68	12/20/2006	14.10	14.08	0.02	---	20.80	0.00	968.60
RW-1(X)	982.68	12/29/2006	14.30	14.25	0.05	---	20.80	0.00	968.43
RW-2(X)	985.96	12/5/2006	13.00	---	0.00	---	15.30	0.00	972.96
RW-2(X)	985.96	12/13/2006	13.13	13.13	0.00	---	15.30	0.00	972.83
RW-2(X)	985.96	12/20/2006	13.42	---	0.00	---	15.30	0.00	972.54
RW-2(X)	985.96	12/29/2006	13.08	---	0.00	---	15.30	0.00	972.88
RW-3(X)	980.28	12/5/2006	8.50	---	0.00	42.00	44.40	2.40	971.78
RW-3(X)	980.28	12/13/2006	9.62	---	0.00	42.50	44.40	1.90	970.66
RW-3(X)	980.28	12/20/2006	9.90	---	0.00	42.50	44.40	1.90	970.38
RW-3(X)	980.28	12/29/2006	9.82	---	0.00	42.10	44.40	2.30	970.46
Housatonic River									
SG-HR-1	990.73	12/6/2006	19.21	See Note 6 regarding depth to water					971.52
SG-HR-1	990.73	12/13/2006	19.32	See Note 6 regarding depth to water					971.41

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

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

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)
SG-HR-1	990.73	12/20/2006	19.58	See Note 6 regarding depth to water					971.15
SG-HR-1	990.73	12/27/2006	18.68	See Note 6 regarding depth to water					972.05

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
5. Well HR-G2-RW-1 is constructed at an angle of 41.67 degrees from vertical. Depth to water data reflect measurements collected along the angled well casing. Groundwater elevations are corrected to account for the angle of the well casing.
6. 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 21-9
ACTIVE RECOVERY SYSTEMS MONTHLY SUMMARY
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

Month / Year	Volume Water Pumped (gallon)	RW-1 DNAPL Recovered (gallon)	RW-1R LNAPL Recovered (gallon)	RW-3 LNAPL Recovered (gallon)
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	302,572	--	--	--
September 2005	198,753	--	--	--
October 2005	314,247	--	--	--
November 2005	412,936	--	--	--
December 2005	332,721	--	--	--
January 2006	342,548	--	--	--
February 2006	336,595	--	--	--
March 2006	322,169	--	--	--
April 2006	245,626	--	--	--
May 2006	253,821	--	--	--
June 2006	562,906	--	--	--
July 2006	206,016	--	--	--
August 2006	216,359	--	--	--
September 2006	172,604	--	--	--
October 2006	184,541	--	--	--
November 2006	270,731	--	--	--
December 2006	205,096	--	--	--

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 for RW-1/1R, RW-2, and RW-3 during December 2006.

TABLE 21-10
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	December 2006 Removal (liters)
LS-30	12/12/2006	13.98	21.02	1.18	0.728	0.728
LSSC-07	12/6/2006	10.91	24.75	0.33	0.204	0.846
	12/12/2006	11.10	24.75	0.33	0.204	
	12/20/2006	11.20	24.80	0.28	0.173	
	12/27/2006	10.74	24.65	0.43	0.265	

Total Manual DNAPL Removal for December 2006: 1.574 liters
0.415 gallons

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

TABLE 21-11
ROUTINE WELL MONITORING
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

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)
EPA-01	983.04	12/12/2006	12.50	---	0.00	---	22.65	0.00	970.54
LS-24	986.58	12/12/2006	13.86	---	0.00	---	15.10	0.00	972.72
LS-30	986.440	12/12/2006	13.98	---	0.00	21.02	22.20	1.18	972.46
LS-31	987.090	12/12/2006	13.71	13.68	0.03	23.09	23.32	0.23	973.41
LS-38	986.95	12/12/2006	15.78	---	0.00	---	25.03	0.00	971.17
LS-44	980.78	12/12/2006	9.98	---	0.00	---	24.75	0.00	970.80
LSSC-07	982.48	12/6/2006	10.91	---	0.00	24.75	25.08	0.33	971.57
LSSC-07	982.48	12/12/2006	11.10	---	0.00	24.75	25.08	0.33	971.38
LSSC-07	982.48	12/20/2006	11.20	---	0.00	24.80	25.08	0.28	971.28
LSSC-07	982.48	12/27/2006	10.74	---	0.00	24.65	25.08	0.43	971.74
LSSC-08I	983.13	12/6/2006	12.42	---	0.00	---	23.37	0.00	970.71
LSSC-08I	983.13	12/12/2006	12.60	---	0.00	---	23.36	0.00	970.53
LSSC-08I	983.13	12/20/2006	12.70	---	0.00	---	23.36	0.00	970.43
LSSC-08I	983.13	12/27/2006	12.03	---	0.00	---	23.35	0.00	971.10
LSSC-08S	983.11	12/12/2006	12.63	---	0.00	---	14.68	0.00	970.48
LSSC-16I	980.88	12/12/2006	9.40	---	0.00	---	28.53	0.00	971.48
LSSC-18	987.32	12/12/2006	14.60	---	0.00	---	18.58	0.00	972.72
LSSC-32	980.68	12/12/2006	9.54	---	0.00	---	35.24	0.00	971.14
LSSC-33	980.49	12/12/2006	9.38	---	0.00	---	29.15	0.00	971.11
RW-1	984.88	12/5/2006	12.19	---	0.00	---	21.00	0.00	972.69
RW-1	984.88	12/13/2006	13.50	P	< 0.01	---	21.00	0.00	971.38
RW-1	984.88	12/20/2006	12.35	---	0.00	---	21.00	0.00	972.53
RW-1	984.88	12/29/2006	12.25	P	< 0.01	P	21.00	< 0.01	972.63
RW-1 (R)	985.07	12/5/2006	16.65	P	< 0.01	P	20.42	< 0.01	968.42
RW-1 (R)	985.07	12/13/2006	15.88	P	< 0.01	P	20.42	< 0.01	969.19
RW-1 (R)	985.07	12/20/2006	15.65	---	0.00	P	20.42	< 0.01	969.42
RW-1 (R)	985.07	12/29/2006	15.70	15.69	0.01	P	20.42	< 0.01	969.38
RW-2	987.82	12/5/2006	14.00	---	0.00	---	21.75	0.00	973.82
RW-2	987.82	12/13/2006	14.60	---	0.00	---	21.75	0.00	973.22
RW-2	987.82	12/20/2006	14.65	---	0.00	---	21.75	0.00	973.17
RW-2	987.82	12/29/2006	14.48	---	0.00	---	21.75	0.00	973.34
RW-3	984.08	12/5/2006	16.43	16.41	0.02	---	21.57	0.00	967.67
RW-3	984.08	12/13/2006	16.60	16.50	0.10	---	21.57	0.00	967.57
RW-3	984.08	12/20/2006	16.58	16.57	0.01	---	21.57	0.00	967.51
RW-3	984.08	12/29/2006	16.70	16.66	0.04	---	21.57	0.00	967.42

TABLE 21-11
ROUTINE WELL MONITORING
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

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 (Lyman Street Bridge)									
BM-2A	986.32	12/6/2006	16.35	See Note 4 regarding depth to water					969.97
BM-2A	986.32	12/13/2006	16.21	See Note 4 regarding depth to water					970.11
BM-2A	986.32	12/20/2006	16.38	See Note 4 regarding depth to water					969.94
BM-2A	986.32	12/27/2006	15.62	See Note 4 regarding depth to water					970.70

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity
3. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
4. A survey reference point (BM-2A) was established on the Lyman Street Bridge. The "Depth to Water" value(s) provided in the above table refer to the vertical distance from the surveyed reference point to the water surface.

TABLE 21-12
ACTIVE DNAPL RECOVERY SYSTEMS MONTHLY SUMMARY
NEWELL STREET AREA II
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

Recovery System	Date	Total Gallons Recovered
System 2[1]	December 2005	--[2]
	January 2006	--[2]
	February 2006	--[2]
	March 2006	--[2]
	April 2006	--[2]
	May 2006	--[2]
	June 2006	--[2]
	July 2006	--[2]
	August 2006	--[2]
	September 2006	97.2
	October 2006	340.2
	November 2006	224.1
	December 2006	54.0
Total Automated DNAPL Removal for December 2006:		54.0

Notes:

1. System 2 wells are N2SC-01I(R), N2SC-03I(R), and N2SC-14.
2. The DNAPL recovery systems for the Newell Street Area II were shut down on July 25, 2005. An upgraded system was completed and activated on August 30, 2006.

TABLE 21-13
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

CONSENT DECREE MONTHLY STATUS REPORT
GROUNDWATER MANAGEMENT AREA 1 - NEWELL STREET AREA II
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL
December 2006

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	December 2006 Removal (liters)
N2SC-07	12/12/2006	10.36	35.65	0.10	0.062	0.062
N2SC-08	12/12/2006	11.55	39.05	2.10	1.296	1.296

Total DNAPL Removal for December 2006: 1.357 liters
0.358 gallons

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

TABLE 21-14
ROUTINE WELL MONITORING
NEWELL STREET AREA II
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

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	12/12/2006	10.60	---	0.00	36.40	40.40	4.00	974.39
N2SC-01I(R)	986.01	12/5/2006	15.38	---	0.00	41.80	42.60	0.80	970.63
N2SC-01I(R)	986.01	12/13/2006	15.6	---	0.00	42.25	42.60	0.35	970.41
N2SC-01I(R)	986.01	12/20/2006	15.72	---	0.00	41.90	42.60	0.70	970.29
N2SC-01I(R)	986.01	12/27/2006	15.32	---	0.00	41.50	42.60	1.10	970.69
N2SC-02	985.56	12/12/2006	11.30	---	0.00	---	38.35	0.00	974.26
N2SC-03I	986.24	12/12/2006	12.15	---	0.00	35.80	37.75	1.95	974.09
N2SC-03I(R)	985.86	12/5/2006	13.46	---	0.00	38.90	41.10	2.20	972.40
N2SC-03I(R)	985.86	12/13/2006	13.78	---	0.00	39.20	41.10	1.90	972.08
N2SC-03I(R)	985.86	12/20/2006	13.85	---	0.00	38.70	41.10	2.40	972.01
N2SC-03I(R)	985.86	12/27/2006	13.5	---	0.00	38.70	41.10	2.40	972.36
N2SC-07	984.61	12/12/2006	10.36	---	0.00	35.65	35.75	0.10	974.25
N2SC-08	986.07	12/12/2006	11.55	---	0.00	39.05	41.15	2.10	974.52
N2SC-14	985.06	12/5/2006	14.20	---	0.00	39.00	40.00	1.00	970.86
N2SC-14	985.06	12/13/2006	14.49	---	0.00	38.60	40.00	1.40	970.57
N2SC-14	985.06	12/20/2006	14.55	---	0.00	38.70	40.00	1.30	970.51
N2SC-14	985.06	12/27/2006	14.11	---	0.00	38.60	40.00	1.40	970.95
NS-15R	NA	12/12/2006	10.81	---	0.00	---	19.01	0.00	NA
NS-30	985.99	12/12/2006	10.35	---	0.00	34.98	35.10	0.12	975.64
NS-32	986.20	12/12/2006	11.35	---	0.00	---	38.05	0.00	974.85

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 21-15
ROUTINE WELL MONITORING
SILVER LAKE AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

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)
Staff Gauge within Silver Lake									
Silver Lake Gauge	980.30	12/6/2006	4.43	See Note 3 regarding depth to water					984.73
Silver Lake Gauge	980.30	12/13/2006	4.49	See Note 3 regarding depth to water					984.79
Silver Lake Gauge	980.30	12/20/2006	4.55	See Note 3 regarding depth to water					984.85
Silver Lake Gauge	980.30	12/27/2006	4.45	See Note 3 regarding depth to water					984.75

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. A survey reference point was established on the Silver Lake staff gauge. 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.
4. Additional groundwater elevation data were 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 2006

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

a. Activities Undertaken/Completed

- Conducted drum sampling at Building 78 of purge water generated from wells within GMA 2, as identified in Table 22-1.
- Continued routine river elevation monitoring.

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 river elevation monitoring.
- Submit Supplemental Groundwater Quality Report for Fall 2006 (due by January 31, 2007).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 22-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2006

GROUNDWATER MANAGEMENT AREA 2
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Building 78 Drum Sampling	BLDG78-B0586	12/12/06	Water	SGS	PCB, VOC, SVOC, Total RCRA Metals	

TABLE 22-2
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 2

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

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	12/20/2006	16.97	See Note 2 regarding depth to water					972.85

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 2006

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

a. Activities Undertaken/Completed

- Conducted drum sampling at Building 78 of LNAPL generated from wells within GMA 3, as identified in Table 23-1.

- Conducted routine groundwater elevation and NAPL monitoring activities. Approximately 12.50 liters (3.30 gallons) of LNAPL were removed by the automatic skimmer located in well 51-21 and an additional 6.143 liters (1.62 gallons) of LNAPL were manually removed from the wells in this area (see Table 23-2).

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 groundwater and NAPL monitoring/recovery activities.

- Initiate plans to install well GMA3-16, as directed in EPA's December 7, 2006 conditional approval letter.

- Begin preparation of Groundwater Elevation and NAPL Monitoring Report for Fall 2006 (due by February 28, 2007).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA's conditional approval of GMA 3 Groundwater Quality and NAPL Monitoring Report for Spring 2006 (December 7, 2006).

TABLE 23-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2006

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
Building 78 Drum Sampling	BLDG.78-HUT-COMP-6	12/12/06	Oil	SGS	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	

TABLE 23-2
MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL
GROUNDWATER MANAGEMENT AREA 3

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	December 2006 Removal (liters)
51-08	12/13/2006	11.20	10.90	0.30	0.185	1.123
	12/18/2006	11.45	10.87	0.58	0.358	
	12/27/2006	11.80	10.86	0.94	0.580	
51-17	12/18/2006	10.80	10.04	0.76	0.469	0.469
51-21	12/5/2006	15.18	P	< 0.01	2.085	12.500
	12/13/2006	15.34	15.33	0.01	2.085	
	12/20/2006	15.45	15.43	0.02	2.085	
	12/27/2006	15.40	15.39	0.01	6.25	
59-03R	12/18/2006	11.90	11.35	0.55	0.339	0.339
GMA3-10	12/13/2006	11.45	11.06	0.39	0.241	1.017
	12/18/2006	11.78	11.14	0.64	0.400	
	12/27/2006	11.85	11.24	0.61	0.376	
GMA3-12	12/13/2006	11.85	11.40	0.45	1.112	2.743
	12/18/2006	11.85	11.51	0.34	0.840	
	12/27/2006	11.90	11.58	0.32	0.791	
GMA3-13	12/6/2006	11.20	11.10	0.10	0.062	0.444
	12/13/2006	11.48	11.24	0.24	0.148	
	12/18/2006	11.60	11.32	0.28	0.173	
	12/27/2006	11.50	11.40	0.10	0.062	
UB-PZ-3	12/18/2006	12.20	11.98	0.22	0.008	0.008

Total Automated LNAPL Removal at well 51-21 for December 2006: 12.500 liters
3.30 Gallons

Total Manual LNAPL Removal at all other wells for December 2006: 6.143 liters
1.62 Gallons

Total LNAPL Removed for December 2006: 18.643 liters
4.92 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 23-3
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 3

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
51-05	996.44	12/18/2006	10.24	---	0.00	---	11.37	0.00	986.20
51-06	997.36	12/18/2006	10.80	---	0.00	---	14.46	0.00	986.56
51-07	997.08	12/18/2006	10.80	---	0.00	---	11.20	0.00	986.28
51-08	997.08	12/6/2006	10.78	10.73	0.05	---	14.65	0.00	986.35
51-08	997.08	12/13/2006	11.20	10.90	0.30	---	14.65	0.00	986.16
51-08	997.08	12/18/2006	11.45	10.87	0.58	---	14.65	0.00	986.17
51-08	997.08	12/27/2006	11.80	10.86	0.94	---	14.65	0.00	986.15
51-09	997.70	12/18/2006	11.20	---	0.00	---	11.55	0.00	986.50
51-11	994.37	12/18/2006	8.55	---	0.00	---	13.54	0.00	985.82
51-12	996.55	12/18/2006	7.80	---	0.00	---	13.35	0.00	988.75
51-13	997.42	12/18/2006	Dry at 9.82 feet	---	0.00	---	9.90	0.00	NA
51-14	996.77	12/18/2006	10.78	---	0.00	---	14.75	0.00	985.99
51-15	996.43	12/18/2006	10.28	10.24	0.04	---	14.35	0.00	986.19
51-16R	996.39	12/18/2006	10.28	10.25	0.03	---	14.54	0.00	986.14
51-17	996.43	12/18/2006	10.80	10.04	0.76	---	14.50	0.00	986.34
51-18	997.12	12/18/2006	10.98	---	0.00	---	12.60	0.00	986.14
51-19	996.43	12/18/2006	10.45	---	0.00	---	14.05	0.00	985.98
51-21	1001.49	12/5/2006	15.18	P	< 0.01	---	NM	0.00	986.31
51-21	1001.49	12/13/2006	15.34	15.33	0.01	---	NM	0.00	986.16
51-21	1001.49	12/20/2006	15.45	15.43	0.02	---	NM	0.00	986.06
51-21	1001.49	12/27/2006	15.40	15.39	0.01	---	NM	0.00	986.10
59-01	997.52	12/18/2006	11.23	11.22	0.01	---	11.40	0.00	986.30
59-03R	997.64	12/18/2006	11.90	11.35	0.55	---	17.05	0.00	986.25
59-07	997.96	12/18/2006	11.70	11.65	0.05	---	23.54	0.00	986.31
078B-R	988.83	11/27/2006	1.70	---	0.00	---	11.74	0.00	987.13
078B-R	988.83	12/18/2006	1.85	---	0.00	---	11.74	0.00	986.98
GMA3-10	997.54	12/6/2006	11.08	10.95	0.13	---	17.90	0.00	986.58
GMA3-10	997.54	12/13/2006	11.45	11.06	0.39	---	17.90	0.00	986.45
GMA3-10	997.54	12/18/2006	11.78	11.14	0.64	---	17.90	0.00	986.36
GMA3-10	997.54	12/27/2006	11.85	11.24	0.61	---	17.90	0.00	986.26
GMA3-11	997.25	12/18/2006	10.60	---	0.00	---	18.28	0.00	986.65
GMA3-12	997.84	12/6/2006	11.37	11.25	0.12	---	21.20	0.00	986.58
GMA3-12	997.84	12/13/2006	11.85	11.40	0.45	---	21.21	0.00	986.41
GMA3-12	997.84	12/18/2006	11.85	11.51	0.34	---	21.23	0.00	986.31
GMA3-12	997.84	12/27/2006	11.90	11.58	0.32	---	21.24	0.00	986.24
GMA3-13	997.73	12/6/2006	11.20	11.10	0.10	---	17.58	0.00	986.62
GMA3-13	997.73	12/13/2006	11.48	11.24	0.24	---	17.58	0.00	986.47
GMA3-13	997.73	12/18/2006	11.60	11.32	0.28	---	17.57	0.00	986.39
GMA3-13	997.73	12/27/2006	11.50	11.40	0.10	---	17.54	0.00	986.32
GMA3-14	997.42	12/18/2006	10.90	---	0.00	---	16.76	0.00	986.52
UB-MW-10	995.99	12/18/2006	9.75	---	0.00	---	14.82	0.00	986.24
UB-PZ-3	998.15	12/18/2006	12.20	11.98	0.22	---	13.42	0.00	986.15

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantit
3. NA indicates information not available
4. NM indicates information not measurec
5. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
6. This table also includes groundwater data collected from certain wells during sampling activities conducted in November 2006 that v not compiled in time to include in the previous monthly report.

ITEM 24
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 3 (GMA 4)
(GECD340)
DECEMBER 2006

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

a. Activities Undertaken/Completed

- Conducted drum sampling at Building 78 of purge water generated from wells within GMA 4, as identified in Table 24-1.

- Conducted routine groundwater elevation monitoring at well GMA4-3.

b. Sampling/Test Results Received

- See attached tables.

- Preliminary analytical results received in December 2006 from the fall 2006 GMA 4 interim groundwater quality monitoring activities are shown in Table 24-2. These preliminary results have been compared to the applicable Method 1 GW-2 and GW-3 groundwater standards and UCLs for groundwater set forth in the MCP. (Note that, under this interim monitoring program, samples collected for PCBs, cyanide, or metals analyses are analyzed for these constituents in filtered form only.) These comparisons indicate the following:

  - There were no exceedances of UCLs in any of the groundwater sample results received in December 2006.

  - The MCP GW-2 standards were not exceeded in any of the GW-2 groundwater sample results received in December 2006.

  - The MCP GW-3 standard for cadmium (0.004 ppm) was slightly exceeded in the filtered samples from monitoring wells H78B-15, OPCA-MW-3, OPCA-MW-4, OPCA-MW-5R, OPCA-MW-6, OPCA-MW-7, and OPCA-MW-8 (based on estimated concentrations in those samples). These were the first such exceedances for this constituent observed in filtered samples collected from these wells.

  - There were no other exceedances of the MCP GW-3 standards in any of the groundwater sample results received in December 2006.

c. Work Plans/Reports/Documents Submitted

None

ITEM 24
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 3 (GMA 4)
(GECD340)
DECEMBER 2006

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

- Continue routine monitoring at well GMA4-3.

- Begin preparation of Interim Groundwater Quality Report for Fall 2006 (due by February 28, 2007).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 24-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2006

GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received by GE or BBL
Building 78 Drum Sampling	BLDG78-GMA-4-COMP-2	12/12/06	Water	SGS	PCB, VOC, SVOC, Total RCRA Metals	
Semi-Annual Groundwater Sampling	GMA-4-BlindDup (OPCA-MW-4)	11/9/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f),PAC CN (f), Sulfide, PCDD/PCDF	12/5/06
Semi-Annual Groundwater Sampling	H78B-15	11/9/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f),PAC CN (f), Sulfide, PCDD/PCDF	12/5/06
Semi-Annual Groundwater Sampling	OPCA-MW-1R	11/8/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f),PAC CN (f), Sulfide, PCDD/PCDF	12/5/06
Semi-Annual Groundwater Sampling	OPCA-MW-2	11/9/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f),PAC CN (f), Sulfide, PCDD/PCDF	12/5/06
Semi-Annual Groundwater Sampling	OPCA-MW-3	11/10/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f),PAC CN (f), Sulfide, PCDD/PCDF	12/5/06
Semi-Annual Groundwater Sampling	OPCA-MW-4	11/9/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f),PAC CN (f), Sulfide, PCDD/PCDF	12/5/06
Semi-Annual Groundwater Sampling	OPCA-MW-5R	11/9/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f),PAC CN (f), Sulfide, PCDD/PCDF	12/5/06
Semi-Annual Groundwater Sampling	OPCA-MW-6	11/9/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f),PAC CN (f), Sulfide, PCDD/PCDF	12/5/06
Semi-Annual Groundwater Sampling	OPCA-MW-7	11/8/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f),PAC CN (f), Sulfide, PCDD/PCDF	12/5/06
Semi-Annual Groundwater Sampling	OPCA-MW-8	11/8/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f),PAC CN (f), Sulfide, PCDD/PCDF	12/5/06

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

TABLE 24-2
DATA RECEIVED DURING DECEMBER 2006

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

Parameter / Sample ID: / Date Collected:	H78B-15 11/09/06	OPCA-MW-1R 11/08/06	OPCA-MW-2 11/09/06	OPCA-MW-3 11/10/06
Volatile Organics				
Benzene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	0.0049	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	0.00061 J	ND(0.0010)	0.00033 J	ND(0.0010)
Tetrachloroethene	ND(0.0010)	0.018	ND(0.0010)	ND(0.0010)
Toluene	0.00068 J	ND(0.0010)	0.0010	ND(0.0010)
Trichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total VOCs	0.0062 J	0.018	0.0013 J	ND(0.10)
PCBs-Filtered				
Not Detected	--	--	--	--
Semivolatile Organics				
Not Detected	--	--	--	--
Furans				
2,3,7,8-TCDF	ND(0.0000000011)	ND(0.0000000010)	ND(0.0000000010)	ND(0.0000000011)
TCDFs (total)	ND(0.0000000011)	ND(0.0000000010)	ND(0.0000000010)	ND(0.0000000011)
1,2,3,7,8-PeCDF	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
2,3,4,7,8-PeCDF	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
PeCDFs (total)	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,4,7,8-HxCDF	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,6,7,8-HxCDF	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,7,8,9-HxCDF	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
2,3,4,6,7,8-HxCDF	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
HxCDFs (total)	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
HpCDFs (total)	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
OCDF	ND(0.000000011)	ND(0.000000010)	ND(0.000000010)	ND(0.000000011)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000012)	ND(0.0000000011)	ND(0.0000000016)	ND(0.0000000011)
TCDDs (total)	ND(0.0000000012)	ND(0.0000000011)	ND(0.0000000016)	ND(0.0000000015)
1,2,3,7,8-PeCDD	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
PeCDDs (total)	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,4,7,8-HxCDD	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,6,7,8-HxCDD	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,7,8,9-HxCDD	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
HxCDDs (total)	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
HpCDDs (total)	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000055)
OCDD	ND(0.000000011)	0.000000013 J	0.000000015 J	ND(0.000000011)
Total TEQs (WHO TEFs)	0.0000000070	0.0000000063	0.0000000066	0.0000000069
Inorganics-Unfiltered				
Not Detected	--	--	--	--
Inorganics-Filtered				
Barium	0.0252 B	0.0679 B	0.0353 B	0.0869 B
Beryllium	0.000590 B	ND(0.0100)	ND(0.0100)	0.00135 B
Cadmium	0.00442 B	0.00353 B	0.00260 B	0.00418 B
Chromium	0.00413 B	0.00466 B	0.00398 B	0.00550 B
Cobalt	0.00334 B	0.00379 B	0.00296 B	0.00336 B
Copper	0.00944 B	0.00837 B	0.00551 B	0.00997 B
Lead	0.00149 B	ND(0.0100)	0.00153 B	0.00859 B
Nickel	0.00100 B	0.00139 B	0.00199 B	0.00486 B
Silver	0.00385 B	0.00411 B	0.00370 B	0.00436 B
Thallium	ND(0.0100)	0.00752 B	ND(0.0100)	0.0110
Vanadium	0.00568 B	ND(0.0500)	0.00247 B	ND(0.0500)
Zinc	0.00461 B	0.00409 B	0.00485 B	0.00565 B

TABLE 24-2
DATA RECEIVED DURING DECEMBER 2006

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

Parameter / Sample ID: / Date Collected:	OPCA-MW-4 11/09/06	OPCA-MW-5R 11/09/06	OPCA-MW-6 11/09/06
Volatile Organics			
Benzene	ND(0.0010) [ND(0.0010)]	0.00024 J	ND(0.0010)
Chlorobenzene	ND(0.0010) [ND(0.0010)]	0.0018	ND(0.0010)
Chloroform	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloromethane	0.00068 J [0.00039 J]	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Toluene	ND(0.0010) [0.00073 J]	0.0011	0.00027 J
Trichloroethene	0.0020 [0.0020]	ND(0.0010)	ND(0.0010)
Vinyl Chloride	0.00055 J [0.00057 J]	ND(0.0010)	ND(0.0010)
Total VOCs	0.0032 J [0.0037 J]	0.0031 J	0.00027 J
PCBs-Filtered			
Not Detected	--	--	--
Semivolatile Organics			
Not Detected	--	--	--
Furans			
2,3,7,8-TCDF	ND(0.0000000010) [ND(0.0000000010)]	ND(0.0000000010)	ND(0.0000000011)
TCDFs (total)	0.0000000052 J [0.0000000029 J]	0.0000000012 J	ND(0.0000000011)
1,2,3,7,8-PeCDF	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
2,3,4,7,8-PeCDF	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
PeCDFs (total)	0.000000019 J [0.000000013 J]	ND(0.0000000051)	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
HxCDFs (total)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
HpCDFs (total)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
OCDF	ND(0.000000010) [ND(0.000000010)]	ND(0.000000010)	ND(0.000000010)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000010) [ND(0.0000000014)]	ND(0.0000000015)	ND(0.0000000018)
TCDDs (total)	ND(0.0000000010) [ND(0.0000000014)]	ND(0.0000000015)	ND(0.0000000018)
1,2,3,7,8-PeCDD	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
PeCDDs (total)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
1,2,3,4,7,8-HxCDD	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
1,2,3,6,7,8-HxCDD	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
1,2,3,7,8,9-HxCDD	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
HxCDDs (total)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
HpCDDs (total)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000051)	ND(0.0000000052)
OCDD	ND(0.000000010) [ND(0.000000010)]	0.000000012 J	0.000000016 J
Total TEQs (WHO TEFs)	0.0000000063 [0.0000000066]	0.0000000067	0.0000000069
Inorganics-Unfiltered (Sulfide)			
Not Detected	--	--	--
Inorganics-Filtered			
Barium	0.0382 B [0.0389 B]	0.0892 B	0.0630 B
Beryllium	0.000590 B [0.00249 B]	ND(0.0100)	0.000970 B
Cadmium	0.00419 B [0.00273 B]	0.00461 B	0.00410 B
Chromium	0.00360 B [0.00375 B]	0.00420 B	0.00387 B
Cobalt	0.00129 B [0.000900 B]	0.00107 B	0.00292 B
Copper	0.00870 B [0.00597 B]	0.00993 B	0.00860 B
Lead	0.00129 B [0.00238 B]	0.00391 B	0.00212 B
Nickel	0.00233 B [0.00253 B]	0.00498 B	0.00133 B
Silver	0.00370 B [0.00397 B]	0.00401 B	0.00383 B
Thallium	0.00666 B [ND(0.0100)]	0.00828 B	ND(0.0100)
Vanadium	0.00247 B [0.00454 B]	0.00327 B	0.00224 B
Zinc	0.00883 B [0.00999 B]	0.0140 B	0.00328 B

TABLE 24-2
DATA RECEIVED DURING DECEMBER 2006

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

Parameter / Sample ID: / Date Collected:	OPCA-MW-7 11/08/06	OPCA-MW-8 11/08/06
Volatile Organics		
Benzene	ND(0.0010)	ND(0.0010)
Chlorobenzene	ND(0.0010)	ND(0.0010)
Chloroform	ND(0.0010)	ND(0.0010)
Chloromethane	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0010)	ND(0.0010)
Toluene	0.00022 J	0.00037 J
Trichloroethene	ND(0.0010)	ND(0.0010)
Vinyl Chloride	ND(0.0010)	ND(0.0010)
Total VOCs	0.00022 J	0.00037 J
PCBs-Filtered		
Not Detected	--	--
Semivolatile Organics		
Not Detected	--	--
Furans		
2,3,7,8-TCDF	0.0000000029 J	ND(0.0000000011)
TCDFs (total)	0.000000037	ND(0.0000000011)
1,2,3,7,8-PeCDF	0.0000000071 J	ND(0.0000000055)
2,3,4,7,8-PeCDF	0.000000027 J	ND(0.0000000055)
PeCDFs (total)	0.00000015 Q	ND(0.0000000055)
1,2,3,4,7,8-HxCDF	0.00000013	ND(0.0000000055)
1,2,3,6,7,8-HxCDF	0.000000052 J	ND(0.0000000055)
1,2,3,7,8,9-HxCDF	0.000000023 J	ND(0.0000000055)
2,3,4,6,7,8-HxCDF	0.000000027 J	ND(0.0000000055)
HxCDFs (total)	0.00000042	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDF	0.000000091	ND(0.0000000055)
1,2,3,4,7,8,9-HpCDF	0.000000058	ND(0.0000000055)
HpCDFs (total)	0.00000027	ND(0.0000000055)
OCDF	0.00000014	ND(0.000000011)
Dioxins		
2,3,7,8-TCDD	ND(0.0000000016)	ND(0.0000000012)
TCDDs (total)	0.0000000085 J	ND(0.0000000012)
1,2,3,7,8-PeCDD	ND(0.0000000057)	ND(0.0000000055)
PeCDDs (total)	0.0000000087 JQ	ND(0.0000000055)
1,2,3,4,7,8-HxCDD	ND(0.0000000057)	ND(0.0000000055)
1,2,3,6,7,8-HxCDD	0.0000000066 J	ND(0.0000000055)
1,2,3,7,8,9-HxCDD	ND(0.0000000057)	ND(0.0000000055)
HxCDDs (total)	0.000000055 J	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDD	0.000000040 J	ND(0.0000000055)
HpCDDs (total)	0.000000080	ND(0.0000000055)
OCDD	0.00000026	0.000000012 J
Total TEQs (WHO TEFs)	0.000000044	0.0000000070
Inorganics-Unfiltered (Sulfide)		
Not Detected	--	--
Inorganics-Filtered		
Barium	0.0291 B	0.0343 B
Beryllium	0.00363 B	ND(0.0100)
Cadmium	0.00409 B	0.00429 B
Chromium	0.00442 B	0.00746 B
Cobalt	0.00366 B	0.00134 B
Copper	0.00767 B	0.00870 B
Lead	ND(0.0100)	ND(0.0100)
Nickel	ND(0.0500)	0.00204 B
Silver	0.00406 B	0.00408 B
Thallium	ND(0.0100)	0.00717 B
Vanadium	0.00260 B	ND(0.0500)
Zinc	0.00700 B	0.00819 B

TABLE 24-2
DATA RECEIVED DURING DECEMBER 2006

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

Notes:

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

Data Qualifiers:

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

J - Indicates an estimated value less than the practical quantitation limit (PQL).
Q - Indicates the presence of quantitative interferences.

Inorganics

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

TABLE 24-3
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 4

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
December 2006

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	12/18/2006	17.55	---	0.00	---	26.25	0.00	986.40

Notes:

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

ITEM 25
GROUNDWATER MANAGEMENT AREAS
FORMER OXBOWS A & C (GMA 5)
(GECD350)
DECEMBER 2006

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

- See attached tables.

- Preliminary analytical results received in December 2006 from the fall 2006 GMA 5 additional baseline groundwater quality monitoring activities are shown in Table 25-2. These preliminary results have been compared to the applicable Method 1 GW-2 and GW-3 groundwater standards and UCLs for groundwater set forth in the MCP. These comparisons indicate the following:

  - There were no exceedances of UCLs in any of the groundwater sample results received in December 2006.

  - The MCP GW-2 standards were not exceeded in any of the GW-2 groundwater sample results received in December 2006.

  - The MCP GW-3 standard for cadmium (0.004 ppm) was exceeded in the filtered samples from monitoring wells GMA5-4 and GMA5-6 (based on estimated concentrations in those samples). These were the first such exceedances for this constituent observed in filtered samples collected from these wells.

  - No other MCP GW-3 standards were exceeded in any of the groundwater sample results received in December 2006.

c. Work Plans/Reports/Documents Submitted

None

ITEM 25
(cont'd)
GROUNDWATER MANAGEMENT AREAS
FORMER OXBOWS A & C (GMA 5)
(GECD350)
DECEMBER 2006

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

- Repair monitoring wells found to be damaged during fall 2006 monitoring activities.

- Begin preparation of Baseline Assessment Final Report and Long-Term Monitoring Program Proposal (due 75 days after receipt of final laboratory analytical packages from fall 2006 monitoring event).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 25-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2006

GROUNDWATER MANAGEMENT AREA 5
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	GMA5-1	11/15/06	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), EPA CN, EPA CN (f), PAC CN (f), Sulfide, Pest, Herb, PCDD/PCDF	12/6/06
Semi-Annual Groundwater Sampling	GMA5-2	11/20/06	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), EPA CN, EPA CN (f), PAC CN (f), Pest, Herb, PCDD/PCDF	12/12/06
Semi-Annual Groundwater Sampling	GMA5-2	11/20/06	Water	SGS	Sulfide	12/12/06
Semi-Annual Groundwater Sampling	GMA5-3	11/21/06	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), EPA CN, EPA CN (f), PAC CN (f), Pest, Herb, PCDD/PCDF	12/12/06
Semi-Annual Groundwater Sampling	GMA5-3	11/21/06	Water	SGS	Sulfide	12/12/06
Semi-Annual Groundwater Sampling	GMA5-4	11/15/06	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), EPA CN, EPA CN (f), PAC CN (f), Sulfide, Pest, Herb, PCDD/PCDF	12/6/06
Semi-Annual Groundwater Sampling	GMA5-5	11/16/06	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), EPA CN, EPA CN (f), PAC CN (f), Sulfide, Pest, Herb, PCDD/PCDF	12/6/06
Semi-Annual Groundwater Sampling	GMA5-6	11/17/06	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), EPA CN, EPA CN (f), PAC CN (f), Sulfide, Pest, Herb, PCDD/PCDF	12/13/06
Semi-Annual Groundwater Sampling	GMA5-7	11/20/06	Water	SGS	PCB, PCB (f), SVOC, Metals, Metals (f), EPA CN, EPA CN (f), PAC CN (f), Pest, Herb, PCDD/PCDF	12/12/06
Semi-Annual Groundwater Sampling	GMA5-7	11/20/06	Water	SGS	Sulfide	12/12/06
Semi-Annual Groundwater Sampling	GMA5-8	11/28/06	Water	NEA	PCB (f)	12/4/06
Semi-Annual Groundwater Sampling	GMA5-8	11/28/06	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), EPA CN, EPA CN (f), PAC CN (f), Sulfide, Pest, Herb, PCDD/PCDF	12/14/06
Semi-Annual Groundwater Sampling	GMA5-Dup-1 (GMA5-6)	11/17/06	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), EPA CN, EPA CN (f), PAC CN (f), Sulfide, Pest, Herb, PCDD/PCDF	12/13/06

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

TABLE 25-2
DATA RECEIVED DURING DECEMBER 2006

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

Parameter / Sample ID: / Date Collected:	GMA5-1 11/15/06	GMA5-2 11/20/06	GMA5-3 11/21/06
Volatile Organics			
Benzene	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	0.00034 J	ND(0.0010)	ND(0.0010)
Methylene Chloride	0.00022 J	0.00025 J	ND(0.0050)
Tetrachloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)
Xylenes (total)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total VOCs	0.00056 J	0.00025 J	ND(0.10)
PCBs-Unfiltered			
Aroclor-1248	ND(0.00010)	ND(0.00011)	ND(0.00010)
Aroclor-1254	ND(0.00010)	0.000072 J	0.000093 J
Aroclor-1260	0.000045 J	ND(0.00011)	ND(0.00010)
Total PCBs	0.000045 J	0.000072 J	0.000093 J
PCBs-Filtered			
Aroclor-1248	ND(0.00011)	ND(0.00011)	ND(0.00011)
Aroclor-1254	ND(0.00011)	ND(0.00011)	ND(0.00011)
Aroclor-1260	ND(0.00011)	ND(0.00011)	ND(0.00011)
Total PCBs	ND(0.00011)	ND(0.00011)	ND(0.00011)
Semivolatile Organics			
Acenaphthene	ND(0.010)	ND(0.010)	0.0017 J
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)
Diethylphthalate	ND(0.010)	ND(0.010)	0.0018 J
Fluoranthene	ND(0.010)	ND(0.010)	0.0033 J
Fluorene	ND(0.010)	ND(0.010)	0.0027 J
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)
Phenanthrene	ND(0.010)	ND(0.010)	ND(0.010)
Pyrene	ND(0.010)	ND(0.010)	0.0028 J
Organochlorine Pesticides			
Dieldrin	ND(0.00030)	ND(0.00030)	ND(0.00030)
Endrin Aldehyde	ND(0.00030)	ND(0.00030)	0.000044 JD
Herbicides			
None Detected	--	--	--
Furans			
2,3,7,8-TCDF	0.0000000012 J	ND(0.0000000011)	ND(0.0000000011)
TCDFs (total)	0.0000000012 J	ND(0.0000000011)	ND(0.0000000011)
1,2,3,7,8-PeCDF	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
2,3,4,7,8-PeCDF	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
PeCDFs (total)	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
HxCDFs (total)	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
HpCDFs (total)	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
OCDF	ND(0.000000011)	ND(0.000000011)	ND(0.000000011)

TABLE 25-2
DATA RECEIVED DURING DECEMBER 2006

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

Parameter / Sample ID: / Date Collected:	GMA5-1 11/15/06	GMA5-2 11/20/06	GMA5-3 11/21/06
Dioxins			
2,3,7,8-TCDD	0.0000000014 J	ND(0.0000000011)	ND(0.0000000011)
TCDDs (total)	0.0000000014 J	ND(0.0000000011)	ND(0.0000000011)
1,2,3,7,8-PeCDD	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
PeCDDs (total)	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
1,2,3,4,7,8-HxCDD	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
1,2,3,6,7,8-HxCDD	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
1,2,3,7,8,9-HxCDD	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
HxCDDs (total)	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
HpCDDs (total)	ND(0.0000000054)	ND(0.0000000055)	ND(0.0000000052)
OCDD	0.000000013 J	0.000000012 J	0.000000016 J
Total TEQs (WHO TEFs)	0.0000000077	0.0000000069	0.0000000066
Inorganics-Unfiltered			
Arsenic	0.0134	ND(0.0100)	ND(0.0100)
Barium	0.107 B	0.0844 B	0.117 B
Beryllium	0.000770 B	0.00233 B	0.00368 B
Cadmium	0.00438 B	ND(0.00500)	ND(0.00500)
Chromium	0.00605 B	0.00542 B	0.00529 B
Cobalt	0.00151 B	0.00281 B	0.00318 B
Copper	0.00911 B	0.00773 B	0.00646 B
Cyanide	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	0.00515 B	0.00769 B	0.00677 B
Mercury	0.0000558 B	0.0000445 B	0.0000490 B
Nickel	0.00754 B	0.00495 B	0.00832 B
Selenium	0.00931 B	ND(0.0200)	0.00993 B
Silver	0.00168 B	0.00284 B	0.00268 B
Thallium	0.00815 B	0.00662 B	0.00764 B
Vanadium	0.00667 B	0.00339 B	0.00436 B
Zinc	0.0311 B	0.0131 B	0.00894 B
Inorganics-Filtered			
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	0.0938 B	0.0807 B	0.102 B
Beryllium	ND(0.0100)	0.00547 B	0.00457 B
Cadmium	0.00394 B	ND(0.00500)	ND(0.00500)
Chromium	0.00449 B	0.00521 B	0.00518 B
Cobalt	0.00105 B	0.00105 B	0.00329 B
Copper	0.0100 B	0.00774 B	0.00721 B
Cyanide	ND(0.0100)	0.0140	ND(0.0100)
Lead	0.00227 B	0.00605 B	0.00641 B
Mercury	0.0000510 B	0.0000462 B	0.0000495 B
Nickel	0.00756 B	0.00325 B	0.00743 B
Selenium	0.0132 B	0.0145 B	ND(0.0200)
Silver	0.00170 B	0.00290 B	0.00289 B
Thallium	ND(0.0100)	ND(0.0100)	ND(0.0100)
Vanadium	0.00865 B	0.00425 B	0.00518 B
Zinc	0.0139 B	0.0122 B	0.00740 B

TABLE 25-2
DATA RECEIVED DURING DECEMBER 2006

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

Parameter / Sample ID: / Date Collected:	GMA5-4 11/15/06	GMA5-5 11/16/06	GMA5-6 11/17/06
Volatile Organics			
Benzene	ND(0.0010)	ND(0.0010)	0.00023 J [0.00023 J]
Chlorobenzene	ND(0.0010)	ND(0.0010)	0.00028 J [0.00032 J]
Chloromethane	0.00034 J	ND(0.0010)	0.00029 J [ND(0.0010)]
Methylene Chloride	ND(0.0050)	0.00020 J	ND(0.0050) [0.00028 J]
Tetrachloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Toluene	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Trichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Xylenes (total)	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Total VOCs	0.00034 J	0.00020 J	0.00080 J [0.00083 J]
PCBs-Unfiltered			
Aroclor-1248	ND(0.00010)	ND(0.00011)	ND(0.00011) [ND(0.00011)]
Aroclor-1254	ND(0.00010)	ND(0.00011)	ND(0.00011) [ND(0.00011)]
Aroclor-1260	0.000040 J	ND(0.00011)	0.00011 [0.00012]
Total PCBs	0.000040 J	ND(0.00011)	0.00011 [0.00012]
PCBs-Filtered			
Aroclor-1248	ND(0.00011)	ND(0.00011)	ND(0.00011) [ND(0.00011)]
Aroclor-1254	ND(0.00011)	ND(0.00011)	ND(0.00011) [ND(0.00011)]
Aroclor-1260	ND(0.00011)	ND(0.00011)	ND(0.00011) [ND(0.00011)]
Total PCBs	ND(0.00011)	ND(0.00011)	ND(0.00011) [ND(0.00011)]
Semivolatile Organics			
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Diethylphthalate	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Fluoranthene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Fluorene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Phenanthrene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Pyrene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Organochlorine Pesticides			
Dieldrin	ND(0.00030)	ND(0.00030)	ND(0.00030) [ND(0.00030)]
Endrin Aldehyde	ND(0.00030)	ND(0.00030)	ND(0.00030) [ND(0.00030)]
Herbicides			
None Detected	--	--	--
Furans			
2,3,7,8-TCDF	ND(0.0000000012) X	ND(0.0000000011)	ND(0.0000000011) [ND(0.0000000011)]
TCDFs (total)	ND(0.0000000010)	ND(0.0000000011)	ND(0.0000000011) [ND(0.0000000011)]
1,2,3,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
2,3,4,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
PeCDFs (total)	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
1,2,3,4,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
1,2,3,6,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
1,2,3,7,8,9-HxCDF	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
2,3,4,6,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
HxCDFs (total)	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
1,2,3,4,6,7,8-HpCDF	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
1,2,3,4,7,8,9-HpCDF	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
HpCDFs (total)	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
OCDF	ND(0.000000010)	ND(0.000000011)	ND(0.000000011) [ND(0.000000011)]

TABLE 25-2
DATA RECEIVED DURING DECEMBER 2006

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

Parameter / Sample ID: / Date Collected:	GMA5-4 11/15/06	GMA5-5 11/16/06	GMA5-6 11/17/06
Dioxins			
2,3,7,8-TCDD	ND(0.0000000014) X	ND(0.0000000011)	ND(0.0000000011) [ND(0.0000000011)]
TCDDs (total)	ND(0.0000000011)	ND(0.0000000011)	ND(0.0000000011) [ND(0.0000000011)]
1,2,3,7,8-PeCDD	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
PeCDDs (total)	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
1,2,3,4,7,8-HxCDD	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
1,2,3,6,7,8-HxCDD	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
1,2,3,7,8,9-HxCDD	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
HxCDDs (total)	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
1,2,3,4,6,7,8-HpCDD	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
HpCDDs (total)	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000054) [ND(0.0000000053)]
OCDD	0.000000023 J	ND(0.000000011)	ND(0.000000011) [ND(0.000000011)]
Total TEQs (WHO TEFs)	0.0000000067	0.0000000067	0.0000000067 [0.0000000066]
Inorganics-Unfiltered			
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100) [0.0112]
Barium	0.0197 B	0.0189 B	0.177 B [0.156 B]
Beryllium	ND(0.0100)	0.00206 B	ND(0.0100) [ND(0.0100)]
Cadmium	0.000320 B	0.000450 B	0.00815 [0.00777]
Chromium	0.00149 B	0.00230 B	0.0106 [0.0108]
Cobalt	0.00154 B	ND(0.0100)	0.00787 B [0.00523 B]
Copper	0.00511 B	0.00394 B	0.0126 B [0.00919 B]
Cyanide	ND(0.0100)	ND(0.0100)	ND(0.0100) [0.0110]
Lead	0.00148 B	ND(0.0100)	0.00994 B [0.00859 B]
Mercury	0.0000536 B	0.0000537 B	0.000111 B [0.000137 B]
Nickel	ND(0.0500)	ND(0.0500)	0.0105 B [0.0106 B]
Selenium	ND(0.0200)	ND(0.0200)	0.0121 B [0.0136 B]
Silver	ND(0.0100)	ND(0.0100)	0.00180 B [0.00179 B]
Thallium	ND(0.0100)	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Vanadium	0.00194 B	0.00161 B	0.0122 B [0.0110 B]
Zinc	0.0171 B	0.00352 B	0.306 [0.253]
Inorganics-Filtered			
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Barium	0.0367 B	0.0156 B	0.161 B [0.145 B]
Beryllium	0.000280 B	0.00591 B	ND(0.0100) [ND(0.0100)]
Cadmium	0.00411 B	0.000250 B	0.00669 [0.00717]
Chromium	0.00361 B	0.00104 B	0.00964 B [0.00905 B]
Cobalt	ND(0.0100)	ND(0.0100)	0.00749 B [0.00767 B]
Copper	0.00937 B	0.00328 B	0.00973 B [0.00808 B]
Cyanide	ND(0.0100)	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Lead	0.00305 B	0.00326 B	0.00620 B [0.00960 B]
Mercury	0.0000530 B	0.0000521 B	0.0000624 B [0.0000602 B]
Nickel	0.00294 B	ND(0.0500)	0.0100 B [0.0121 B]
Selenium	ND(0.0200)	ND(0.0200)	0.0115 B [ND(0.0200)]
Silver	0.00151 B	ND(0.0100)	0.00139 B [0.00138 B]
Thallium	ND(0.0100)	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Vanadium	0.00720 B	0.00192 B	0.00958 B [0.00752 B]
Zinc	0.0418 B	0.00361 B	0.257 [0.199]

TABLE 25-2
DATA RECEIVED DURING DECEMBER 2006

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

Parameter / Sample ID: / Date Collected:	GMA5-7 11/20/06	GMA5-8 11/28/06
Volatile Organics		
Benzene	NA	0.00024 J
Chlorobenzene	NA	ND(0.0010)
Chloromethane	NA	ND(0.0010)
Methylene Chloride	NA	0.00021 J
Tetrachloroethene	NA	ND(0.0010)
Toluene	NA	0.00072 J
Trichloroethene	NA	ND(0.0010)
Xylenes (total)	NA	0.00026 J
Total VOCs	NA	0.0014 J
PCBs-Unfiltered		
Aroclor-1248	ND(0.00010)	ND(0.00010)
Aroclor-1254	0.00014	0.00068
Aroclor-1260	ND(0.00010)	0.00011
Total PCBs	0.00014	0.00079
PCBs-Filtered		
Aroclor-1248	ND(0.00011)	ND(0.00010) {0.000059 PE}
Aroclor-1254	ND(0.00011)	ND(0.00010) {ND(0.000022)}
Aroclor-1260	ND(0.00011)	ND(0.00010) {ND(0.000022)}
Total PCBs	ND(0.00011)	ND(0.00010) {0.000059}
Semivolatile Organics		
Acenaphthene	ND(0.010)	0.0041 J
Dibenzofuran	ND(0.010)	0.0032 J
Diethylphthalate	ND(0.010)	ND(0.010)
Fluoranthene	ND(0.010)	ND(0.010)
Fluorene	ND(0.010)	0.0049 J
Naphthalene	ND(0.010)	0.0060 J
Phenanthrene	ND(0.010)	0.0056 J
Pyrene	ND(0.010)	ND(0.010)
Organochlorine Pesticides		
Dieldrin	0.000020 JD	ND(0.00030)
Endrin Aldehyde	ND(0.00030)	ND(0.00030)
Herbicides		
None Detected	--	--
Furans		
2,3,7,8-TCDF	ND(0.0000000011)	ND(0.0000000022)
TCDFs (total)	ND(0.0000000011)	0.0000000025 J
1,2,3,7,8-PeCDF	ND(0.0000000055)	ND(0.0000000050)
2,3,4,7,8-PeCDF	ND(0.0000000055)	ND(0.0000000050)
PeCDFs (total)	ND(0.0000000055)	0.000000026 J
1,2,3,4,7,8-HxCDF	ND(0.0000000055)	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	ND(0.0000000055)	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	ND(0.0000000055)	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	ND(0.0000000055)	ND(0.0000000050)
HxCDFs (total)	ND(0.0000000055)	0.000000022 J
1,2,3,4,6,7,8-HpCDF	ND(0.0000000055)	0.0000000069 J
1,2,3,4,7,8,9-HpCDF	ND(0.0000000055)	ND(0.0000000050)
HpCDFs (total)	ND(0.0000000055)	0.000000014 J
OCDF	ND(0.000000011)	0.000000011 J

TABLE 25-2
DATA RECEIVED DURING DECEMBER 2006

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

Parameter / Sample ID: / Date Collected:	GMA5-7 11/20/06	GMA5-8 11/28/06
Dioxins		
2,3,7,8-TCDD	ND(0.0000000011)	ND(0.0000000027)
TCDDs (total)	ND(0.0000000011)	ND(0.0000000027)
1,2,3,7,8-PeCDD	ND(0.0000000055)	ND(0.0000000067) X
PeCDDs (total)	ND(0.0000000055)	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	ND(0.0000000055)	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	ND(0.0000000055)	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	ND(0.0000000055)	ND(0.0000000050)
HxCDDs (total)	ND(0.0000000055)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000055)	0.0000000056 J
HpCDDs (total)	ND(0.0000000055)	0.0000000056 J
OCDD	0.000000057 J	0.000000043 J
Total TEQs (WHO TEFs)	0.0000000068	0.0000000081
Inorganics-Unfiltered		
Arsenic	ND(0.0100)	ND(0.0100)
Barium	0.0713 B	0.0509 B
Beryllium	0.00773 B	0.000970 B
Cadmium	ND(0.00500)	0.00277 B
Chromium	0.00603 B	0.00551 B
Cobalt	0.00244 B	0.000800 B
Copper	0.00880 B	0.00548 B
Cyanide	ND(0.0100)	ND(0.0100)
Lead	0.00754 B	0.00591 B
Mercury	0.0000456 B	ND(0.000285)
Nickel	0.00441 B	0.00223 B
Selenium	0.0116 B	ND(0.0200)
Silver	0.00229 B	0.00143 B
Thallium	0.00660 B	ND(0.0100)
Vanadium	0.00488 B	ND(0.0500)
Zinc	0.0105 B	0.0236 B
Inorganics-Filtered		
Arsenic	ND(0.0100)	ND(0.0100)
Barium	0.0710 B	0.0320 B
Beryllium	0.00772 B	0.00294 B
Cadmium	ND(0.00500)	0.00152 B
Chromium	0.00556 B	0.00258 B
Cobalt	0.00137 B	ND(0.0100)
Copper	0.00866 B	0.00267 B
Cyanide	ND(0.0100)	ND(0.0100)
Lead	0.00867 B	0.00454 B
Mercury	0.0000442 B	ND(0.000285)
Nickel	0.00535 B	ND(0.0500)
Selenium	0.0116 B	ND(0.0200)
Silver	0.00292 B	0.00129 B
Thallium	ND(0.0100)	ND(0.0100)
Vanadium	0.00516 B	0.00174 B
Zinc	0.00874 B	0.00609 B

TABLE 25-2
DATA RECEIVED DURING DECEMBER 2006

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

Notes:

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

Data Qualifiers:

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

D - Compound quantitated using a secondary dilution.
J - Indicates an estimated value less than the practical quantitation limit (PQL).
I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
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.
X - Estimated maximum possible concentration.

Inorganics

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

Attachment A

NPDES Sampling Records and Results
December 2006

BBL®
an ARCADIS company

TABLE A-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2006

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-A7742	12/4/06	Water	Columbia	Oil & Grease	12/12/06
NPDES Sampling	001-A7744	12/4/06	Water	Accutest	PCB	12/20/06
NPDES Sampling	001-A7750	12/5/06	Water	Columbia	TSS	12/12/06
NPDES Sampling	005-A7726/A7727	11/21/06	Water	Accutest	PCB	12/7/06
NPDES Sampling	005-A7737/A7738	11/28/06	Water	Accutest	PCB	12/12/06
NPDES Sampling	005-A7751/A7752	12/5/06	Water	Accutest	PCB	12/13/06
NPDES Sampling	005-A7751/A7752	12/5/06	Water	Columbia	TSS, BOD	12/13/06
NPDES Sampling	005-A7764/A7765	12/12/06	Water	Accutest	PCB	
NPDES Sampling	005-A7775/A7776	12/19/06	Water	Accutest	PCB	
NPDES Sampling	005-A7786/A7787	12/26/06	Water	Accutest	PCB	
NPDES Sampling	09B-A7735	11/26/06	Water	Columbia	TSS	12/7/06
NPDES Sampling	09B-A7739	11/28/06	Water	Columbia	BOD	12/7/06
NPDES Sampling	09B-A7745	12/4/06	Water	Columbia	TSS, BOD	12/12/06
NPDES Sampling	09B-A7762	12/11/06	Water	Columbia	TSS, BOD	12/20/06
NPDES Sampling	09B-A7769	12/17/06	Water	Columbia	TSS	12/27/06
NPDES Sampling	09B-A7777	12/21/06	Water	Columbia	BOD	12/29/06
NPDES Sampling	09B-A7780	12/24/06	Water	Columbia	TSS	
NPDES Sampling	09B-A7793	12/27/06	Water	Columbia	BOD	
NPDES Sampling	09C-A7729	11/23/06	Water	Columbia	Oil & Grease	12/7/06
NPDES Sampling	09C-A7740	12/1/06	Water	Columbia	Oil & Grease	12/12/06
NPDES Sampling	09C-A7754	12/7/06	Water	Columbia	Oil & Grease	12/20/06
NPDES Sampling	09C-A7767	12/13/06	Water	Columbia	Oil & Grease	12/27/06
NPDES Sampling	09C-A7778	12/22/06	Water	Columbia	Oil & Grease	
NPDES Sampling	09C-A7789	12/26/06	Water	Columbia	Oil & Grease	
NPDES Sampling	64G-A7733	11/27/06	Water	Columbia	Oil & Grease	12/7/06
NPDES Sampling	64G-A7748	12/4/06	Water	Columbia	Oil & Grease	12/12/06
NPDES Sampling	64G-A7760	12/11/06	Water	Columbia	Oil & Grease	12/20/06
NPDES Sampling	64G-A7772	12/18/06	Water	Columbia	Oil & Grease	12/27/06
NPDES Sampling	64G-A7783	12/23/06	Water	Columbia	Oil & Grease	
NPDES Sampling	64T-A7731	11/27/06	Water	Columbia	Oil & Grease	12/7/06
NPDES Sampling	64T-A7746	12/4/06	Water	Columbia	Oil & Grease	12/12/06
NPDES Sampling	64T-A7758	12/11/06	Water	Columbia	Oil & Grease	12/20/06
NPDES Sampling	64T-A7770	12/18/06	Water	Columbia	Oil & Grease	12/27/06
NPDES Sampling	64T-A7781	12/23/06	Water	Columbia	Oil & Grease	
NPDES Sampling	A7710C	11/17/06	Water	Aquatec	Acute Toxicity Test	12/8/06
NPDES Sampling	A7711R	11/17/06	Water	Aquatec	Acute Toxicity Test	12/8/06

TABLE A-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING DECEMBER 2006

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	A7756C	12/12/06	Water	Aquatec	Acute Toxicity Test	
NPDES Sampling	A7756CCN	12/12/06	Water	Columbia	CN	12/27/06
NPDES Sampling	A7756CDM	12/12/06	Water	Columbia	Filtered Metals (8)	12/27/06
NPDES Sampling	A7756CTM	12/12/06	Water	Columbia	Metals (10)	12/27/06
NPDES Sampling	A7757R	12/12/06	Water	Aquatec	Acute Toxicity Test	
NPDES Sampling	A7757RCN	12/12/06	Water	Columbia	CN	12/27/06
NPDES Sampling	A7757RTM	12/12/06	Water	Columbia	Metals (10)	12/27/06
NPDES Sampling	DEC06K5	12/26/06	Water	Columbia	Cu, Pb, Zn	
NPDES Sampling	DEC06WK1	11/28/06	Water	Columbia	Cu, Pb, Zn	12/7/06
NPDES Sampling	DEC06WK2	12/5/06	Water	Columbia	Cu, Pb, Zn	12/13/06
NPDES Sampling	DEC06WK4	12/19/06	Water	Columbia	Cu, Pb, Zn	12/27/06

TABLE A-2
DATA RECEIVED DURING DECEMBER 2006

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

Parameter / Sample ID: / Date Collected:	001-A7742 12/04/06	001-A7744 12/04/06	001-A7750 12/05/06	005-A7726/A7727 11/21/06	005-A7737/A7738 11/28/06	005-A7751/A7752 12/05/06	09B-A7735 11/26/06	09B-A7739 11/28/06
PCBs-Unfiltered								
Aroclor-1254	NA	0.0015	NA	ND(0.000050)	ND(0.000050)	ND(0.000050)	NA	NA
Aroclor-1260	NA	0.0010	NA	ND(0.000050)	ND(0.000050)	ND(0.000050)	NA	NA
Total PCBs	NA	0.0025	NA	ND(0.000050)	ND(0.000050)	ND(0.000050)	NA	NA
Inorganics-Unfiltered								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals								
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	ND(2.0)	NA	ND(2.0)
Oil & Grease	ND(5.0)	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	4.30	NA	NA	ND(1.00)	1.20	NA

TABLE A-2
DATA RECEIVED DURING DECEMBER 2006

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

Parameter / Sample ID: / Date Collected:	09B-A7745 12/04/06	09B-A7762 12/11/06	09B-A7769 12/17/06	09B-A7777 12/21/06	09C-A7729 11/23/06	09C-A7740 12/01/06	09C-A7754 12/07/06	09C-A7767 12/13/06	64G-A7733 11/27/06
PCBs-Unfiltered									
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals									
Biological Oxygen Demand (5-day)	ND(2.0)	ND(2.0)	NA	ND(2.0)	NA	NA	NA	NA	NA
Oil & Grease	NA	NA	NA	NA	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Total Suspended Solids	10.8	2.50	1.90	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING DECEMBER 2006

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

Parameter / Sample ID: / Date Collected:	64G-A7748 12/04/06	64G-A7760 12/11/06	64G-A7772 12/18/06	64T-A7731 11/27/06	64T-A7746 12/04/06	64T-A7758 12/11/06	64T-A7770 12/18/06	A7756CCN 12/12/06	A7756CDM 12/12/06
PCBs-Unfiltered									
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	0.0590	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	ND(0.100)
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.00500)
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.0100)
Copper	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.0200)
Lead	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.00500)
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.0400)
Silver	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.0100)
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.0200)
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)	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING DECEMBER 2006

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

Parameter / Sample ID: / Date Collected:	A7756CTM 12/12/06	A7757RCN 12/12/06	A7757RTM 12/12/06	DEC06WK1 11/28/06	DEC06WK2 12/05/06	DEC06WK4 12/19/06
PCBs-Unfiltered						
Aroclor-1254	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered						
Aluminum	ND(0.100)	NA	ND(0.100)	NA	NA	NA
Cadmium	ND(0.00500)	NA	ND(0.00500)	NA	NA	NA
Calcium	88.8	NA	18.3	NA	NA	NA
Chromium	ND(0.0100)	NA	ND(0.0100)	NA	NA	NA
Copper	ND(0.0200)	NA	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)
Cyanide	NA	ND(0.0100)	NA	NA	NA	NA
Lead	ND(0.00500)	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Magnesium	37.3	NA	7.16	NA	NA	NA
Nickel	ND(0.0400)	NA	ND(0.0400)	NA	NA	NA
Silver	ND(0.0100)	NA	ND(0.0100)	NA	NA	NA
Zinc	ND(0.0200)	NA	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)
Inorganics-Filtered						
Aluminum	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA
Conventionals						
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA
Oil & Grease	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA

Notes:

1. Samples were collected by General Electric Company and submitted to Accutest Laboratories and Columbia Analytical 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.

Attachment B

NPDES Discharge Monitoring Reports
November 2006

BBL®
an ARCADIS company

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

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

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

Form Approved.
OMB No. 2040-0004

MA0003891 — PERMIT NUMBER
005 1 — DISCHARGE NUMBER

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

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	11	01	TO	06	11	30

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

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
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	90 MO AVG	135 DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ 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	188 MO AVG	270 DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ 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	0.00012	0.0005	(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	0.177	0.489	(03) MGD	******	******	******		0	99/99	RC
	PERMIT REQUIREMENT	2.09 MO AVG	2.09 DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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

M. T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
413	448-5902	2006	12	19

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

SEE PAGE 8 + 9 OF PERMIT FOR SAMPLING REQUIREMENTS. SEE DMR(S) 064G + 064T FOR FURTHER PARAMETERS.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

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

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

MA0003891	064 T
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	11	01	TO	06	11	30

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

*** NO DISCHARGE [ ] ***

Form Approved.
OMB No. 2040-0004

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH 00400 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		6.8	******	8.0	(12) SU	0	99/99	RCDR
	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	GRAB
DIBENZOFURAN 81302 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	< NODI [6]	NODI [6]	(28)			
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX	UPT		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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

M. T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE			DATE		
413	448-5902		2006	12	19
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 S. RUEBEBAM
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 2
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	11	01	TO	06	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 1 00400 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		7.5	******	7.7	(12 SU	0	99/99	RCDR
	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKL	RANG
BASE NEUTRALS & ACID (METHOD 625), TOTA 76030 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	(19			
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		QTRLY	GRAB
VOLATILE COMPOUNDS, (GC/ME) 78735 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	(19			
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		QTRLY	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE			DATE		
413	448-5902		2006	12	19
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 LOCATION: GENERAL ELECTRIC COMPANY
PITTSFIELD MA 01201
ATTN: MICHAEL T CARROLL, EHS&F

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

Form Approved.
OMB No. 2040-0004

MA0003891 — PERMIT NUMBER
007 1 — DISCHARGE NUMBER

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

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	11	01	TO	06	11	30

*** NO DISCHARGE ***

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
TEMPERATURE, WATER DEG. FAHRENHEIT (C011 W D C) SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******			(15)			
	PERMIT REQUIREMENT	******	******	**** ****	******	70 MO AVG	75 DAILY MX	DEG F		ONCE/ MONTH	GRAB
PH (00400 W D C) SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******			******		(12)			
	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG-G
POLYCHLORINATED BIPHENYLS (PCBS) (39516 W D C) SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******			(21)			
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX	PPB		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT (50050 W D C) 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

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	2006	12	19
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 S. RUEBESAM
100 WOODLAWN AVENUE
PITTSFIELD MA 01201

FACILITY LOCATION: GENERAL ELECTRIC COMPANY
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

*** NO DISCHARGE [X] ***

NOTE: Read Instructions before completing this form.

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	11	01	TO	06	11	30

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT			(26)	******	******	******				
00310 V 3 0	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/D	******	******	******	***** *****		WEEKLY	COMPOS
SEE COMMENTS BELOW											
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT			(26)	******	******	******				
00530 V 3 0	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/D	******	******	******	***** *****		WEEKLY	COMPOS
SEE COMMENTS BELOW											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT			(03)	******	******	******				
50050 V 0 0	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	***** *****		CONTINUOUS	RECORD
SEE COMMENTS BELOW											
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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

M. T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
413	448-5902	2006	12	19

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

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

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

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

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

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	009 B

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

*** NO DISCHARGE [ ] ***

NOTE: Read Instructions before completing this form.

MONITORING PERIOD	YEAR	MO	DAY
FROM	06	11	01
TO	06	11	30

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5 DAY (20 DEG. C) 00310 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0	0	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	106 MO AVG	439 DAILY MX	LBS/D	******	******	******	**** ****		WEEKL	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.1	0.2	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/D	******	******	******	**** ****		WEEKL	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.003	0.040	(03) MGD	******	******	******		0	99/99	RC
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	RECORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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

M. T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
413	448-5902	2006	12	19

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

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

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

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

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

MA0003891 — PERMIT NUMBER
009 1 — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	11	01	TO	06	11	30

Form Approved.
OMB No. 2040-0004

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

*** 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 C C SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0	0	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	106 MO AVG	432 DAILY MX	LBS/D	******	******	******	**** ****		WEEKL	COMPOS
PH 00400 V 0 C SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		6.8	******	7.3	(12) SU	0	01/07	GR
	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKL	RANG-C
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.1	0.2	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	213 MO AVG	875 DAILY MX	LBS/D	******	******	******	**** ****		WEEKL	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	******	435 DAILY MX	LBS/D	******	******	15 DAILY MX	MG/L		WEEKL	GRAB
POLYCHLORINATED BIPHENYLS (PCB) 39516 V C 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	(19) MG/L			
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX			QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V C 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.003	0.040	(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

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	2006	12	19
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)*

MA0003891 — PERMIT NUMBER
SUM A — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	11	01	TO	06	11	30

Form Approved.
OMB No. 2040-0004

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

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

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	1.8	(26) LBS/DY	******	******	******		0	02/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
NICKEL TOTAL RECOVERABLE 01074 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	02/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
SILVER TOTAL RECOVERABLE 01079 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	02/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
ZINC TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0.8	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
ALUMINUM, TOTAL (AS AL) 01105 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	7.1	(26) LBS/DY	******	******	******		0	02/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
CADMIUM TOTAL RECOVERABLE 01113 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	02/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
LEAD TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0.13	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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

M. T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
413	448-5902	2006	12	19
AREA CODE	NUMBER	YEAR	MO	DAY

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

COMPOSITE PROPORTIONATE TO FLOW.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

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

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

MA0003891 — PERMIT NUMBER
SUM A — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	11	01	TO	06	11	30

Form Approved.
OMB No. 2040-0004

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

*** NO DISCHARGE [ ] ***

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
CHROMIUM TOTAL RECOVERABLE 01118 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	02/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		WEEKL	COMPOS
CYANIDE, TOTAL RECOVERABLE 78248 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0.08	(26) LBS/DY	******	******	******		0	02/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

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

AREA CODE	NUMBER
413	448-5902

DATE

YEAR	MO	DAY
2006	12	19

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

COMPOSITE PROPORTIONATE TO FLOW.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

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

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

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	SUM B

MONITORING PERIOD	YEAR	MO	DAY
FROM	06	11	01
TO	06	11	30

Form Approved.
OMB No. 2040-0004

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 U D. PULEX TDM3D 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		NODI [9]	******	******	(23)			
	PERMIT REQUIREMENT	******	******	**** ****	55 DAILY MN	******	******	PER-CENT		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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	2006	12	19
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

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME GENERAL ELECTRIC CORPORATION

ADDRESS ATTN: JEFFREY G. RUEBESAM
100 WOODLAWN AVENUE
PITTSFIELD MA 01201

FACILITY GENERAL ELECTRIC COMPANY
LOCATION PITTSFIELD MA 01201
ATTN: MICHAEL T CARROLL, EHS&F

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

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	SUM C

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

Form Approved.
OMB No. 2040-0004

MONITORING PERIOD	YEAR	MO	DAY
FROM	06	10	01
TO	06	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 TDM3D 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		100	******	******	(23) %	0	01/30	CP
	PERMIT REQUIREMENT	******	******	**** ****	REPORT DAILY MN	******	******	PER-CENT		QTRLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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	2006	12	19
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
December 2006

BBL®
an ARCADIS company

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

Columbia Analytical Services INC.
An Employee - Owned Company

December 27, 2006

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

Re: NPDES Biomonitoring Report for December 2006
Submission #: R2635042

Dear Mr. Nicholson:

Enclosed is our report on the Acute Whole Effluent Toxicity testing conducted in December 2006. The Outfall Composite samples were collected on 12/12/06 at 11:40 am. The Housatonic River samples were collected on 12/12/06 at 8:40 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, total residual chlorine, 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, and pH. 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

Carlton Beechler
Project Manager

enc.

CC: Jill Piskorz, Pat Foos and Yelena Geyfman vial email.

NPDES BIOMONITORING REPORT

GENERAL ELECTRIC COMPANY
Pittsfield, MA
NPDES PERMIT MA 0003891

Monthly Acute Toxicity Monitoring
Dry Weather Conditions
December 2006

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: Carlton R. Beechler
December 27, 2006

TABLE OF CONTENTS

I. Summary

On December 11-12, 2006 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, 005-64T, 005-64G and 09B 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 12, 2006 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 O'Brien & Gere, Inc. 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 11-12, 2006 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%

No limit is established for wet weather NOAEL in the GE NPDES permit.

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

Control Analysis	Result
Survival in 100% dilution water	88%
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	2.281g NaCl/L December 13, 2006

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.

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 separately 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 11-12, 2006

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
Ammonia	CAS	0.410	0.0593
Chloride	CAS	176	14.6
Total Alkalinity	CAS	377	66.0
Total Organic Carbon	CAS	7.87	3.19
Total Phosphorus	CAS	ND (0.0500)	ND (0.0500)
Total Solids	CAS	679	108
Total Suspended Solids	CAS	ND (1.00)	ND (1.00)
Hardness	Aquatec	362	78
Spec. Conductance (umhos)	Aquatec	1343	206
pH (SU)	Aquatec	7.7	7.2
TRC (start of toxicity test)	Aquatec	ND	ND
Cyanide	CAS	0.0590	ND (0.0100)
Aluminum, total	CAS	ND (0.100)	ND (0.100)
Aluminum, dissolved	CAS	ND (0.100)	NA
Cadmium, total	CAS	ND (0.00500)	ND (0.00500)
Cadmium, dissolved	CAS	ND (0.00500)	NA
Chromium, total	CAS	ND (0.0100)	ND (0.0100)
Chromium, dissolved	CAS	ND (0.0100)	NA
Copper, total	CAS	ND (0.0200)	ND (0.0200)
Copper, dissolved	CAS	ND (0.0200)	NA
Lead, total	CAS	ND (0.00500)	ND (0.00500)
Lead, dissolved	CAS	ND (0.00500)	NA
Nickel, total	CAS	ND (0.0400)	ND (0.0400)
Nickel, dissolved	CAS	ND (0.0400)	NA
Silver, total	CAS	ND (0.0100)	ND (0.0100)
Silver, dissolved	CAS	ND (0.0100)	NA
Zinc, total	CAS	ND (0.0200)	ND (0.0200)
Zinc, dissolved	CAS	ND (0.0200)	NA
pH (SU)	OB&G	7.90	7.71
Hardness	Aquatec	362	78

All results are mg/L unless otherwise indicated.

ND – Not detected (Number in parentheses is detection limit.)

NA – Not analyzed

TRC – Total Residual Chlorine

APPENDIX 1

Chemical and Acute Toxicity Data

Aquatec Biological Sciences

Aquatec Biological Sciences

Ecology | Environmental Toxicology | Natural Resource Assessments | Microbiology

December 22, 2006

Mr. Carl Beechler
Columbia Analytical Services,
1 Mustard Street – Suite 250
Rochester, NY 14609

Dear Mr. Beechler:

Enclosed please find one bound and one unbound copies of our report of the results for whole effluent toxicity testing of samples received from GE Pittsfield, Massachusetts on December 12, 2006.

According to the Chain-of-Custody documentation the samples for Whole Effluent Toxicity (WET) Testing were collected on December 12, 2006. The samples were transported to Aquatec Biological Sciences, Inc. by courier and delivered on the same day. The effluent sample (Sample 34085) was logged in for the acute 48-hour static toxicity test with *Daphnia pulex*. The receiving water sample (Sample 34086) was logged in for dilution water. A subsample of each sample was checked for residual chlorine (not detected) and for alkalinity and hardness measurements at Aquatec Biological Sciences, Inc. The toxicity test was started on December 13, 2006, within the specified holding time.

At the conclusion of the toxicity test on December 15, 2006, a final count of surviving organisms was completed. The average survival was 88 - 100 percent in all test concentrations. Acute toxicity to *Daphnia pulex* was not detected, and the 48-hour LC50 reported as >100% effluent (Section 4.1 of the report).

If you have any questions regarding the report, please call Dr. Philip C. Downey or me.

Sincerely,

John Williams
Manager, Environmental Toxicology

This report consists of the following numbered pages: 1 - 34

273 Commerce Street, Williston, VT 05495 Tel: 802.860.1638 Fax: 802.658.3189

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

Samples Collected in December 2006

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

SDG number: 10067
Effluent ID: Outfall Composite A7756C Aquatec sample number: 34085
Receiving water ID: Housatonic River A7757R Aquatec sample number: 34086

Study Director: John Williams

December 22, 2006

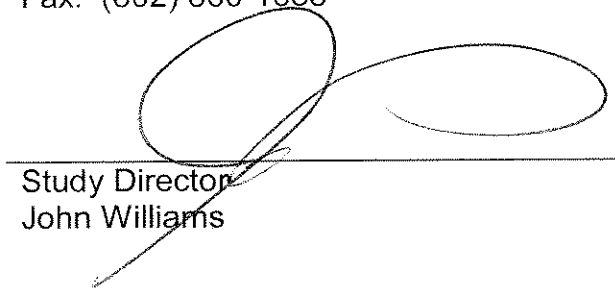
Submitted by:
Aquatec Biological Sciences, Inc.
273 Commerce Street
Williston, Vermont 05454
Phone: (802) 860-1638 Fax: (802) 860-1638

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

12/22/06
Date

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

12/22/06
Date

Whole Effluent Toxicity Test Report Certification

The results reported pertain only to the samples received and tested under this Sample Delivery Group (SDG).

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: 12/22/06

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., December 2002. Method 2021.0
Aquatec SDG:	10067
Test material:	Composite effluent from the General Electric Company located in Pittsfield, Massachusetts
GE sample ID:	OUTFALL COMPOSITE A7756C
Dilution water:	Water from the Housatonic River (grab sample)
GE sample ID:	HOUSATONIC RIVER A7757R
Dates collected:	December 12, 2006
Date received:	December 12, 2006
Test dates:	December 13-15, 2006
Test concentrations:	100%, 75%, 50%, 35%, 15%, 5% effluent. Dilution water control (Housatonic River A7757R) 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 13 - 15, 2006 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 R5, May 4, 2006. 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.,

December 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 (Outfall Composite A7756C) was collected by GE personnel from December 11-12, 2006. The receiving water sample (Housatonic River A7757R) was a grab collected from the Housatonic River on December 12, 2006. Samples were delivered to Aquatec on the same day. Upon receipt at Aquatec on December 12, 2006, the temperature of the temperature blank contained within the cooler was 0.0°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 (7.2); dissolved oxygen (8.6 mg/L); conductivity (210 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 approximately 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 2.281 g NaCl/L with 95% confidence intervals of 1.76-4.75 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, qualifiers or special conditions were not applicable to the reported toxicity test.

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 OUTFALL COMPOSITE A7756C	Housatonic River A7757R HOUSATONIC RIVER A7757R
Temperature	20.2	20.3
pH	7.7	7.2
Alkalinity (as $CaCO_3$), mg/L	352	64
Hardness (as $CaCO_3$), mg/L	362	78
Dissolved oxygen, mg/L	9.7	10.0
Specific conductivity, uS/cm	1343	206
Salinity ($^o/_{oo}$)	1	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 13-15, 2006.

Test Concentration (% effluent)	pH			Dissolved Oxygen (mg/L)			Temperature (°C)		
	0	24	48	0	24	48	0	24	48
Dechl. Control	7.4	-	7.4	8.8	-	9.1	20.2	20.4	20.7
Lab Control	7.2	-	7.2	8.6	-	9.1	20.5	20.8	20.5
Dilution Control	7.2	-	7.4	10.0	-	9.1	20.3	20.2	20.5
5%	7.2	-	7.4	10.1	-	9.1	20.5	20.1	20.3
15%	7.3	-	7.6	10.2	-	9.1	20.4	19.9	20.2
35%	7.5	-	8.1	10.1	-	9.1	20.4	19.8	20.2
50%	7.6	-	8.2	10.0	-	9.2	20.3	19.7	20.1
75%	7.6	-	8.2	9.9	-	9.2	20.3	19.9	20.1
100%	7.7	-	8.1	9.7	-	9.2	20.2	19.9	20.1

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 13-15 , 2006.

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	20	0	0	4	20	0	20	0	0	8
75%	0	0	0	0	0	0	0	0	0	0	0	0
100%	0	0	0	0	0	0	0	20	20	0	20	12

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).

Percent mortality = (# dead/5) X 100

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: AQUATEC COURIER
Address: O'Brien & Gere	**Outfall Composite**	
1000 East Street, Gate 64	Project Number: 06004	Airbill Number:
City/State/Zip: Pittsfield, MA 01201	Sampler Name(s):	
Telephone: (413) 494-6709	NPDES Permit #: MA0003891	Date Shipped: 12-12-06
Facsimile: (413)494-7052		
Contact Name: ~~Mark Wasnewsky~~	Quote #: 10/05 Client Code: GEPITTS	Hand Delivered: ☒ Yes ☐ No

SAMPLE IDENTIFICATION	COLLECTION DATE	COLLECTION TIME	GRAB	COMPOSITE	MATRIX	ANALYSIS (detection limits, mg/L)	VOLUME/CONTAINER TYPE/ PRESERVATIVE: NUMBER OF CONTAINERS (4°C / 4°C / 4°C H_2SO_4 / 4°C H_2SO_4 / 4°C / 4°C HNO_3)
Outfall Composite A77560	12-12-06	10:40 AM		X	Effluent	*Daphnia pulex* 48-h Static Acute Toxicity (EPA Method 2021.0). Log in for A48DPS	1
Outfall Composite A77560	12-12-06	10:40 AM		X	Effluent	Total Residual Chlorine	1
Housatonic River A77561R	12-12-06	9:40 AM	X		Receiving	Dilution Water	1
Housatonic River A77561R	12-12-06	9:40 AM	X		Receiving	Total Residual Chlorine	1

Relinquished by: *(signature)*	DATE	TIME	Received by: *(signature)*
C. Cooper	12Dec06	1800	Steven Rundall
Relinquished by: *(signature)*	DATE	TIME	Received by: *(signature)*
	12/12/06	16:15	
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: 1.2 °C. Dechlorinate the effluent sample if chlorine is detected.

(0°C)

Appendix 2
Summary of Test Conditions

Client: GENERAL ELECTRIC, PITTSFIELD, MA, MA0003891 **SDG: 10067**

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. Day 2: temperature, DO, pH, and conductivity 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

TOXICITY TEST SUMMARY SHEET

Facility Name: Outfall Composite A7756C Test Start Date: 12/13/06

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

Effllluent Sampling Dates: December 17, 2006

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

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

With Sea Salts? NA Hypersaline Brine Solution? NA

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

Reference Toxicant Date: 12/13/06

PERMIT LIMITS AND TEST RESULTS

Test Acceptability Criteria: Mean Control Survival: 100 (%)

	Limits (%)		**Results (%)**
LC50	NA	**48-Hour LC50**	**>100**
		Upper Value	--
		Lower Value	--
		Data Analysis Method	Probit / Steel
A-NOEC	NA	**48-hour A-NOEC**	**100**
C-NOEC	NA	C-NOEC	--
		LOEC	--
IC25	NA	IC25	--
IC50	NA	IC50	--

NA: Not Applicable

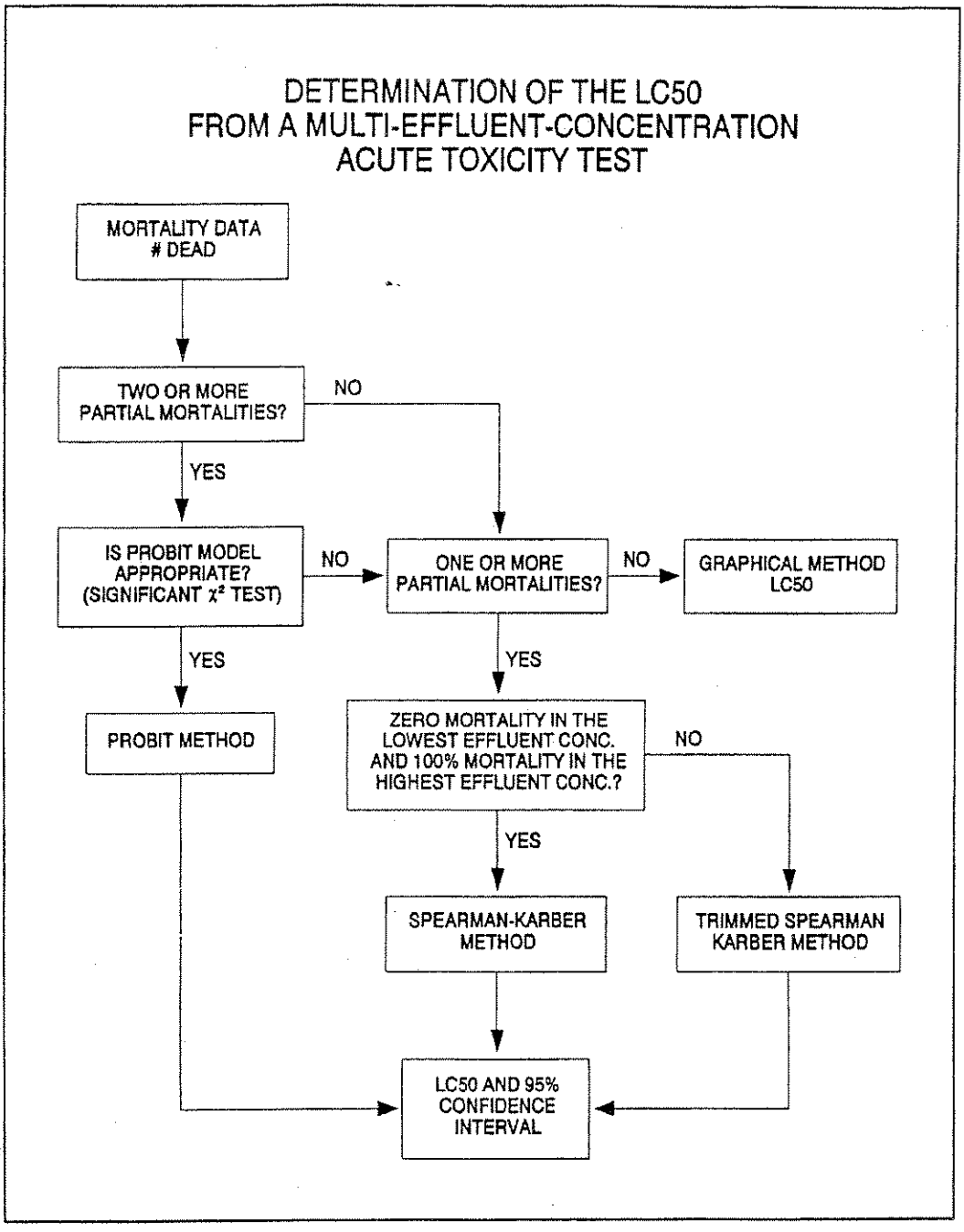


Figure 6. Flowchart for determination of the LC50 for multi-effluent-concentration acute toxicity tests.

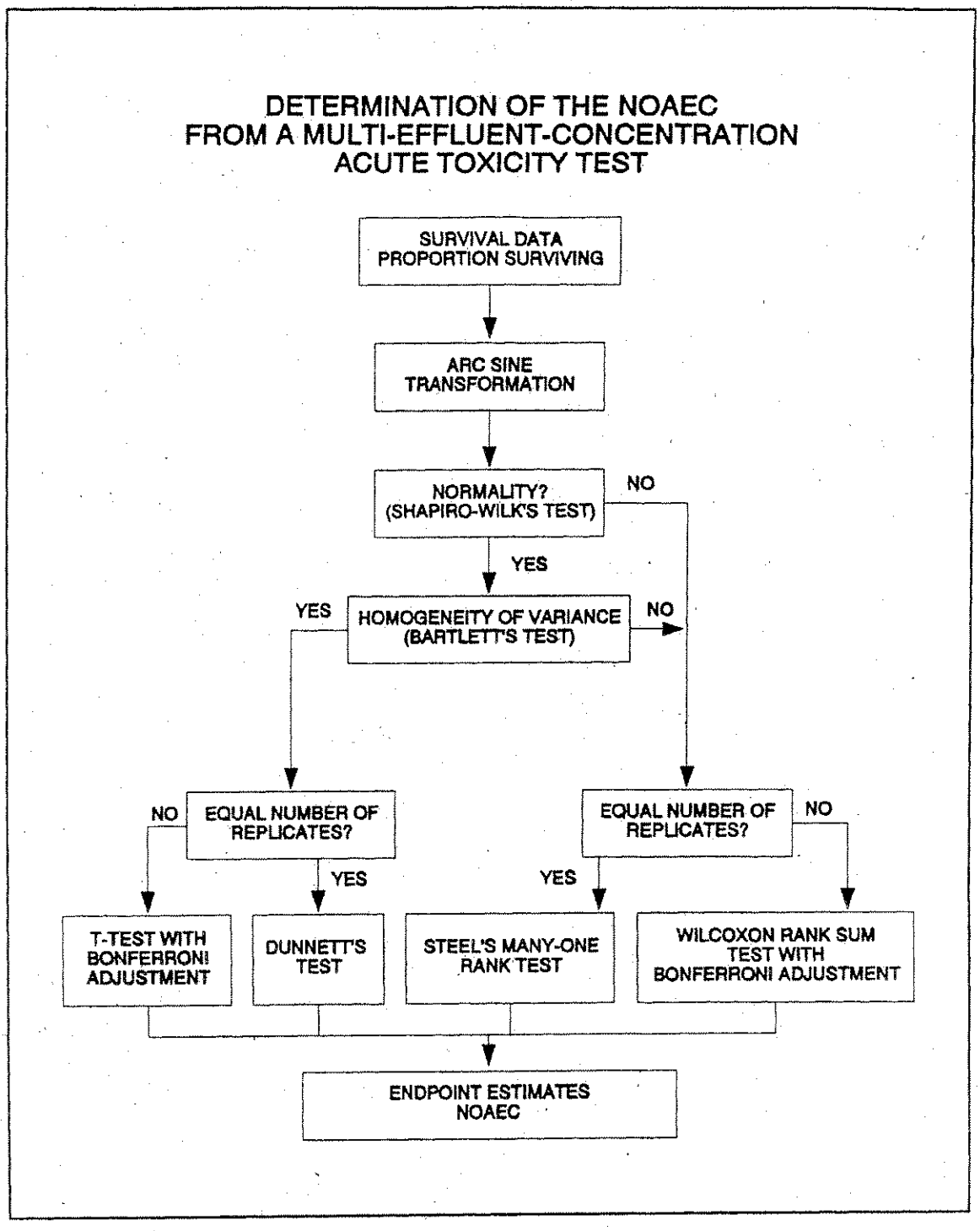


Figure 13. Flowchart for analysis of multi-effluent-concentration test data.

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

Aquatec Biological Sciences, Inc.

Test Date: 12/13/06
Sample Date: 12/12/06
Species: Daphnia pulex
Test Type: Acute - 48 hours

Test Number: 51435
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	1.25	.130	
			X	75.000 D	5	1.35	0.000	
			X	100.000 D	5	1.20	.130	
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	.92	.110	
				75.000 D	5	1.00	0.000	
				100.000 D	5	.88	.110	

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.					
		Steel many-one rank test	>100.000	>100.000	< 1.00	.005	.106

- PROPORTION POINT ESTIMATE -

End Point	Day	Method	P	Conc	95% CI	TU
Proportion Alive	2	Probit				
			EC 50	> 100.000	-	< 1.00

Aquatec Biological Sciences, Inc.

WATER FLEA TEST DATA

Test Number: 51435 ( ) Chronic (x) Acute 48 hours
Test Date: 13-Dec-06
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	6		6						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		4						.80		
50.00 D	2		F	5		5						1.00		
50.00 D	3		F	5		4						.80		
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		4						.80		
100.00 D	3		F	5		4						.80		
100.00 D	4		F	5		5						1.00		
100.00 D	5		F	5		4						.80		

12/22/06

Client: GENERAL ELECTRIC, PITTSFIELD, MA Test #: 51435 SDG: 10067
MA0003891
Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test

SURVIVAL DATA, SAMPLE 34085

Treatment (%)		Day 0	Day 1 # Surviving	Day 2 # Surviving
Rec.	A	5	5	5
Water	B	~~5~~ 6	5	~~5~~ 6 ①
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	4
	B	5	5	5
	C	5	4	4
	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	4
	C	5	5	4
	D	5	5	5
	E	5	5	4
Sample #		34085		
I/D/T		KS 12/13 13:45	KS 12/14 14.00	12-15-06 14:10 JG

① The test must have been initiated with 6 neonates in this rep. JG

Aquatec Biological Sciences, Inc. Williston Vermont
Reviewed by: _____ Date: 12/22/06 26

Client: GENERAL ELECTRIC, PITTSFIELD, MA Test #: 51435 SDG: 10067
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 12/13 13:45	KS 12/14 13:50	12-15-06 14:10 JG

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.

Client: GENERAL ELECTRIC, PITTSFIELD, MA Test #: 51435 SDG: 10067
MA0003891 OUTFALL 001
Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test

Treatment (%)	Parameter	Day 0	Day 1	Day 2
Lab	pH	7.2		7.2
Contr	DO	8.6		9.1
	Temp	20.5	20.8	20.5
	Cond.	210	--	225
Dechlorination	pH	7.4		7.4
Control	DO	8.8		9.1
	Temp	20.2	20.4	20.7
	Cond.	302	--	315
Rec.	pH	7.2		7.4
Water	DO	10.0		9.1
Contr	Temp	20.3	20.2	20.5
	Cond.	206	--	225
5.0	pH	7.2		7.4
	DO	10.1		9.1
	Temp	20.5	20.1	20.3
	Cond.	207	--	224
15	pH	7.3		7.6
	DO	10.2		9.1
	Temp	20.4	19.9	20.2
	Cond.	383	--	400
35	pH	7.5		8.1
	DO	10.1		9.1
	Temp	20.4	19.8	20.2
	Cond.	609	--	629
50	pH	7.6		8.2
	DO	10.0		9.2
	Temp	20.3	19.7	20.1
	Cond.	775	--	783
75	pH	7.6		8.2
	DO	9.9		9.2
	Temp	20.3	19.9	20.1
	Cond.	1038	--	994
100	pH	7.7		8.1
	DO	9.7		9.2
	Temp	20.2	19.9	20.1
	Cond.	1343	--	1128
Sample #		34085	34085	34085
I/D (2006)		KS 12/13	KS 12/14	JG 12/15

Aquatec Biological Sciences, Inc.
273 Commerce Street
Williston, VT 05495
(802) 860-1638

Total Residual Chlorine Analysis

Client	SDG
GE Pittsfield, MA	10067

Sample #	Sample ID	Collection Date / Time	Analysis Date / Time / Analyst	Result (TRC mg/L)	Method
34085	Outfall Composite A7756C	12/12/06, 10:40	12/13/06, 15:54 JWW	<0.1	DPD Colorimetric
34086	Housatonic River A7757R	12/12/06, 08:40	12/13/06, 15:54 JWW	<0.1	DPD Colorimetric

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
34085	Outfall Composite		12/13/06	25	0	8.8	KK	12/13/06	352.0	50	28.8	46.9	KK	12/13/06	362.0
34086	Housatonic River		12/13/06	25	8.8	10.4	KK	12/13/06	64.0	50	0	3.9	KK	12/13/06	78.0

12/22/06

Sample Preparation

Client: GENERAL ELECTRIC, PITTSFIELD, MA MA0003891	**SDG: 10067**
Test Description: *Daphnia pulex* acute toxicity test.	**Test #: 51435**

Sample Identification:

Sample Description	Rec. Water (Housatonic River)	Effluent		
Sample #	34086	34085		

Sample Preparation:

Filtration	60 micron	60 micron	60 micron	60 micron
Chlorine [1]	ND	ND		
Dechlorine [2]	—	—		
Salinity (o/oo)	0	1 o/oo		
Prepared by (Init./date)	KS 12-13-06			

[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	

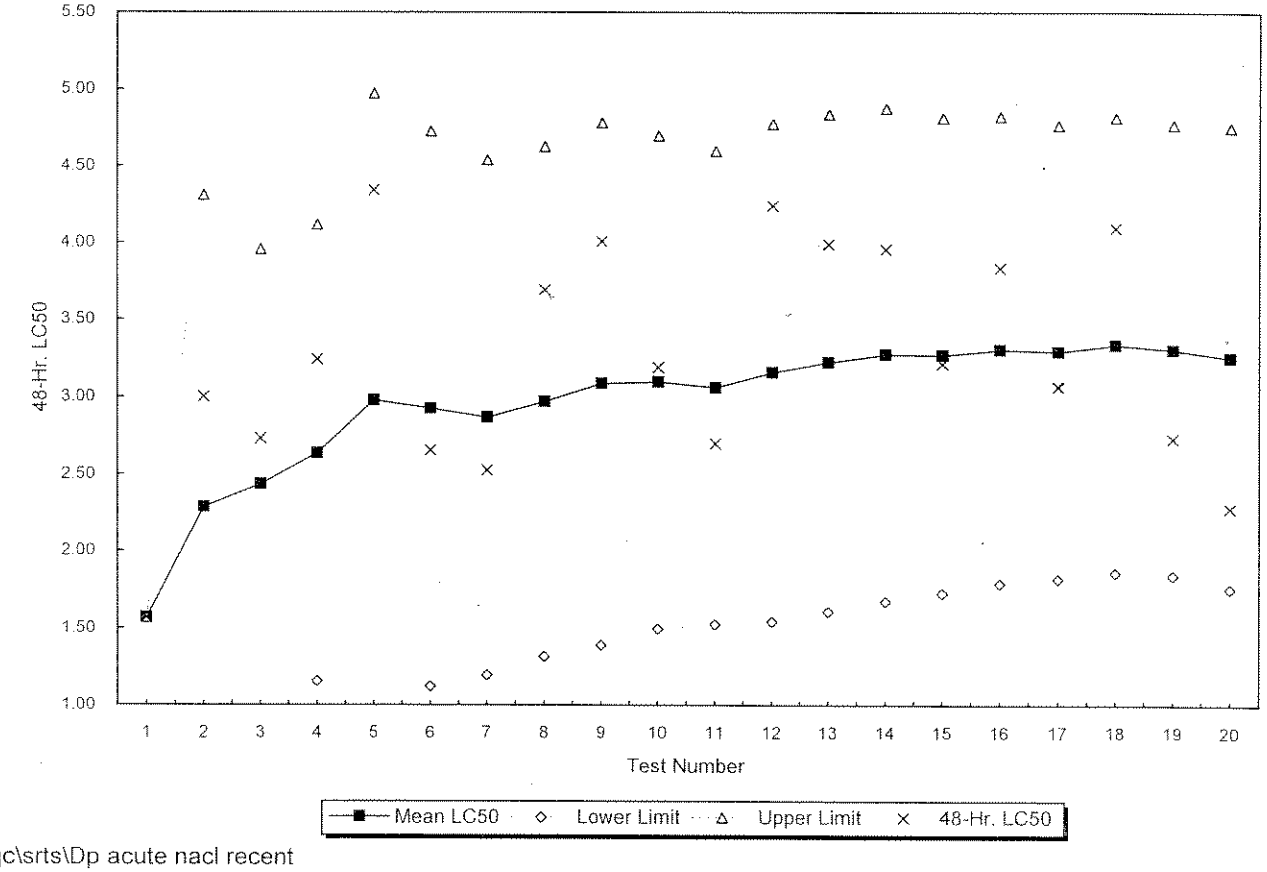
Comments:

Collect alkalinity and hardness samples on each new effluent and receiving water sample.

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	09/17/98	1	1.57	1.57	1.57	1.57	Aquatec Biological Sciences
2	12/15/98	1	3.002	2.29	0.26	4.31	Aquatec Biological Sciences
3	10/08/05	1	2.733	2.44	0.91	3.96	Aquatic BioSystems
4	10/11/05	1	3.241	2.64	1.16	4.12	Aquatic BioSystems
5	10/19/05	1	4.342	2.98	0.98	4.97	Aquatic BioSystems
6	11/02/05	1	2.655	2.92	1.12	4.73	Aquatec Biological Sciences
7	11/08/05	1	2.527	2.87	1.19	4.54	Aquatec Biological Sciences
8	12/07/05	1	3.693	2.97	1.32	4.63	Aquatec Biological Sciences
9	01/05/06	1	4.009	3.09	1.39	4.78	Aquatec Biological Sciences
10	02/08/06	1	3.189	3.10	1.50	4.70	Aquatec Biological Sciences
11	03/11/06	1	2.698	3.06	1.52	4.60	Aquatec Biological Sciences
12	04/06/06	1	4.243	3.16	1.54	4.78	Aquatec Biological Sciences
13	05/10/06	1	3.992	3.22	1.61	4.84	Aquatec Biological Sciences
14	06/07/06	1	3.959	3.28	1.67	4.88	Aquatec Biological Sciences
15	07/11/06	1	3.215	3.27	1.73	4.81	Aquatec Biological Sciences
16	08/08/06	1	3.839	3.31	1.79	4.82	Aquatec Biological Sciences
17	09/13/06	1	3.068	3.29	1.82	4.77	Aquatec Biological Sciences
18	10/11/06	1	4.098	3.34	1.86	4.82	Aquatec Biological Sciences
19	11/17/06	1	2.733	3.31	1.84	4.77	Aquatec Biological Sciences
20	12/13/06	1	2.281	3.25	1.76	4.75	Aquatec Biological Sciences



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

Copies of our SOP have been submitted with prior reports. Any future revisions of this SOP will be submitted.

APPENDIX 2

Laboratory Reports

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

NPDES Sampling
GE Pittsfield
Toxicity pH

Date: 12/12/06

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

Effluent Composite
Sample # A7756C
Date 12-12-06
Time 10:40AM
pH 7.90 su

River/Dilution Water
Sample # A7757R
Date 12-12-06
Time 8:40AM
pH 7.71 su

SEAN C. COYLE

12-12-06

Signed & Dated

COLUMBIA ANALYTICAL SERVICES

Reported: 12/22/06

General Electric
Project Reference: GE-PITTSFIELD BIOMONITORING - 12/06
Client Sample ID : A7756C

Date Sampled : 12/12/06 10:40 **Order #:** 961620 **Sample Matrix:** WATER
Date Received: 12/13/06 **Submission #:** R2635042

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
AMMONIA	350.1	0.0500	0.410	MG/L	12/14/06	09:47	1.0
CHLORIDE	300.0	0.200	176	MG/L	12/18/06	15:56	40.0
TOTAL ALKALINITY	310.1	2.00	377	MG/L	12/14/06	09:45	1.0
TOTAL ORGANIC CARBON	9060	1.00	7.87	MG/L	12/16/06	15:08	1.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0500 U	MG/L	12/20/06	07:17	1.0
TOTAL SOLIDS	160.3	10.0	679	MG/L	12/19/06	15:35	1.0
TOTAL SUSPENDED SOLIDS	160.2	1.00	1.00 U	MG/L	12/15/06	13:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/22/06

General Electric
Project Reference: GE-PITTSFIELD BIOMONITORING - 12/06
Client Sample ID : A7756CCN

Date Sampled : 12/12/06 10:40 **Order #:** 961623 **Sample Matrix:** WATER
Date Received: 12/13/06 **Submission #:** R2635042

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0590	MG/L	12/21/06	10:35	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/22/06

General Electric
Project Reference: GE-PITTSFIELD BIOMONITORING - 12/06
Client Sample ID : A7756CTM

Date Sampled : 12/12/06 10:40 **Order #:** 961622 **Sample Matrix:** WATER
Date Received: 12/13/06 **Submission #:** R2635042

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	12/15/06	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	12/15/06	1.0
CALCIUM	200.7	1.00	88.8	MG/L	12/15/06	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	12/15/06	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	12/15/06	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	12/18/06	1.0
MAGNESIUM	200.7	1.00	37.3	MG/L	12/15/06	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	12/15/06	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	12/15/06	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	12/15/06	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/22/06

General Electric
Project Reference: GE-PITTSFIELD BIOMONITORING - 12/06
Client Sample ID : A7756CDM

Date Sampled : 12/12/06 10:40 **Order #:** 961621 **Sample Matrix:** WATER
Date Received: 12/13/06 **Submission #:** R2635042

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	12/15/06	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	12/15/06	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	12/15/06	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	12/15/06	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	12/18/06	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	12/15/06	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	12/15/06	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	12/15/06	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/22/06

General Electric
Project Reference: GE-PITTSFIELD BIOMONITORING - 12/06
Client Sample ID : A7757R

Date Sampled : 12/12/06 08:40 **Order #:** 961619 **Sample Matrix:** WATER
Date Received: 12/13/06 **Submission #:** R2635042

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
AMMONIA	350.1	0.0500	0.0593	MG/L	12/14/06	09:47	1.0
CHLORIDE	300.0	0.200	14.6	MG/L	12/18/06	15:41	10.0
TOTAL ALKALINITY	310.1	2.00	66.0	MG/L	12/14/06	09:45	1.0
TOTAL ORGANIC CARBON	9060	1.00	3.19	MG/L	12/16/06	14:30	1.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0500 U	MG/L	12/20/06	07:17	1.0
TOTAL SOLIDS	160.3	10.0	108	MG/L	12/19/06	15:35	1.0
TOTAL SUSPENDED SOLIDS	160.2	1.00	1.00 U	MG/L	12/15/06	13:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/22/06

General Electric
Project Reference: GE-PITTSFIELD BIOMONITORING - 12/06
Client Sample ID : A7757RCN

Date Sampled : 12/12/06 08:40 **Order #:** 961624 **Sample Matrix:** WATER
Date Received: 12/13/06 **Submission #:** R2635042

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	12/21/06	10:35	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/22/06

General Electric
Project Reference: GE-PITTSFIELD BIOMONITORING - 12/06
Client Sample ID : A7757RTM

Date Sampled : 12/12/06 08:40 **Order #:** 961627 **Sample Matrix:** WATER
Date Received: 12/13/06 **Submission #:** R2635042

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	12/15/06	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	12/15/06	1.0
CALCIUM	200.7	1.00	18.3	MG/L	12/15/06	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	12/15/06	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	12/15/06	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	12/18/06	1.0
MAGNESIUM	200.7	1.00	7.16	MG/L	12/15/06	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	12/15/06	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	12/15/06	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	12/15/06	1.0

APPENDIX 3

Chain of Custody Forms

Columbia Analytical Services, INC.
An Employee - Owned Company
www.caslab.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 1 OF 2

SR #

CAS Contact

Project Name: NPDES PERMIT	Project Number:
Project Manager: J. NICHOLSON	Report CC:
Company/Address: GE CSP 159 PLASTICS AVE, BLDG 59 PITTSFIELD, MA 01201	
Phone #: (413) 448-5915	FAX#: (413) 448-5935
Sampler's Signature: C Coyle	Sampler's Printed Name: SEAN C. COYLE

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 2 2 4 0 0

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(10) EPA (List in comments below) 200.7	METALS, DISSOLVED(7) EPA (List in comments below) 200.7	CYANIDE EPA 335.4	TSS EPA 160.2	CHLORIDE & TOTAL SOLIDS	REMARKS/ ALTERNATE DESCRIPTION
A7756CTM	961622	12.12.06	10:40 AM	H2O	1						X					
A7757RTM	961627 961623		8:40 AM	H2O	1						X					
A7756CDM	961621		10:40 AM	H2O	1							X				
A7756CCN	961623 961627		10:40 AM	H2O	1								X			
A7757RCN	961624		8:40 AM	H2O	1								X			
A7756C	961920		10:40 AM	H2O	1									X		
A7757R	961619		8:40 AM	H2O	1									X		
A7756C	961920		10:40 AM	H2O	1										X	
A7757R	961619	✓	8:40 AM	H2O	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 TOTAL METALS(10) & DISSOLVED METALS(7) LISTED ON SAMPLE BOTTLES
- ACCUTE TOX COMPOSITE SHEET & TOX pH SHEET INCL. W/ COC'S
- SAMPLES PACKED IN ICE

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr X 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
X IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION # R267504

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: C. Coyle	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: SEAN C. COYLE	Printed Name: Gregory D. Emerian	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: GE	Firm: CAS	Firm:	Firm:	Firm:	Firm:
Date/Time: 12-12-06, 1:00pm	Date/Time: 12-13-06 9:30	Date/Time:	Date/Time:	Date/Time:	Date/Time:

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

SCOC-1102-08

Columbia Analytical Services, Inc.
An Employee - Owned Company
www.caslab.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475

SR #

CAS Contact

Project Name: NPDES PERMIT	Project Number:
Project Manager: J. NICHOLSON	Report CC:
Company/Address: GE CEP 159 PLASTICS AVE, BLDG 59 PITTSFIELD, MA 01201	
Phone #: (413) 498-5915	FAX#: (413) 448-5935
Sampler's Signature: C Coyle	Sampler's Printed Name: SEAN C. COYLE

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 3 3 Ø

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)	TOTAL PHOSPHOLUS & NH3	TOC	ALKALINITY	REMARKS/ ALTERNATE DESCRIPTION
A7756C	961920	12-12-06	10 40 AM	H2O	1								X			
A7757R	961619		8 40 AM	H2O	1								X			
A7756C	961920		10 40 AM	H2O	3									X		
A7757R	961619		8 40 AM	H2O	3									X		
A7756C	961920		10 40 AM	H2O	1										X	
A7757R	961619	↓	8 40 AM	H2O	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

- SAMPLES PACKED IN ICE

See QAPP ☐

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
___ 24 hr ___ 48 hr X 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
X IV. Data Validation Report with Raw Data
___ V. Specialized Forms / Custom Report
Edata ___ Yes ___ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #: A7635042

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: C Coyle	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: SEAN C. COYLE	Printed Name: Gregory O. Esmerian	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: GE	Firm: CAS	Firm:	Firm:	Firm:	Firm:
Date/Time: 12-12-06 / 1:00pm	Date/Time: 12-13-06 9:30	Date/Time:	Date/Time:	Date/Time:	Date/Time:

SCOC-1102-06

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

Cooler Receipt And Preservation Check Form

Project/Client GE-Pittsfield Submission Number _____

Cooler received on 12-13-06 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)		
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:	2.5°	____	____	____	____
	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: 12-13-06 @ 10:22

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: G 12/13/06

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	Final pH
pH	Reagent						
≥12	NaOH						
≤2	HNO_3						
≤2	H_2SO_4						
Residual Chlorine (+/-)	for TCN & Phenol						

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

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

Other Comments:

PC Secondary Review: _____

Aquatec Biological Sciences
Chain-of-Custody Record

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

COMPANY INFORMATION

Name: General Electric Company
Address: O'Brien & Gere
1000 East Street, Gate 64
City/State/Zip: Pittsfield, MA 01201
Telephone: (413) 494-6709
Facsimile: (413) 494-7052
Contact Name: ~~Mark Wasnewsky~~

COMPANY'S PROJECT INFORMATION

Project Name: GE PITTSFIELD
Outfall Composite
Project Number: 06004
Sampler Name(s):
NPDES Permit #: MA0003891
Quote #: 10/05 Client Code: GEPITTS

SHIPPING INFORMATION

Carrier: AQUATEC COURIER
Airbill Number:
Date Shipped: 12-12-06
Hand Delivered: ☒ Yes ☐ No

VOLUME/CONTAINER TYPE/ PRESERVATIVE

4^0C	4^0C	4^0C H_2SO_4	4^0C H_2SO_4	4^0C	4^0C HNO_3
—	—	—	—	—	—
Plastic	Plastic	Plastic	Glass	Glass	Plastic
—	—	—	—	—	—
1 gal	1/2 gal	1 L	40 ml	40 mL	0.5 L

SAMPLE IDENTIFICATION	COLLECTION DATE	COLLECTION TIME	GRAB	COMPOSITE	MATRIX	ANALYSIS (detection limits, mg/L)	NUMBER OF CONTAINERS: 1 gal	1/2 gal	1 L	40 ml	40 mL	0.5 L
Outfall Composite A7756C	12-12-06	10:40 AM		X	Effluent	*Daphnia pulex* 48-h Static Acute Toxicity (EPA Method 2021.0). Log in for A48DPS	1					
Outfall Composite A7756C	12-12-06	10:40 AM		X	Effluent	Total Residual Chlorine					1	
Housatonic River A7757R	12-12-06	7:40 AM	X		Receiving	Dilution Water	1					
Housatonic River A7757R	12-12-06	7:40 AM	X		Receiving	Total Residual Chlorine					1	

Relinquished by: (signature)	DATE	TIME	Received by: (signature)
[signature]	12Dec06	1800	[signature]
Relinquished by: (signature)	12/12/06	16:15	[signature]
Relinquished by: (signature)			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: -1.2 °C. Dechlorinate the effluent sample if chlorine is detected.

(0°C)

12/12/2006

ACUTE AQUATIC TOXICITY COMPOSITE

Month: DEC
Week: 3
Fiscal Wk: 50
Weather: DRY

	Gallons/Day	Ml in Composite	Percent of Composite
001	7,660	**518.03**	**4.71%**
004	0	-	**0.00%**
007	0	-	**0.00%**
64T	13,569	**917.64**	**8.34%**
64G	141,410	**9,563.19**	**86.94%**
09A	0	-	**0.00%**
09B	17	**1.15**	**0.01%**
	162,656	11000	**100.00%**

The Acute Toxicity Composite was made today by SEAN C. COYLE **@** 10:40AM

according to the table above, and given the sample ID# A7756C.

Chain-of-Custody Form Number: 0361212006
Analysis: TOXICITY COMPOSITY
~~Location~~ TIME: 10:40AM Date: 12-12-06
Sample Label Serial Number A 7756C

S. C. Coyle
Signed

12-12-06
Date