GE
159 Plastics Avenue
Pittsfield, MA 01201
USA

Transmitted via Overnight Courier

December 8, 2006

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

Ms. Susan Steenstrup
Bureau of Waste Site Cleanup
Department of Environmental Protection
436 Dwight Street
Springfield, MA 01103

Re: GE-Pittsfield/Housatonic River Site
Monthly Status Report Pursuant to Consent Decree for November 2006 (GECD900)

Dear Mr. Tagliaferro and Ms. Steenstrup:

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

Richard W. Gates
Remediation Project Manager

Enclosure
V:\GE_Pittsfield_General\Reports and Presentations\Monthly Reports\2006\11-06 CD Monthly\62062196Ltr.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, 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)

November 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)
NOVEMBER 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 September 1 through September 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 November 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 November 2006. A copy of this document is provided in Attachment C.

c. Work Plans/Reports/Documents Submitted

None

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

- Continue NPDES sampling and monitoring activities.

- Attend public and Citizens Coordinating Council (CCC) meetings, as appropriate.

- Submit revised *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP) addressing EPA comments on February 2006 draft.*

- Submit revised *Project Operations Plan* (POP) addressing EPA comments on February 2006 draft.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA comments on GE's February 10, 2006 Proposed Revisions to the FSP/QAPP and POP (November 8, 2006).

ITEM 1
PLANT AREA
20s, 30s, 40s COMPLEXES
(GECD120)
NOVEMBER 2006

a. Activities Undertaken/Completed

- Completed site restoration activities at Building 32 Substation.
- Conducted the initial inspection of the temporary crushed materials stockpile at the 40s Complex (November 17, 2006).*
- Conducted drum sampling at Building 78 of oil drained from the large Silver Lake Area Transformer Bushings (transformer was removed as part of the Building 32 Substation Demolition Program), as identified in Table 1-1.
- Conducted the second annual inspections at the 20s and 30s Complexes, as required to assess compliance with their respective Grants of Environmental Restrictions and Easements (EREs) (November 17, 2006).*
- Continued work on drafting 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

None

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

- Submit reports on above-referenced annual inspections conducted at 20s and 30s Complexes.*
- Submit report on the above-referenced initial inspection of the temporary crushed materials stockpile at 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.*
- Continue to work on drafting and development of ERE and survey plan for the 40s Complex.*
- Work on plans for soil sampling in the vicinity of planned utility lines to be installed by PEDA at the 20s and 30s Complexes and the adjacent portion of Woodlawn Avenue.

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

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

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 1-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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
Building 78 Drum Sampling	F2875-OIL-1	11/6/06	Oil	SGS	PCB	11/15/06
Building 78 Drum Sampling	F2876-OIL-1	11/6/06	Oil	SGS	PCB	11/15/06
Building 78 Drum Sampling	F2877-OIL-1	11/6/06	Oil	SGS	PCB	11/15/06
Building 78 Drum Sampling	F2878-OIL-1	11/6/06	Oil	SGS	PCB	11/29/06

TABLE 1-2
PCB DATA RECEIVED DURING NOVEMBER 2006

BUILDING 78 DRUM SAMPLING
20s, 30s, 40s COMPLEX
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
F2875-Oil-1	11/6/2006	ND(0.91)	ND(0.91)	ND(0.91)	ND(0.91)	ND(0.91)	ND(0.91)	0.16 J	0.16 J
F2876-Oil-1	11/6/2006	ND(0.94)	ND(0.94)	ND(0.94)	ND(0.94)	ND(0.94)	ND(0.94)	0.33 J	0.33 J
F2877-Oil-1	11/6/2006	ND(0.95)	ND(0.95)	ND(0.95)	ND(0.95)	ND(0.95)	ND(0.95)	0.16 J	0.16 J
F2878-Oil-1	11/6/2006	ND(0.93)	ND(0.93)	ND(0.93)	ND(0.93)	ND(0.93)	ND(0.93)	0.37 J	0.37 J

Notes:
1. Samples were collected by BBL, an ARCADIS company (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.

Data Qualifiers:

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

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

a. Activities Undertaken/Completed

- Conducted drum sampling at Building 78 of oil from 64T compressor, as identified in Table 2-1.
- Conducted annual inspection of cover at 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)

- Submit report on annual inspection of cover at City Recreational Area.*
- Continue routine process sampling at Buildings 64G and/or 64T.

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.*
- Revised draft of ERE and associated survey plans for City Recreational Area are under review by EPA and MDEP.*

f. Proposed/Approved Work Plan Modifications

None

TABLE 2-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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 78 Drum Sampling	A3091-1	10/13/06	Liquid	SGS	PCB, VOC, SVOC, Total Metals (8)	11/2/06
Building 78 Drum Sampling	B1492-1	10/13/06	Liquid	SGS	PCB, VOC, SVOC, Total Metals (8)	11/2/06
Building 78 Drum Sampling	B1493-1	10/13/06	Liquid	SGS	PCB, VOC, SVOC, Total Metals (8)	11/2/06
Building 78 Drum Sampling	B1494-1	10/13/06	Liquid	SGS	PCB, VOC, SVOC, Total Metals (8)	11/2/06
Building 78 Drum Sampling	C1484-OIL-1	11/1/06	Oil	SGS	PCB	11/13/06
Separator Clean-Out Backhoe Bucket Wipe Sampling	Cat-Bkt-W1	10/30/06	Wipe	SGS	PCB	11/1/06
Separator Clean-Out Backhoe Bucket Wipe Sampling	Cat-Bkt-W2	10/30/06	Wipe	SGS	PCB	11/1/06
Separator Clean-Out Backhoe Bucket Wipe Sampling	Cat-Bkt-W3	10/30/06	Wipe	SGS	PCB	11/1/06
Separator Clean-Out Roll-Off Wipe Sampling	RO-21722-W1	10/30/06	Wipe	SGS	PCB	11/9/06
Separator Clean-Out Roll-Off Wipe Sampling	RO-21722-W2	10/30/06	Wipe	SGS	PCB	11/9/06
Separator Clean-Out Roll-Off Wipe Sampling	RO-21722-W3	10/30/06	Wipe	SGS	PCB	11/9/06
Separator Clean-Out Roll-Off Wipe Sampling	RO-21722-W4	10/30/06	Wipe	SGS	PCB	11/9/06
Separator Clean-Out Roll-Off Wipe Sampling	RO-21722-W5	10/30/06	Wipe	SGS	PCB	11/9/06
Separator Clean-Out Roll-Off Wipe Sampling	RO-21722-W6	10/30/06	Wipe	SGS	PCB	11/9/06
Separator Clean-Out Roll-Off Wipe Sampling	RO-25330-SW	10/30/06	Wipe	SGS	PCB	11/9/06
Separator Clean-Out Roll-Off Wipe Sampling	RO-25330-W1	10/30/06	Wipe	SGS	PCB	11/9/06
Separator Clean-Out Roll-Off Wipe Sampling	RO-25330-W2	10/30/06	Wipe	SGS	PCB	11/9/06
Separator Clean-Out Roll-Off Wipe Sampling	RO-25330-W3	10/30/06	Wipe	SGS	PCB	11/9/06
Separator Clean-Out Roll-Off Wipe Sampling	RO-25330-W4	10/30/06	Wipe	SGS	PCB	11/9/06
Separator Clean-Out Roll-Off Wipe Sampling	RO-25330-W5	10/30/06	Wipe	SGS	PCB	11/9/06
Separator Clean-Out Roll-Off Wipe Sampling	RO-25330-W6	10/30/06	Wipe	SGS	PCB	11/9/06

TABLE 2-2
PCB DATA RECEIVED DURING NOVEMBER 2006

SEPARATOR CLEAN-OUT BACKHOE BUCKET WIPE SAMPLING
EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in μg/100cm^2)

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Cat-Bkt-W1	10/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cat-Bkt-W2	10/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cat-Bkt-W3	10/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

Notes:
1. Samples were collected by BBL, an ARCADIS company (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.

TABLE 2-3
DATA RECEIVED DURING NOVEMBER 2006

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

Parameter / Sample ID: / Date Collected:	A3091-1 10/13/06	B1492-1 10/13/06	B1493-1 10/13/06	B1494-1 10/13/06
Volatile Organics				
1,1-Dichloroethane	ND(0.040)	0.00025 J	ND(0.0010)	0.00082 J
Benzene	0.010 J	ND(0.0010)	ND(0.0010)	0.00090 J
Chlorobenzene	1.1	ND(0.0010)	ND(0.0010)	0.0036
Ethylbenzene	ND(0.040)	ND(0.0010)	ND(0.0010)	0.0017
Methylene Chloride	ND(0.20)	0.00049 J	ND(0.0050)	0.00021 J
Tetrachloroethene	ND(0.040)	0.00056 J	ND(0.0010)	ND(0.0010)
Toluene	ND(0.040)	ND(0.0010)	ND(0.0010)	0.00046 J
Trichloroethene	ND(0.040)	0.00067 J	ND(0.0010)	ND(0.0010)
Xylenes (total)	ND(0.040)	ND(0.0010)	ND(0.0010)	0.0016
PCBs-Unfiltered				
Aroclor-1254	ND(0.67)	0.0043	0.0039	0.0039
Aroclor-1260	3.0	0.0041	0.0024	0.0063
Total PCBs	3.0	0.0084	0.0063	0.0102
Semivolatile Organics				
1,2,4-Trichlorobenzene	0.0023 J	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	0.0030 J	ND(0.010)	ND(0.010)	ND(0.010)
1,3-Dichlorobenzene	0.0072 J	ND(0.010)	ND(0.010)	0.0035 J
1,4-Dichlorobenzene	0.017	ND(0.010)	ND(0.010)	0.019
2-Chlorophenol	0.037	ND(0.010)	ND(0.010)	ND(0.010)
2-Methylnaphthalene	ND(0.010)	ND(0.010)	ND(0.010)	0.025
Acenaphthene	0.042	ND(0.010)	ND(0.010)	0.11
Acenaphthylene	ND(0.010)	ND(0.010)	ND(0.010)	0.0060 J
Anthracene	0.022	ND(0.010)	ND(0.010)	0.038
Benzo(a)anthracene	0.015	ND(0.010)	ND(0.010)	0.015
Benzo(a)pyrene	0.011	ND(0.010)	ND(0.010)	0.011
Benzo(b)fluoranthene	0.0088 J	ND(0.010)	ND(0.010)	0.0090 J
Benzo(k)fluoranthene	0.0033 J	ND(0.010)	ND(0.010)	0.0033 J
bis(2-Ethylhexyl)phthalate	0.043	0.0023 J	0.0031 J	0.0040 J
Chrysene	0.013	ND(0.010)	ND(0.010)	0.014
Dibenzofuran	0.0056 J	ND(0.010)	ND(0.010)	0.0049 J
Fluoranthene	0.035	ND(0.010)	ND(0.010)	0.031
Fluorene	0.022	ND(0.010)	ND(0.010)	0.049
Indeno(1,2,3-cd)pyrene	0.021	ND(0.010)	ND(0.010)	0.018
Naphthalene	0.0086 J	ND(0.010)	ND(0.010)	0.0063 J
Phenanthrene	0.045	0.0016 J	ND(0.010)	0.12
Pyrene	0.048	ND(0.010)	ND(0.010)	0.046
Inorganics-Unfiltered				
Arsenic	0.0201	0.214	ND(0.0100)	0.0195
Barium	0.524	1.10	0.171	0.723

TABLE 2-3
DATA RECEIVED DURING NOVEMBER 2006

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

Parameter / Sample ID: / Date Collected:	A3091-1 10/13/06	B1492-1 10/13/06	B1493-1 10/13/06	B1494-1 10/13/06
Cadmium	ND(0.0100)	0.00105 B	ND(0.0100)	0.0220
Chromium	0.101	0.226	0.0355	0.125
Lead	0.202	0.454	0.0731	7.34
Mercury	0.00448	0.000718	0.000199 B	0.00119
Selenium	0.0454	0.236	0.0329	0.0329
Silver	0.00501 B	0.00456 B	0.00375 B	0.00749 B

Notes:

1. Samples were collected by BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. for analysis of volatiles, PCBs, semivolatiles and metals.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
3. Only those constituents detected in one or more samples are summarized.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)

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

Inorganics

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

TABLE 2-4
PCB DATA RECEIVED DURING NOVEMBER 2006

SEPARATOR CLEAN-OUT ROLL-OFF WIPE SAMPLING
EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in μg/100cm^2)

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RO-21722-W1	10/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RO-21722-W2	10/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RO-21722-W3	10/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RO-21722-W4	10/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RO-21722-W5	10/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RO-21722-W6	10/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RO-25330-SW	10/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RO-25330-W1	10/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RO-25330-W2	10/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RO-25330-W3	10/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RO-25330-W4	10/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RO-25330-W5	10/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RO-25330-W6	10/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

Notes:
1. Samples were collected by BBL, an ARCADIS company (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.

TABLE 2-5
PCB DATA RECEIVED DURING NOVEMBER 2006

BUILDING 78 DRUM 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
C1484-OIL-1	11/1/2006	ND(0.96)	ND(0.96)	ND(0.96)	ND(0.96)	ND(0.96)	ND(0.96)	ND(0.96)	ND(0.96)

Notes:

1. Sample was collected by BBL, an ARCADIS company (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)
NOVEMBER 2006

a. Activities Undertaken/Completed

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

- Distributed Request for Proposal for asbestos removal activities at Buildings 11, 16, and 16X to potential contractors.

- Collected and tankered approximately 12,000 gallons of water from Building 9 to Building 64G for treatment.

- Conducted drum sampling at Building 78 of water generated from tool and equipment decontamination, as identified in Table 3-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

- Prepare 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.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 3-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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
Building 78 Drum Sampling	F2824	11/1/06	Liquid	SGS	PCB	11/13/06

TABLE 3-2
PCB DATA RECEIVED DURING NOVEMBER 2006

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

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
F2824	11/1/2006	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)

Notes:

1. Sample was collected by BBL, an ARCADIS company (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)
NOVEMBER 2006

a. Activities Undertaken/Completed

Conducted annual determination of any change in ownership of properties with Conditional Solutions, and conducted annual inspection of those properties.*

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)
NOVEMBER 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 performed near Hill 78 OPCA, as identified in Table 5-1.

- Conducted air monitoring for particulates and PCBs, as identified in Table 5-1.

- Continued transfer of leachate from Building 71 OPCA to Building 64G for treatment. The total amount transferred in November 2006 was 47,000 gallons (see Table 5-6).

- Completed performance of maintenance items identified during the September 8, 2006 semi-annual inspection of capped portion of Building 71 OPCA.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

Perform as-built survey of areas consolidated and/or capped in 2006.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 5-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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
Building 78 Drum Sampling	F2575OPCA	11/1/06	Solid	SGS	PCB, TCLP	11/17/06
Ambient Air Particulate Matter Sampling	North of OPCAs	11/1/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/1/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/1/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	11/1/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	West of OPCAs	11/1/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	Background Location	11/2/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	North of OPCAs	11/2/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/2/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/2/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	11/2/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	West of OPCAs	11/2/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	Background Location	11/2/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	North of OPCAs	11/3/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/3/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/3/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	11/3/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	West of OPCAs	11/3/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	Background Location	11/3/06	Air	Berkshire Environmental	Particulate Matter	11/6/06
Ambient Air Particulate Matter Sampling	North of OPCAs	11/6/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/6/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/6/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	11/6/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	West of OPCAs	11/6/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Background Location	11/6/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	North of OPCAs	11/7/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/7/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/7/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	11/7/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	West of OPCAs	11/7/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Background Location	11/7/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	North of OPCAs	11/8/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/8/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/8/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	11/8/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	West of OPCAs	11/8/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Background Location	11/8/06	Air	Berkshire Environmental	Particulate Matter	11/13/06

TABLE 5-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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
Ambient Air Particulate Matter Sampling	North of OPCAs	11/9/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/9/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/9/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	11/9/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	West of OPCAs	11/9/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Background Location	11/9/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	North of OPCAs	11/10/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/10/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/10/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	11/10/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	West of OPCAs	11/10/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
Ambient Air Particulate Matter Sampling	Background Location	11/10/06	Air	Berkshire Environmental	Particulate Matter	11/13/06
PCB Ambient Air Sampling	Field Blank	10/26 - 10/27/06	Air	NEA	PCB	11/6/06
PCB Ambient Air Sampling	Northwest of OPCAs	10/26 - 10/27/06	Air	NEA	PCB	11/6/06
PCB Ambient Air Sampling	West of OPCAs	10/26 - 10/27/06	Air	NEA	PCB	11/6/06
PCB Ambient Air Sampling	West of OPCAs colocated	10/26 - 10/27/06	Air	NEA	PCB	11/6/06
PCB Ambient Air Sampling	North of OPCAs	10/26 - 10/27/06	Air	NEA	PCB	11/6/06
PCB Ambient Air Sampling	Southeast of OPCAs	10/26 - 10/27/06	Air	NEA	PCB	11/6/06
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	10/26 - 10/27/06	Air	NEA	PCB	11/6/06
PCB Ambient Air Sampling	Background East of Building 9B	10/26 - 10/27/06	Air	NEA	PCB	11/6/06
PCB Ambient Air Sampling	Field Blank	11/01 - 11/02/06	Air	NEA	PCB	11/8/06
PCB Ambient Air Sampling	Northwest of OPCAs	11/01 - 11/02/06	Air	NEA	PCB	11/8/06
PCB Ambient Air Sampling	West of OPCAs	11/01 - 11/02/06	Air	NEA	PCB	11/8/06
PCB Ambient Air Sampling	West of OPCAs colocated	11/01 - 11/02/06	Air	NEA	PCB	11/8/06
PCB Ambient Air Sampling	North of OPCAs	11/01 - 11/02/06	Air	NEA	PCB	11/8/06
PCB Ambient Air Sampling	Southeast of OPCAs	11/01 - 11/02/06	Air	NEA	PCB	11/8/06
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	11/01 - 11/02/06	Air	NEA	PCB	11/8/06
PCB Ambient Air Sampling	Background East of Building 9B	11/01 - 11/02/06	Air	NEA	PCB	11/8/06
PCB Ambient Air Sampling	Field Blank	11/09 - 11/10/06	Air	NEA	PCB	11/16/06
PCB Ambient Air Sampling	Northwest of OPCAs	11/09 - 11/10/06	Air	NEA	PCB	11/16/06
PCB Ambient Air Sampling	West of OPCAs	11/09 - 11/10/06	Air	NEA	PCB	11/16/06
PCB Ambient Air Sampling	West of OPCAs colocated	11/09 - 11/10/06	Air	NEA	PCB	11/16/06
PCB Ambient Air Sampling	North of OPCAs	11/09 - 11/10/06	Air	NEA	PCB	11/16/06
PCB Ambient Air Sampling	Southeast of OPCAs	11/09 - 11/10/06	Air	NEA	PCB	11/16/06
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	11/09 - 11/10/06	Air	NEA	PCB	11/16/06
PCB Ambient Air Sampling	Background East of Building 9B	11/09 - 11/10/06	Air	NEA	PCB	11/16/06

TABLE 5-2
PCB DATA RECEIVED DURING NOVEMBER 2006

BUILDING 78 DRUM SAMPLING
HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS
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
F2575 OPCA	11/1/2006	ND(0.34)	0.79	1.3	2.09

Notes:
1. Sample was collected by BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. for analysis of PCBs and TCLP constituents.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
3. Please refer to Table 5-3 for a summary of TCLP constituents.

TABLE 5-3
TCLP DATA RECEIVED DURING NOVEMBER 2006

BUILDING 78 DRUM SAMPLING
HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	F2575 OPCA 11/1/2006
Volatile Organics		
1,1-Dichloroethene	0.7	ND(0.010)
1,2-Dichloroethane	0.5	ND(0.010)
2-Butanone	200	ND(0.25)
Benzene	0.5	ND(0.010)
Carbon Tetrachloride	0.5	ND(0.010)
Chlorobenzene	100	ND(0.010)
Chloroform	6	ND(0.010)
Tetrachloroethene	0.7	ND(0.010)
Trichloroethene	0.5	ND(0.010)
Vinyl Chloride	0.2	ND(0.010)
Semivolatile Organics		
1,4-Dichlorobenzene	7.5	ND(0.010)
2,4,5-Trichlorophenol	400	ND(0.010)
2,4,6-Trichlorophenol	2	ND(0.010)
2,4-Dinitrotoluene	0.13	ND(0.010)
Cresol	200	ND(0.010)
Hexachlorobenzene	0.13	ND(0.010)
Hexachlorobutadiene	0.5	ND(0.010)
Hexachloroethane	3	ND(0.010)
Nitrobenzene	2	ND(0.010)
Pentachlorophenol	100	ND(0.050)
Pyridine	5	ND(0.010)
Inorganics		
Arsenic	5	ND(0.200)
Barium	100	0.605 B
Cadmium	1	0.0124 B
Chromium	5	0.0249 B
Lead	5	0.0595 B
Mercury	0.2	ND(0.000570)
Selenium	1	ND(0.200)
Silver	5	0.0340 B

Notes:

1. Sample was collected by BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. for analysis of PCBs and TCLP constituents.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
3. Please refer to Table 5-2 for a summary of PCBs.

Data Qualifiers:

Inorganics

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

TABLE 5-4
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/m^3)

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	No
02/07/06 - 02/08/06	ND	0.0002 J	ND	----------	ND	0.0003	0.0003	0.0002 J	No
03/07/06 - 03/08/06	ND	ND	ND	----------	ND	0.0006	0.0006	0.0008	No
04/06/06 - 04/07/06	0.0006	----------	0.0004	0.0005	0.0005	0.0009	0.0014	0.0005	No
04/18/06 - 04/19/06	0.0010	----------	0.0011	0.0009	0.0040	0.0019	0.0148	0.0031	No
04/25/06 - 04/26/06	0.0009	----------	0.0010	0.0009	0.0007	0.0013	0.0019	0.0007	No
04/27/06 - 04/28/06	0.0006	----------	0.0006	0.0007	0.0004	0.0009	0.0020	0.0005	No
05/02/06 - 05/03/06[1]	NA	----------	NA	NA	NA	NA	NA	NA	NA
05/04/06 - 05/05/06	0.0019	----------	0.0037	0.0030	0.0017	0.0041	0.0069	0.0026	No
05/09/06 - 05/10/06	0.0003	----------	0.0004	0.0004	ND	0.0005	0.0004	0.0050	No
05/11/06 - 05/12/06	0.0014	----------	0.0024	0.0026	0.0010	0.0005	0.0006	0.0011	No
05/16/06 - 05/17/06	0.0004	----------	0.0007	0.0011	0.0006	0.0009	0.0014	0.0009	No
05/18/06 - 05/19/06	0.0018	----------	0.0015	0.0021	0.0017	0.0015	0.0017	0.0019	No
05/23/06 - 05/24/06	0.0003	----------	ND	0.0004	ND	0.0011	0.0017	0.0005	No
05/25/06 - 05/26/06	0.0032[2]	----------	0.0018	0.0056	0.0041	0.0015	0.0044	0.0010	No
05/31/06 - 06/01/06	0.0069	----------	0.0056	0.0060	0.0069	0.0030	0.0062	0.0024	No
06/01/06 - 06/02/06	0.0031	----------	0.0028	0.0043	0.0034	0.0038	0.0087	0.0030	No
06/06/06 - 06/07/06	0.0006	----------	ND	ND	ND	ND	ND	0.0018	No
06/12/06 - 06/13/06	0.0017	----------	0.0046	0.0037	0.0041	0.0013	0.0388	0.0009	No
06/13/06 - 06/14/06	0.0010	----------	0.0010	0.0007	0.0009	0.0022	0.0061	0.0014	No
06/20/06 - 06/21/06	0.0027	----------	0.0020	0.0030	0.0031	0.0024	0.0047	0.0012	No
06/22/06 - 06/23/06	0.0028	----------	0.0029	0.0027	0.0036	0.0022	0.0032	0.0025	No
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	PDR[3]
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	PDR[3]
07/06/06 - 07/07/06	0.0008 J	----------	0.0003 J	0.0007 J	0.0006 J	0.0005 J	0.0029 J	0.0004 J	PDR[3]
07/11/06 - 07/12/06	0.0024	----------	0.0018	0.0018	0.0016	0.0011	0.0045	0.0017	PDR[3]
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	PDR[3]
07/18/06 - 07/19/06	0.0018 J	----------	0.0026 J	0.0021 J	0.0020 J	0.0033 J	0.0089 J	0.0022 J	PDR[3]
07/20/06 - 07/21/06	0.0033	----------	0.0024	0.0031	0.0010	0.0008	0.0025	0.0021	PDR[3]
07/24/06 - 07/25/06	0.0014	----------	0.0016	0.0016	0.0017	0.0014	0.0045	0.0014	PDR[3]
07/31/06 - 08/01/06	0.0017	----------	0.0016 J	0.0011 J	0.0005 J	0.0015	0.0070	0.0023	PDR[3]
08/03/06 - 08/04/06	0.0010	----------	0.0017	0.0023	0.0013	0.0030	0.0107	0.0026	PDR[3]
08/08/06 - 08/09/06	ND	----------	0.0005	0.0004 J	NA[4]	NA[4]	NA[4]	NA[4]	PDR[3]
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	PDR[3]
08/14/06 - 08/15/06	0.0024	----------	NA[5]	0.0019	0.0017	0.0008	0.0024	0.0016 J	PDR[3]

TABLE 5-4
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/m^3)

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	0.0016 J [6,7]	----------	0.0015 J [6,7]	0.0013 J [6,7]	0.0011 J [6,7]	0.0019 J [6,7]	0.0066 J [6,7]	0.0013 J [6,7]	PDR[3]
08/29/06 - 08/30/06	0.0008[6,7]	----------	0.0013[6,7]	0.0010[6,7]	0.0006[6,7]	0.0009[6,7]	0.0012[6,7]	0.0031[6,7]	PDR[3]
08/31/06 - 09/01/06	0.0009[6,7]	----------	0.0011[6,7]	0.0013[6,7]	0.0004[6]	0.0014[6,7]	0.0058[6,7]	0.0012[6,7]	PDR[3]
09/05/06 - 09/06/06	0.0027[6,7]	----------	0.0025[6,7,8]	0.0019[6,7]	0.0029[6,7]	0.0012[6,7]	0.0037[6,7]	0.0028[6,7]	PDR[3]
09/07/06 - 09/08/06	0.0018[6,7]	----------	0.0020[6,7]	0.0018[6,7]	0.0016[6,7]	0.0021[6,7]	0.0063[6,7]	0.0015[6,7]	PDR[3]
09/12/06 - 09/13/06	0.0015[6,7]	----------	0.0014[6,7]	0.0013[6,7]	0.0009[6,7]	0.0006[6,7]	0.0014[6,7]	0.0016[6,7]	PDR[3]
09/14/06 - 09/15/06	0.0017[6,7]	----------	0.0021[6,7]	0.0020[6,7]	0.0014[6,7]	0.0010[6,7]	0.0018[6,7]	0.0020[6,7]	PDR[3]
09/19/06 - 09/20/06	0.0030[6,7]	----------	0.0027[6,7,8]	0.0024[6,7,8]	0.0058[6,7]	0.0016[6,7]	0.0042[6,7]	0.0025[6,7]	PDR[3]
09/21/06 - 09/22/06	0.0005[6]	----------	0.0007[6,7]	0.0006[6,7]	0.0004[6]	0.0015[6,7]	0.0030[6,7]	0.0008[6,7]	PDR[3]
09/26/06 - 09/27/06	0.0012[6,7]	----------	0.0010[6,7]	0.0011[6,7]	0.0009[6,7]	0.0026[6,7]	0.0061[6,7]	0.0011[6,7]	PDR[3]
09/28/06 - 09/29/06	0.0089 J [6,7]	----------	0.0020 J [6,7,8]	0.0021 J [6,7,8]	0.0018 J [6,7]	0.0010 J [6,7]	0.0021 J [6,7]	0.0015 J [6,7]	PDR[3]
10/03/06 - 10/04/06	0.0029[6,7]	----------	0.0013[6,7]	0.0016[6,7]	0.0014[6,7]	0.0011[6,7]	0.0041[6,7]	0.0012[6,7]	PDR[3]
10/05/06 - 10/06/06	0.0007[6,7]	----------	ND	ND	ND	ND	0.0016[6,7]	0.0003[7]	PDR[3]
10/10/06 - 10/11/06	0.0010[6,7]	----------	0.0011[6,7]	0.0036 FB	0.0058 FB	0.0174 FBEJ	0.0020[6,7]	0.0031 FB	PDR[3]
10/12/06 - 10/13/06	0.0009[6,7]	----------	0.0008[6,7]	0.0008[6,7]	0.0009[6,7]	0.0007[6,7]	0.0012[6,7]	0.0009[6,7]	PDR[3]
10/17/06 - 10/18/06	0.0009[6,7]	----------	0.0009[6,7]	0.0011[6,7]	0.0004[6]	0.0004[6]	0.0007[6,7]	0.0013[6,7]	PDR[3]
10/26/06 - 10/27/06	ND	----------	ND	ND	ND	ND	0.0007[6,7]	ND	PDR[3]
11/01/06 - 11/02/06	0.0004[7]	----------	0.0004[7]	0.0004[7]	ND	0.0004[6]	0.0011[6,7]	0.0003[7]	PDR[3]
11/09/06 - 11/10/06	0.0004[6]	----------	0.0007[6,7]	0.0007[6,7]	0.0004[6]	0.0004[6]	0.0009[6,7]	0.0007[6,7]	PDR[3]
Exceedances of Notification Level (0.05 µg/m^3)	None	None	None	None	None	None	None	None	

(See Notes starting on Page 3)

TABLE 5-4
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/m^3)

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)
FB - Field blank
E - The compound was quantitated above the calibration range.
J - Sample results were qualified as estimated.

[1] No data available due to laboratory error.

[2] Data provided for information purposes only. Sampling period did not meet QA/QC criteria of 24 hours ± 60 minutes due to an interruption in street power.

[3] 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.

[4] 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.

[5] Sample result for the W location from 08/14/06 to 08/15/06 not available due to equipment malfunction.

[6] 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.

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

[8] Laboratory qualification (PG): Aroclor 1260 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1260 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

Qualification Notes:

1. Samples collected from the NW and Background locations from 02/07/06 to 02/08/06 are estimated values detected between the MDL and the PQL.
2. Samples collected from 06/27/06 to 06/28/06 were qualified as estimated due to surrogate recovery and/or laboratory control sample recovery deviations.
3. Samples collected from 06/29/06 to 06/30/06 were qualified as estimated due to surrogate recovery and/or laboratory control sample recovery deviations.
4. Samples collected from 07/06/06 to 07/07/06 were qualified as estimated due to surrogate recovery deviation.
5. All samples collected from 07/11/06 to 07/12/06 were greater than 4°C (PUF temperature was 20.2°C) upon laboratory receipt. The temperature of the temperature blank was recorded as less than 4°C. Following an investigation of the laboratory concerning the temperature receipt of PUF samples exhibiting a temperature greater than 6°C, the laboratory has discovered that the laboratory receipt technician was taking the temperature of the PUF while still wrapped in foil. The foil wrapped around the PUF caused an erroneous temperature reading from the IR thermometer. This was confirmed by 1) the temperature blank exhibiting a temperature less than 4°C and 2) the laboratory receipt technician peeled back the foil of the of PUF samples receipt on 8/1/06 and a temperature reading of less than 5°C was observed; therefore, none of the data were qualified due to the documented PUF temperature deviation.
6. Samples collected from 07/13/06 to 07/14/06 were qualified as estimated due to the laboratory not recording the temperature of the PUF upon receipt and laboratory control sample recovery deviations. The temperature of the temperature blank was recorded as less than 4°C.
7. Samples collected from 07/18/06 to 07/19/06 were qualified as estimated due to the laboratory not recording the temperature of the PUF upon receipt.

TABLE 5-4
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/m^3)

8. All samples collected from 07/20/06 to 07/21/06 were greater than 4°C (PUF temperature was 21.4°C) upon laboratory receipt. The temperature of the temperature blank was recorded as less than 4°C. Following an investigation of the laboratory concerning the temperature receipt of PUF samples exhibiting a temperature greater than 6°C, the laboratory has discovered that the laboratory receipt technician was taking the temperature of the PUF while still wrapped in foil. The foil wrapped around the PUF caused an erroneous temperature reading from the IR thermometer. This was confirmed by 1) the temperature blank exhibiting a temperature less than 4°C and 2) the laboratory receipt technician peeled back the foil of the of PUF samples receipt on 8/1/06 and a temperature reading of less than 5°C was observed; therefore, none of the data were qualified due to the documented PUF temperature deviation.
9. Samples collected from the West, West colocated and North locations from 07/31/06 to 08/01/06 were qualified as estimated due to one surrogate recovery less than the lower control limit and less than 10%.
10. Sample location W from the 08/08/06 to 08/09/06 event was qualified as estimated due to low surrogate recoveries.
11. Samples collected from 08/10/06 to 08/11/06 were qualified as estimated due to low laboratory control sample and laboratory control sample duplicate (LCS/LCSD) recovery less than the lower control limit.
12. Sample collected from the Background location from 08/14/06 to 08/15/06 was qualified as estimated due to the sampling calibration check.
13. Samples collected from 08/21/06 to 08/22/06 were qualified as estimated due to the laboratory not recording the temperature of the PUF upon receipt.
14. Samples collected from 09/28/06 to 09/29/06 were qualified as estimated due to the laboratory control sample duplicate (LCSD) exhibiting a percent recovery greater than the control limit. This results in the percent recoveries of the laboratory control sample (LCS) and LCSD exhibiting a relative percent difference (RPD) greater than the control limit.
15. Samples collected from 10/10/06 to 10/11/06 at the WCo, N, SE and Background locations were qualified as estimated due to suspected laboratory contaminant of Aroclor 1242. The suspect Aroclor 1242 contaminant was attributable to cross contamination of the samples in the extraction preparation lab as noted in the case narrative of SDG #06100069.
16. The Aroclor 1242 sample result associated with sample location SE from the 10/10/06 to 10/11/06 PCB event exceeded the calibration range. Associated Total PCB sample result was qualified as EJ.

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
01/10/06	North of OPCAs	0.016*	0.010*	10:30	WNW
	Pittsfield Generating Co.	0.023		10:30	
	Southeast of OPCAs	0.017		10:30	
	Northwest of OPCAs	0.023*		10:30	
	West of OPCAs	0.016*		10:30	
02/07/06	North of OPCAs	0.006*	0.005*	10:30	WNW
	Pittsfield Generating Co.	NA[2]		NA[2]	
	Southeast of OPCAs	0.046[3]		13:45[4]	
	Northwest of OPCAs	0.012*		10:15	
	West of OPCAs	0.008*		11:00	
04/17/06	North of OPCAs	0.003*	0.004*	9:45	NNW
	Pittsfield Generating Co.	0.005*		10:15	
	Southeast of OPCAs	0.004*		10:00	
	Northwest of OPCAs	0.002*		10:30	
	West of OPCAs	0.003*		10:30	
04/18/06	North of OPCAs	0.003*	0.003*	9:15[5]	NNW
	Pittsfield Generating Co.	0.003*		10:45	
	Southeast of OPCAs	0.020*		10:45	
	Northwest of OPCAs	0.001*		10:30	
	West of OPCAs	0.003*		10:45	
04/19/06	North of OPCAs	0.001*	0.003*	6:15[5]	NNW
	Pittsfield Generating Co.	0.004*		10:45	
	Southeast of OPCAs	0.005*		10:45	
	Northwest of OPCAs	0.001*		11:00	
	West of OPCAs	0.004*		11:00	
04/20/06	North of OPCAs	0.004*	0.005*	11:30	WNW, NNW
	Pittsfield Generating Co.	0.008*		12:00	
	Southeast of OPCAs	0.006*		11:30	
	Northwest of OPCAs	0.003*		11:30	
	West of OPCAs	0.006*		11:30	
04/21/06	North of OPCAs	0.004*	0.007*	10:30	Variable
	Pittsfield Generating Co.	0.010*		10:45	
	Southeast of OPCAs	0.008*		10:30	
	Northwest of OPCAs	0.004*		10:30	
	West of OPCAs	0.006*		10:30	
04/24/06	North of OPCAs	0.006*	0.007*	10:45	Calm
	Pittsfield Generating Co.	0.008*		10:45	
	Southeast of OPCAs	0.011*		10:45	
	Northwest of OPCAs	0.005*		10:45	
	West of OPCAs	0.007*		10:45	
04/25/06	North of OPCAs	0.015*	0.018*	10:45	WNW
	Pittsfield Generating Co.	0.025*		10:30	
	Southeast of OPCAs	0.022*		10:30	
	Northwest of OPCAs	0.013*		10:45	
	West of OPCAs	0.019*		10:45	

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
04/26/06	North of OPCAs	0.003*	0.005*	11:00	SSW
	Pittsfield Generating Co.	0.005*		10:45	
	Southeast of OPCAs	0.004*		10:45	
	Northwest of OPCAs	0.002*		11:00	
	West of OPCAs	0.004*		11:00	
04/27/06	North of OPCAs	0.009*	0.013*	10:30	WNW
	Pittsfield Generating Co.	0.014*		10:30	
	Southeast of OPCAs	0.014*		10:30	
	Northwest of OPCAs	0.007*		10:30	
	West of OPCAs	0.012*		10:45	
04/28/06	North of OPCAs	0.003*	0.005*	10:45	NNW
	Pittsfield Generating Co.	0.006*		10:30	
	Southeast of OPCAs	0.006*		10:45	
	Northwest of OPCAs	0.003*		10:45	
	West of OPCAs	0.005*		10:45	
05/01/06	North of OPCAs	0.006*	0.009*	10:30	ENE
	Pittsfield Generating Co.	0.009*		10:30	
	Southeast of OPCAs	0.010*		10:30	
	Northwest of OPCAs	0.005*		10:30	
	West of OPCAs	0.010*		10:30	
05/02/06	North of OPCAs	0.007*	0.011*	11:00	Variable
	Pittsfield Generating Co.	0.010*		11:00	
	Southeast of OPCAs	0.014*		11:00	
	Northwest of OPCAs	0.005*		11:00	
	West of OPCAs	0.009*		11:00	
05/03/06	North of OPCAs	0.001*	0.002*	10:00	NNW
	Pittsfield Generating Co.	0.002*		10:15	
	Southeast of OPCAs	0.001*		5:30[5]	
	Northwest of OPCAs	0.001*		10:15	
	West of OPCAs	0.002*		10:30	
05/04/06	North of OPCAs	0.003*	0.006*	11:00	WNW
	Pittsfield Generating Co.	0.011*		11:00	
	Southeast of OPCAs	0.004*		11:00	
	Northwest of OPCAs	0.001*		11:30	
	West of OPCAs	0.006*		11:30	
05/05/06	North of OPCAs	0.004*	0.007*	10:30	WNW
	Pittsfield Generating Co.	0.007*		10:30	
	Southeast of OPCAs	0.005*		10:30	
	Northwest of OPCAs	0.005*		10:30	
	West of OPCAs	0.006*		10:30	
05/08/06	North of OPCAs	0.006*	0.010*	10:45	Variable
	Pittsfield Generating Co.	0.010*		10:45	
	Southeast of OPCAs	0.007*		10:45	
	Northwest of OPCAs	0.007*		10:45	
	West of OPCAs	0.009*		10:45	

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
05/09/06	North of OPCAs	0.005*	0.013*	11:45	NNE
	Pittsfield Generating Co.	0.009*		11:45	
	Southeast of OPCAs	0.008*		11:45	
	Northwest of OPCAs	0.005*		11:45	
	West of OPCAs	0.009*		11:45	
05/10/06	North of OPCAs	0.004*	0.008*	10:45	ENE
	Pittsfield Generating Co.	0.009*		10:45	
	Southeast of OPCAs	0.005*		10:45	
	Northwest of OPCAs	0.004*		10:45	
	West of OPCAs	0.009*		10:45	
05/11/06	North of OPCAs	0.002*	0.006*	11:15	Variable
	Pittsfield Generating Co.	0.007*		11:15	
	Southeast of OPCAs	0.004*		11:15	
	Northwest of OPCAs	0.002*		11:15	
	West of OPCAs	0.007*		11:15	
05/12/06	North of OPCAs	0.006*	0.008*	11:45	Variable
	Pittsfield Generating Co.	0.001*		11:45	
	Southeast of OPCAs	0.004*		11:45	
	Northwest of OPCAs	0.010*		12:00	
	West of OPCAs	0.007*		12:00	
05/15/06	North of OPCAs	0.002*	0.002*	10:45	Variable
	Pittsfield Generating Co.	0.003*		9:30[5]	
	Southeast of OPCAs	0.001*		11:15	
	Northwest of OPCAs	0.001*		11:00	
	West of OPCAs	0.002*		11:15	
05/16/06	North of OPCAs	0.007*	0.008*	11:30	W
	Pittsfield Generating Co.	0.008*		11:00	
	Southeast of OPCAs	0.007*		11:00	
	Northwest of OPCAs	0.005*		10:15	
	West of OPCAs	0.005*		11:15	
05/17/06	North of OPCAs	0.016*	0.015*	11:15	SSW
	Pittsfield Generating Co.	0.025*		11:15	
	Southeast of OPCAs	0.014*		11:15	
	Northwest of OPCAs	0.013*		11:15	
	West of OPCAs	0.011*		11:15	
05/18/06	North of OPCAs	0.022*	0.024*	11:00	SSW
	Pittsfield Generating Co.	0.029*		10:45	
	Southeast of OPCAs	0.023*		11:00	
	Northwest of OPCAs	0.021*		11:15	
	West of OPCAs	0.018*		11:30	
05/19/06	North of OPCAs	0.015*	0.022*	10:45	WSW
	Pittsfield Generating Co.	0.019*		10:00	
	Southeast of OPCAs	0.014*		10:45	
	Northwest of OPCAs	0.016*		10:45	
	West of OPCAs	0.014*		10:45	

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
05/22/06	North of OPCAs	0.001*	0.002*	8:15[6]	WNW
	Pittsfield Generating Co.	0.014*		11:15	
	Southeast of OPCAs	0.002*		11:15	
	Northwest of OPCAs	0.001*		11:15	
	West of OPCAs	0.001*		11:15	
05/23/06	North of OPCAs	0.005*	0.008*	11:45	WNW
	Pittsfield Generating Co.	0.005*		11:30	
	Southeast of OPCAs	0.005*		11:45	
	Northwest of OPCAs	0.006*		11:45	
	West of OPCAs	0.002*		12:00	
05/24/06	North of OPCAs	0.004*	0.006*	11:30	WNW
	Pittsfield Generating Co.	0.006*		11:30	
	Southeast of OPCAs	0.004*		11:30	
	Northwest of OPCAs	0.004*		11:30	
	West of OPCAs	0.004*		11:30	
05/25/06	North of OPCAs	0.014*	0.014*	10:15	SSW
	Pittsfield Generating Co.	0.021*		10:00	
	Southeast of OPCAs	0.016*		10:15	
	Northwest of OPCAs	0.015*		10:30	
	West of OPCAs	0.011*		10:45	
05/26/06	North of OPCAs	0.028*	0.030*	10:45	Calm
	Pittsfield Generating Co.	0.035*		11:30	
	Southeast of OPCAs	0.028*		11:30	
	Northwest of OPCAs	0.031*		11:45	
	West of OPCAs	0.027*		11:15	
05/30/06	North of OPCAs	0.023*	0.023*	11:00	Variable
	Pittsfield Generating Co.	0.040*		10:30	
	Southeast of OPCAs	0.024*		9:00[5]	
	Northwest of OPCAs	0.026*		11:00	
	West of OPCAs	0.012*		11:00	
05/31/06	North of OPCAs	0.046*	0.053*	11:15	WSW
	Pittsfield Generating Co.	0.057*		11:00	
	Southeast of OPCAs	0.046*		11:15	
	Northwest of OPCAs	0.049*		11:30	
	West of OPCAs	0.035*		11:30	
06/01/06	North of OPCAs	0.057*	0.072*	11:15	WSW, SSW
	Pittsfield Generating Co.	0.078*		11:15	
	Southeast of OPCAs	0.059*		11:15	
	Northwest of OPCAs	0.058*		11:15	
	West of OPCAs	0.042*		11:30	
06/02/06	North of OPCAs	0.014*	0.019*	10:30	WSW
	Pittsfield Generating Co.	0.020*		10:30	
	Southeast of OPCAs	0.016*		10:30	
	Northwest of OPCAs	0.016*		10:30	
	West of OPCAs	0.013*		10:30	

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
06/06/06	North of OPCAs	0.008*	0.010*	11:30	Calm
	Pittsfield Generating Co.	0.012*		11:30	
	Southeast of OPCAs	0.010*		11:30	
	Northwest of OPCAs	0.008*		11:45	
	West of OPCAs	0.007*		11:45	
06/12/06	North of OPCAs	0.005*	0.005*	10:15	WNW
	Pittsfield Generating Co.	0.014*		10:45	
	Southeast of OPCAs	0.009*		10:30	
	Northwest of OPCAs	0.003*		10:30	
	West of OPCAs	0.003*		11:15	
06/13/06	North of OPCAs	0.009*	0.009*	11:00	WNW
	Pittsfield Generating Co.	0.026*		10:30	
	Southeast of OPCAs	0.011*		11:00	
	Northwest of OPCAs	0.009*		11:00	
	West of OPCAs	0.003*		10:45	
06/14/06	North of OPCAs	0.013*	0.018*	10:45	Calm
	Pittsfield Generating Co.	0.024*		10:45	
	Southeast of OPCAs	0.013*		11:00	
	Northwest of OPCAs	0.014*		11:00	
	West of OPCAs	0.011*		11:00	
06/15/06	North of OPCAs	0.009*	0.010*	10:30	NNW
	Pittsfield Generating Co.	0.014*		10:30	
	Southeast of OPCAs	0.010*		10:30	
	Northwest of OPCAs	0.008*		10:30	
	West of OPCAs	0.011*		10:30	
06/16/06	North of OPCAs	0.015*	0.017*	9:45[5]	WNW
	Pittsfield Generating Co.	0.022*		11:45	
	Southeast of OPCAs	0.017*		11:45	
	Northwest of OPCAs	0.016*		11:45	
	West of OPCAs	0.026*		6:45[5]	
06/19/06[7]	North of OPCAs	0.113*	**0.136***	10:30	WSW, SSW
	Pittsfield Generating Co.	**0.153***		10:45	
	Southeast of OPCAs	0.119*		10:45	
	Northwest of OPCAs	0.119*		10:30	
	West of OPCAs	**0.187***		10:30	
06/20/06	North of OPCAs	0.022*	0.028*	10:30	WSW
	Pittsfield Generating Co.	0.031*		10:30	
	Southeast of OPCAs	0.018*		10:45	
	Northwest of OPCAs	0.020*		10:45	
	West of OPCAs	0.038*		10:45	
06/21/06	North of OPCAs	0.007*	0.007*	10:45	Variable
	Pittsfield Generating Co.	0.012*		10:45	
	Southeast of OPCAs	0.009*		10:45	
	Northwest of OPCAs	0.007*		10:45	
	West of OPCAs	0.013*		10:45	

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
06/22/06	North of OPCAs	0.029*	0.034*	11:30	SSW
	Pittsfield Generating Co.	0.041*		10:45	
	Southeast of OPCAs	0.035*		11:30	
	Northwest of OPCAs	0.030*		11:30	
	West of OPCAs	0.051*		11:30	
06/23/06	North of OPCAs	0.027*	0.037*	10:45	WNW
	Pittsfield Generating Co.	0.046*		10:45	
	Southeast of OPCAs	0.036*		10:45	
	Northwest of OPCAs	0.029*		10:45	
	West of OPCAs	0.057*		10:45	
06/26/06	North of OPCAs	0.012*	0.015*	8:45[8]	SSW
	Pittsfield Generating Co.	0.020*		8:30[8]	
	Southeast of OPCAs	0.021*		8:30[8]	
	Northwest of OPCAs	0.014*		8:45[8]	
	West of OPCAs	0.018*		8:45[8]	
06/27/06	North of OPCAs	0.012*	0.011*	10:45	SSW
	Pittsfield Generating Co.	0.015*		10:30	
	Southeast of OPCAs	0.012*		10:45	
	Northwest of OPCAs	0.013*		10:45	
	West of OPCAs	0.022*		11:00	
06/28/06	North of OPCAs	0.004*	0.008*	11:30	Variable
	Pittsfield Generating Co.	0.007*		10:45	
	Southeast of OPCAs	0.003*		11:30	
	Northwest of OPCAs	0.007*		11:15	
	West of OPCAs	0.011*		11:30	
06/29/06	North of OPCAs	0.055*	0.057*	10:30	SSW
	Pittsfield Generating Co.	0.074*		10:00	
	Southeast of OPCAs	0.047*		11:00	
	Northwest of OPCAs	0.064*		10:30	
	West of OPCAs	0.062*		11:00	
06/30/06	North of OPCAs	0.030*	0.037*	11:00	WNW
	Pittsfield Generating Co.	0.046*		10:30	
	Southeast of OPCAs	0.046*		10:45	
	Northwest of OPCAs	0.039*		11:00	
	West of OPCAs	0.055*		10:45	
07/05/06	North of OPCAs	0.016*	0.021*	11:00	WNW
	Pittsfield Generating Co.	0.024*		11:00	
	Southeast of OPCAs	0.026*		10:45	
	Northwest of OPCAs	0.022*		10:45	
	West of OPCAs	0.032*		11:00	
07/06/06	North of OPCAs	0.002*	0.006*	11:00	WNW
	Pittsfield Generating Co.	0.007*		10:45	
	Southeast of OPCAs	0.021*		11:00	
	Northwest of OPCAs	0.006*		11:00	
	West of OPCAs	0.010*		11:15	

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
07/07/06	North of OPCAs	0.007*	0.008*	10:45	WNW
	Pittsfield Generating Co.	0.012*		10:45	
	Southeast of OPCAs	0.019*		10:45	
	Northwest of OPCAs	0.010*		10:45	
	West of OPCAs	0.017*		10:45	
07/10/06	North of OPCAs	0.030*	0.056*	10:45	Variable
	Pittsfield Generating Co.	0.046*		10:30	
	Southeast of OPCAs	0.044*		10:45	
	Northwest of OPCAs	0.037*		10:30	
	West of OPCAs	0.056*		10:45	
07/11/06	North of OPCAs	0.048[9]	0.070*	11:15	NNW, WNW
	Pittsfield Generating Co.	0.088*		10:15	
	Southeast of OPCAs	0.085*		10:30	
	Northwest of OPCAs	0.071*		10:00	
	West of OPCAs	0.049[9]		11:15	
07/12/06	North of OPCAs	0.026**	0.040*	11:15	Calm
	Pittsfield Generating Co.	0.066*		10:30	
	Southeast of OPCAs	0.063*		10:45	
	Northwest of OPCAs	0.054*		10:30	
	West of OPCAs	0.022**		11:15	
07/13/06	North of OPCAs	0.010**	0.007*	11:15	NNE, W
	Pittsfield Generating Co.	0.004*		11:00	
	Southeast of OPCAs	0.002*		10:30	
	Northwest of OPCAs	0.004*		11:00	
	West of OPCAs	0.013**		11:15	
07/14/06	North of OPCAs	0.011**	0.021*	11:00	WNW
	Pittsfield Generating Co.	0.030*		10:30	
	Southeast of OPCAs	0.028*		10:30	
	Northwest of OPCAs	0.026*		10:30	
	West of OPCAs	0.011**		11:00	
07/17/06	North of OPCAs	0.022**	0.013*	11:15	Variable
	Pittsfield Generating Co.	0.025*		10:30	
	Southeast of OPCAs	0.029*		11:00	
	Northwest of OPCAs	0.021[9]		10:45	
	West of OPCAs	0.018[9]		8:15[10]	
07/18/06	North of OPCAs	0.018**	0.024*	11:15	WNW
	Pittsfield Generating Co.	0.031*		10:15	
	Southeast of OPCAs	0.036*		11:00	
	Northwest of OPCAs	0.018**		11:15	
	West of OPCAs	0.037*		10:45	
07/19/06	North of OPCAs	0.015**	0.013*	11:15	Calm
	Pittsfield Generating Co.	0.017*		10:30	
	Southeast of OPCAs	0.019*		10:30	
	Northwest of OPCAs	0.009**		11:15	
	West of OPCAs	0.019*		10:30	

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
07/20/06	North of OPCAs	0.011**	0.004*	11:15	Calm
	Pittsfield Generating Co.	0.020*		11:15	
	Southeast of OPCAs	0.021*		11:15	
	Northwest of OPCAs	0.012**		11:15	
	West of OPCAs	0.019*		11:15	
07/21/06	North of OPCAs	0.018**	0.056*	11:00	Variable
	Pittsfield Generating Co.	0.052*		11:30	
	Southeast of OPCAs	0.052*		11:15	
	Northwest of OPCAs	0.018**		11:00	
	West of OPCAs	0.050*		11:30	
07/24/06	North of OPCAs	0.009**	0.009*	11:15	Variable
	Pittsfield Generating Co.	0.010*		10:30	
	Southeast of OPCAs	0.010*		10:30	
	Northwest of OPCAs	0.007**		11:15	
	West of OPCAs	0.007*		11:00	
07/25/06	North of OPCAs	0.025**	0.038*	9:45[8]	SSW
	Pittsfield Generating Co.	0.046*		9:15[8]	
	Southeast of OPCAs	0.046*		9:00[8]	
	Northwest of OPCAs	0.024**		9:45[8]	
	West of OPCAs	0.051*		9:15[8]	
07/26/06	North of OPCAs	0.025**	0.045*	11:15	Variable
	Pittsfield Generating Co.	0.063*		10:30	
	Southeast of OPCAs	0.062*		10:30	
	Northwest of OPCAs	0.025**		11:15	
	West of OPCAs	0.064*		10:30	
07/27/06	North of OPCAs	0.037**	0.082*	11:15	SSW
	Pittsfield Generating Co.	0.108*		10:45	
	Southeast of OPCAs	0.101*		10:45	
	Northwest of OPCAs	0.035**		11:15	
	West of OPCAs	0.113*		10:30	
07/28/06	North of OPCAs	0.026**	0.041*	9:00[6]	SSW
	Pittsfield Generating Co.	0.053*		10:30	
	Southeast of OPCAs	0.052*		10:30	
	Northwest of OPCAs	0.022**		11:00	
	West of OPCAs	0.060*		10:30	
07/31/06	North of OPCAs	0.012*	0.015*	10:30	Variable
	Pittsfield Generating Co.	0.020*		10:30	
	Southeast of OPCAs	0.021*		11:30	
	Northwest of OPCAs	0.010**		11:15	
	West of OPCAs	0.013*		10:45	
08/01/06	North of OPCAs	0.050*	0.048*	10:45	WSW
	Pittsfield Generating Co.	0.065*		10:45	
	Southeast of OPCAs	0.064*		10:45	
	Northwest of OPCAs	0.025**		11:15	
	West of OPCAs	0.051*		10:45	

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
08/02/06	North of OPCAs	0.049*	0.049*	10:30	WNW
	Pittsfield Generating Co.	0.068*		10:30	
	Southeast of OPCAs	0.070*		10:30	
	Northwest of OPCAs	0.031**		11:15	
	West of OPCAs	0.040*		10:00	
08/03/06	North of OPCAs	0.035*	0.034*	11:15	WNW
	Pittsfield Generating Co.	0.044*		10:45	
	Southeast of OPCAs	0.045*		11:15	
	Northwest of OPCAs	0.018**		11:15	
	West of OPCAs	0.037*		10:45	
08/04/06	North of OPCAs	0.005*	0.008*	10:15	NNW
	Pittsfield Generating Co.	0.010*		10:15	
	Southeast of OPCAs	0.010*		10:00	
	Northwest of OPCAs	0.006**		10:45	
	West of OPCAs	0.005*		10:00	
08/07/06	North of OPCAs	0.030*	0.024*	11:15	SSW
	Pittsfield Generating Co.	0.044*		11:15	
	Southeast of OPCAs	0.043*		11:15	
	Northwest of OPCAs	0.022**		11:15	
	West of OPCAs	0.022*		11:00	
08/08/06	North of OPCAs	0.007*	0.010*	11:15	NNW
	Pittsfield Generating Co.	0.013*		10:45	
	Southeast of OPCAs	0.014*		11:15	
	Northwest of OPCAs	0.008**		11:15	
	West of OPCAs	0.008*		11:30	
08/09/06	North of OPCAs	0.007*	0.006*	10:30	Calm
	Pittsfield Generating Co.	0.007*		10:15	
	Southeast of OPCAs	0.008*		10:30	
	Northwest of OPCAs	0.007**		11:15	
	West of OPCAs	0.007*		10:30	
08/10/06	North of OPCAs	0.018*	0.012*	11:00	SSW
	Pittsfield Generating Co.	0.015*		10:30	
	Southeast of OPCAs	0.016*		11:15	
	Northwest of OPCAs	0.016**		11:15	
	West of OPCAs	0.014*		10:45	
08/11/06	North of OPCAs	0.004*	0.004*	10:45	NNW
	Pittsfield Generating Co.	0.004*		11:00	
	Southeast of OPCAs	0.004*		11:00	
	Northwest of OPCAs	0.006**		11:15	
	West of OPCAs	0.004*		10:45	
08/14/06	North of OPCAs	0.025**	0.011*	11:00	SSW
	Pittsfield Generating Co.	0.014*		10:30	
	Southeast of OPCAs	0.016*		10:45	
	Northwest of OPCAs	0.018**		11:15	
	West of OPCAs	0.013*		11:00	

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
08/15/06	North of OPCAs	0.013**	0.007*	11:15	WSW
	Pittsfield Generating Co.	0.014*		10:15	
	Southeast of OPCAs	0.013*		11:30	
	Northwest of OPCAs	0.012**		11:15	
	West of OPCAs	0.012*		10:15	
08/16/06	North of OPCAs	0.007**	0.006*	11:15	NNW
	Pittsfield Generating Co.	0.007*		10:45	
	Southeast of OPCAs	0.009*		11:00	
	Northwest of OPCAs	0.007**		11:15	
	West of OPCAs	0.008*		10:45	
08/17/06	North of OPCAs	0.005**	0.005*	11:15	Calm
	Pittsfield Generating Co.	0.006*		11:00	
	Southeast of OPCAs	0.006*		11:00	
	Northwest of OPCAs	0.007**		11:15	
	West of OPCAs	0.005*		11:00	
08/18/06	North of OPCAs	0.011**	0.005*	11:00	SSW
	Pittsfield Generating Co.	0.012*		10:30	
	Southeast of OPCAs	0.014*		11:00	
	Northwest of OPCAs	0.010**		11:15	
	West of OPCAs	0.011*		10:45	
08/21/06	North of OPCAs	0.012**	0.005*	11:15	WNW
	Pittsfield Generating Co.	0.004*		10:30	
	Southeast of OPCAs	0.005*		10:45	
	Northwest of OPCAs	0.003**		11:15	
	West of OPCAs	0.003*		10:15	
08/22/06	North of OPCAs	0.008**	0.006*	11:15	WNW
	Pittsfield Generating Co.	0.006*		10:45	
	Southeast of OPCAs	0.006*		10:45	
	Northwest of OPCAs	0.007**		11:15	
	West of OPCAs	0.006*		10:30	
08/23/06	North of OPCAs	0.009**	0.012*	11:15	WNW
	Pittsfield Generating Co.	0.010*		10:45	
	Southeast of OPCAs	0.011*		10:15	
	Northwest of OPCAs	0.009**		11:15	
	West of OPCAs	0.010*		10:15	
08/24/06	North of OPCAs	0.005**	0.005*	11:15	Calm
	Pittsfield Generating Co.	0.007*		10:45	
	Southeast of OPCAs	0.005*		11:00	
	Northwest of OPCAs	0.004**		11:15	
	West of OPCAs	0.005*		10:45	
08/25/06	North of OPCAs	0.012**	0.031*	10:45	Calm
	Pittsfield Generating Co.	0.012*		10:45	
	Southeast of OPCAs	0.011*		10:45	
	Northwest of OPCAs	0.008**		10:45	
	West of OPCAs	0.011*		10:30	

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
08/28/06	North of OPCAs	0.016**	0.019*	10:30	Calm
	Pittsfield Generating Co.	0.023*		10:30	
	Southeast of OPCAs	0.023*		10:15	
	Northwest of OPCAs	0.010**		10:30	
	West of OPCAs	0.021*		10:30	
08/29/06	North of OPCAs	0.011**	0.019*	10:15	Calm
	Pittsfield Generating Co.	0.015*		10:15	
	Southeast of OPCAs	0.017*		10:15	
	Northwest of OPCAs	0.022**		10:15	
	West of OPCAs	0.018*		10:00	
08/30/06	North of OPCAs	0.007**	0.011*	10:45	NNW
	Pittsfield Generating Co.	0.008*		10:45	
	Southeast of OPCAs	0.010*		10:45	
	Northwest of OPCAs	0.006**		10:45	
	West of OPCAs	0.007*		10:30	
08/31/06	North of OPCAs	0.005**	0.003*	10:15	Variable
	Pittsfield Generating Co.	0.003*		10:15	
	Southeast of OPCAs	0.004*		10:15	
	Northwest of OPCAs	0.004**		10:15	
	West of OPCAs	0.004*		10:00	
09/01/06	North of OPCAs	0.007**	0.008*	11:00	Variable
	Pittsfield Generating Co.	0.004*		11:30	
	Southeast of OPCAs	0.005*		11:30	
	Northwest of OPCAs	0.006**		11:00	
	West of OPCAs	0.005*		11:30	
09/05/06	North of OPCAs	0.012**	0.017*	11:15	WSW
	Pittsfield Generating Co.	0.015*		11:00	
	Southeast of OPCAs	0.016*		11:00	
	Northwest of OPCAs	0.009**		11:15	
	West of OPCAs	0.015*		11:00	
09/06/06	North of OPCAs	0.011**	0.016*	10:30	Variable
	Pittsfield Generating Co.	0.013*		10:15	
	Southeast of OPCAs	0.014*		10:30	
	Northwest of OPCAs	0.009**		10:30	
	West of OPCAs	0.012*		10:15	
09/07/06	North of OPCAs	0.011**	0.018*	11:45	Calm
	Pittsfield Generating Co.	0.014*		11:30	
	Southeast of OPCAs	0.016*		11:30	
	Northwest of OPCAs	0.008**		11:45	
	West of OPCAs	0.016*		11:45	
09/08/06	North of OPCAs	0.017**	0.033*	11:45	WSW
	Pittsfield Generating Co.	0.025*		11:30	
	Southeast of OPCAs	0.026*		11:30	
	Northwest of OPCAs	0.013**		11:30	
	West of OPCAs	0.028*		11:30	

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
09/11/06	North of OPCAs	0.007**	0.004*	11:00	Calm
	Pittsfield Generating Co.	0.003*		11:00	
	Southeast of OPCAs	0.004*		11:00	
	Northwest of OPCAs	0.007**		11:00	
	West of OPCAs	0.003*		10:45	
09/12/06	North of OPCAs	0.004**	0.005*	10:30	Calm
	Pittsfield Generating Co.	0.003*		10:30	
	Southeast of OPCAs	0.006*		10:30	
	Northwest of OPCAs	0.007**		10:30	
	West of OPCAs	0.004*		10:00	
09/13/06	North of OPCAs	0.012**	0.011*	10:45	SSW
	Pittsfield Generating Co.	0.008*		10:30	
	Southeast of OPCAs	0.017*		10:45	
	Northwest of OPCAs	0.013**		10:45	
	West of OPCAs	0.014*		10:30	
09/14/06	North of OPCAs	0.012**	0.011*	10:45	Calm
	Pittsfield Generating Co.	0.009*		10:30	
	Southeast of OPCAs	0.011*		10:15	
	Northwest of OPCAs	0.012**		10:45	
	West of OPCAs	0.009*		10:15	
09/15/06	North of OPCAs	0.008**	0.012*	11:30	Calm
	Pittsfield Generating Co.	0.011*		11:15	
	Southeast of OPCAs	0.011*		11:15	
	Northwest of OPCAs	0.009**		11:30	
	West of OPCAs	0.010*		11:15	
09/18/06	North of OPCAs	0.014**	0.020*	10:45	SSW
	Pittsfield Generating Co.	0.017*		10:45	
	Southeast of OPCAs	0.019*		11:00	
	Northwest of OPCAs	0.010**		10:45	
	West of OPCAs	0.016*		10:45	
09/19/06	North of OPCAs	0.036**	0.081*	11:30	SSW
	Pittsfield Generating Co.	0.065*		11:30	
	Southeast of OPCAs	0.091*		10:15	
	Northwest of OPCAs	0.041**		11:30	
	West of OPCAs	0.065*		11:30	
09/20/06	North of OPCAs	0.011**	0.010*	10:45	WNW
	Pittsfield Generating Co.	0.008*		10:45	
	Southeast of OPCAs	0.011*		10:15	
	Northwest of OPCAs	0.011**		10:45	
	West of OPCAs	0.005*		10:30	
09/21/06	North of OPCAs	0.005**	0.002*	10:30	WNW
	Pittsfield Generating Co.	0.002*		10:15	
	Southeast of OPCAs	0.004*		10:45	
	Northwest of OPCAs	0.005**		10:30	
	West of OPCAs	0.003*		10:15	

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
09/22/06	North of OPCAs	0.011**	0.014*	11:15	SSW
	Pittsfield Generating Co.	0.011*		11:00	
	Southeast of OPCAs	0.017*		10:45	
	Northwest of OPCAs	0.010**		11:15	
	West of OPCAs	0.014*		11:00	
09/25/06	North of OPCAs	0.003**	0.004*	10:15	WNW
	Pittsfield Generating Co.	0.004*		10:00	
	Southeast of OPCAs	0.006*		10:00	
	Northwest of OPCAs	0.005**		10:15	
	West of OPCAs	0.004*		10:15	
09/26/06	North of OPCAs	0.005**	0.005*	11:00	WNW
	Pittsfield Generating Co.	0.005*		10:00	
	Southeast of OPCAs	0.007*		11:15	
	Northwest of OPCAs	0.006**		11:00	
	West of OPCAs	0.006*		10:45	
09/27/06	North of OPCAs	0.011**	0.010*	10:30	SSW
	Pittsfield Generating Co.	0.009*		10:15	
	Southeast of OPCAs	0.015*		10:15	
	Northwest of OPCAs	0.012**		10:30	
	West of OPCAs	0.010*		10:15	
09/28/06	North of OPCAs	0.016**	0.019*	10:45	Variable
	Pittsfield Generating Co.	0.019*		11:00	
	Southeast of OPCAs	0.026*		10:30	
	Northwest of OPCAs	0.016**		10:45	
	West of OPCAs	0.017*		10:30	
09/29/06	North of OPCAs	0.006**	0.005*	10:45	WNW
	Pittsfield Generating Co.	0.003*		10:00	
	Southeast of OPCAs	0.004*		10:45	
	Northwest of OPCAs	0.006**		10:45	
	West of OPCAs	0.003*		10:15	
10/02/06	North of OPCAs	0.009**	0.017*	10:15	WNW
	Pittsfield Generating Co.	0.012*		10:15	
	Southeast of OPCAs	0.034*		10:15	
	Northwest of OPCAs	0.008**		10:15	
	West of OPCAs	0.013*		10:15	
10/03/06	North of OPCAs	0.017**	0.012*	11:15	Calm
	Pittsfield Generating Co.	0.014*		9:45[11]	
	Southeast of OPCAs	0.040*		10:45	
	Northwest of OPCAs	0.011**		11:15	
	West of OPCAs	0.013*		11:00	
10/04/06	North of OPCAs	0.021**	0.026*	10:15	SSW
	Pittsfield Generating Co.	0.031*		10:30	
	Southeast of OPCAs	0.020*		10:15	
	Northwest of OPCAs	0.017**		10:15	
	West of OPCAs	0.025*		10:15	

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
10/05/06	North of OPCAs	0.003**	0.004*	11:30	NNW
	Pittsfield Generating Co.	0.002*		11:30	
	Southeast of OPCAs	0.026*		10:30	
	Northwest of OPCAs	0.002**		11:30	
	West of OPCAs	0.002*		11:15	
10/06/06	North of OPCAs	0.003**	0.005*	11:00	ENE
	Pittsfield Generating Co.	0.003*		10:45	
	Southeast of OPCAs	0.001*		10:45	
	Northwest of OPCAs	0.004**		11:00	
	West of OPCAs	0.004*		10:30	
10/09/06[12]	North of OPCAs	0.012**	0.010*	11:15	WNW
	Pittsfield Generating Co.	0.011*		11:15	
	Southeast of OPCAs	0.013*		11:45	
	Northwest of OPCAs	0.013**		11:15	
	West of OPCAs	0.013*		11:30	
10/10/06[12]	North of OPCAs	0.019**	0.014*	12:15	Calm
	Pittsfield Generating Co.	0.019*		12:00	
	Southeast of OPCAs	0.025*		11:00	
	Northwest of OPCAs	0.017**		12:15	
	West of OPCAs	0.018*		12:00	
10/11/06[12]	North of OPCAs	0.011**	0.006*	12:00	Variable
	Pittsfield Generating Co.	0.010*		12:30	
	Southeast of OPCAs	0.022*		12:15	
	Northwest of OPCAs	0.012**		12:00	
	West of OPCAs	0.010*		12:15	
10/12/06[12]	North of OPCAs	0.007**	0.009*	12:15	Calm
	Pittsfield Generating Co.	0.014**		12:15	
	Southeast of OPCAs	0.017**		12:10	
	Northwest of OPCAs	0.007**		12:15	
	West of OPCAs	0.007**		12:10	
10/13/06[12]	North of OPCAs	0.008**	0.006*	12:15	SSW
	Pittsfield Generating Co.	0.007**		12:15	
	Southeast of OPCAs	0.002*		12:15	
	Northwest of OPCAs	0.010**		12:15	
	West of OPCAs	0.008**		12:15	
10/16/06[12]	North of OPCAs	0.014**	0.010*	12:00	SSW
	Pittsfield Generating Co.	0.013**		12:00	
	Southeast of OPCAs	0.008*		11:00	
	Northwest of OPCAs	0.018**		12:00	
	West of OPCAs	0.012**		12:00	
10/17/06[12]	North of OPCAs	0.018**	0.019*	12:00	Variable
	Pittsfield Generating Co.	0.020**		12:00	
	Southeast of OPCAs	0.015*		11:15	
	Northwest of OPCAs	0.021**		12:00	
	West of OPCAs	0.023**		12:00	

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
10/18/06[12]	North of OPCAs	0.013[9]	0.007*	12:15	WNW, NNW
	Pittsfield Generating Co.	0.006**		12:30	
	Southeast of OPCAs	0.004[9]		12:45	
	Northwest of OPCAs	0.008[9]		12:30	
	West of OPCAs	0.006**		12:30	
10/19/06[12]	North of OPCAs	0.012**	0.015*	12:00	SSW
	Pittsfield Generating Co.	0.010**		12:00	
	Southeast of OPCAs	0.016*		11:45	
	Northwest of OPCAs	0.015**		12:00	
	West of OPCAs	0.012**		12:00	
10/20/06[12]	North of OPCAs	0.007**	0.004*	12:15	WNW
	Pittsfield Generating Co.	0.005**		12:15	
	Southeast of OPCAs	0.003*		10:15[5]	
	Northwest of OPCAs	0.005**		12:15	
	West of OPCAs	0.006**		12:15	
10/23/06[12]	North of OPCAs	0.007**	0.006*	11:15	WNW
	Pittsfield Generating Co.	0.015**		11:15	
	Southeast of OPCAs	0.007*		11:30	
	Northwest of OPCAs	0.007**		11:15	
	West of OPCAs	0.008**		11:15	
10/24/06[12]	North of OPCAs	0.005**	0.002*	11:15	WNW
	Pittsfield Generating Co.	0.014**		11:15	
	Southeast of OPCAs	0.005**		11:15	
	Northwest of OPCAs	0.006**		11:15	
	West of OPCAs	0.003**		11:15	
10/25/06[12]	North of OPCAs	0.003**	0.001*	11:45	WNW
	Pittsfield Generating Co.	0.004**		11:45	
	Southeast of OPCAs	0.004**		11:45	
	Northwest of OPCAs	0.004**		11:45	
	West of OPCAs	0.002**		11:45	
10/26/06[12]	North of OPCAs	0.003**	0.001*	11:45	WNW
	Pittsfield Generating Co.	0.012**		11:45	
	Southeast of OPCAs	0.003**		11:45	
	Northwest of OPCAs	0.002**		11:45	
	West of OPCAs	0.003**		11:45	
10/27/06[12]	North of OPCAs	0.008**	0.005*	11:30	Calm
	Pittsfield Generating Co.	0.010**		11:15	
	Southeast of OPCAs	0.006**		11:30	
	Northwest of OPCAs	0.011**		11:30	
	West of OPCAs	0.006**		11:15	
10/30/06[12]	North of OPCAs	0.008**	0.001*	11:30	WNW
	Pittsfield Generating Co.	0.007**		11:30	
	Southeast of OPCAs	0.025**		11:30	
	Northwest of OPCAs	0.009**		11:30	
	West of OPCAs	0.008**		11:30	

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
10/31/06[12]	North of OPCAs	0.028**	0.011*	11:45	SSW
	Pittsfield Generating Co.	0.016**		11:45	
	Southeast of OPCAs	0.016**		11:45	
	Northwest of OPCAs	0.025**		11:45	
	West of OPCAs	0.015**		11:45	
11/01/06[12]	North of OPCAs	0.017**	0.010*	11:45	WNW
	Pittsfield Generating Co.	0.022**		11:45	
	Southeast of OPCAs	0.013**		11:45	
	Northwest of OPCAs	0.010**		11:45	
	West of OPCAs	0.012**		11:45	
11/02/06[12]	North of OPCAs	0.009**	0.010*	11:45	WNW
	Pittsfield Generating Co.	0.005**		11:45	
	Southeast of OPCAs	0.006**		11:45	
	Northwest of OPCAs	0.009**		11:45	
	West of OPCAs	0.005**		11:45	
11/03/06[12]	North of OPCAs	0.008**	0.008*	11:30	WNW
	Pittsfield Generating Co.	0.010**		11:45	
	Southeast of OPCAs	0.007**		11:45	
	Northwest of OPCAs	0.007**		11:30	
	West of OPCAs	0.007**		11:30	
11/06/06	North of OPCAs	0.016**	0.016*	10:30	Calm
	Pittsfield Generating Co.	0.018**		10:30	
	Southeast of OPCAs	0.010**		10:30	
	Northwest of OPCAs	0.020**		10:30	
	West of OPCAs	0.014**		10:30	
11/07/06	North of OPCAs	0.027**	0.022*	10:45	SSW
	Pittsfield Generating Co.	0.023**		10:45	
	Southeast of OPCAs	0.030**		10:45	
	Northwest of OPCAs	0.025**		10:45	
	West of OPCAs	0.023**		10:45	
11/08/06	North of OPCAs	0.003**	0.007*	10:45	ENE
	Pittsfield Generating Co.	0.006**		10:45	
	Southeast of OPCAs	0.007**		10:45	
	Northwest of OPCAs	0.004**		10:45	
	West of OPCAs	0.005**		10:45	
11/09/06	North of OPCAs	0.006**	0.006*	10:45	WNW
	Pittsfield Generating Co.	0.003**		10:45	
	Southeast of OPCAs	0.003**		10:45	
	Northwest of OPCAs	0.003**		10:45	
	West of OPCAs	0.002**		10:45	

TABLE 5-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2006

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

Sampling Date[1]	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
11/10/06	North of OPCAs	0.003**	0.003*	10:45	WNW
	Pittsfield Generating Co.	0.002**		10:30	
	Southeast of OPCAs	0.004**		10:45	
	Northwest of OPCAs	0.002**		10:45	
	West of OPCAs	0.004**		10:45	
Notification Level		0.120			
Action Level		0.150			

NA - Not Available

Concentrations with no asterisk measured with a pDR-1000.

* Measured with a DR-2000 or DR-4000

** Measured with an EBAM.

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

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

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

[2] Sampling data invalid - interference from cooling tower.

[3] Reading reflects average concentration manually recorded from the monitor at the end of the day.

[4] Estimated logging period.

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

[6] Sampling period was shortened due to a power failure.

[7] The exceedances (bold concentrations) and overall high site values on this day are likely related to regional ambient pollutant and atmospheric conditions as reported by EPA and measured at several other sites in Pittsfield and other parts of New England. The relative difference between the background site concentration and the OPCAs site concentrations indicate that the OPCAs were not the significant contributor to these high values.

[8] Sampling period was shortened due to mid-morning notification of monitors needed.

[9] Represents data from a DR-4000 and an EBAM.

[10] Sampling period was shortened due to relocation of DR and EBAM monitors.

[11] Sampling period was shortened due to site access problem (accident on Merrill Road).

[12] Sampling period was lengthened at all sites due to longer workday schedule.

TABLE 5-6
BUILDING 71 CONSOLIDATION AREA LEACHATE TRANSFER SUMMARY
PLANT AREA - HILL 78 & BUILDING 71 CONSOLIDATION AREAS

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

Month / Year	Total Volume of Leachate Transferred (Gallons)
November 2005	162,500
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

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

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

a. Activities Undertaken/Completed

Conducted drum sampling at Building 78 of oil from Building 78 compressor, as identified in Table 6-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

- Following EPA approval of GE's September 18, 2006 Supplemental Data Letter, conduct the additional soil sampling proposed therein.*

- If required by EPA, prepare plan for additional soil sampling plan along corridors planned for rerouting of stormwater and sanitary sewer lines located beneath Hill 78 OPCA. (This rerouting was proposed by GE in an October 20, 2006 plan.)

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 6-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2006

HILL 78 AREA-REMAINDER
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	F2584-OIL-1	11/1/06	Oil	SGS	PCB	11/13/06

TABLE 6-2
PCB DATA RECEIVED DURING NOVEMBER 2006

BUILDING 78 DRUM SAMPLING
HILL 78 AREA REMAINDER
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
F2584-OIL-1	11/1/2006	ND(0.93)	ND(0.93)	ND(0.93)	ND(0.93)	ND(0.93)	ND(0.93)	ND(0.93)	ND(0.93)

Notes:

1. Sample was collected by BBL, an ARCADIS company (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 7
PLANT AREA
UNKAMET BROOK AREA
(GECD170)
NOVEMBER 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.).*

- Observed sheen on water in swale leading from near Building OP-3 to the Housatonic River, which is a General Dynamics outfall, and notified General Dynamics of this observation. It is GE's understanding that General Dynamics reported the occurrence of this sheen to the National Response Center, EPA, and MDEP.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

- Provided EPA and MDEP a figure showing the surveyed line for top-of-bank of Unkamet Brook south of Merrill Road during the November 2006 Technical Meeting.*

- Submitted a Proposal for Initial Unkamet Brook Flow Monitoring (November 7, 2006).

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

No issues

f. Proposed/Approved Work Plan Modifications

None

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

a. Activities Undertaken/Completed

- Completed restoration activities.*
- Shipped remaining TSCA material to Chemical Waste Management, Inc. (CWM) facility in Model City, NY.
- Performed initial post-remediation inspection (November 29, 2006).

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

- Develop Conditional Solution notification letters to owners of properties where Conditional Solutions have been implemented.
- Submit report on the above-referenced initial post-remediation inspection.

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 NOVEMBER 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
TCLP Sampling	TCLP-I8-23-6-NE	10/19/06	Soil	SGS	TCLP	11/6/06

TABLE 8-2
TCLP DATA RECEIVED DURING NOVEMBER 2006

SOIL SAMPLING
FORMER OXBOW AREAS A & C
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	TCLP-I8-23-6-NE 10/19/2006
Volatile Organics		
1,1-Dichloroethene	0.7	ND(0.010)
1,2-Dichloroethane	0.5	ND(0.010)
2-Butanone	200	ND(0.25)
Benzene	0.5	ND(0.010)
Carbon Tetrachloride	0.5	ND(0.010)
Chlorobenzene	100	ND(0.010)
Chloroform	6	ND(0.010)
Tetrachloroethene	0.7	ND(0.010)
Trichloroethene	0.5	ND(0.010)
Vinyl Chloride	0.2	ND(0.010)
Semivolatile Organics		
1,4-Dichlorobenzene	7.5	ND(0.010)
2,4,5-Trichlorophenol	400	ND(0.010)
2,4,6-Trichlorophenol	2	ND(0.010)
2,4-Dinitrotoluene	0.13	ND(0.010)
Cresol	200	ND(0.010)
Hexachlorobenzene	0.13	ND(0.010)
Hexachlorobutadiene	0.5	ND(0.010)
Hexachloroethane	3	ND(0.010)
Nitrobenzene	2	ND(0.010)
Pentachlorophenol	100	ND(0.050)
Pyridine	5	ND(0.010)
Organochlorine Pesticides		
Endrin	0.02	ND(0.0020)
Gamma-BHC (Lindane)	0.4	ND(0.040)
Heptachlor	0.008	ND(0.0040)
Heptachlor Epoxide	0.008	ND(0.0040)
Methoxychlor	10	ND(0.10)
Technical Chlordane	0.03	ND(0.0030)
Toxaphene	0.5	ND(0.050)
Herbicides		
2,4,5-TP	1	ND(0.10)
2,4-D	10	ND(0.40)
Inorganics		
Arsenic	5	ND(0.200)
Barium	100	0.749 B
Cadmium	1	ND(0.100)
Chromium	5	0.00390 B
Lead	5	0.231
Mercury	0.2	ND(0.000570)
Selenium	1	ND(0.200)
Silver	5	0.0136 B

Notes:

1. Sample was collected by BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. for analysis of TCLP constituents.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

Data Qualifiers:

Inorganics

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

ITEM 9
LYMAN STREET AREA
(GECD430)
NOVEMBER 2006

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

a. Activities Undertaken/Completed

- Conducted restoration activities at properties west of Lyman Street.
- Performed initial post-remediation inspection (November 27, 2006).

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 above-referenced initial post-remediation inspection.
- Complete tree/shrub planting activities at properties west of Lyman Street.
- Develop 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)
NOVEMBER 2006

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

a. Activities Undertaken/Completed

- Conducted annual determination of any change in ownership of properties with Conditional Solutions, and conducted annual inspection of those properties.

- Conducted semi-annual inspection of engineered barriers and restored and re-vegetated areas.

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.

- Submit report on semi-annual inspection of engineered barriers and restored and re-vegetated areas.

- Continue preparation of Final Completion Report.

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)
NOVEMBER 2006

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

a. Activities Undertaken/Completed

- Continued shipment of soil excavated from Parcel J9-23-8 to the selected disposal facility located in Port Arthur, Texas.

- Conducted drum sampling at Building 78 of soil generated from work performed at Newell Street Area II, as identified in Table 11-1, to determine appropriate disposition.

- Conducted inspection of backfilled/restored areas and engineered barrier 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 shipments of soil excavated from Parcel J9-23-8 to the selected disposal facility located in Port Arthur, Texas.

- Submit report on above-referenced inspection of backfilled/restored areas and engineered barrier area.

- Develop 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 11-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2006

NEWELL STREET AREA II
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	A2629-W-25	11/2/06	Soil	SGS	PCB, TCLP	11/20/06
Building 78 Drum Sampling	B0551-W-27	11/2/06	Soil	SGS	PCB, TCLP	11/20/06

TABLE 11-2
PCB DATA RECEIVED DURING NOVEMBER 2006

BUILDING 78 DRUM SAMPLING
NEWELL STREET AREA II
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
A2629-W-25	11/2/2006	ND(0.036)	0.20	ND(0.036)	0.20
B0551-W-27	11/2/2006	ND(0.39)	2.9	ND(0.39)	2.9

Notes:

1. Samples were collected by BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. for analysis of PCBs and TCLP constituents.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
3. Please refer to Table 11-3 for a summary of TCLP constituents.

TABLE 11-3
TCLP DATA RECEIVED DURING NOVEMBER 2006

BUILDING 78 DRUM SAMPLING
NEWELL STREET AREA II
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	A2629-W-25 11/2/2006	B0551-W-27 11/2/2006
Volatile Organics			
1,1-Dichloroethene	0.7	ND(0.010)	ND(0.010)
1,2-Dichloroethane	0.5	ND(0.010)	ND(0.010)
2-Butanone	200	ND(0.25)	ND(0.25)
Benzene	0.5	ND(0.010)	ND(0.010)
Carbon Tetrachloride	0.5	ND(0.010)	ND(0.010)
Chlorobenzene	100	ND(0.010)	ND(0.010)
Chloroform	6	ND(0.010)	ND(0.010)
Tetrachloroethene	0.7	ND(0.010)	ND(0.010)
Trichloroethene	0.5	ND(0.010)	ND(0.010)
Vinyl Chloride	0.2	ND(0.010)	ND(0.010)
Semivolatile Organics			
1,4-Dichlorobenzene	7.5	ND(0.010)	ND(0.010)
2,4,5-Trichlorophenol	400	ND(0.010)	ND(0.010)
2,4,6-Trichlorophenol	2	ND(0.010)	ND(0.010)
2,4-Dinitrotoluene	0.13	ND(0.010)	ND(0.010)
Cresol	200	ND(0.010)	ND(0.010)
Hexachlorobenzene	0.13	ND(0.010)	ND(0.010)
Hexachlorobutadiene	0.5	ND(0.010)	ND(0.010)
Hexachloroethane	3	ND(0.010)	ND(0.010)
Nitrobenzene	2	ND(0.010)	ND(0.010)
Pentachlorophenol	100	ND(0.050)	ND(0.050)
Pyridine	5	ND(0.010)	ND(0.010)
Inorganics			
Arsenic	5	ND(0.200)	ND(0.200)
Barium	100	1.11 B	0.901 B
Cadmium	1	0.0109 B	0.0116 B
Chromium	5	0.0135 B	0.0181 B
Lead	5	0.0176 B	0.0438 B
Mercury	0.2	ND(0.000570)	ND(0.000570)
Selenium	1	ND(0.200)	ND(0.200)
Silver	5	0.0345 B	0.0337 B

Notes:

1. Samples were collected by BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. for analysis of PCBs and TCLP constituents.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
3. Please refer to Table 11-2 for a summary of PCBs.

Data Qualifiers:

Inorganics

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

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

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

a. Activities Undertaken/Completed

- Completed restoration activities.
- Performed initial post-remediation inspection (November 1, 2006).

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Develop Conditional Solution notification letters to owners of properties where Conditional Solutions have been implemented.
- Submit report on the above-referenced post-remediation inspection.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

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

- Prepare and submit report presenting results of seepage meter study and evaluation of total organic carbon (TOC) content in isolation layer.
- Prepare and submit report on inspection of restored bank vegetation.
- Prepare and submit report on inspection of aquatic habitat enhancement structures and armor stone.
- Revise and resubmit report on July 2006 bank erosion inspection.

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)
NOVEMBER 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 nine locations along the Housatonic River between Coltsville, MA and Great Barrington, MA on November 29, 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 seven locations are discussed under Item 15 below.)

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

Continue Housatonic River monthly water column monitoring.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 14-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-4	10/27/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/10/06
Monthly Water Column Sampling	Location-6A	10/26/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/10/06
Monthly Water Column Sampling	Location-6A	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	

TABLE 14-2
SAMPLE DATA RECEIVED DURING NOVEMBER 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	10/27/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.453	1.50	0.00040
LOCATION-6A	Pomeroy Ave. Bridge	10/26/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.506	ND(1.00)	0.00060

Notes:

1. Samples were collected by BBL, an ARCADIS company (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.

ITEM 15
HOUSATONIC RIVER AREA
REST OF THE RIVER
(GECD850)
NOVEMBER 2006

a. Activities Undertaken/Completed

- On GE's behalf, BBL performed a round of water column monitoring at nine locations along the Housatonic River between Coltsville and Great Barrington, MA, on November 29, 2006. Two locations are situated in the 1½ Mile Reach of the Housatonic River and were discussed in Item 14. Of the remaining seven locations, two are located upstream of the 1½ Mile Reach: Hubbard Avenue Bridge (Location 1) and Newell Street Bridge (Location 2). The five remaining locations are situated in the Rest of the River: Holmes Road Bridge (Location 7); New Lenox Road Bridge (Location 9); Woods Pond Headwaters (Location 10); Schweitzer Bridge (Location 12); and Division Street Bridge (Location 13). Sampling activities were performed at these locations on November 29, 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.

- Received from EPA Responsiveness Summary to the Model Validation Peer Review and Final Model Documentation Report, along with cover letter notifying GE of EPA's determination that the peer review process on validation of EPA's model has been completed, thus triggering the time for GE to prepare and submit a Corrective Measures Study (CMS) Proposal.*

b. Sampling/Test Results

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

- Continue Housatonic River monthly water column monitoring.

- Submit letter to EPA and Lead Administrative Trustee (LAT) notifying them of plan and schedule for installation of replacement gate at Rising Pond Dam.*

- Work on development of CMS Proposal.*

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received approval from LAT (November 3, 2006) and EPA (November 15, 2006) for GE's plan for placement of riprap adjacent to Woods Pond Dam.*

TABLE 15-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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	HR-D1 (Location-12)	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	HR-D1 (Location-12)	10/26/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/10/06
Monthly Water Column Sampling	HR-D2 (Location-13)	11/29/06	Water	NEA	Chlorophyll-A	
Monthly Water Column Sampling	Location-1	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-1	10/27/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/10/06
Monthly Water Column Sampling	Location-10	10/26/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/10/06
Monthly Water Column Sampling	Location-10	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-12	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-12	10/26/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/10/06
Monthly Water Column Sampling	Location-13	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-13	10/26/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/10/06
Monthly Water Column Sampling	Location-2	10/27/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/10/06
Monthly Water Column Sampling	Location-2	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-7	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-7	10/26/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/10/06
Monthly Water Column Sampling	Location-9	11/29/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-9	10/26/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/10/06

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

TABLE 15-2
SAMPLE DATA RECEIVED DURING NOVEMBER 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	10/27/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.579	ND(1.00)	0.00040
LOCATION-2	Newell Street Bridge	10/27/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.777	1.60	0.00050
LOCATION-7	Holmes Road Bridge	10/26/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.433	1.80	0.0021
LOCATION-9	New Lenox Road Bridge	10/26/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.0000220 AG	0.0000220	0.557	2.00	0.0022
LOCATION-10	Headwaters of Woods Pond	10/26/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.380	ND(1.00)	0.0018
LOCATION-12	Schweitzer Bridge	10/26/06 10/26/06	ND(0.0000220) [ND(0.0000220)]	0.0000230 PE [ND(0.0000220)]	0.0000270 AF [ND(0.0000220)]	ND(0.0000220) [0.0000250 AG]	0.0000500 [0.0000250]	0.225 [0.310]	ND(1.00) [ND(1.00)]	0.0016 [0.0014]
LOCATION-13	Division Street Bridge	10/26/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.156	1.50	0.0014

Notes:

1. Samples were collected by BBL, an ARCADIS company (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.
PE - Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration.

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

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

a. Activities Undertaken/Completed

- Continued restoration activities at Phase 4 floodplain properties.
- Conducted inspections of backfilled/restored areas at Phase 3 floodplain properties.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Complete restoration activities at Phase 4 floodplain properties.
- Develop and submit RD/RA Work Plan Addendum for certain Phase 2 floodplain properties.
- Submit report on above-referenced inspections of backfilled/restored areas at Phase 3 floodplain properties.

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) NOVEMBER 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)
NOVEMBER 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)
NOVEMBER 2006

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

a. Activities Undertaken/Completed

- Collected soil samples of backfill materials to be used as Pilot Study isolation layer materials for analysis of TOC and/or PCBs, as identified in Table 20-1 (samples with the prefix SL-BF).

- Collected and tankered approximately 400 gallons of water from the Silver Lake Test Cap Study to Building 64G for treatment.

- Collected two samples of soils removed from Pilot Study area for characterization on November 8, 2006, as identified in Table 20-1.

- Collected water column samples from three locations within Silver Lake on 13 occasions (November 1, 2, 3, 4, 7, 10, 13-18, and 21) for analysis of PCBs and TSS, as identified in Table 20-1.

- Reported the presence of a sheen on the surface of Silver Lake to National Response Center, EPA, and MDEP (November 8, 2006).

- Collected in-situ cap material samples on November 9, 2006 for analysis of TOC, as identified in Table 20-1.

- Completed Pilot Study of sediment capping.

- Performed bank soil removal in conjunction with Pilot Study.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted Addendum to Fourth Interim Pre-Design Investigation Report for Soils Adjacent to Silver Lake (November 14, 2006).

ITEM 20
(cont'd)
OTHER AREAS
SILVER LAKE AREA
(GECD600)
NOVEMBER 2006

d. Upcoming Scheduled Activities (next six weeks)

Prepare letter report related to bank soil removal associated with Pilot Study.

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 NOVEMBER 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 Backfill Sampling	SL-BF-103106-1	10/31/06	NA	Soil	NEA	TOC	11/1/06
Silver Lake Backfill Sampling	SL-BF-103106-2	10/31/06	NA	Soil	NEA	TOC	11/1/06
Silver Lake Backfill Sampling	SL-BF-103106-3	10/31/06	NA	Soil	NEA	TOC	11/1/06
Silver Lake Backfill Sampling	SL-BF-103106-4	10/31/06	NA	Soil	NEA	TOC	11/1/06
Silver Lake Backfill Sampling	SL-BF-110306-1	11/3/06	NA	Soil	NEA	TOC	11/6/06
Silver Lake Backfill Sampling	SL-BF-110306-10	11/3/06	NA	Soil	NEA	TOC	11/6/06
Silver Lake Backfill Sampling	SL-BF-110306-11	11/3/06	NA	Soil	NEA	TOC	11/6/06
Silver Lake Backfill Sampling	SL-BF-110306-12	11/3/06	NA	Soil	NEA	TOC	11/6/06
Silver Lake Backfill Sampling	SL-BF-110306-13	11/3/06	NA	Soil	NEA	TOC	11/6/06
Silver Lake Backfill Sampling	SL-BF-110306-14	11/3/06	NA	Soil	NEA	TOC	11/6/06
Silver Lake Backfill Sampling	SL-BF-110306-15	11/3/06	NA	Soil	NEA	TOC	11/6/06
Silver Lake Backfill Sampling	SL-BF-110306-2	11/3/06	NA	Soil	NEA	TOC	11/6/06
Silver Lake Backfill Sampling	SL-BF-110306-3	11/3/06	NA	Soil	NEA	TOC	11/6/06
Silver Lake Backfill Sampling	SL-BF-110306-4	11/3/06	NA	Soil	NEA	TOC	11/6/06
Silver Lake Backfill Sampling	SL-BF-110306-5	11/3/06	NA	Soil	NEA	TOC	11/6/06
Silver Lake Backfill Sampling	SL-BF-110306-6	11/3/06	NA	Soil	NEA	TOC	11/6/06
Silver Lake Backfill Sampling	SL-BF-110306-7	11/3/06	NA	Soil	NEA	TOC	11/6/06
Silver Lake Backfill Sampling	SL-BF-110306-8	11/3/06	NA	Soil	NEA	TOC	11/6/06
Silver Lake Backfill Sampling	SL-BF-110306-9	11/3/06	NA	Soil	NEA	TOC	11/6/06
Silver Lake Backfill Sampling	SL-BF-110906-1	11/9/06	NA	Soil	NEA	PCB	11/15/06
Silver Lake Backfill Sampling	SL-BF-111606-1	11/16/06	NA	Soil	NEA	TOC	11/17/06
Silver Lake Backfill Sampling	SL-BF-111606-2	11/16/06	NA	Soil	NEA	TOC	11/17/06
Silver Lake Backfill Sampling	SL-BF-111606-3	11/16/06	NA	Soil	NEA	TOC	11/17/06
Silver Lake Cap Material Sampling	SL-Cap-B-1.5	11/9/06	0-4	Sediment	NEA	TOC	11/16/06
Silver Lake Cap Material Sampling	SL-Cap-B-2.5	11/9/06	0-5.5	Sediment	NEA	TOC	11/16/06
Silver Lake Cap Material Sampling	SL-Cap-B-3.5	11/9/06	0-7	Sediment	NEA	TOC	11/16/06
Silver Lake Cap Material Sampling	SL-Cap-F-1.5	11/9/06	0-5	Sediment	NEA	TOC	11/16/06
Silver Lake Cap Material Sampling	SL-Cap-F-2.5	11/9/06	0-5	Sediment	NEA	TOC	11/16/06
Silver Lake Cap Material Sampling	SL-Cap-F-3.5	11/9/06	0-4.5	Sediment	NEA	TOC	11/16/06
Silver Lake Pilot Study Bank Soil Sampling	RA4-Bank-1108-1	11/8/06	NA	Soil	NEA	PCB	11/14/06
Silver Lake Pilot Study Bank Soil Sampling	RA4-Bank-1108-1	11/8/06	NA	Soil	SGS	VOC, SVOC	11/14/06
Silver Lake Pilot Study Bank Soil Sampling	RA4-Bank-1108-2	11/8/06	NA	Soil	NEA	PCB	
Silver Lake Pilot Study Bank Soil Sampling	RA4-Bank-1108-2	11/8/06	NA	Soil	SGS	VOC, SVOC	
Silver Lake Water Quality Monitoring	SL-Water-EPA-1	11/14/06	NA	Water	NEA	PCB, TSS	11/16/06

TABLE 20-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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 Water Quality Monitoring	SL-Water-Mon-1	11/10/06	NA	Water	NEA	PCB, TSS	11/16/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-1	11/7/06	NA	Water	NEA	PCB, TSS	11/13/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-1	11/21/06	NA	Water	NEA	PCB, TSS	11/29/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-1	11/17/06	NA	Water	NEA	PCB, TSS	11/22/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-1	11/1/06	NA	Water	NEA	PCB, TSS	11/15/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-1	11/2/06	NA	Water	NEA	PCB, TSS	11/15/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-1	10/25/06	NA	Water	NEA	PCB, TSS	11/1/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-1	11/16/06	NA	Water	NEA	PCB, TSS	11/21/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-1	10/30/06	NA	Water	NEA	PCB, TSS	11/15/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-1	11/4/06	NA	Water	NEA	PCB, TSS	11/10/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-1	11/13/06	NA	Water	NEA	PCB, TSS	11/16/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-1	11/3/06	NA	Water	NEA	PCB, TSS	11/10/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-1	11/15/06	NA	Water	NEA	PCB, TSS	11/21/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-1	11/18/06	NA	Water	NEA	PCB, TSS	11/28/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-2	11/14/06	NA	Water	NEA	PCB, TSS	11/16/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-2	11/7/06	NA	Water	NEA	PCB, TSS	11/13/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-2	11/13/06	NA	Water	NEA	PCB, TSS	11/16/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-2	11/21/06	NA	Water	NEA	PCB, TSS	11/29/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-2	11/18/06	NA	Water	NEA	PCB, TSS	11/28/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-2	10/30/06	NA	Water	NEA	PCB, TSS	11/15/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-2	11/1/06	NA	Water	NEA	PCB, TSS	11/15/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-2	10/25/06	NA	Water	NEA	PCB, TSS	11/1/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-2	11/4/06	NA	Water	NEA	PCB, TSS	11/10/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-2	11/3/06	NA	Water	NEA	PCB, TSS	11/10/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-2	11/2/06	NA	Water	NEA	PCB, TSS	11/15/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-2	11/10/06	NA	Water	NEA	PCB, TSS	11/16/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-2	11/15/06	NA	Water	NEA	PCB, TSS	11/21/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-2	11/17/06	NA	Water	NEA	PCB, TSS	11/22/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-2	11/16/06	NA	Water	NEA	PCB, TSS	11/21/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-3	11/3/06	NA	Water	NEA	PCB, TSS	11/10/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-3	10/30/06	NA	Water	NEA	PCB, TSS	11/15/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-3	11/17/06	NA	Water	NEA	PCB, TSS	11/22/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-3	11/21/06	NA	Water	NEA	PCB, TSS	11/29/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-3	11/18/06	NA	Water	NEA	PCB, TSS	11/28/06

TABLE 20-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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 Water Quality Monitoring	SL-Water-Mon-3	11/1/06	NA	Water	NEA	PCB, TSS	11/15/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-3	11/10/06	NA	Water	NEA	PCB, TSS	11/16/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-3	11/4/06	NA	Water	NEA	PCB, TSS	11/10/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-3	11/7/06	NA	Water	NEA	PCB, TSS	11/13/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-3	11/16/06	NA	Water	NEA	PCB, TSS	11/21/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-3	11/15/06	NA	Water	NEA	PCB, TSS	11/21/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-3	11/14/06	NA	Water	NEA	PCB, TSS	11/16/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-3	11/2/06	NA	Water	NEA	PCB, TSS	11/15/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-3	11/13/06	NA	Water	NEA	PCB, TSS	11/16/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-3	10/25/06	NA	Water	NEA	PCB, TSS	11/1/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-DUP-2 (SL-Water-Mon-2)	11/13/06	NA	Water	NEA	PCB, TSS	11/16/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-Dup-3 (SL-Water-Mon-1)	11/16/06	NA	Water	NEA	PCB, TSS	11/21/06
Silver Lake Water Quality Monitoring	SL-Water-Mon-DUP-4 (SL-Water-Mon-2)	11/21/06	NA	Water	NEA	PCB, TSS	11/29/06

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

TABLE 20-2
TOC DATA RECEIVED DURING NOVEMBER 2006

SILVER LAKE BACKFILL 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-BF-103106-1 10/31/06	SL-BF-103106-2 10/31/06	SL-BF-103106-3 10/31/06	SL-BF-103106-4 10/31/06	SL-BF-110306-1 11/03/06	SL-BF-110306-2 11/03/06
Total Organic Carbon						
TOC - Replicate 1	8400	8100	10000	11000	9500	9900
TOC - Replicate 2	9500	8500	18000	10000	7200	13000
TOC - Replicate 3	13000	8100	9200	11000	7800	10000
TOC - Replicate 4	NA	NA	8400	NA	NA	NA
TOC - Average	10000	8200	11000	11000	8100	11000
TOC - % RSD	25	2.5	38	5.9	15	14

TABLE 20-2
TOC DATA RECEIVED DURING NOVEMBER 2006

SILVER LAKE BACKFILL 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-BF-110306-3 11/03/06	SL-BF-110306-4 11/03/06	SL-BF-110306-5 11/03/06	SL-BF-110306-6 11/03/06	SL-BF-110306-7 11/03/06	SL-BF-110306-8 11/03/06
Total Organic Carbon						
TOC - Replicate 1	8100	11000	11000	8400	11000	10000
TOC - Replicate 2	8700	10000	9700	8700	13000	16000
TOC - Replicate 3	7900	9400	10000	9800	11000	11000
TOC - Replicate 4	NA	NA	NA	NA	NA	NA
TOC - Average	8300	10000	10000	9000	12000	12000
TOC - % RSD	5.0	9.4	8.0	8.4	8.6	23

TABLE 20-2
TOC DATA RECEIVED DURING NOVEMBER 2006

SILVER LAKE BACKFILL 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-BF-110306-9 11/03/06	SL-BF-110306-10 11/03/06	SL-BF-110306-11 11/03/06	SL-BF-110306-12 11/03/06	SL-BF-110306-13 11/03/06
Total Organic Carbon					
TOC - Replicate 1	11000	11000	10000	16000	10000
TOC - Replicate 2	12000	10000	11000	10000	7100
TOC - Replicate 3	9000	11000	10000	9300	12000
TOC - Replicate 4	NA	NA	NA	10000	NA
TOC - Average	11000	11000	10000	11000	9600
TOC - % RSD	13	3.0	1.8	26	24

TABLE 20-2
TOC DATA RECEIVED DURING NOVEMBER 2006

SILVER LAKE BACKFILL 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-BF-110306-14 11/03/06	SL-BF-110306-15 11/03/06	SL-BF-111606-1 11/16/06	SL-BF-111606-2 11/16/06	SL-BF-111606-3 11/16/06
Total Organic Carbon					
TOC - Replicate 1	11000	12000	9300	9900	10000
TOC - Replicate 2	10000	11000	7900	9700	10000
TOC - Replicate 3	11000	10000	10000	11000	12000
TOC - Replicate 4	NA	NA	NA	NA	NA
TOC - Average	11000	11000	9100	10000	11000
TOC - % RSD	4.2	8.1	12	6.6	8.8

Notes:
1. Samples were collected by BBL, an ARCADIS company (BBL), and submitted to Northeast Analytical, Inc. for analysis of total organic carbon (TOC).
2. NA - Not Analyzed - TOC Replicate 4 is only analyzed and reported by laboratory when the % RSD of Replicate 1 thru Replicate 3 is greater than 25%.
3. % RSD - Percent relative standard deviation.

TABLE 20-3
PCB AND TSS SAMPLE DATA RECEIVED DURING NOVEMBER 2006

WATER QUALITY MONITORING
SILVER LAKE AREA
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	TSS
SL-WATER-EPA-1	11/14/2006	ND(0.000066)	0.00017 PB	ND(0.000066)	ND(0.000066)	0.00067 PE	0.00076 AF	0.00055 AG	0.00215	109
SL-WATER-MON-1	10/25/2006	ND(0.000022)	0.00014 PB	ND(0.000022)	ND(0.000022)	0.000081 PE	0.000029 AF	ND(0.000022)	0.00025	22.2
SL-WATER-MON-1	10/30/2006	ND(0.000022)	0.00012 PB	ND(0.000022)	ND(0.000022)	0.000071 PE	0.000025 AF	ND(0.000022)	0.000216	80.6
SL-WATER-MON-1	11/1/2006	ND(0.000022)	0.000098 PB	ND(0.000022)	0.000045 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000143	44.0
SL-WATER-MON-1	11/2/2006	ND(0.000022)	0.00014 PB	ND(0.000022)	0.000055 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000195	47.2
SL-WATER-MON-1	11/3/2006	ND(0.000022)	0.00010 PB	ND(0.000022)	0.000043 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000143	52.2
SL-WATER-MON-1	11/4/2006	ND(0.000022)	0.00011 PB	ND(0.000022)	0.000053 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000163	43.9
SL-WATER-MON-1	11/7/2006	ND(0.000022)	0.000091 PB	ND(0.000022)	0.000037 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000128	29.3
SL-WATER-MON-1	11/10/2006	ND(0.000022)	0.000076 PB	ND(0.000022)	0.000027 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000103	44.3
SL-WATER-MON-1	11/13/2006	ND(0.000022)	0.000087 PB	ND(0.000022)	0.000042 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000129	58.7
SL-WATER-MON-1	11/15/2006	ND(0.000022)	0.000072 PB	ND(0.000022)	0.000026 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000098	70.0
SL-WATER-MON-1	11/16/2006	ND(0.000022)	0.000063 PB	ND(0.000022)	0.000023 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000086	100
	11/16/2006	[ND(0.000022)]	[0.000071 PB]	[ND(0.000022)]	[0.000022 PD]	[ND(0.000022)]	[ND(0.000022)]	[ND(0.000022)]	[0.000093]	[108]
SL-WATER-MON-1	11/17/2006	ND(0.000022)	0.000088 PB	ND(0.000022)	0.000032 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.00012	83.0
SL-WATER-MON-1	11/18/2006	ND(0.000022)	ND(0.000022)	ND(0.000022)	ND(0.000022)	ND(0.000022)	ND(0.000022)	ND(0.000022)	ND(0.000022)	38.9
SL-WATER-MON-1	11/21/2006	ND(0.000022)	0.000063 PB	ND(0.000022)	0.000023 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000086	57.5
SL-WATER-MON-2	10/25/2006	ND(0.000022)	0.00012 PB	ND(0.000022)	ND(0.000022)	0.000068 PE	0.000022 AF	ND(0.000022)	0.00021	23.3
SL-WATER-MON-2	10/30/2006	ND(0.000022)	0.00012 PB	ND(0.000022)	ND(0.000022)	0.000073 PE	0.000030 AF	ND(0.000022)	0.000223	14.0
SL-WATER-MON-2	11/1/2006	ND(0.000022)	0.00014 PB	ND(0.000022)	ND(0.000022)	0.000079 PE	0.000026 AF	ND(0.000022)	0.000245	18.9
SL-WATER-MON-2	11/2/2006	ND(0.000022)	0.00015 PB	ND(0.000022)	ND(0.000022)	0.000075 PE	0.000024 AF	ND(0.000022)	0.000249	42.5
SL-WATER-MON-2	11/3/2006	ND(0.000022)	0.00010 PB	ND(0.000022)	0.000051 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000151	25.2
SL-WATER-MON-2	11/4/2006	ND(0.000022)	0.00012 PB	ND(0.000022)	0.000055 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000175	44.2
SL-WATER-MON-2	11/7/2006	ND(0.000022)	0.000096 PB	ND(0.000022)	0.000032 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000128	26.9
SL-WATER-MON-2	11/10/2006	ND(0.000022)	0.000074 PB	ND(0.000022)	0.000026 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.00010	23.6
SL-WATER-MON-2	11/13/2006	ND(0.000022)	0.000086 PB	ND(0.000022)	0.000032 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000118	36.0
	11/13/2006	[ND(0.000022)]	[0.000078 PB]	[ND(0.000022)]	[0.000031 PD]	[ND(0.000022)]	[ND(0.000022)]	[ND(0.000022)]	[0.000109]	[36.8]
SL-WATER-MON-2	11/14/2006	ND(0.000022)	0.000068 PB	ND(0.000022)	0.000026 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000094	29.4
SL-WATER-MON-2	11/15/2006	ND(0.000022)	0.000082 PB	ND(0.000022)	0.000032 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000114	30.0
SL-WATER-MON-2	11/16/2006	ND(0.000022)	0.000071 PB	ND(0.000022)	0.000025 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000096	57.1
SL-WATER-MON-2	11/17/2006	ND(0.000022)	0.00010 PB	ND(0.000022)	0.000037 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000137	33.1
SL-WATER-MON-2	11/18/2006	ND(0.000022)	0.000088 PB	ND(0.000022)	0.000030 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000118	39.6
SL-WATER-MON-2	11/21/2006	ND(0.000022)	0.000060 PB	ND(0.000022)	0.000026 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000086	58.6
	11/21/2006	[ND(0.000022)]	[0.000058 PB]	[ND(0.000022)]	[0.000025 PD]	[ND(0.000022)]	[ND(0.000022)]	[ND(0.000022)]	[0.000083]	[61.3]
SL-WATER-MON-3	10/25/2006	ND(0.000022)	0.00018 PB	ND(0.000022)	ND(0.000022)	0.00010 PE	0.000034 AF	ND(0.000022)	0.000314	5.00
SL-WATER-MON-3	10/30/2006	ND(0.000022)	0.00017 PB	ND(0.000022)	ND(0.000022)	0.000088 PE	0.000040 AF	ND(0.000022)	0.000298	10.8
SL-WATER-MON-3	11/1/2006	ND(0.000022)	0.00012 PB	ND(0.000022)	0.000049 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000169	7.80
SL-WATER-MON-3	11/2/2006	ND(0.000022)	0.00010 PB	ND(0.000022)	ND(0.000022)	0.000065 PE	0.000035 AF	ND(0.000022)	0.00020	11.4

TABLE 20-3
PCB AND TSS SAMPLE DATA RECEIVED DURING NOVEMBER 2006

WATER QUALITY MONITORING
SILVER LAKE AREA
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	TSS
SL-WATER-MON-3	11/3/2006	ND(0.000022)	0.00011 PB	ND(0.000022)	0.000049 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000159	23.0
SL-WATER-MON-3	11/4/2006	ND(0.000023)	0.000087 PB	ND(0.000023)	0.000045 PD	ND(0.000023)	ND(0.000023)	ND(0.000023)	0.000132	29.7
SL-WATER-MON-3	11/7/2006	ND(0.000022)	0.00010 PB	ND(0.000022)	0.000032 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000132	8.11
SL-WATER-MON-3	11/10/2006	ND(0.000022)	0.000072 PB	ND(0.000022)	0.000027 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000099	16.8
SL-WATER-MON-3	11/13/2006	ND(0.000022)	0.00011 PB	ND(0.000022)	0.000037 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000147	15.0
SL-WATER-MON-3	11/14/2006	ND(0.000022)	0.000076 PB	ND(0.000022)	0.000034 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.00011	16.6
SL-WATER-MON-3	11/15/2006	ND(0.000022)	0.000078 PB	ND(0.000022)	0.000030 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000108	11.0
SL-WATER-MON-3	11/16/2006	ND(0.000022)	0.000082 PB	ND(0.000022)	0.000032 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000114	7.87
SL-WATER-MON-3	11/17/2006	ND(0.000022)	0.000075 PB	ND(0.000022)	0.000026 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000101	17.8
SL-WATER-MON-3	11/18/2006	ND(0.000022)	0.000076 PB	ND(0.000022)	0.000026 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000102	24.4
SL-WATER-MON-3	11/21/2006	ND(0.000022)	0.000065 PB	ND(0.000022)	0.000026 PD	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000091	38.9

Notes:

1. Samples were collected by BBL, an ARCADIS company (BBL), and submitted to Northeast Analytical, Inc. for analysis of PCBs and total suspended solids (TSS).
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
3. 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.
PB - Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration.
PD - Aroclor 1242 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1242 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration.
PE - Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration.

TABLE 20-4
DATA RECEIVED DURING NOVEMBER 2006

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

Parameter / Sample ID: / Date Collected:	RA4-Bank-1108-1 11/08/06
Volatile Organics	
None Detected	--
PCBs	
Aroclor-1221	2.0 PB
Aroclor-1248	11 PE
Aroclor-1254	7.3 AF
Aroclor-1260	2.1 AG
Total PCBs	22.4
Semivolatile Organics	
Anthracene	0.20 J
Benzo(a)anthracene	0.93
Benzo(a)pyrene	1.1
Benzo(b)fluoranthene	1.3
Benzo(g,h,i)perylene	1.0
Benzo(k)fluoranthene	0.40 J
Chrysene	1.2
Dibenzo(a,h)anthracene	0.99
Fluoranthene	1.3
Indeno(1,2,3-cd)pyrene	1.0
Naphthalene	0.50 J
Phenanthrene	0.75 J
Pyrene	1.6

Notes:
1. Sample was collected by BBL, an ARCADIS company (BBL), and submitted to Northeast Analytical, Inc. and SGS Environmental Services, Inc. for analysis of volatiles, PCBs, and semivolatiles.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
3. Only detected constituents are summarized.
4. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)

J - Indicates an estimated value less than the practical quantitation limit (PQL).
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.
PB - Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration.
PE - Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration.

TABLE 20-5
PCB DATA RECEIVED DURING NOVEMBER 2006

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

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
SL-BF-110906-1	11/9/2006	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)

Notes:

1. Sample was collected by BBL, an ARCADIS company (BBL), and submitted to Northeast Analytical, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

TABLE 20-6
TOC DATA RECEIVED DURING NOVEMBER 2006

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

Parameter / Sample ID:	SL-CAP-B-1.5	SL-CAP-B-2.5	SL-CAP-B-3.5	SL-CAP-F-1.5	SL-CAP-F-2.5	SL-CAP-F-3.5
Sample Depth(Inches):	0-4	0-5.5	0-7	0-5	0-5	0-4.5
Date Collected:	11/09/06	11/09/06	11/09/06	11/09/06	11/09/06	11/09/06
Total Organic Carbon						
TOC - Replicate 1	3200	5300	1900	2800	2400	3100
TOC - Replicate 2	4500	7000	2300	1800	4000	10000
TOC - Replicate 3	4000	4400	6800	2500	4000	4100
TOC - Replicate 4	NA	NA	3000	NA	4400	6000
TOC - Average	3900	5600	3500	2400	3700	5800
TOC - % RSD	16	24	64	21	24	54

Notes:
1. Samples were collected by BBL, an ARCADIS company (BBL), and submitted to Northeast Analytical, Inc. for analysis of total organic carbon (TOC).
2. NA - Not Analyzed - TOC Replicate 4 is only analyzed and reported by laboratory when the % RSD of Replicate 1 thru Replicate 3 is greater than 25%.
3. % RSD - Percent relative standard deviation.

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

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

a. Activities Undertaken/Completed

General:

- Conducted routine groundwater elevation and NAPL monitoring activities.
- Conducted semi-annual riverbank seep inspection.
- Removed oil skimmer from well 40R.
- Performed supplemental groundwater sampling for PCBs at wells LSSC-08S and LSSC-18.

East Street Area 1-North and South:

- Continued automated groundwater and NAPL pumping at North Side and South Side Caissons. Approximately 1.1 gallons of LNAPL were recovered from the North Side Caisson in November. Approximately 1.1 gallons of LNAPL were recovered from the South Side Caisson in November.
- Continued routine well monitoring and manual NAPL removal activities. Approximately 0.025 liters (0.007 gallons) of LNAPL were removed from this area during November.

East Street Area 2-South:

- Continued automated groundwater and LNAPL removal activities. A total of approximately 4,730,269 gallons of groundwater was recovered from pumping systems 64R, 64S, 64V, 64X, RW-1(S), RW-1(X), and RW-2(X). In addition, approximately 1,067 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 32 gallons of DNAPL were removed from pumping system RW-3(X) during November.
- Continued routine well monitoring and manual NAPL removal activities. Approximately 5.725 liters (1.511 gallon) of LNAPL were removed from wells in this area during November. Approximately 2.653 liters (0.700 gallons) of DNAPL were removed from wells in this area during November.
- Treated/discharged 4,177,360 gallons of water through 64G Groundwater Treatment Facility.

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

20s, 30s, and 40s Complexes:

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

Lyman Street Area:

- Conducted drum sampling at Building 78 of soil generated from well decommissioning activities, as identified in Table 21-1.

- Continued automated groundwater and NAPL removal activities. A total of approximately 270,731 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 November.

- Continued routine well monitoring and NAPL removal activities. No LNAPL was removed from wells in this area during November. Approximately 2.337 liters (0.617 gallons) of DNAPL were removed from wells in this area during November.

Newell Street Area II:

- Continued automated DNAPL removal activities. A total of approximately 224.1 gallons of DNAPL were removed by System 2 in November.

- Continued routine well monitoring and NAPL removal activities. Approximately 1.561 liters (0.412 gallons) of DNAPL were recovered from this area during November. No LNAPL was recovered from this area during November.

Silver Lake Area:

- Continued routine monitoring of staff gauge in lake.

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

b. Sampling/Test Results Received

- See attached tables.

- Preliminary analytical results from the November 2006 supplemental groundwater sampling for PCBs at wells LSSC-08S and LSSC-18 are shown in Table 21-2. These preliminary results have been compared to the Method 1 GW-3 groundwater standard and groundwater Upper Concentration Limit (UCL) for PCBs set forth in the MCP. (Under this interim monitoring program, samples are analyzed for PCBs only in filtered form.) The groundwater results from these wells did not exceed the UCL for PCBs (0.005 ppm), but the results from both wells exceeded the Method 1 GW-3 standard for PCBs (0.0003 ppm). Similar exceedances of the GW-3 standard were previously observed in filtered samples collected from each of these wells.

c. Work Plans/Reports/Documents Submitted

None

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

- Continue routine groundwater and NAPL monitoring/recovery activities.

- Repair/replace wells that were damaged during Newell Street Area II Removal Action.

- Remove/replace or modify selected wells at the 20s and 30s Complexes per GE's approved May 22, 2006 proposal.

- Submit addendum to evaluation of additional NAPL recovery measures at scrapyard portion of East Street Area 2-South.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received conditional approval of GMA 1 NAPL Monitoring Report for Spring 2006 (November 14, 2006).

TABLE 21-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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	A3079-LS-23	10/31/06	Soil	SGS	PCB, TCLP	11/21/06
Semi-Annual Groundwater Sampling	GMA1-DUP-1 (LSSC-08S)	11/6/06	Water	NEA	PCB (f)	11/17/06
Semi-Annual Groundwater Sampling	GMA1-DUP-1 (LSSC-08S)	11/6/06	Water	SGS	PCB (f)	11/21/06
Semi-Annual Groundwater Sampling	LSSC-08S	11/6/06	Water	NEA	PCB (f)	11/17/06
Semi-Annual Groundwater Sampling	LSSC-08S	11/6/06	Water	SGS	PCB (f)	11/21/06
Semi-Annual Groundwater Sampling	LSSC-18	11/6/06	Water	NEA	PCB (f)	11/17/06
Semi-Annual Groundwater Sampling	LSSC-18	11/6/06	Water	SGS	PCB (f)	11/21/06

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

TABLE 21-2
DATA RECEIVED DURING NOVEMBER 2006

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

Sample ID: / Parameter / Date Collected:	LSSC-08S 11/06/06	LSSC-18 11/06/06
PCBs-Filtered		
Aroclor-1221	0.00033 PB [0.00035 PB] {ND(0.00010) [ND(0.00010)]}	0.000095 PB {ND(0.00011)}
Aroclor-1248	0.0017 PE [0.0020 PE] {0.00032 [0.00066]}	0.00035 PE {ND(0.00011)}
Aroclor-1254	0.00057 AF [0.00069 AF] {ND(0.00010) [ND(0.00010)]}	0.000099 AF {ND(0.00011)}
Total PCBs	0.0026 [0.00304] {0.00032 [0.00066]}	0.000544 {ND(0.00011)}

Notes:

1. Samples were collected by BBL, an ARCADIS company (BBL), and submitted to Northeast Analytical, Inc. and SGS Environmental Services, Inc. for analysis of PCBs (filtered).
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
3. Only those constituents detected in one or more samples are summarized.
4. Field duplicate sample results are presented in brackets.
5. Samples results analyzed by SGS Environmental Services, Inc. are presented in curly brackets {}.

Data Qualifiers:

AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
PB - Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCBs
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

TABLE 21-3
PCB DATA RECEIVED DURING NOVEMBER 2006

BUILDING 78 DRUM SAMPLING
GROUNDWATER MANAGEMENT AREA 1
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
A3079-LS-23	10/31/2006	ND(330)	500	ND(330)	500

Notes:
1. Sample was collected by BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. for analysis of PCBs and TCLP constituents.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
3. Please refer to Table 21-4 for a summary of TCLP constituents.

TABLE 21-4
TCLP DATA RECEIVED DURING NOVEMBER 2006

BUILDING 78 DRUM SAMPLING
GROUNDWATER MANAGEMENT AREA 1
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	A3079-LS-23 10/31/2006
Volatile Organics		
1,1-Dichloroethene	0.7	ND(0.010)
1,2-Dichloroethane	0.5	ND(0.010)
2-Butanone	200	ND(0.25)
Benzene	0.5	ND(0.010)
Carbon Tetrachloride	0.5	ND(0.010)
Chlorobenzene	100	0.0053 J
Chloroform	6	ND(0.010)
Tetrachloroethene	0.7	ND(0.010)
Trichloroethene	0.5	ND(0.010)
Vinyl Chloride	0.2	ND(0.010)
Semivolatile Organics		
1,4-Dichlorobenzene	7.5	0.0053 J
2,4,5-Trichlorophenol	400	ND(0.010)
2,4,6-Trichlorophenol	2	ND(0.010)
2,4-Dinitrotoluene	0.13	ND(0.010)
Cresol	200	0.0035 J
Hexachlorobenzene	0.13	ND(0.010)
Hexachlorobutadiene	0.5	ND(0.010)
Hexachloroethane	3	ND(0.010)
Nitrobenzene	2	ND(0.010)
Pentachlorophenol	100	ND(0.050)
Pyridine	5	ND(0.010)
Inorganics		
Arsenic	5	ND(0.200)
Barium	100	0.944 B
Cadmium	1	0.0318 B
Chromium	5	0.0357 B
Lead	5	0.0294 B
Mercury	0.2	ND(0.000570)
Selenium	1	ND(0.200)
Silver	5	0.0304 B

Notes:

1. Sample was collected by BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. for analysis of PCBs and TCLP constituents.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
3. Please refer to Table 21-3 for a summary of PCBs.

Data Qualifiers:

Organics (volatiles, semivolatiles)

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

Inorganics

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

TABLE 21-5
AUTOMATED LNAPL & GROUNDWATER RECOVERY SYSTEMS MONTHLY SUMMARY
EAST STREET AREA 1 - NORTH & SOUTH
GROUNDWATER MANAGEMENT AREA 1

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

Caisson	Month	Vol. LNAPL Collected (gallon)	Vol. Water Recovered (gallon)	Percent Downtime
Northside	November 2005	4.0	52,000	
	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	
Southside	November 2005	2.0	96,600	
	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	

TABLE 21-6
MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL
EAST STREET AREA 1 - NORTH & SOUTH
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	November 2006 Removal (liters)
34	11/28/2006	5.72	5.70	0.02	0.012	0.012
72	11/28/2006	6.42	6.40	0.02	0.012	0.012

Total Manual LNAPL Removal for November 2006: 0.025 liters
0.007 gallons

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

TABLE 21-7
ROUTINE WELL MONITORING
EAST STREET AREA 1 - NORTH & SOUTH
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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	10/31/2006	18.20	18.19	0.01	---	19.80	0.00	979.65
North Caisson	997.84	11/7/2006	18.50	18.49	0.01	---	19.80	0.00	979.35
North Caisson	997.84	11/14/2006	18.37	18.36	0.01	---	19.80	0.00	979.48
North Caisson	997.84	11/22/2006	18.15	18.14	0.01	---	19.80	0.00	979.70
North Caisson	997.84	11/28/2006	18.16	18.15	0.01	---	19.80	0.00	979.69
GMA 1 - East Street Area 1 - South									
31R	1,000.23	11/28/2006	8.98	---	0.00	---	15.05	0.00	991.25
33	999.50	11/28/2006	5.94	---	0.00	---	21.28	0.00	993.56
34	999.90	11/28/2006	5.72	5.70	0.02	---	21.02	0.00	994.20
72	1000.62	11/28/2006	6.42	6.40	0.02	---	21.96	0.00	994.22
72R	1000.92	11/28/2006	6.30	---	0.00	---	13.30	0.00	994.62
South Caisson	1001.11	10/31/2006	14.63	14.62	0.01	---	15.00	0.00	986.49
South Caisson	1001.11	11/7/2006	14.30	14.29	0.01	---	15.00	0.00	986.82
South Caisson	1001.11	11/14/2006	12.88	12.87	0.01	---	15.00	0.00	988.24
South Caisson	1001.11	11/22/2006	14.39	14.38	0.01	---	15.00	0.00	986.73
South Caisson	1001.11	11/28/2006	14.50	14.48	0.02	---	15.00	0.00	986.63

Notes:

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

TABLE 21-8
AUTOMATED LNAPL/DNAPL & GROUNDWATER RECOVERY SYSTEMS
EAST STREET AREA 2 - SOUTH
GROUNDWATER MANAGEMENT AREA 1

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

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
GMA1-17W	October 2006	21		
	November 2006	24		
40R	November 2005	0		
	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		
64R	November 2005	125	988,100	
	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	13	211,062	
64S System	November 2005	324	1,014,521	
	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 - Maintenance
64V [1]	November 2005	515	1,304,100	
	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	

TABLE 21-8
AUTOMATED LNAPL/DNAPL & GROUNDWATER RECOVERY SYSTEMS
EAST STREET AREA 2 - SOUTH
GROUNDWATER MANAGEMENT AREA 1

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

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
64X	November 2005	0	489,600	
	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	403,200	0.89
	October 2006	68	403,200	0.15
	November 2006	14	489,600	
RW-2(X)	November 2005	0	573,600	
	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	0	742,383	
RW-1(S) [2]	November 2005	42	1,103,548	
	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 - Maintenance
RW-1(X)	November 2005	0	390,700	
	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	374,761	0.89
	October 2006	0	397,949	0.15
	November 2006	2	545,763	

TABLE 21-8
AUTOMATED LNAPL/DNAPL & GROUNDWATER RECOVERY SYSTEMS
EAST STREET AREA 2 - SOUTH
GROUNDWATER MANAGEMENT AREA 1

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

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
RW-3(X)	November 2005	51		5.88
	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 - Maintenance

Summary of Total Automated Removal		
Water:	**4,730,269**	**Gallons**
LNAPL:	**1,067**	**Gallons**
DNAPL:	**32**	**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 21-9
WELL MONITORING AND RECOVERY OF LNAPL
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	November 2006 Removal (liters)
13	11/13/2006	16.90	16.82	0.08	0.049	0.049
14	11/13/2006	17.05	16.92	0.13	0.080	0.080
25R	11/13/2006	21.84	20.30	1.54	0.950	0.950
48	11/13/2006	16.20	15.02	1.18	0.728	0.728
55	11/13/2006	16.20	15.50	0.70	0.432	0.432
95-04R	11/13/2006	14.18	13.21	0.97	0.598	0.598
95-07R	11/13/2006	18.30	18.28	0.02	0.012	0.012
GMA1-15	11/8/2006	15.31	15.05	0.26	0.160	1.499
	11/13/2006	15.15	14.35	0.80	0.494	
	11/21/2006	15.00	14.33	0.67	0.413	
	11/29/2006	15.55	14.85	0.70	0.432	
GMA1-16	11/8/2006	13.05	12.95	0.10	0.062	0.185
	11/13/2006	12.45	12.42	0.03	0.019	
	11/21/2006	10.60	10.50	0.10	0.062	
	11/29/2006	12.72	12.65	0.07	0.043	
GMA1-19	11/8/2006	11.41	10.81	0.60	0.370	1.191
	11/13/2006	10.22	10.18	0.04	0.025	
	11/21/2006	10.75	10.15	0.60	0.370	
	11/29/2006	11.35	10.66	0.69	0.426	

Total LNAPL Removal East Street Area 2 - South for November 2006: 5.725 liters
1.511 gallons

Total LNAPL Removal for November 2006: 5.725 liters
1.511 gallons

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

TABLE 21-10
WELL MONITORING AND RECOVERY OF DNAPL
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	November 2006 Removal (liters)
E2SC-03I	11/15/2006	8.40	38.10	4.30	2.653	2.653

Total DNAPL Removal East Street Area 2 - South for November 2006: 2.653 liters
0.700 gallons

Total DNAPL Removal for November 2006: 2.653 liters
0.700 gallons

Note:
1. ft BMP - feet Below Measuring Point

TABLE 21-11
64G TREATMENT PLANT DISCHARGE DATA
GROUNDWATER MANAGEMENT AREA 1

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

Date	Housatonic River Discharge (gallons)	Recharge Pond Discharge (gallons)	Total Discharge (gallons)
November 2005	5,221,180	163,951	5,385,131
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

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 21-12
ROUTINE WELL MONITORING
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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	11/13/2006	16.90	16.82	0.08	---	22.60	0.00	974.05
14	991.61	11/13/2006	17.05	16.92	0.13	---	25.60	0.00	974.68
19	983.59	11/8/2006	10.10	---	0.00	---	18.03	0.00	973.49
19	983.59	11/14/2006	9.95	---	0.00	---	18.09	0.00	973.64
19	983.59	11/21/2006	11.15	---	0.00	---	18.05	0.00	972.44
19	983.59	11/29/2006	10.70	---	0.00	---	18.05	0.00	972.89
25R	998.31	11/13/2006	21.84	20.30	1.54	---	30.75	0.00	977.90
26RR	1,000.58	11/13/2006	22.13	22.04	0.09	---	28.48	0.00	978.53
48	992.39	11/13/2006	16.20	15.02	1.18	---	22.64	0.00	977.29
49R	988.71	11/14/2006	14.50	---	0.00	---	24.88	0.00	974.21
49RR	989.80	11/14/2006	15.68	---	0.00	---	23.03	0.00	974.12
55	989.45	11/13/2006	16.20	15.50	0.70	---	30.04	0.00	973.90
64R	993.37	10/31/2006	16.60	16.59	0.01	---	20.50	0.00	976.78
64R	993.37	11/7/2006	15.60	P	< 0.01	---	20.50	0.00	977.77
64R	993.37	11/14/2006	16.71	16.70	0.01	---	20.50	0.00	976.67
64R	993.37	11/22/2006	16.63	16.62	0.01	---	20.50	0.00	976.75
64R	993.37	11/28/2006	16.50	16.49	0.01	---	20.50	0.00	976.88
64S	984.48	10/31/2006	19.20	P	< 0.01	---	28.70	0.00	965.28
64S	984.48	11/7/2006	19.20	P	< 0.01	---	28.70	0.00	965.28
64S	984.48	11/14/2006	19.20	P	< 0.01	---	28.70	0.00	965.28
64S	984.48	11/22/2006	19.25	P	< 0.01	---	28.70	0.00	965.23
64S	984.48	11/28/2006	19.20	19.18	0.02	---	28.70	0.00	965.30
64S-Caisson	NA	10/31/2006	10.44	10.42	0.02	---	14.55	0.00	NA
64S-Caisson	NA	11/7/2006	11.42	11.40	0.02	---	14.55	0.00	NA
64S-Caisson	NA	11/14/2006	9.50	9.49	0.01	---	14.55	0.00	NA
64S-Caisson	NA	11/22/2006	9.66	9.63	0.03	---	14.55	0.00	NA
64S-Caisson	NA	11/28/2006	10.05	10.04	0.01	---	14.55	0.00	NA
64V	987.29	10/31/2006	22.20	21.70	0.50	P	29.60	< 0.01	965.56
64V	987.29	11/7/2006	21.70	21.50	0.20	P	29.60	< 0.01	965.78
64V	987.29	11/14/2006	21.90	21.70	0.20	---	29.60	0.00	965.58
64V	987.29	11/22/2006	22.10	21.80	0.30	P	29.60	< 0.01	965.47
64V	987.29	11/28/2006	21.90	21.60	0.30	---	29.60	0.00	965.67
64X(N)	984.83	10/31/2006	11.60	11.59	0.01	---	15.85	0.00	973.24
64X(N)	984.83	11/7/2006	11.99	11.97	0.02	---	15.85	0.00	972.86
64X(N)	984.83	11/14/2006	10.97	10.96	0.01	---	15.85	0.00	973.87
64X(N)	984.83	11/22/2006	11.25	11.24	0.01	---	15.85	0.00	973.59
64X(N)	984.83	11/28/2006	11.69	11.68	0.01	---	15.85	0.00	973.15
64X(S)	981.56	10/31/2006	14.50	14.47	0.03	---	23.82	0.00	967.09
64X(S)	981.56	11/7/2006	14.90	14.83	0.07	---	23.82	0.00	966.73
64X(S)	981.56	11/14/2006	13.80	13.77	0.03	---	23.82	0.00	967.79
64X(S)	981.56	11/22/2006	13.20	13.18	0.02	---	23.82	0.00	968.38
64X(S)	981.56	11/28/2006	14.60	14.57	0.03	---	23.82	0.00	966.99
64X(W)	984.87	10/31/2006	17.60	17.59	0.01	---	24.35	0.00	967.28
64X(W)	984.87	11/7/2006	17.99	17.98	0.01	---	24.35	0.00	966.89
64X(W)	984.87	11/14/2006	16.98	16.96	0.02	---	24.35	0.00	967.91
64X(W)	984.87	11/22/2006	17.40	17.38	0.02	---	24.35	0.00	967.49
64X(W)	984.87	11/28/2006	17.81	17.80	0.01	---	24.35	0.00	967.07
95-01	983.77	11/14/2006	9.52	---	0.00	---	17.22	0.00	974.25
95-04R	988.70	11/13/2006	14.18	13.21	0.97	---	21.98	0.00	975.42
95-07R	994.91	11/13/2006	18.30	18.28	0.02	---	26.05	0.00	976.63
3-6C-EB-22	986.94	11/14/2006	12.87	---	0.00	---	20.01	0.00	974.07
E2SC-03I	982.12	11/15/2006	8.40	---	0.00	38.10	42.40	4.30	973.72

TABLE 21-12
ROUTINE WELL MONITORING
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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)
E2SC-17	985.38	11/15/2006	10.75	---	0.00	---	45.75	0.00	974.63
E2SC-23	992.07	11/14/2006	17.05	---	0.00	---	21.15	0.00	975.02
E2SC-24	987.90	11/14/2006	14.20	---	0.00	---	21.61	0.00	973.70
ES2-06	986.00	11/14/2006	11.94	---	0.00	---	34.55	0.00	974.06
GMA1-14	997.43	11/13/2006	18.65	18.64	0.01	---	23.25	0.00	978.79
GMA1-15	988.59	11/8/2006	15.31	15.05	0.26	---	17.84	0.00	973.52
GMA1-15	988.59	11/13/2006	15.15	14.35	0.80	---	17.84	0.00	974.18
GMA1-15	988.59	11/21/2006	15.00	14.33	0.67	---	17.84	0.00	974.21
GMA1-15	988.59	11/29/2006	15.55	14.85	0.70	---	17.84	0.00	973.69
GMA1-16	986.82	11/8/2006	13.05	12.95	0.10	---	20.01	0.00	973.86
GMA1-16	986.82	11/13/2006	12.45	12.42	0.03	---	20.01	0.00	974.40
GMA1-16	986.82	11/21/2006	10.60	10.50	0.10	---	20.00	0.00	976.31
GMA1-16	986.82	11/29/2006	12.72	12.65	0.07	---	20.01	0.00	974.17
GMA1-17E	993.03	11/13/2006	15.26	15.25	0.01	---	17.30	0.00	977.78
GMA1-17W	992.63	10/31/2006	Well now hooked up to Recovery System			---	NM	0.00	NA
GMA1-17W	992.63	11/7/2006				---	NM	0.00	NA
GMA1-17W	992.63	11/14/2006				---	NM	0.00	NA
GMA1-17W	992.63	11/22/2006				---	NM	0.00	NA
GMA1-17W	992.63	11/28/2006				---	NM	0.00	NA
GMA1-19	984.28	11/8/2006	11.41	10.81	0.60	---	17.13	0.00	973.43
GMA1-19	984.28	11/13/2006	10.22	10.18	0.04	---	17.14	0.00	974.10
GMA1-19	984.28	11/21/2006	10.75	10.15	0.60	---	17.14	0.00	974.09
GMA1-19	984.28	11/29/2006	11.35	10.66	0.69	---	17.13	0.00	973.57
GMA1-20	983.49	11/8/2006	10.30	---	0.00	---	17.30	0.00	973.19
GMA1-20	983.49	11/14/2006	9.70	---	0.00	---	17.30	0.00	973.79
GMA1-20	983.49	11/21/2006	Buried under Dirt Pile		---	---	--	0.00	NA
GMA1-20	983.49	11/29/2006	10.20	---	0.00	---	17.30	0.00	973.29
GMA1-21	985.68	11/8/2006	12.50	---	0.00	---	19.47	0.00	973.18
GMA1-21	985.68	11/14/2006	11.72	---	0.00	---	19.43	0.00	973.96
GMA1-21	985.68	11/21/2006	11.80	---	0.00	---	19.46	0.00	973.88
GMA1-21	985.68	11/29/2006	12.40	---	0.00	---	19.46	0.00	973.28
GMA1-22	988.45	11/8/2006	14.80	---	0.00	---	19.25	0.00	973.65
GMA1-22	988.45	11/14/2006	14.05	---	0.00	---	19.25	0.00	974.40
GMA1-22	988.45	11/21/2006	14.08	---	0.00	---	19.23	0.00	974.37
GMA1-22	988.45	11/29/2006	14.60	---	0.00	---	19.24	0.00	973.85
GMA1-23	986.16	11/8/2006	12.60	---	0.00	---	17.30	0.00	973.56
GMA1-23	986.16	11/14/2006	11.95	---	0.00	---	17.30	0.00	974.21
GMA1-23	986.16	11/21/2006	11.85	---	0.00	---	17.30	0.00	974.31
GMA1-23	986.16	11/29/2006	12.40	---	0.00	---	17.31	0.00	973.76
GMA1-24	983.81	11/8/2006	10.70	---	0.00	---	16.10	0.00	973.11
GMA1-24	983.81	11/14/2006	9.90	---	0.00	---	16.10	0.00	973.91
GMA1-24	983.81	11/21/2006	10.05	---	0.00	---	16.10	0.00	973.76
GMA1-24	983.81	11/29/2006	10.65	---	0.00	---	16.10	0.00	973.16
HR-G2-MW-1	982.60	11/14/2006	9.42	---	0.00	---	18.24	0.00	973.18
HR-G2-MW-2	981.39	11/14/2006	7.20	---	0.00	---	17.67	0.00	974.19
HR-G2-MW-3	987.14	11/14/2006	13.40	---	0.00	---	22.00	0.00	973.74
HR-G2-RW-1	976.88	11/14/2006	4.50	---	0.00	---	18.72	0.00	973.52
RW-1(S)	987.23	10/31/2006	19.10	19.07	0.03	---	28.60	0.00	968.16
RW-1(S)	987.23	11/7/2006	19.20	19.10	0.10	---	28.60	0.00	968.12
RW-1(S)	987.23	11/14/2006	19.50	19.30	0.20	---	28.60	0.00	967.92
RW-1(S)	987.23	11/22/2006	19.04	19.00	0.04	---	28.60	0.00	968.23
RW-1(S)	987.23	11/28/2006	19.20	19.17	0.03	---	28.60	0.00	968.06
RW-1(X)	982.68	10/31/2006	13.50	13.46	0.04	---	20.80	0.00	969.22

TABLE 21-12
ROUTINE WELL MONITORING
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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)
RW-1(X)	982.68	11/7/2006	14.10	13.80	0.30	---	20.80	0.00	968.86
RW-1(X)	982.68	11/14/2006	13.25	13.23	0.02	---	20.80	0.00	969.45
RW-1(X)	982.68	11/22/2006	13.66	13.64	0.02	---	20.80	0.00	969.04
RW-1(X)	982.68	11/28/2006	13.70	13.60	0.10	---	20.80	0.00	969.07
RW-2(X)	985.96	10/31/2006	13.00	---	0.00	---	15.30	0.00	972.96
RW-2(X)	985.96	11/7/2006	13.45	---	0.00	---	15.30	0.00	972.51
RW-2(X)	985.96	11/14/2006	12.20	---	0.00	---	15.30	0.00	973.76
RW-2(X)	985.96	11/22/2006	12.57	---	0.00	---	15.30	0.00	973.39
RW-2(X)	985.96	11/28/2006	12.91	---	0.00	---	15.30	0.00	973.05
RW-3(X)	980.28	10/31/2006	8.25	---	0.00	41.90	44.40	2.50	972.03
RW-3(X)	980.28	11/7/2006	8.60	---	0.00	41.01	44.40	3.39	971.68
RW-3(X)	980.28	11/14/2006	8.25	---	0.00	42.90	44.40	1.50	972.03
RW-3(X)	980.28	11/22/2006	8.10	---	0.00	42.70	44.40	1.70	972.18
RW-3(X)	980.28	11/28/2006	8.30	---	0.00	42.90	44.40	1.50	971.98
Housatonic River									
SG-HR-1	990.73	11/8/2006	18.75	See Note 7 regarding depth to water					971.98
SG-HR-1	990.73	11/15/2006	18.09	See Note 7 regarding depth to water					972.64
SG-HR-1	990.73	11/21/2006	18.45	See Note 7 regarding depth to water					972.28
SG-HR-1	990.73	11/28/2006	19.05	See Note 7 regarding depth to water					971.68

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. NM indicates information not measured.
5. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
6. Well HR-G2-RW-1 is constructed at an angle of 41.67 degrees from vertical. Depth to water data reflect measurements collected along the angled well casing. Groundwater elevations are corrected to account for the angle of the well casing.
7. A survey reference point (SG-HR-1) was established on the Newell Street Bridge. The "Depth to Water" value(s) provided in the above table refer to the vertical distance from the surveyed reference point to the water surface.

TABLE 21-13
ACTIVE RECOVERY SYSTEMS MONTHLY SUMMARY
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

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

Month / Year	Volume Water Pumped (gallon)	RW-1 DNAPL Recovered (gallon)	RW-1R LNAPL Recovered (gallon)	RW-3 LNAPL Recovered (gallon)
November 2004	421,409	--	--	12
December 2004	539,528	--	--	10
January 2005	443,634	--	--	10
February 2005	409,113	--	--	5
March 2005	455,192	--	--	5
April 2005	425,145	--	--	5
May 2005	357,497	--	--	--
June 2005	422,006	--	--	10
July 2005	310,647	--	5	10
August 2005	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	--	3	--

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, and 2 hours for RW-2 during November 2006.

TABLE 21-14
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	November 2006 Removal (liters)
LS-30	11/20/2006	13.40	19.70	2.50	1.54	1.54
LS-31	11/20/2006	13.05	22.30	1.02	0.012	0.01
LSSC-07	11/8/2006	10.71	24.70	0.38	0.234	0.746
	11/15/2006	9.90	24.76	0.32	0.197	
	11/20/2006	10.00	24.85	0.23	0.142	
	11/28/2006	10.74	24.80	0.28	0.173	
LSSC-08I	11/20/2006	11.45	23.31	0.04	0.025	0.025
LSSC-16I	11/20/2006	8.32	28.50	0.02	0.012	0.012

Total Manual DNAPL Removal for November 2006: 2.337 liters
0.617 gallons

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

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

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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	11/20/2006	11.34	---	0.00	---	22.65	0.00	971.70
LS-24	986.58	11/20/2006	13.00	---	0.00	---	15.14	0.00	973.58
LS-30	986.440	11/20/2006	13.40	---	0.00	19.70	22.20	2.50	973.04
LS-31	987.090	11/20/2006	13.05	---	0.00	22.30	23.32	1.02	974.04
LS-38	986.95	11/20/2006	14.78	---	0.00	---	25.04	0.00	972.17
LS-44	980.78	11/20/2006	8.90	---	0.00	---	24.75	0.00	971.88
LSSC-07	982.48	11/8/2006	10.71	---	0.00	24.70	25.08	0.38	971.77
LSSC-07	982.48	11/15/2006	9.90	---	0.00	24.76	25.08	0.32	972.58
LSSC-07	982.48	11/20/2006	10.00	---	0.00	24.85	25.08	0.23	972.48
LSSC-07	982.48	11/28/2006	10.74	---	0.00	24.80	25.08	0.28	971.74
LSSC-08I	983.13	11/8/2006	12.16	---	0.00	---	23.38	0.00	970.97
LSSC-08I	983.13	11/15/2006	11.24	---	0.00	---	23.36	0.00	971.89
LSSC-08I	983.13	11/20/2006	11.45	---	0.00	23.31	23.35	0.04	971.68
LSSC-08I	983.13	11/28/2006	12.35	---	0.00	---	23.36	0.00	970.78
LSSC-08S	983.11	11/20/2006	11.50	---	0.00	---	14.68	0.00	971.61
LSSC-16I	980.88	11/20/2006	8.32	---	0.00	28.50	28.52	0.02	972.56
LSSC-18	987.32	11/20/2006	13.68	---	0.00	---	18.58	0.00	973.64
LSSC-32	980.68	11/20/2006	8.28	---	0.00	---	35.24	0.00	972.40
LSSC-33	980.49	11/20/2006	8.35	---	0.00	---	29.20	0.00	972.14
RW-1	984.88	10/31/2006	12.08	---	0.00	P	21.00	< 0.01	972.80
RW-1	984.88	11/7/2006	12.25	---	0.00	P	21.00	< 0.01	972.63
RW-1	984.88	11/14/2006	11.47	P	< 0.01	P	21.00	< 0.01	973.41
RW-1	984.88	11/22/2006	11.80	---	0.00	P	21.00	< 0.01	973.08
RW-1	984.88	11/28/2006	11.80	---	0.00	P	21.00	< 0.01	973.08
RW-1 (R)	985.07	10/31/2006	15.98	---	0.00	P	20.42	< 0.01	969.09
RW-1 (R)	985.07	11/7/2006	16.80	P	< 0.01	P	20.42	< 0.01	968.27
RW-1 (R)	985.07	11/14/2006	15.75	---	0.00	P	20.42	< 0.01	969.32
RW-1 (R)	985.07	11/22/2006	15.70	---	0.00	P	20.42	< 0.01	969.37
RW-1 (R)	985.07	11/28/2006	16.73	---	0.00	P	20.42	< 0.01	968.34
RW-2	987.82	10/31/2006	13.90	---	0.00	---	21.75	0.00	973.92
RW-2	987.82	11/7/2006	14.00	---	0.00	---	21.75	0.00	973.82
RW-2	987.82	11/14/2006	13.20	---	0.00	---	21.75	0.00	974.62
RW-2	987.82	11/22/2006	13.32	---	0.00	---	21.75	0.00	974.50
RW-2	987.82	11/28/2006	13.94	---	0.00	---	21.75	0.00	973.88
RW-3	984.08	10/31/2006	16.50	16.46	0.04	---	21.57	0.00	967.62
RW-3	984.08	11/7/2006	16.30	16.27	0.03	---	21.57	0.00	967.81
RW-3	984.08	11/14/2006	16.60	---	0.00	---	21.57	0.00	967.48
RW-3	984.08	11/22/2006	16.60	16.53	0.07	---	21.57	0.00	967.55
RW-3	984.08	11/28/2006	16.23	16.20	0.03	---	21.57	0.00	967.88

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

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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	11/8/2006	15.68	See Note 4 regarding depth to water					970.64
BM-2A	986.32	11/15/2006	15.50	See Note 4 regarding depth to water					970.82
BM-2A	986.32	11/21/2006	15.20	See Note 4 regarding depth to water					971.12
BM-2A	986.32	11/28/2006	16.28	See Note 4 regarding depth to water					970.04

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 21-16
ACTIVE DNAPL RECOVERY SYSTEMS MONTHLY SUMMARY
NEWELL STREET AREA II
GROUNDWATER MANAGEMENT AREA 1

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

Recovery System	Date	Total Gallons Recovered
System 2[1]	November 2005	--[2]
	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
Total Automated DNAPL Removal for November 2006:		**224.1 Gallons**

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 21-17
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	November 2006 Removal (liters)
N2SC-07	11/20/2006	9.25	35.64	0.10	0.062	0.062
N2SC-08	11/20/2006	10.64	38.80	2.30	1.419	1.419
NS-30	11/20/2006	9.30	35.00	0.10	0.062	0.062
NS-32	11/20/2006	10.20	38.00	0.03	0.019	0.019

Total DNAPL Removal for November 2006: 1.561 liters
0.412 gallons

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

TABLE 21-18
ROUTINE WELL MONITORING
NEWELL STREET AREA II
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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	11/8/2006	11.78	---	0.00	36.28	40.40	4.12	973.21
N2SC-01I	984.99	11/15/2006	11.01	---	0.00	36.25	40.40	4.15	973.98
N2SC-01I	984.99	11/20/2006	11.05	---	0.00	37.05	40.40	3.35	973.94
N2SC-01I	984.99	11/29/2006	11.80	---	0.00	36.60	40.40	3.80	973.19
N2SC-01I(R)	986.01	10/31/2006	14.97	---	0.00	41.30	42.60	1.30	971.04
N2SC-01I(R)	986.01	11/7/2006	15.30	---	0.00	41.70	42.60	0.90	970.71
N2SC-01I(R)	986.01	11/14/2006	14.39	---	0.00	42.44	42.60	0.16	971.62
N2SC-01I(R)	986.01	11/22/2006	14.82	---	0.00	41.90	42.60	0.70	971.19
N2SC-01I(R)	986.01	11/28/2006	15.20	---	0.00	41.60	42.60	1.00	970.81
N2SC-02	985.56	11/20/2006	10.10	---	0.00	---	38.36	0.00	975.46
N2SC-03I	986.24	11/8/2006	10.28	---	0.00	35.80	37.74	1.94	975.96
N2SC-03I	986.24	11/15/2006	9.50	---	0.00	35.70	37.75	2.05	976.74
N2SC-03I	986.24	11/22/2006	12.92	---	0.00	38.60	41.10	2.50	973.32
N2SC-03I	986.24	11/20/2006	9.55	---	0.00	36.00	37.75	1.75	976.69
N2SC-03I	986.24	11/29/2006	10.50	---	0.00	36.40	37.75	1.35	975.74
N2SC-03I(R)	985.86	10/31/2006	13.10	---	0.00	38.55	41.10	2.55	972.76
N2SC-03I(R)	985.86	11/7/2006	13.40	---	0.00	38.80	41.10	2.30	972.46
N2SC-03I(R)	985.86	11/14/2006	12.56	---	0.00	38.70	41.10	2.40	973.30
N2SC-03I(R)	985.86	11/22/2006	12.92	---	0.00	38.60	41.10	2.50	972.94
N2SC-03I(R)	985.86	11/28/2006	13.31	---	0.00	38.90	41.10	2.20	972.55
N2SC-07	984.61	11/20/2006	9.25	---	0.00	35.64	35.74	0.10	975.36
N2SC-08	986.07	11/20/2006	10.64	---	0.00	38.80	41.10	2.30	975.43
N2SC-14	985.06	10/31/2006	13.70	---	0.00	38.60	40.00	1.40	971.36
N2SC-14	985.06	11/7/2006	14.05	---	0.00	38.90	40.00	1.10	971.01
N2SC-14	985.06	11/14/2006	13.18	---	0.00	38.80	40.00	1.20	971.88
N2SC-14	985.06	11/22/2006	13.78	---	0.00	38.70	40.00	1.30	971.28
N2SC-14	985.06	11/28/2006	14.03	---	0.00	38.50	40.00	1.50	971.03
NS-15R	NA	11/8/2006	10.95	---	0.00	---	19.01	0.00	NA
NS-15R	NA	11/15/2006	10.61	---	0.00	---	19.01	0.00	NA
NS-15R	NA	11/20/2006	9.70	---	0.00	---	19.01	0.00	NA
NS-15R	NA	11/29/2006	10.53	---	0.00	---	19.02	0.00	NA
NS-30	985.99	11/8/2006	10.10	---	0.00	35.00	35.10	0.10	975.89
NS-30	985.99	11/15/2006	9.18	---	0.00	35.02	35.10	0.08	976.81
NS-30	985.99	11/20/2006	9.30	---	0.00	35.00	35.10	0.10	976.69
NS-30	985.99	11/29/2006	10.05	---	0.00	35.03	35.10	0.07	975.94
NS-32	986.20	11/8/2006	10.95	---	0.00	37.92	38.02	0.10	975.25
NS-32	986.20	11/15/2006	10.20	---	0.00	38.00	38.03	0.03	976.00
NS-32	986.20	11/20/2006	10.20	---	0.00	38.00	38.03	0.03	976.00
NS-32	986.20	11/29/2006	11.00	---	0.00	---	38.05	0.00	975.20

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 21-19
ROUTINE WELL MONITORING
SILVER LAKE AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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	11/8/2006	3.92	See Note 3 regarding depth to water					984.22
Silver Lake Gauge	980.30	11/15/2006	4.28	See Note 3 regarding depth to water					984.58
Silver Lake Gauge	980.30	11/21/2006	3.72	See Note 3 regarding depth to water					984.02
Silver Lake Gauge	980.30	11/28/2006	3.68	See Note 3 regarding depth to water					983.98

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)
NOVEMBER 2006

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

a. Activities Undertaken/Completed

- Continued routine river elevation monitoring.
- Conducted supplemental groundwater sampling for PCBs at well GMA2-1.

b. Sampling/Test Results Received

- See attached tables.
- Preliminary analytical results from the November 2006 supplemental groundwater sampling at well GMA2-1 are shown in Table 22-2. The samples were analyzed for PCBs in filtered form. The results indicate that no PCBs were detected.

c. Work Plans/Reports/Documents Submitted

None

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

Continue routine river elevation monitoring.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received conditional approval of GMA 2 NAPL Monitoring Report for Spring 2006 (November 14, 2006).

TABLE 22-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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	F1978-1	10/11/06	Liquid	SGS	PCB, VOC, SVOC, Total Metals (8)	11/1/06
Semi-Annual Groundwater Sampling	GMA2-1	11/7/06	Water	SGS	PCB (f)	11/27/06
Semi-Annual Groundwater Sampling	GMA2-BlindDup (GMA2-1)	11/7/06	Water	SGS	PCB (f)	11/27/06

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

TABLE 22-2
DATA RECEIVED DURING NOVEMBER 2006

SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 2
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Date Collected:	GMA2-1 / 11/07/06
PCBs-Filtered		
None Detected		--

Notes:
1. Samples were collected by BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered).
2. -- Indicates that all constituents for the parameter group were not detected.

TABLE 22-3
DATA RECEIVED DURING NOVEMBER 2006

BUILDING 78 DRUM SAMPLING
GROUNDWATER MANAGEMENT AREA 2
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Date Collected:	F1978-1 / 10/11/06
Volatile Organics		
Methylene Chloride		0.00020 J
PCBs-Unfiltered		
Aroclor-1260		0.00012
Total PCBs		0.00012
Semivolatile Organics		
None Detected		--
Inorganics-Unfiltered		
Barium		0.0285 B
Cadmium		0.0633
Chromium		0.0673
Lead		0.152
Mercury		0.000196 B
Silver		0.00877 B

Notes:
1. Sample was collected by BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. for analysis of volatiles, PCBs, semivolatiles and metals.
2. Only detected constituents are summarized.
3. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

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

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

TABLE 22-4
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 2

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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	11/28/2006	16.94	See Note 2 regarding depth to water					972.88

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)
NOVEMBER 2006

a. Activities Undertaken/Completed

- Conducted routine groundwater elevation and NAPL monitoring activities. Approximately 12.866 liters (3.39 gallons) of LNAPL were removed by the automatic skimmer located in well 51-21 and an additional 2.100 liters (0.55 gallon) of LNAPL were manually removed from the wells in this area (see Table 23-1).*

- Conducted semi-annual groundwater elevation and NAPL monitoring event.*

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.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 23-1
MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL
GROUNDWATER MANAGEMENT AREA 3

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

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	November 2006 Removal (liters)
51-08	11/8/2006	11.68	10.80	0.88	0.543	0.944
	11/15/2006	11.20	10.55	0.65	0.401	
51-17	11/27/2006	10.57	9.68	0.89	0.549	0.549
51-21	10/31/2006	15.30	P	< 0.01	4.16	12.866
	11/7/006	15.30	P	< 0.01	2.271	
	11/14/2006	14.97	14.96	0.01	2.271	
	11/22/2006	14.98	P	< 0.01	2.08	
	11/28/2006	15.06	P	< 0.01	2.08	
59-03R	11/27/2006	11.70	11.02	0.68	0.420	0.420
GMA3-13	11/8/2006	11.40	11.39	0.01	0.012	0.111
	11/15/2006	11.23	11.18	0.05	0.031	
	11/21/2006	11.14	11.03	0.11	0.068	
UB-PZ-3	11/27/2006	11.85	11.63	0.22	0.077	0.077

Total Automated LNAPL Removal at well 51-21 for November 2006: 12.866 liters
3.39 Gallons

Total Manual LNAPL Removal at all other wells for November 2006: 2.100 liters
0.55 Gallons

Total LNAPL Removed for November 2006: 14.966 liters
3.95 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 23-2
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 3

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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	11/27/2006	9.80	---	0.00	---	11.65	0.00	986.64
51-06	997.36	11/27/2006	10.47	---	0.00	---	14.50	0.00	986.89
51-07	997.08	11/27/2006	10.45	---	0.00	---	11.20	0.00	986.63
51-08	997.08	11/8/2006	11.68	10.80	0.88	---	14.67	0.00	986.22
51-08	997.08	11/15/2006	11.20	10.55	0.65	---	14.66	0.00	986.48
51-08	997.08	11/21/2006	10.60	10.55	0.05	---	14.65	0.00	986.53
51-08	997.08	11/27/2006	10.63	10.60	0.03	---	14.65	0.00	986.48
51-09	997.70	11/27/2006	10.82	---	0.00	---	11.56	0.00	986.88
51-11	994.37	11/27/2006	7.85	---	0.00	---	13.55	0.00	986.52
51-12	996.55	11/27/2006	7.50	---	0.00	---	13.35	0.00	989.05
51-13	997.42	11/27/2006	Dry at 9.84 feet		0.00	---	9.90	0.00	NA
51-14	996.77	11/27/2006	10.40	---	0.00	---	14.78	0.00	986.37
51-15	996.43	11/27/2006	9.95	9.90	0.05	---	14.35	0.00	986.53
51-16R	996.39	11/27/2006	9.91	9.89	0.02	---	14.55	0.00	986.50
51-17	996.43	11/27/2006	10.57	9.68	0.89	---	14.50	0.00	986.69
51-18	997.12	11/27/2006	10.61	---	0.00	---	12.60	0.00	986.51
51-19	996.43	11/27/2006	10.10	10.08	0.02	---	14.05	0.00	986.35
51-21	1001.49	10/31/2006	15.30	P	< 0.01	---	NM	0.00	986.19
51-21	1001.49	11/7/006	15.30	P	< 0.01	---	NM	0.00	986.19
51-21	1001.49	11/14/2006	14.97	14.96	0.01	---	NM	0.00	986.53
51-21	1001.49	11/22/2006	14.98	P	< 0.01	---	NM	0.00	986.51
51-21	1001.49	11/28/2006	15.06	P	< 0.01	---	NM	0.00	986.43
59-01	997.52	11/27/2006	10.92	10.90	0.02	---	11.40	0.00	986.62
59-03R	997.64	11/27/2006	11.70	11.02	0.68	---	17.05	0.00	986.57
59-07	997.96	11/27/2006	11.38	11.30	0.08	---	23.54	0.00	986.65
GMA3-10	997.54	11/8/2006	11.30	11.20	0.10	---	17.91	0.00	986.33
GMA3-10	997.54	11/15/2006	11.00	10.99	0.01	---	17.91	0.00	986.55
GMA3-10	997.54	11/21/2006	10.98	10.85	0.13	---	17.91	0.00	986.68
GMA3-10	997.54	11/27/2006	11.01	10.83	0.18	---	17.90	0.00	986.70
GMA3-11	997.25	11/27/2006	10.24	---	0.00	---	18.30	0.00	987.01
GMA3-12	997.84	11/8/2006	11.60	11.50	0.10	---	21.20	0.00	986.33
GMA3-12	997.84	11/15/2006	11.47	11.30	0.17	---	21.24	0.00	986.53
GMA3-12	997.84	11/21/2006	11.31	11.15	0.16	---	21.23	0.00	986.68
GMA3-12	997.84	11/27/2006	11.29	11.15	0.14	---	21.22	0.00	986.68
GMA3-13	997.73	11/8/2006	11.40	11.39	0.01	---	17.56	0.00	986.34
GMA3-13	997.73	11/15/2006	11.23	11.18	0.05	---	17.58	0.00	986.55
GMA3-13	997.73	11/21/2006	11.14	11.03	0.11	---	17.58	0.00	986.69
GMA3-13	997.73	11/27/2006	11.10	11.00	0.10	---	17.60	0.00	986.72
GMA3-14	997.42	11/27/2006	10.50	---	0.00	---	16.78	0.00	986.92
UB-MW-10	995.99	11/27/2006	9.40	---	0.00	---	14.85	0.00	986.59
UB-PZ-3	998.15	11/27/2006	11.85	11.63	0.22	---	13.42	0.00	986.50

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. NM indicates information not measured.
5. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.

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

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

a. Activities Undertaken/Completed

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

- Conducted fall 2006 interim groundwater sampling event.

b. Sampling/Test Results Received

- See attached tables.

- Preliminary analytical results received in November 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 November 2006.

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

    - The MCP GW-3 standard for PCBs (0.0003 ppm) was exceeded in the filtered sample from monitoring well OPCA-MW-4. Similar exceedances were previously observed in filtered samples collected from this well.

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

c. Work Plans/Reports/Documents Submitted

Submitted report titled *Results of PCB Assessment – Selected Monitoring Wells* (November 7, 2006).

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

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

Continue routine monitoring at well GMA4-3.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

- Received EPA conditional approval of GMA 4 Groundwater Quality Interim Report for Spring 2006 (November 14, 2006).

- Received EPA approval for *Results of PCB Assessment – Selected Monitoring Wells* (November 28, 2006).

TABLE 24-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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
Semi-Annual Groundwater Sampling	78-1	11/7/06	Water	NEA	PCB (f)	11/17/06
Semi-Annual Groundwater Sampling	78-1	11/7/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f), PAC CN (f), Sulfide, PCDD/PCDF	11/28/06
Semi-Annual Groundwater Sampling	78-6	11/7/06	Water	NEA	PCB (f)	11/17/06
Semi-Annual Groundwater Sampling	78-6	11/7/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f), PAC CN (f), Sulfide, PCDD/PCDF	11/28/06
Semi-Annual Groundwater Sampling	GMA4-6	11/7/06	Water	NEA	PCB (f)	11/17/06
Semi-Annual Groundwater Sampling	GMA4-6	11/7/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f), PAC CN (f), Sulfide, PCDD/PCDF	11/28/06
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	
Semi-Annual Groundwater Sampling	H78B-15	11/9/06	Water	NEA	PCB (f)	11/21/06
Semi-Annual Groundwater Sampling	H78B-15	11/9/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f), PAC CN (f), Sulfide, PCDD/PCDF	
Semi-Annual Groundwater Sampling	OPCA-MW-1R	11/8/06	Water	NEA	PCB (f)	11/17/06
Semi-Annual Groundwater Sampling	OPCA-MW-1R	11/8/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f), PAC CN (f), Sulfide, PCDD/PCDF	
Semi-Annual Groundwater Sampling	OPCA-MW-2	11/9/06	Water	NEA	PCB (f)	11/21/06
Semi-Annual Groundwater Sampling	OPCA-MW-2	11/9/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f), PAC CN (f), Sulfide, PCDD/PCDF	
Semi-Annual Groundwater Sampling	OPCA-MW-3	11/10/06	Water	NEA	PCB (f)	11/21/06
Semi-Annual Groundwater Sampling	OPCA-MW-3	11/10/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f), PAC CN (f), Sulfide, PCDD/PCDF	
Semi-Annual Groundwater Sampling	OPCA-MW-4	11/9/06	Water	NEA	PCB (f)	11/17/06
Semi-Annual Groundwater Sampling	OPCA-MW-4	11/9/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f), PAC CN (f), Sulfide, PCDD/PCDF	
Semi-Annual Groundwater Sampling	OPCA-MW-5R	11/9/06	Water	NEA	PCB (f)	11/21/06
Semi-Annual Groundwater Sampling	OPCA-MW-5R	11/9/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f), PAC CN (f), Sulfide, PCDD/PCDF	
Semi-Annual Groundwater Sampling	OPCA-MW-6	11/9/06	Water	NEA	PCB (f)	11/21/06
Semi-Annual Groundwater Sampling	OPCA-MW-6	11/9/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f), PAC CN (f), Sulfide, PCDD/PCDF	
Semi-Annual Groundwater Sampling	OPCA-MW-7	11/8/06	Water	NEA	PCB (f)	11/17/06
Semi-Annual Groundwater Sampling	OPCA-MW-7	11/8/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f), PAC CN (f), Sulfide, PCDD/PCDF	

TABLE 24-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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
Semi-Annual Groundwater Sampling	OPCA-MW-8	11/8/06	Water	NEA	PCB (f)	11/17/06
Semi-Annual Groundwater Sampling	OPCA-MW-8	11/8/06	Water	SGS	PCB (f), VOC, SVOC, Metals (f), PAC CN (f), Sulfide, PCDD/PCDF	

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

TABLE 24-2
DATA RECEIVED DURING NOVEMBER 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:	78-1 11/07/06	78-6 11/07/06	GMA4-6 11/07/06	H78B-15 11/09/06
Volatile Organics				
Toluene	0.00074 J	0.0019	0.00032 J	NA
PCBs-Filtered				
Aroclor-1248	ND(0.000022) {ND(0.00011)}	ND(0.000022) {ND(0.00011)}	ND(0.000022) {ND(0.00010)}	ND(0.000022)
Aroclor-1254	0.000023 AF {ND(0.00011)}	ND(0.000022) {ND(0.00011)}	ND(0.000022) {ND(0.00010)}	0.000029 AF
Total PCBs	0.000023 {ND(0.00011)}	ND(0.000022) {ND(0.00011)}	ND(0.000022) {ND(0.00010)}	0.000029
Semivolatile Organics				
None Detected	--	--	--	NA
Furans				
2,3,7,8-TCDF	ND(0.0000000011)	0.0000000012 J	0.0000000015 J	NA
TCDFs (total)	ND(0.0000000011)	0.0000000012 J	0.0000000015 J	NA
1,2,3,7,8-PeCDF	ND(0.0000000053)	ND(0.0000000054)	0.0000000065 J	NA
2,3,4,7,8-PeCDF	ND(0.0000000053)	ND(0.0000000054)	0.0000000052 J	NA
PeCDFs (total)	ND(0.0000000053)	ND(0.0000000054)	0.000000012 J	NA
1,2,3,4,7,8-HxCDF	ND(0.0000000053)	ND(0.0000000054)	ND(0.0000000052)	NA
1,2,3,6,7,8-HxCDF	ND(0.0000000053)	ND(0.0000000054)	ND(0.0000000052)	NA
1,2,3,7,8,9-HxCDF	ND(0.0000000053)	ND(0.0000000054)	ND(0.0000000052)	NA
2,3,4,6,7,8-HxCDF	ND(0.0000000053)	ND(0.0000000054)	ND(0.0000000052)	NA
HxCDFs (total)	ND(0.0000000053)	ND(0.0000000054)	ND(0.0000000052)	NA
1,2,3,4,6,7,8-HpCDF	ND(0.0000000053)	ND(0.0000000054)	ND(0.0000000052)	NA
1,2,3,4,7,8,9-HpCDF	ND(0.0000000053)	ND(0.0000000054)	ND(0.0000000052)	NA
HpCDFs (total)	ND(0.0000000053)	ND(0.0000000054)	ND(0.0000000052)	NA
OCDF	ND(0.000000011)	ND(0.000000011)	ND(0.000000010)	NA
Dioxins				
2,3,7,8-TCDD	ND(0.0000000014)	ND(0.0000000014)	ND(0.0000000014) X	NA
TCDDs (total)	ND(0.0000000014)	ND(0.0000000014)	ND(0.0000000013)	NA
1,2,3,7,8-PeCDD	ND(0.0000000053)	ND(0.0000000054)	ND(0.0000000052)	NA
PeCDDs (total)	ND(0.0000000053)	ND(0.0000000054)	ND(0.0000000052)	NA
1,2,3,4,7,8-HxCDD	ND(0.0000000053)	ND(0.0000000054)	ND(0.0000000052)	NA
1,2,3,6,7,8-HxCDD	ND(0.0000000053)	ND(0.0000000054)	ND(0.0000000052)	NA
1,2,3,7,8,9-HxCDD	ND(0.0000000053)	ND(0.0000000054)	ND(0.0000000052)	NA
HxCDDs (total)	ND(0.0000000053)	ND(0.0000000054)	ND(0.0000000052)	NA
1,2,3,4,6,7,8-HpCDD	ND(0.0000000053)	ND(0.0000000054)	ND(0.0000000052)	NA
HpCDDs (total)	0.0000000088 J	ND(0.0000000054)	ND(0.0000000052)	NA
OCDD	0.000000019 J	0.000000029 J	ND(0.000000010)	NA
Total TEQs (WHO TEFs)	0.0000000069	0.0000000070	0.0000000082	NA
Inorganics-Unfiltered				
None Detected	--	--	--	NA
Inorganics-Filtered				
Barium	0.0320 B	0.0650 B	0.0310 B	NA
Beryllium	0.000970 B	0.00135 B	ND(0.0100)	NA
Cadmium	0.00265 B	0.00232 B	0.00273 B	NA
Chromium	0.00387 B	0.00387 B	0.00431 B	NA
Cobalt	0.00192 B	0.00470 B	0.00309 B	NA
Copper	0.00585 B	0.00591 B	0.00606 B	NA
Lead	0.00392 B	ND(0.0100)	ND(0.0100)	NA
Mercury	0.0000403 B	0.0000429 B	0.0000382 B	NA
Nickel	0.00129 B	0.00275 B	0.00300 B	NA
Silver	0.00376 B	0.00440 B	0.00386 B	NA
Thallium	ND(0.0100)	0.00611 B	ND(0.0100)	NA
Vanadium	0.00167 B	0.00397 B	0.00266 B	NA
Zinc	0.00461 B	0.00393 B	0.0253 B	NA

TABLE 24-2
DATA RECEIVED DURING NOVEMBER 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-1R 11/08/06	OPCA-MW-2 11/09/06	OPCA-MW-3 11/10/06	OPCA-MW-4 11/09/06	OPCA-MW-5R 11/09/06
Volatile Organics					
Toluene	NA	NA	NA	NA	NA
PCBs-Filtered					
Aroclor-1248	0.000088 PE	0.000024 PE	ND(0.000022)	0.00035 PE	ND(0.000022)
Aroclor-1254	0.00015 AF	ND(0.000022)	ND(0.000022)	0.00023 AF	ND(0.000022)
Total PCBs	0.000238	0.000024	ND(0.000022)	0.00058	ND(0.000022)
Semivolatile Organics					
None Detected	NA	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	NA	NA	NA	NA	NA
TCDFs (total)	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDF	NA	NA	NA	NA	NA
2,3,4,7,8-PeCDF	NA	NA	NA	NA	NA
PeCDFs (total)	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF	NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDF	NA	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	NA	NA	NA	NA	NA
HxCDFs (total)	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	NA	NA	NA	NA	NA
HpCDFs (total)	NA	NA	NA	NA	NA
OCDF	NA	NA	NA	NA	NA
Dioxins					
2,3,7,8-TCDD	NA	NA	NA	NA	NA
TCDDs (total)	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDD	NA	NA	NA	NA	NA
PeCDDs (total)	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDD	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD	NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDD	NA	NA	NA	NA	NA
HxCDDs (total)	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	NA	NA	NA	NA	NA
HpCDDs (total)	NA	NA	NA	NA	NA
OCDD	NA	NA	NA	NA	NA
Total TEQs (WHO TEFs)	NA	NA	NA	NA	NA
Inorganics-Unfiltered					
None Detected	NA	NA	NA	NA	NA
Inorganics-Filtered					
Barium	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA

TABLE 24-2
DATA RECEIVED DURING NOVEMBER 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-6 11/09/06	OPCA-MW-7 11/08/06	OPCA-MW-8 11/08/06
Volatile Organics			
Toluene	NA	NA	NA
PCBs-Filtered			
Aroclor-1248	ND(0.000022)	0.000045 PE	ND(0.000022)
Aroclor-1254	ND(0.000022)	0.000095 AF	ND(0.000022)
Total PCBs	ND(0.000022)	0.00014	ND(0.000022)
Semivolatile Organics			
None Detected	NA	NA	NA
Furans			
2,3,7,8-TCDF	NA	NA	NA
TCDFs (total)	NA	NA	NA
1,2,3,7,8-PeCDF	NA	NA	NA
2,3,4,7,8-PeCDF	NA	NA	NA
PeCDFs (total)	NA	NA	NA
1,2,3,4,7,8-HxCDF	NA	NA	NA
1,2,3,6,7,8-HxCDF	NA	NA	NA
1,2,3,7,8,9-HxCDF	NA	NA	NA
2,3,4,6,7,8-HxCDF	NA	NA	NA
HxCDFs (total)	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	NA	NA	NA
HpCDFs (total)	NA	NA	NA
OCDF	NA	NA	NA
Dioxins			
2,3,7,8-TCDD	NA	NA	NA
TCDDs (total)	NA	NA	NA
1,2,3,7,8-PeCDD	NA	NA	NA
PeCDDs (total)	NA	NA	NA
1,2,3,4,7,8-HxCDD	NA	NA	NA
1,2,3,6,7,8-HxCDD	NA	NA	NA
1,2,3,7,8,9-HxCDD	NA	NA	NA
HxCDDs (total)	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	NA	NA	NA
HpCDDs (total)	NA	NA	NA
OCDD	NA	NA	NA
Total TEQs (WHO TEFs)	NA	NA	NA
Inorganics-Unfiltered			
None Detected	NA	NA	NA
Inorganics-Filtered			
Barium	NA	NA	NA
Beryllium	NA	NA	NA
Cadmium	NA	NA	NA
Chromium	NA	NA	NA
Cobalt	NA	NA	NA
Copper	NA	NA	NA
Lead	NA	NA	NA
Mercury	NA	NA	NA
Nickel	NA	NA	NA
Silver	NA	NA	NA
Thallium	NA	NA	NA
Vanadium	NA	NA	NA
Zinc	NA	NA	NA

TABLE 24-2
DATA RECEIVED DURING NOVEMBER 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 BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. and Northeast Analytical, 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. Samples results analyzed by SGS Environmental Services, Inc. are presented in curly brackets {}.

Data Qualifiers:

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

J - Indicates an estimated value less than the practical quantitation limit (PQL).
X - Estimated maximum possible concentration.
AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
PE - Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration.

Inorganics

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

TABLE 24-3
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 4

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
November 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	11/27/2006	17.28	---	0.00	---	26.25	0.00	986.67

Notes:

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

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

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

a. Activities Undertaken/Completed

Conducted additional baseline groundwater sampling per EPA's November 16, 2006 conditional approval letter (see 25.f below).

b. Sampling/Test Results Received

- See attached tables.

- Preliminary analytical results received in November 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 November 2006.

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

    - The MCP GW-3 standards were not exceeded in any of the groundwater sample results received in November 2006.

c. Work Plans/Reports/Documents Submitted

None

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

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

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

f. Proposed/Approved Work Plan Modifications

Received conditional approval of GMA 5 Groundwater Quality Interim Report for Spring 2006 (November 16, 2006).

TABLE 25-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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	NEA	PCB (f)	11/28/06
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,	
Semi-Annual Groundwater Sampling	GMA5-2	11/20/06	Water	NEA	PCB (f)	11/28/06
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,	
Semi-Annual Groundwater Sampling	GMA5-2	11/20/06	Water	SGS	Sulfide	
Semi-Annual Groundwater Sampling	GMA5-3	11/21/06	Water	NEA	PCB (f)	11/30/06
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,	11/30/06
Semi-Annual Groundwater Sampling	GMA5-3	11/21/06	Water	SGS	Sulfide	
Semi-Annual Groundwater Sampling	GMA5-4	11/15/06	Water	NEA	PCB (f)	11/28/06
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,	
Semi-Annual Groundwater Sampling	GMA5-5	11/16/06	Water	NEA	PCB (f)	11/28/06
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,	
Semi-Annual Groundwater Sampling	GMA5-6	11/17/06	Water	SGS	PCB (f)	11/28/06
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,	
Semi-Annual Groundwater Sampling	GMA5-7	11/20/06	Water	NEA	PCB (f)	11/30/06
Semi-Annual Groundwater Sampling	GMA5-7	11/20/06	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), EPA CN, EPA CN (f), PAC CN (f), Pest, Herb,	
Semi-Annual Groundwater Sampling	GMA5-7	11/20/06	Water	SGS	Sulfide	
Semi-Annual Groundwater Sampling	GMA5-7	10/27/06	Water	SGS	VOC	11/9/06
Semi-Annual Groundwater Sampling	GMA5-8	11/28/06	Water	NEA	PCB (f)	
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,	
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,	

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

TABLE 25-2
DATA RECEIVED DURING NOVEMBER 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	GMA5-4 11/15/06	GMA5-5 11/16/06	GMA5-6 11/17/06	GMA5-7 10/20-10/27/2006
Volatile Organics							
Tetrachloroethene	NA	NA	NA	NA	NA	NA	0.046
Trichloroethene	NA	NA	NA	NA	NA	NA	0.0023
Total VOCs	NA	NA	NA	NA	NA	NA	0.048
PCBs-Filtered							
Aroclor-1221	ND(0.000022)	ND(0.000022)	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000023 PB	ND(0.000022)
Aroclor-1242	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000023 PD	ND(0.000022)	0.000084 PD	ND(0.000022)
Aroclor-1248	ND(0.000022)	ND(0.000022)	0.000059 PE	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000073 PE
Aroclor-1254	ND(0.000022)	ND(0.000022)	0.000024 AF	ND(0.000022)	ND(0.000022)	ND(0.000022)	0.000054 AF
Total PCBs	ND(0.000022)	ND(0.000022)	0.000083	0.000023	ND(0.000022)	0.000107	0.000127
Semivolatile Organics							
None Detected	NA	NA	NA	NA	NA	NA	--

Notes:
1. Samples were collected by BBL, an ARCADIS company (BBL), and submitted to SGS Environmental Services, Inc. and Northeast Analytical, Inc. for analysis of volatiles, select semivolatiles and PCBs (filtered).
2. Only detected constituents are summarized.
3. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)
AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
PB - Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration.
PD - Aroclor 1242 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1242 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration
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.

Attachment A

NPDES Sampling Records and Results
November 2006

BBL®
an ARCADIS company

TABLE A-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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-A7681	11/6/06	Water	Columbia	Oil & Grease	11/17/06
NPDES Sampling	001-A7683	11/6/06	Water	Accutest	PCB	11/28/06
NPDES Sampling	001-A7688	11/7/06	Water	Columbia	TSS	11/17/06
NPDES Sampling	005-A7653/A7654	10/17/06	Water	Accutest	PCB	11/1/06
NPDES Sampling	005-A7668/A7669	10/24/06	Water	Accutest	PCB	11/16/06
NPDES Sampling	005-A7678/A7679	10/31/06	Water	Accutest	PCB	11/14/06
NPDES Sampling	005-A7689/A7690	11/7/06	Water	Accutest	PCB	11/27/06
NPDES Sampling	005-A7689/A7690	11/7/06	Water	Columbia	TSS, BOD	11/17/06
NPDES Sampling	005-A7706/A7707	11/14/06	Water	Accutest	PCB	11/29/06
NPDES Sampling	005-A7726/A7727	11/21/06	Water	Accutest	PCB	
NPDES Sampling	005-A7737/A7738	11/28/06	Water	Accutest	PCB	
NPDES Sampling	06A-A7658	10/20/06	Water	Columbia	Oil & Grease	11/1/06
NPDES Sampling	06A-A7660	10/20/06	Water	Accutest	PCB	11/1/06
NPDES Sampling	09B-A7670	10/24/06	Water	Columbia	TSS, BOD	11/1/06
NPDES Sampling	09B-A7680	10/31/06	Water	Columbia	TSS, BOD	11/8/06
NPDES Sampling	09B-A7691	11/7/06	Water	Columbia	TSS, BOD	11/17/06
NPDES Sampling	09B-A7708	11/14/06	Water	Columbia	TSS, BOD	11/27/06
NPDES Sampling	09B-A7715	11/17/06	Water	Columbia	BOD	11/27/06
NPDES Sampling	09B-A7720	11/20/06	Water	Columbia	TSS, BOD	11/30/06
NPDES Sampling	09B-A7735	11/26/06	Water	Columbia	TSS	
NPDES Sampling	09B-A7739	11/28/06	Water	Columbia	BOD	
NPDES Sampling	09C-A7656	10/17/06	Water	Columbia	Oil & Grease	11/1/06
NPDES Sampling	09C-A7661	10/22/06	Water	Columbia	Oil & Grease	11/1/06
NPDES Sampling	09C-A7671	10/29/06	Water	Columbia	Oil & Grease	11/8/06
NPDES Sampling	09C-A7698	11/8/06	Water	Columbia	Oil & Grease	11/16/06
NPDES Sampling	09C-A7704	11/13/06	Water	Columbia	Oil & Grease	11/27/06
NPDES Sampling	09C-A7729	11/23/06	Water	Columbia	Oil & Grease	
NPDES Sampling	64G-A7665	10/23/06	Water	Columbia	Oil & Grease	11/1/06
NPDES Sampling	64G-A7675	10/30/06	Water	Columbia	Oil & Grease	11/8/06
NPDES Sampling	64G-A7686	11/6/06	Water	Columbia	Oil & Grease	11/17/06
NPDES Sampling	64G-A7702	11/13/06	Water	Columbia	Oil & Grease	11/27/06
NPDES Sampling	64G-A7718	11/20/06	Water	Columbia	Oil & Grease	11/30/06
NPDES Sampling	64G-A7733	11/27/06	Water	Columbia	Oil & Grease	
NPDES Sampling	64T-A7663	10/23/06	Water	Columbia	Oil & Grease	11/1/06

TABLE A-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 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	64T-A7673	10/30/06	Water	Columbia	Oil & Grease	11/8/06
NPDES Sampling	64T-A7684	11/6/06	Water	Columbia	Oil & Grease	11/17/06
NPDES Sampling	64T-A7700	11/13/06	Water	Columbia	Oil & Grease	11/27/06
NPDES Sampling	64T-A7716	11/20/06	Water	Columbia	Oil & Grease	11/30/06
NPDES Sampling	64T-A7731	11/27/06	Water	Columbia	Oil & Grease	
NPDES Sampling	A7692C	11/9/06	Water	Aquatec	Acute Toxicity Test	
NPDES Sampling	A7692CCN	11/9/06	Water	Columbia	CN	11/17/06
NPDES Sampling	A7692CDM	11/9/06	Water	Columbia	Filtered Metals (8)	11/17/06
NPDES Sampling	A7692CTM	11/9/06	Water	Columbia	Metals (10)	11/17/06
NPDES Sampling	A7693R	11/9/06	Water	Aquatec	Acute Toxicity Test	
NPDES Sampling	A7693RCN	11/9/06	Water	Columbia	CN	11/17/06
NPDES Sampling	A7693RTM	11/9/06	Water	Columbia	Metals (10)	11/17/06
NPDES Sampling	A7710C	11/17/06	Water	Aquatec	Acute Toxicity Test	
NPDES Sampling	A7710CCN	11/17/06	Water	Columbia	CN	11/30/06
NPDES Sampling	A7710CDM	11/17/06	Water	Columbia	Filtered Metals (8)	11/30/06
NPDES Sampling	A7710CTM	11/17/06	Water	Columbia	Metals (10)	11/30/06
NPDES Sampling	A7711RCN	11/17/06	Water	Columbia	CN	11/30/06
NPDES Sampling	A7711R	11/17/06	Water	Aquatec	Acute Toxicity Test	
NPDES Sampling	A7711RTM	11/17/06	Water	Columbia	Metals (10)	11/30/06
NPDES Sampling	DEC06WK1	11/28/06	Water	Columbia	Cu, Pb, Zn	
NPDES Sampling	NOV06WK1	10/31/06	Water	Columbia	Cu, Pb, Zn	11/8/06
NPDES Sampling	NOV06WK4	11/21/06	Water	Columbia	Cu, Pb, Zn	11/30/06
NPDES Sampling	OCT06WK4	10/24/06	Water	Columbia	Cu, Pb, Zn	11/1/06

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2006

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

Parameter / Sample ID: / Date Collected:	001-A7681 11/06/06	001-A7683 11/06/06	001-A7688 11/07/06	005-A7653/A7654 10/17/06	005-A7668/A7669 10/24/06	005-A7678/A7679 10/31/06	005-A7689/A7690 11/07/06
PCBs-Unfiltered							
Aroclor-1260	NA	ND(0.000050)	NA	ND(0.000050)	ND(0.00050)	ND(0.00050)	ND(0.000050)
Total PCBs	NA	ND(0.000050)	NA	ND(0.000050)	ND(0.00050)	ND(0.00050)	ND(0.000050)
Inorganics-Unfiltered							
Aluminum	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered							
Aluminum	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA
Conventionals							
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	ND(2.0)
Total Suspended Solids	NA	NA	1.50	NA	NA	NA	ND(1.00)
Oil & Grease	ND(5.0)	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2006

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

Parameter / Sample ID: / Date Collected:	005-A7706/A7707 11/14/06	06A-A7658 10/20/06	06A-A7660 10/20/06	09B-A7670 10/24/06	09B-A7680 10/31/06	09B-A7691 11/07/06	09B-A7708 11/14/06	09B-A7715 11/17/06
PCBs-Unfiltered								
Aroclor-1260	ND(0.000050)	NA	0.00056	NA	NA	NA	NA	NA
Total PCBs	ND(0.000050)	NA	0.00056	NA	NA	NA	NA	NA
Inorganics-Unfiltered								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals								
Biological Oxygen Demand (5-day)	NA	NA	NA	ND(2.0)	ND(2.0)	ND(2.0)	NA	ND(2.0)
Total Suspended Solids	NA	NA	NA	4.70	3.70	1.70	3.70	NA
Oil & Grease	NA	ND(5.1)	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2006

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

Parameter / Sample ID: / Date Collected:	09B-A7720 11/20/06	09C-A7656 10/17/06	09C-A7661 10/22/06	09C-A7671 10/29/06	09C-A7698 11/08/06	09C-A7704 11/13/06	64G-A7665 10/23/06	64G-A7675 10/30/06
PCBs-Unfiltered								
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals								
Biological Oxygen Demand (5-day)	ND(2.0)	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	3.50	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	NA	ND(5.1)	ND(5.1)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.0)

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2006

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

Parameter / Sample ID: / Date Collected:	64G-A7686 11/06/06	64G-A7702 11/13/06	64G-A7718 11/20/06	64T-A7663 10/23/06	64T-A7673 10/30/06	64T-A7684 11/06/06	64T-A7700 11/13/06	64T-A7716 11/20/06
PCBs-Unfiltered								
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals								
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2006

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

Parameter / Sample ID: / Date Collected:	A7692CCN 11/09/06	A7692CDM 11/09/06	A7692CTM 11/09/06	A7693RCN 11/09/06	A7693RTM 11/09/06	A7710CCN 11/17/06	A7710CDM 11/17/06	A7710CTM 11/17/06
PCBs-Unfiltered								
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered								
Aluminum	NA	NA	0.527	NA	0.131	NA	NA	0.167
Cadmium	NA	NA	ND(0.00500)	NA	ND(0.00500)	NA	NA	ND(0.00500)
Calcium	NA	NA	28.7	NA	9.16	NA	NA	61.2
Chromium	NA	NA	ND(0.0100)	NA	ND(0.0100)	NA	NA	ND(0.0100)
Copper	NA	NA	ND(0.0200)	NA	ND(0.0200)	NA	NA	ND(0.0200)
Cyanide	ND(0.0100)	NA	NA	ND(0.0100)	NA	0.0149	NA	NA
Lead	NA	NA	0.00940	NA	ND(0.00500)	NA	NA	ND(0.00500)
Magnesium	NA	NA	11.0	NA	3.49	NA	NA	24.8
Nickel	NA	NA	ND(0.0400)	NA	ND(0.0400)	NA	NA	ND(0.0400)
Silver	NA	NA	ND(0.0100)	NA	ND(0.0100)	NA	NA	ND(0.0100)
Zinc	NA	NA	0.0622	NA	ND(0.0200)	NA	NA	0.0377
Inorganics-Filtered								
Aluminum	NA	ND(0.100)	NA	NA	NA	NA	ND(0.100)	NA
Cadmium	NA	ND(0.00500)	NA	NA	NA	NA	ND(0.00500)	NA
Chromium	NA	ND(0.0100)	NA	NA	NA	NA	ND(0.0100)	NA
Copper	NA	ND(0.0200)	NA	NA	NA	NA	ND(0.0200)	NA
Lead	NA	ND(0.00500)	NA	NA	NA	NA	ND(0.00500)	NA
Nickel	NA	ND(0.0400)	NA	NA	NA	NA	ND(0.0400)	NA
Silver	NA	ND(0.0100)	NA	NA	NA	NA	ND(0.0100)	NA
Zinc	NA	0.0564	NA	NA	NA	NA	0.0302	NA
Conventionals								
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING NOVEMBER 2006

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

Parameter / Sample ID: / Date Collected:	A7711RCN 11/17/06	A7711RTM 11/17/06	NOV06WK1 10/31/06	NOV06WK4 11/21/06	OCT06WK4 10/24/06
PCBs-Unfiltered					
Aroclor-1260	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA
Inorganics-Unfiltered					
Aluminum	NA	0.106	NA	NA	NA
Cadmium	NA	ND(0.00500)	NA	NA	NA
Calcium	NA	9.96	NA	NA	NA
Chromium	NA	ND(0.0100)	NA	NA	NA
Copper	NA	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)
Cyanide	ND(0.0100)	NA	NA	NA	NA
Lead	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Magnesium	NA	3.70	NA	NA	NA
Nickel	NA	ND(0.0400)	NA	NA	NA
Silver	NA	ND(0.0100)	NA	NA	NA
Zinc	NA	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)
Inorganics-Filtered					
Aluminum	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA
Conventionals					
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA
Oil & Grease	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	005 1
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	10	01	TO	06	10	31

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

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
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	******	20.4	(26) LBS/DY	******	******	5.2	(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	0	(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	0.169	0.460	(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		
413	448-5902	2006	11	20
AREA CODE	NUMBER	YEAR	MO	DAY

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

SEE PAGE 5 + 9 OF PERMIT FOR SAMPLING REQUIREMENTS. SEE DMR(S) 0640 + 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 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	064 T	MAJOR (SUBR W) F - FINAL WASTEWATER TREATMENT (005)
PERMIT NUMBER	DISCHARGE NUMBER	

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	10	01	TO	06	10	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			
PH (P400 T C S) SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		6.6	******	7.9	SU	0	99/99	RCDR
	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	GRAB
DIBENZOFURAN (81302 T C S) SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	NODI [6]	NODI [6]				
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX	FFT		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

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M. T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE			DATE		
AREA CODE	NUMBER		YEAR	MO	DAY
413	448-5902		2006	11	20

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

SEE COMMENTS FOR 005. SEE PAGE 8 + 9 OF PERMIT.

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: GENERAL ELECTRIC COMPANY
LOCATION: PITTSFIELD MA 01201
ATTN: MICHAEL T CARROLL, ENGR

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

Form Approved.
OMB No. 2040-0004

MA0003891	064 0
PERMIT NUMBER	DISCHARGE NUMBER

MAJOR
(SUBR W)
F - FINAL
GROUNDWATER TREATMENT (GW5)

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	10	01	TO	06	10	31

*** NO DISCHARGE [illegible] ***

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 1 C 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		7.5	******	7.8	1 12 SU	0	99/99	RCDR
	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKL	GRAB
BASE NEUTRAL & ACID (METHOD 625). TOTAL 78200 1 C 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	1 19			
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX	UG/L		QTRLY	GRAB
VOLATILE COMPOUNDS, (GC/MS) 78230 1 C 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	1 19			
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX	UG/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

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M. T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE	NUMBER
413	448-5902

DATE

YEAR	MO	DAY
2006	11	20

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

SEE COMMENTS FOR 3051. SEE PAGE 8 + 9 OF PERMIT.

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

NAME: GENERAL ELECTRIC CORPORATION
ADDRESS: ATTN: JEFFREY D. RUEBESAM
300 WOODLAWN AVENUE
PITTSFIELD MA 01201
FACILITY LOCATION: GENERAL ELECTRIC COMPANY
PITTSFIELD MA 01201
ATTN: MICHAEL T CARROLL, EHSRM

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

Form Approved.
OMB No. 2040-0004

MA0003891	007 1
PERMIT NUMBER	DISCHARGE NUMBER

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

*** NO DISCHARGE ( ) ( ) ***

NOTE: Read Instructions before completing this form.

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	10	01	TO	06	10	31

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. FAHRENHEIT 00010 1 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******			(15)			
	PERMIT REQUIREMENT	******	******	**** ****	******	70 MO AVG	75 DAILY MX	DEG F		ONCE/ MONTH	GRAB
PH 00400 1 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******			******		(12)			
	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANDOM
POLYCHLORINATED BIPHENYLS (PCBS) 39516 1 0 0 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 1 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT			(03)	******	******	******				
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		ONCE/ MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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	11	20
AREA CODE	NUMBER		YEAR	MO	DAY

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

SAMPLE AT MANHOLE PRIOR TO CITY STORM DRAIN.

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

NAME GENERAL ELECTRIC CORPORATION
ADDRESS ATTN: JEFFREY G. RUEBESAM
100 WOODLAWN AVENUE
PITTSFIELD MA 01201
FACILITY 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

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	009 A

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

MONITORING PERIOD	YEAR	MO	DAY
FROM	06	10	01
TO	06	10	31

*** NO DISCHARGE [X] ***

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 1 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT			(26)	******	******	******				
	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT			(26)	******	******	******				
	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT			(03)	******	******	******				
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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M. T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
413	448-5902	2006	11	20
AREA CODE	NUMBER	YEAR	MO	DAY

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

SEE PAGE 1 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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	10	01	TO	06	10	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			
BOD 5-DAY (20 DEG. C) 00310 Y 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0	0	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 Y 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.4	1.0	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 Y 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.027	0.173	(03) MGD	******	******	******		0	99/99	RC
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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M. T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
413	448-5902	2006	11	20
AREA CODE	NUMBER	YEAR	MO	DAY

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

SEE PAGE 11 OF PERMIT. SEE DMR 0091; SAMPLE AT 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 LOCATION: GENERAL ELECTRIC COMPANY
PITTSFIELD MA 01201
ATTN: MICHAEL T CARROLL, EH&S&F

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

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	009 1

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

*** NO DISCHARGE ( ) ***

NOTE: Read Instructions before completing this form.

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	10	01	TO	06	10	31

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 (30 DEG. C) 00310 V 2 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0	0	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	105 MO AVG	438 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
PH 00400 V 2 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		6.7	******	7.4	(12) SU	0	01/07	GR
	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG-C
SOLIDS, TOTAL SUSPENDED 00530 V 2 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.4	1.0	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	219 MO AVG	876 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
OIL & GREASE 00556 V 2 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	55.3	(26) LBS/DY	******	******	5.1	(19) MG/L	0	01/07	GR
	PERMIT REQUIREMENT	******	438 DAILY MX	LBS/DY	******	******	15 DAILY MX	MG/L		WEEKLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS) 39516 V 2 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	(19)			
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLAN 50050 1 2 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.027	0.173	(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	11	20
AREA CODE	NUMBER	YEAR	MO	DAY

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

SEE PAGE 12 OF PERMIT. SEE DMRS 009A + 009B. REPORT SUM OF LOAD 09A + 09B, FOR BOD, TSS, FLOW. SAMPLE AT DISCHARGE POINT TO BROOK FOR PH, OIL & GREASE, AND PCB.

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

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

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

Form Approved.
OMB No. 2040-0004

MA0003891	SUM A
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	10	01	TO	06	10	31

*** NO DISCHARGE ( ) ***

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
NICKEL TOTAL RECOVERABLE 01074 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
SILVER TOTAL RECOVERABLE 01079 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
ZINC TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0	(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	******	0	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
CADMIUM TOTAL RECOVERABLE 01113 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
LEAD TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0	(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		
AREA CODE	NUMBER		YEAR	MO	DAY
413	448-5902		2006	11	20

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 LOCATION: GENERAL ELECTRIC COMPANY
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: FROM YEAR 06 MO 10 DAY 01 TO YEAR 06 MO 10 DAY 31

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
CHROMIUM TOTAL RECOVERABLE 01113 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
CYANIDE, TOTAL RECOVERABLE 78248 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	0.04	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr Pittsfield Remediation Prog.

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: 413 — NUMBER: 448-5902

DATE

YEAR: 2006 — MO: 11 — DAY: 20

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

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

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	SUM B

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	10	01	TO	06	10	31

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 AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
NOAEL STATRE 48HR AC U D. PULEX TDM3D 1 0 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	******	******		100	******	******	(23)	0	01/30	CP
	PERMIT REQUIREMENT	******	******	**** ****	35 DAILY MN	******	******	PER-CENT		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	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	11	20
AREA CODE	NUMBER	YEAR	MO	DAY

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

MONTHLY DRY WEATHER TESTING. COMPOSITE PROPORTIONATE TO FLOW. FOR JULY, AUG., SEPT. REPORT ACUTE AND CHRONIC. SEE DMR SUMC FOR QUARTERLY WET WEATHER ACUTE. SUBMIT THIS DMR WITH A NODI '9' WHEN SUBMITTING WET WEATHER RESULTS ON DMR SUMC

Attachment C

NPDES Biomonitoring Report
November 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 8, 2006

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

Re: NPDES Biomonitoring Report for November 2006
Submission #: R2634718

Dear Mr. Nicholson:

Enclosed is our report on the Acute Whole Effluent Toxicity testing conducted in November 2006. The Outfall Composite samples were collected on 11/17/06 at 11:05 am. The Housatonic River samples were collected on 11/17/06 at 9:25 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
Wet Weather Conditions
November 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 8, 2006

TABLE OF CONTENTS

I. Summary

On November 16-17, 2006 sampling of wastewater discharges from the General Electric Company facility in Pittsfield MA was conducted in accordance with the Wet 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 November 17, 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 November 16-17, 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	92%
Survival in laboratory water	100%
Survival in laboratory water with 100 mg/L sodium thiosulfate	92%
LC_{50} for Daphnia pulex in sodium chloride reference toxicant solution	2.733g NaCl/L November 17, 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
November 16-17, 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	0.146	ND (0.0500)
Chloride	CAS	121	8.03
Total Alkalinity	CAS	231	36.0
Total Organic Carbon	CAS	4.87	4.84
Total Phosphorus	CAS	0.0854	ND (0.0500)
Total Solids	CAS	478	77.0
Total Suspended Solids	CAS	6.90	1.20
Hardness	Aquatec	256	44
Spec. Conductance (umhos)	Aquatec	883	120
pH (SU)	Aquatec	7.8	6.7
TRC (start of toxicity test)	Aquatec	ND	ND
Cyanide	CAS	0.0149	ND (0.0100)
Aluminum, total	CAS	0.167	0.106
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	0.377	ND (0.0200)
Zinc, dissolved	CAS	0.0302	NA
pH (SU)	OB&G	8.11	7.61
Hardness	Aquatec	256	44

All results are mg/L unless otherwise indicated.

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

NA – Not analyzed

APPENDIX 1

Chemical and Acute Toxicity Data

Aquatec Biological Sciences

Aquatec Biological Sciences

Ecology | Environmental Toxicology | Natural Resource Assessments | Microbiology

December 6, 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 November 17, 2006.

According to the Chain-of-Custody documentation the samples for Whole Effluent Toxicity (WET) Testing were collected on November 17, 2006. The samples were transported to Aquatec Biological Sciences, Inc. by courier and delivered on the same day. The effluent sample (Sample 33941) was logged in for the acute 48-hour static toxicity test with *Daphnia pulex*. The receiving water sample (Sample 33942) 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 November 17, 2006, within the specified holding time.

At the conclusion of the toxicity test on November 19, 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 - 41

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 November 2006

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

SDG number: 10017
Effluent ID: Outfall Composite A7710C Aquatec sample number: 33941
Receiving water ID: Housatonic River A7711R Aquatec sample number: 33942

Study Director: John Williams

December 6, 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

12/6/06
Date

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

12/6/06
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: 12/6/06

Authorized signature

John Williams
Name

Manager, Environmental Toxicology
Title

Aquatec Biological Sciences, Inc.
Laboratory

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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., November 2002. Method 2021.0
Aquatec SDG:	10017
Test material:	Composite effluent from the General Electric Company located in Pittsfield, Massachusetts
GE sample ID:	OUTFALL COMPOSITE A7710C
Dilution water:	Water from the Housatonic River (grab sample)
GE sample ID:	HOUSATONIC RIVER A7711R
Dates collected:	November 17, 2006
Date received:	November 17, 2006
Test dates:	November 17-19, 2006
Test concentrations:	100%, 75%, 50%, 35%, 15%, 5% effluent. Dilution water control (Housatonic River A7711R) 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.

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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 November 17 - 19, 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.,

November 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 A7710C) was collected by GE personnel from November 16-17, 2006. The receiving water sample (Housatonic River A7711R) was a grab collected from the Housatonic River on November 17, 2006. Samples were delivered to Aquatec on the same day. Upon receipt at Aquatec on November 17, 2006, the temperature of the temperature blank contained within the cooler was 2.6°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 (7.3); dissolved oxygen (8.1 mg/L); conductivity (192 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 2.73 g NaCl/L with 95% confidence intervals of 1.84 – 4.72 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

A toxicity test completed with samples collected on November 9, 2006 did not meet the quality criterion for survival in the control, therefore the test was repeated with samples collected on November 17, 2006 (reported herein).

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 A7710C	Housatonic River A7711R HOUSATONIC RIVER A7711R
Temperature	20.9	20.8
pH	7.8	6.7
Alkalinity (as $CaCO_3$), mg/L	204	40
Hardness (as $CaCO_3$), mg/L	256	44
Dissolved oxygen, mg/L	8.7	8.5
Specific conductivity, uS/cm	883	120
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, November 17-19, 2006.

Test Concentration (% effluent)	pH			Dissolved Oxygen (mg/L)			Temperature (°C)		
	0	24	48	0	24	48	0	24	48
Dechl. Control	7.2	-	7.1	8.1	-	8.6	20.9	20.5	20.5
Lab Control	7.3	-	7.1	8.1	-	8.6	20.4	20.8	20.9
Dilution Control	6.7	-	7.1	8.5	-	8.7	20.8	20.3	20.4
5%	6.9	-	7.1	8.5	-	8.7	21.0	20.3	20.3
15%	7.1	-	7.2	8.4	-	8.7	20.9	20.3	20.3
35%	7.5	-	7.4	8.4	-	8.7	20.9	20.4	20.3
50%	7.6	-	7.7	8.4	-	8.7	20.9	20.2	20.3
75%	7.7	-	7.9	8.5	-	8.7	21.0	20.2	20.3
100%	7.8	-	8.1	8.7	-	8.8	20.9	20.3	20.4

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).

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Table 3. Cumulative percent mortalities recorded during the 48-hour static acute toxicity test with *Daphnia pulex* exposed to General Electric Pittsfield Plant effluent, November 17-19, 2006.

Effluent Conc. (%)	24-hour						48-hour					
	A	B	C	D	E	Avg	A	B	C	D	E	Avg
Dechl. Control	0	20	20	0	0	8	0	20	20	0	0	8
Lab Control	0	0	0	0	0	8	0	0	0	0	0	0
Rec. Control	0	0	0	20	0	4	0	0	0	40	0	8
5%	0	0	0	0	0	0	0	0	0	20	0	4
15%	0	0	0	0	0	0	0	0	0	20	0	4
35%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	20	0	4
75%	0	0	0	0	0	0	0	0	20	0	0	4
100%	0	0	0	0	0	0	0	20	0	20	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

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Appendix 1
Chain-of-Custody Documentation

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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
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): SEAN C. COYLE	
Telephone: (413) 494-6709	NPDES Permit #: MA0003891	Date Shipped:
Facsimile: (413) 494-7052		
Contact Name: ~~Mark Wasnewsky~~ SEAN COYLE	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 / Plastic / 1 gal	4°C / Plastic / 1/2 gal	4°C H_2SO_4 / Plastic / 1 L	4°C H_2SO_4 / Glass / 40 ml	4°C / Glass / 40 mL	4°C HNO_3 / Plastic / 0.5 L
Outfall Composite A771ØC	11.17.06	AM 11:05		X	Effluent	*Daphnia pulex* 48-h Static Acute Toxicity (EPA Method 2021.0). Log in for A48DPS	1					
Outfall Composite A771ØC	11.17.06	11 05 AM		X	Effluent	Total Residual Chlorine					1	
Housatonic River A771IR	11.17.06	9 25 AM	X		Receiving	Dilution Water	1					
Housatonic River A771IR	11.17.06	9 25 AM	X		Receiving	Total Residual Chlorine					1	

Relinquished by: *(signature)*	DATE	TIME	Received by: *(signature)*
C. Coyle	11.17.06	12:05 PM	
Relinquished by: *(signature)*	DATE	TIME	Received by: *(signature)*
	11-17-06	15:45	
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: 2.6°C. Dechlorinate the effluent sample if chlorine is detected.

Appendix 2
Summary of Test Conditions

Client: GENERAL ELECTRIC, PITTSFIELD, MA, MA0003891 **SDG: 10017**

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 A7710C Test Start Date: 11/17/06

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

Effluent Sampling Dates: November 17, 2006

Concentrations Tested: 0 5.0 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: 11/17/06

PERMIT LIMITS AND TEST RESULTS

Test Acceptability Criteria: Mean Control Survival: 92 (%)

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

NA: Not Applicable

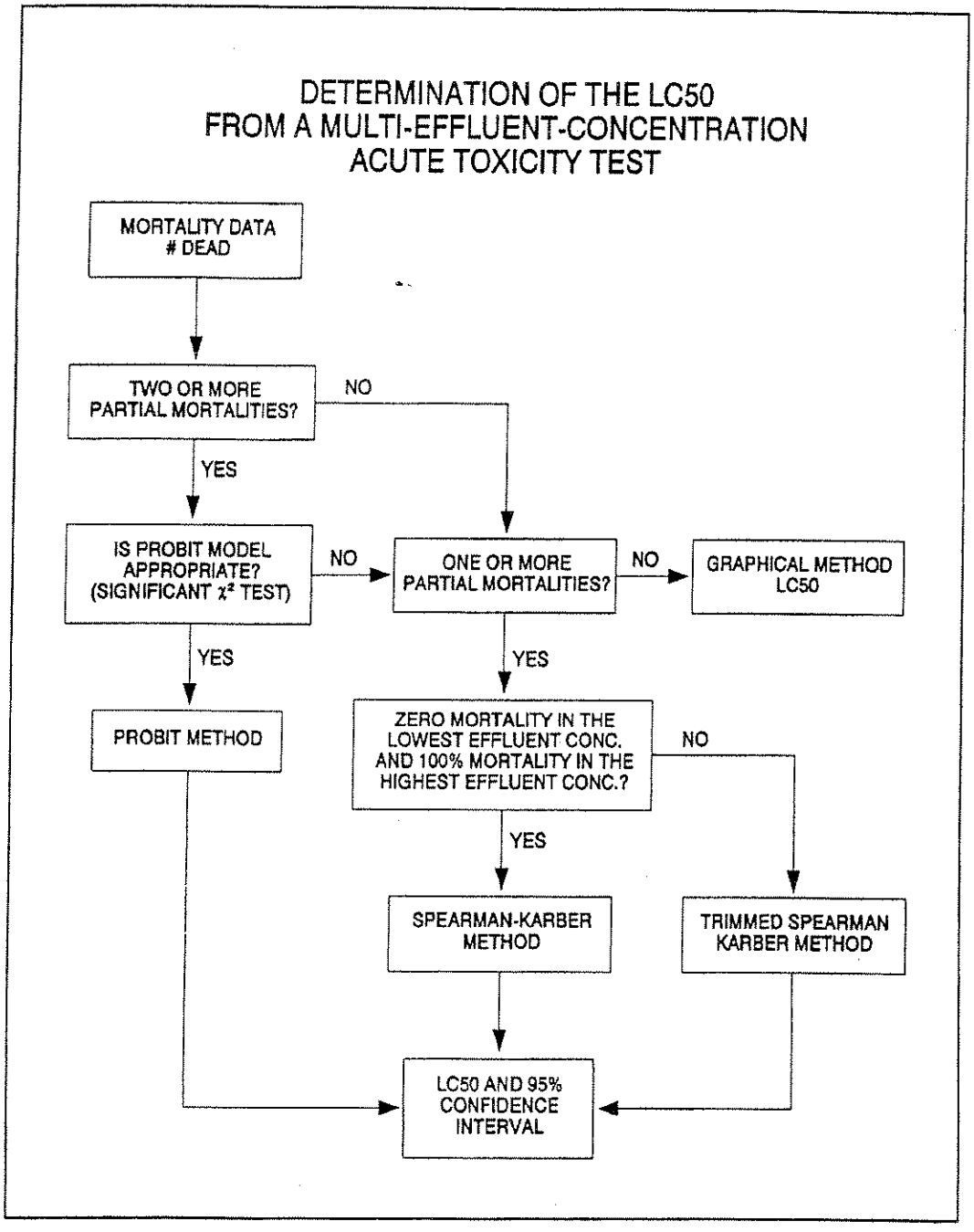


Figure 6. Flowchart for determination of the LC50 for multi-effluent-concentration acute toxicity tests.

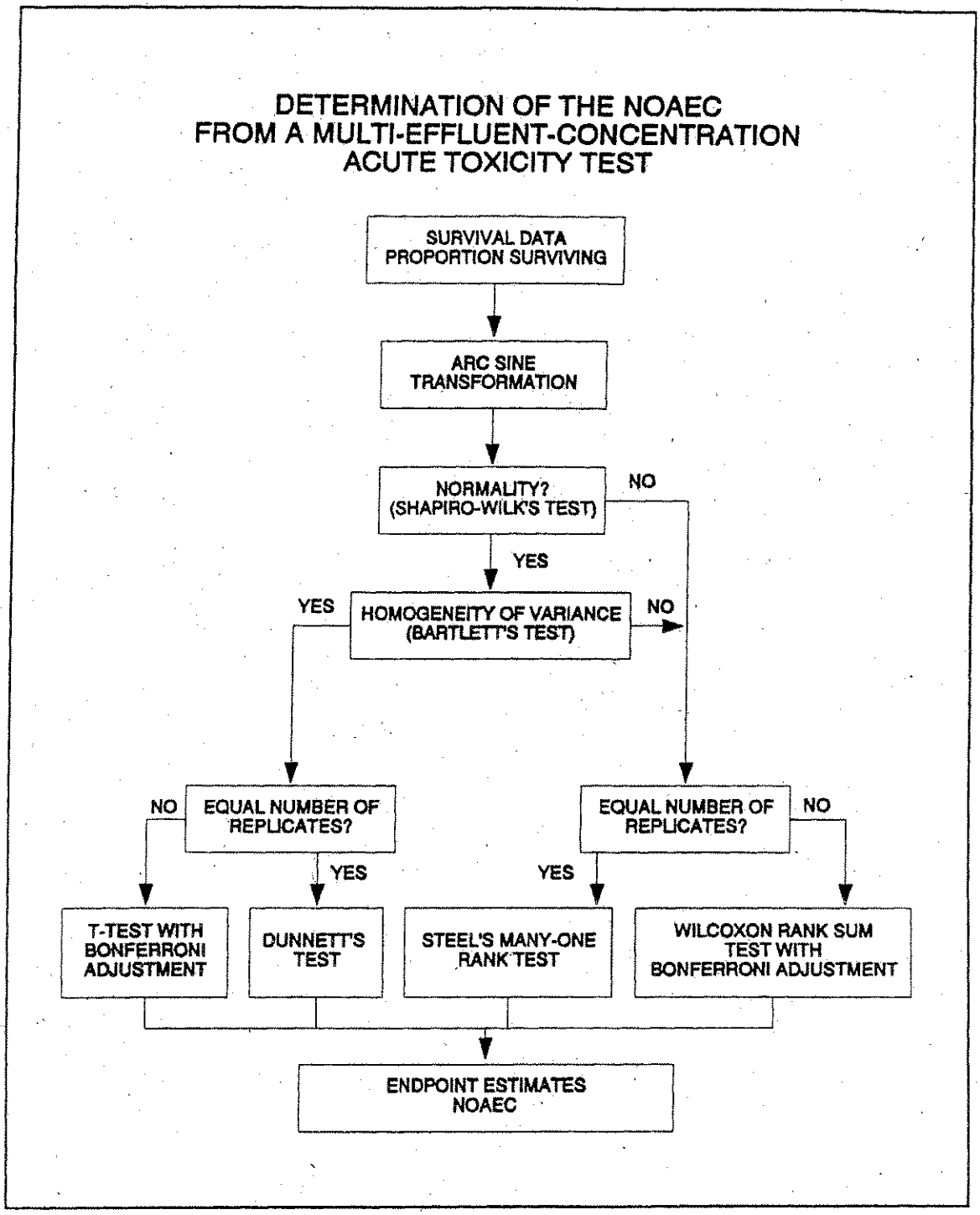


Figure 13. Flowchart for analysis of multi-effluent-concentration test data.

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

Aquatec Biological Sciences, Inc.

Test Date: 11/17/06
Sample Date: 11/17/06
Species: Daphnia pulex
Test Type: Acute - 48 hours

Test Number: 51235
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	1.25	.205	
			X	5.000	D	5	1.30	.106	
			X	15.000	D	5	1.30	.106	
			X	35.000	D	5	1.35	0.000	
			X	50.000	D	5	1.30	.106	
			X	75.000	D	5	1.30	.106	
			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	.92	.179	
				5.000	D	5	.96	.089	
				15.000	D	5	.96	.089	
				35.000	D	5	1.00	0.000	
				50.000	D	5	.96	.089	
				75.000	D	5	.96	.089	
				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	.015	.136

- 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: 51235 ( ) Chronic (x) Acute 48 hours
Test Date: 17-Nov-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	5		5						1.00		
0.00 D	3		F	5		5						1.00		
0.00 D	4		F	5		3						.60		
0.00 D	5		F	5		5						1.00		
5.00 D	1		F	6		6						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		4						.80		
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		4						.80		
15.00 D	5		F	5		5						1.00		
35.00 D	1		F	5		5						1.00		
35.00 D	2		F	5		5						1.00		
35.00 D	3		F	5		5						1.00		
35.00 D	4		F	5		5						1.00		
35.00 D	5		F	5		5						1.00		
50.00 D	1		F	5		5						1.00		
50.00 D	2		F	5		5						1.00		
50.00 D	3		F	5		5						1.00		
50.00 D	4		F	5		4						.80		
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		4						.80		
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		5						1.00		
100.00 D	4		F	5		4						.80		
100.00 D	5		F	5		4						.80		

QCV
KS 12/4/06
12/6/06

Client: GENERAL ELECTRIC, PITTSFIELD, MA Test #: 51235 SDG: 10017
MA0003891
Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test

SURVIVAL DATA, SAMPLE 33941

Treatment (%)		Day 0	Day 1 # Surviving	Day 2 # Surviving
Rec.	A	5	5	5
Water	B	5	5	5
Contr	C	5	5	5
	D	5	4	3
	E	5	5	5
5.0	A	~~6~~	6	6
	B	5	5	5
	C	5	5	5
	D	5	5	4
	E	5	5	5
15	A	5	5	5
	B	5	5	5
	C	5	5	5
	D	5	5	4
	E	5	5	5
35	A	5	5	5
	B	5	5	5
	C	5	5	5
	D	5	5	5
	E	5	5	5
50	A	5	5	5
	B	5	5	5
	C	5	5	5
	D	5	5	4
	E	5	5	5
75	A	5	5	5
	B	5	5	5
	C	5	5	4
	D	5	5	5
	E	5	5	5
100	A	5	5	5
	B	5	5	4
	C	5	5	5
	D	5	5	4
	E	5	5	4
Sample #		33941		
I/D/T		~~11-17-06 16:10 JG~~	11-18-06 16:00 KK	KS 11-19-06 16:00

Aquatec Biological Sciences, Inc. Williston Vermont
Reviewed by: _____ Date: 12/6/06

Client: GENERAL ELECTRIC, PITTSFIELD, MA Test #: 51235 SDG: 10017
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	4	4
	C	5	4	4
	D	5	5	5
	E	5	5	5
I/D/T		11-17-06 16:10 JG	11-18-06 15:50 KR	KS 11-19-06 15:50

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

Daphnia pulex Culture Log

CULTURE ID	WATER RENEWAL? (Lot#)	FED (MWF *Sel*/YCT TuTh *Sel*)	CLEARED OF NEONATES? (TIME)	Culture Beakers Washed?	Temp. (°C)	DATE	INIT.
10/30 A,B,C 10/15	—	Sel	—	—	—	11-2-06	KS
10/30 A,B,C 10/15	102406mHW ✓	Sel/YC	✓	—	20.7°C	11-3-06	JG
⊥	—	Sel	—	—	—	11-5-06	KS
10/30 A,B,C 10/15	✓	Yc/Sel	✓	✓	20.7°C	11-6-06	KS
⊥	—	Sel	10:45 ✓	—	20.7°C	11-7-06	KK
10/30 A,B,C 10/15	✓	Yc/Sel	11:00 ✓	—	—	11-8-06	KS
10/30 A,B,C 10/15	✓	Sel	11:50 ✓	—	20.9°C	11-9-06	KS
10/15 culture dumped. 11/9 mass culture started from 10/30 A,B,C neonates.					⊥	⊥	⊥
10/30 A,B,C 11/9	✓	Yc/Sel	11:05 ✓	—	21.0°C	11-10-06	KS
⊥	—	Sel	—	—	—	11-12-06	KS
10/30 A,B,C 11/9	✓	Yc/Sel	10:45 ✓	✓	20.9	11-13-06	KS
⊥	✓	⊥	16:30 ✓	—	21.0	11-14-06	KS
11/9 culture added to new 11/14 11/15 A,B,C cultures			culture to start, Fed YC+Sel.		20.8	11-15-06	KS
11/15 A,B,C 11/14	✓	Yc/Sel	16:10 ✓	—	20.7	11-16-06	KS
11/15 11/14 A,B,C	✓	Yc/Sel	10:10 ✓	—	20.6°C	11-17-06	KK

30 A,B,C dumped

Selenastrum Lot#: 102406Sel
YC or YCT Lot#: 102606YC

Client: GENERAL ELECTRIC, PITTSFIELD, MA Test #: 51235 SDG: 10017
MA0003891 OUTFALL 001
Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test

Treatment (%)	Parameter	Day 0	Day 1	Day 2
Lab Contr	pH	7.3	–	7.1
	DO	8.1	–	8.6
	Temp	20.4	20.8	20.9
	Cond.	192	–	①250
Dechlorination Control	pH	7.2	–	7.1
	DO	8.1	–	8.6
	Temp	20.9	20.5	20.5
	Cond.	195	–	282
Rec. Water Contr	pH	6.7	–	7.1
	DO	8.5	–	8.7
	Temp	20.8	20.3	20.4
	Cond.	120	–	199
5.0	pH	6.9	–	7.1
	DO	8.5	–	8.7
	Temp	21.0	20.3	20.3
	Cond.	161	–	244
15	pH	7.1	–	7.2
	DO	8.4	–	8.7
	Temp	20.9	20.3	20.3
	Cond.	240	–	303
35	pH	7.5	–	7.4
	DO	8.4	–	8.7
	Temp	20.9	20.4	20.3
	Cond.	400	–	457
50	pH	7.6	–	7.7
	DO	8.4	–	8.7
	Temp	20.9	20.2	20.3
	Cond.	516	–	516
75	pH	7.7	–	7.9
	DO	8.5	–	8.7
	Temp	21.0	20.2	20.3
	Cond.	697	–	679
100	pH	7.8	–	8.1
	DO	8.7	–	8.8
	Temp	20.9	20.3	20.4
	Cond.	883	–	859
Sample #		33941	33941	33941
I/D (2006)		JT 11/17/06	KC 11/18/06	KS 11/19/06

①Possible salts in chem cups. KS 11/19/06

Aquatec Biological Sciences, Inc. Williston Vermont
Reviewed by: _____ Date: 12/6/06

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
33941	Outfall Composite		11/17/06	25	25.7	30.8	KK	11/18/06	204.0	50	8.2	21	KK	11/17/06	256.0
33942	Housatonic River A		11/17/06	25	30.8	31.8	KK	11/18/06	40.0	50	21	23.2	KK	11/17/06	44.0

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

Total Residual Chlorine Analysis

Client	SDG
GE Pittsfield, MA	10017

Sample #	Sample ID	Collection Date / Time	Analysis Date / Time / Analyst	Result (TRC mg/L)	Method
33941	Outfall Composite A7710C	11/17706, 11:05	11/17/06, 18:22 JWW	<0.1	DPD Colorimetric
33942	Housatonic River A7711R	11/17/06, 09:35	11/17/06, 18:22 JWW	<0.1	DPD Colorimetric

Sample Preparation

Client: GENERAL ELECTRIC, PITTSFIELD, MA MA0003891	SDG: 10017
Test Description: *Daphnia pulex* acute toxicity test.	Test #: 51235

Sample Identification:

Sample Description	Rec. Water (Housatonic River)	Effluent		
Sample #	33942	33941		

Sample Preparation:

Filtration	60 micron ✓	60 micron ✓	60 micron	60 micron
Chlorine [1]	ND	ND		
Dechlorine [2]	—	—		
Salinity (o/oo)	—	1 o/oo		
Prepared by (Init./date)	[illegible]	11/17/06		

[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	

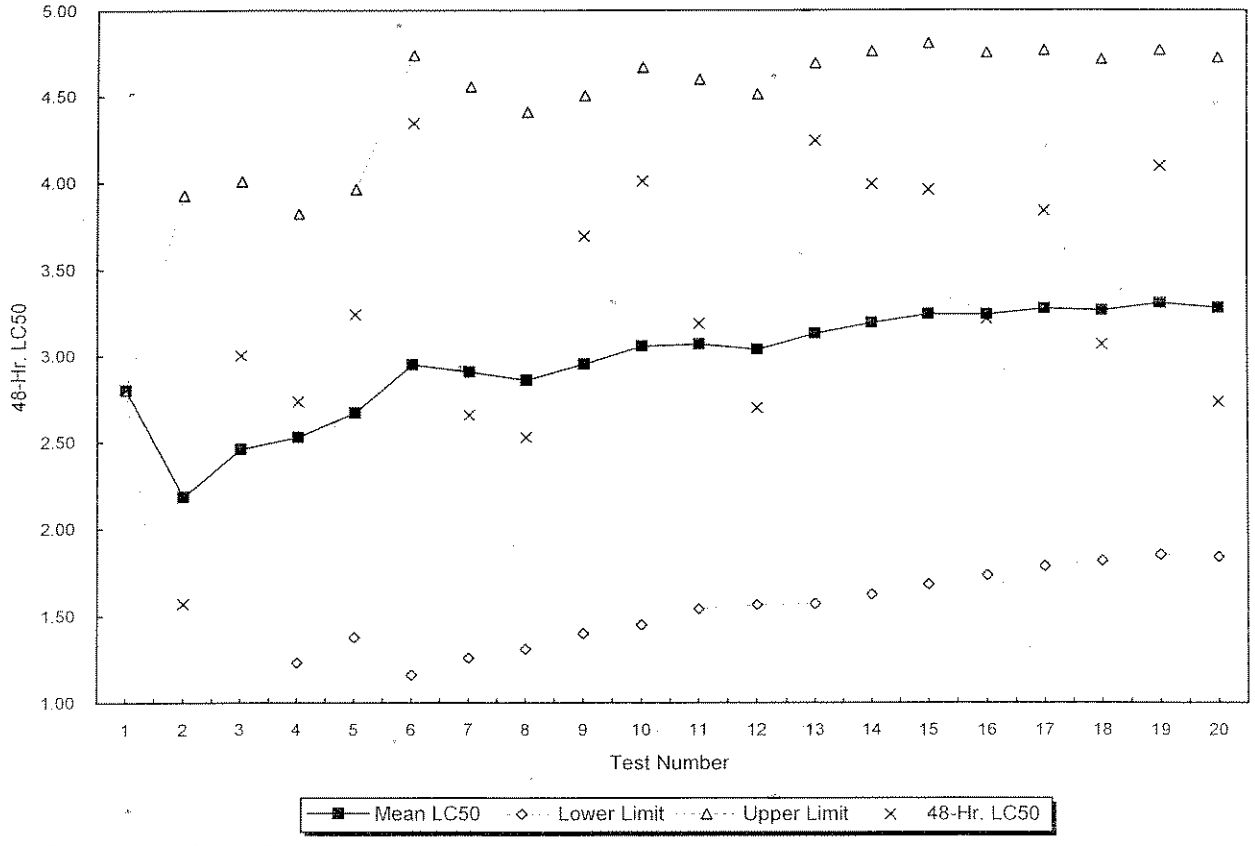
Comments:

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	06/10/98	1	2.801	2.80	2.80	2.80	Aquatec Biological Sciences
2	09/17/98	1	1.57	2.19	0.44	3.93	Aquatec Biological Sciences
3	12/15/98	1	3.002	2.46	0.91	4.01	Aquatec Biological Sciences
4	10/08/05	1	2.733	2.53	1.23	3.82	Aquatic BioSystems
5	10/11/05	1	3.241	2.67	1.38	3.96	Aquatic BioSystems
6	10/19/05	1	4.342	2.95	1.16	4.74	Aquatic BioSystems
7	11/02/05	1	2.655	2.91	1.26	4.55	Aquatec Biological Sciences
8	11/08/05	1	2.527	2.86	1.31	4.41	Aquatec Biological Sciences
9	12/07/05	1	3.693	2.95	1.40	4.50	Aquatec Biological Sciences
10	01/05/06	1	4.009	3.06	1.45	4.67	Aquatec Biological Sciences
11	02/08/06	1	3.189	3.07	1.54	4.60	Aquatec Biological Sciences
12	03/11/06	1	2.698	3.04	1.57	4.51	Aquatec Biological Sciences
13	04/06/06	1	4.243	3.13	1.57	4.69	Aquatec Biological Sciences
14	05/10/06	1	3.992	3.19	1.62	4.76	Aquatec Biological Sciences
15	06/07/06	1	3.959	3.24	1.68	4.81	Aquatec Biological Sciences
16	07/11/06	1	3.215	3.24	1.73	4.75	Aquatec Biological Sciences
17	08/08/06	1	3.839	3.28	1.79	4.77	Aquatec Biological Sciences
18	09/13/06	1	3.068	3.27	1.82	4.71	Aquatec Biological Sciences
19	10/11/06	1	4.098	3.31	1.85	4.77	Aquatec Biological Sciences
20	11/17/06	1	2.733	3.28	1.84	4.72	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

Standard Operating Procedure for Daphnid (*Ceriodaphnia dubia*, *Daphnia magna* and *Daphnia pulex*) Acute Toxicity Test NELAC METHODS / U.S. EPA METHODS 2002.0 AND 2021.0

1.0 IDENTIFICATION OF TEST METHOD

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

2.0 APPLICABLE MATRIX OR MATRICES

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

3.0 DETECTION LIMIT

Not applicable.

4.0 SCOPE AND APPLICATION

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

5.0 SUMMARY OF TEST METHOD

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

6.0 DEFINITIONS

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

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

7.0 INTERFERENCES

Not applicable.

8.0 SAFETY

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

9.0 EQUIPMENT AND SUPPLIES

Calibrated Instrumentation and Water Quality Apparatus:

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

Additional Equipment:

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

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

10.0 REAGENTS AND STANDARDS

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

11.0 SAMPLE COLLECTION, PRESERVATION, SHIPMENT, AND STORAGE

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

12.0 QUALITY CONTROL

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

13.0 CALIBRATION AND STANDARDIZATION

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

14.0 PROCEDURE

14.1 Test System and Conditions

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

14.2 Test Organisms

Procurement and Documentation

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

Evaluation of Daphnid Condition and Acclimation

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

Ordinarily, *C. dubia* neonates are maintained in laboratory water (1:1 mix of Lamoille River water and moderately hard water) up until the time of test initiation. *D. magna* neonates are maintained in hard water while *D. pulex* neonates are maintained in moderately hard water. The temperature of the neonate stock must be maintained at 25 ± 1^{O}C or (20 ± 1^{O}C). Return parent stock females

from the neonate cups to the source batch culture. *Ceriodaphnia dubia* are cultured in individual culture cups (one organism per cup) maintained at 25 ± 1°C.

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

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

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

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

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

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

pH - acceptable range, 6.0-9.0

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

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

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

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

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

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

Prepare and distribute test organisms

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

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

Aeration
Do not aerate daphnid acute tests.

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

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

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

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

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

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

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

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

Daphnid survival (end of test)
For each replicate, determine the number of live daphnids remaining and record the results in the appropriate data box of the daphnid acute data form. A daphnid is scored as "alive" if any activity

or self-propelled movement is observed. If necessary, examine organisms under a dissecting microscope to determine the number surviving.

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

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

15.0 CALCULATIONS

The 48-h LC50 (or 96-h) and A-NOEC (if required) are calculated using the TOXIS2 software program. Enter the test data into the TOXIS2 template prepared for each client. Run the statistical program for the EPA Acute Toxicity Test flow chart (EPA-821-R-02-012 Section 11 Figures 12 and 13) and print the entered test data and the statistical results. Check the entered data against the original hand-written test data and record the date and initials. Place the statistical printouts in the project folder (by SDG) and return the folder with all paperwork to the project holding file.

16.0 METHOD PERFORMANCE

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

17.0 POLLUTION PREVENTION

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

18.0 DATA ASSESSMENT AND ACCEPTANCE CRITERIA FOR QUALITY CONTROL MEASURES

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

19.0 CORRECTIVE ACTIONS FOR OUT-OF-CONTROL DATA

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

20.0 CONTINGENCIES FOR HANDLING OUT-OF-CONTROL OR UNACCEPTABLE DATA

Analysts experiencing and "out-of-control" event (e.g., test replicate spills, test solutions improperly prepared, test temperatures out of target range, etc.) should note the event on the bench sheet and also notify the Laboratory Manager or Laboratory Director. A decision will be made by the Laboratory Manager or Laboratory Director as to whether to continue the test (with the appropriate qualifier) or whether to terminate the test. If the test is terminated, the client should be notified so that re-sampling and re-testing can be scheduled as soon as possible.

21.0 WASTE MANAGEMENT

See 17.0 above.

22.0 REFERENCES

The test procedure is based upon the guidelines outlined in EPA-821-R-02-012, *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms* (5th Ed.). Regional guidelines may require in slight modifications of the test protocol (e.g., solution renewals, test duration, target test temperature).

23.0 TABLES, DIAGRAMS, FLOW CHARTS, AND VALIDATION DATA

Refer to Tables 12 and 13 (pp. 51 – 54 of EPA-821-R-02-012) and the EPA Statistical Flow Chart, Figures 12 and 13 of EPA-821-R-02-012 Section 11 and related discussions within that document.

24.0 TRAINING

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

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

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

Approvals:

Laboratory Manager:	Date:

APPENDIX 2

Laboratory Reports

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

NPDES Sampling
GE Pittsfield
Toxicity pH

Date: 11/17/06

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

Effluent Composite
Sample # A7710C
Date 11-17-06
Time 11:05AM
pH 7.11 su

River/Dilution Water
Sample # A7711R
Date 11-17-06
Time 9:25AM
pH 7.61 su

C. Coy
Signed & Dated

COLUMBIA ANALYTICAL SERVICES

Reported: 11/30/06

General Electric
Project Reference: GE-PITTSFIELD BIOMONITORING - 11/06
Client Sample ID : A7710CDM

Date Sampled : 11/17/06 11:05 **Order #:** 954662 **Sample Matrix:** WATER
Date Received: 11/18/06 **Submission #:** R2634718

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	11/21/06	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	11/21/06	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	11/21/06	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	11/21/06	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	11/21/06	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	11/21/06	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	11/21/06	1.0
ZINC	200.7	0.0200	0.0302	MG/L	11/21/06	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 11/30/06

General Electric
Project Reference: GE-PITTSFIELD BIOMONITORING - 11/06
Client Sample ID : A7710CTM

Date Sampled : 11/17/06 11:05 **Order #:** 954663 **Sample Matrix:** WATER
Date Received: 11/18/06 **Submission #:** R2634718

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.167	MG/L	11/21/06	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	11/21/06	1.0
CALCIUM	200.7	1.00	61.2	MG/L	11/21/06	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	11/21/06	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	11/21/06	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	11/21/06	1.0
MAGNESIUM	200.7	1.00	24.8	MG/L	11/21/06	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	11/21/06	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	11/21/06	1.0
ZINC	200.7	0.0200	0.0377	MG/L	11/21/06	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 11/30/06

General Electric
Project Reference: GE-PITTSFIELD BIOMONITORING - 11/06
Client Sample ID : A7711RTM

Date Sampled : 11/17/06 09:25 **Order #:** 954664 **Sample Matrix:** WATER
Date Received: 11/18/06 **Submission #:** R2634718

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.106	MG/L	11/21/06	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	11/21/06	1.0
CALCIUM	200.7	1.00	9.96	MG/L	11/21/06	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	11/21/06	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	11/21/06	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	11/21/06	1.0
MAGNESIUM	200.7	1.00	3.70	MG/L	11/21/06	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	11/21/06	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	11/21/06	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	11/21/06	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 11/30/06

General Electric
Project Reference: GE-PITTSFIELD BIOMONITORING - 11/06
Client Sample ID : A7711R

Date Sampled : 11/17/06 09:25 **Order #:** 954660 **Sample Matrix:** WATER
Date Received: 11/18/06 **Submission #:** R2634718

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
AMMONIA	350.1	0.0500	0.0500 U	MG/L	11/28/06	10:49	1.0
CHLORIDE	300.0	0.200	8.03	MG/L	11/27/06	15:02	10.0
TOTAL ALKALINITY	310.1	2.00	36.0	MG/L	11/27/06	09:30	1.0
TOTAL ORGANIC CARBON	9060	1.00	4.84	MG/L	11/23/06	00:21	1.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0500 U	MG/L	11/27/06	16:10	1.0
TOTAL SOLIDS	160.3	10.0	77.0	MG/L	11/22/06	16:40	1.0
TOTAL SUSPENDED SOLIDS	160.2	1.00	1.20	MG/L	11/21/06	15:35	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 11/30/06

General Electric
Project Reference: GE-PITTSFIELD BIOMONITORING - 11/06
Client Sample ID : A7710C

Date Sampled : 11/17/06 11:05 **Order #:** 954661 **Sample Matrix:** WATER
Date Received: 11/18/06 **Submission #:** R2634718

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
AMMONIA	350.1	0.0500	0.146	MG/L	11/28/06	10:49	1.0
CHLORIDE	300.0	0.200	121	MG/L	11/27/06	15:16	40.0
TOTAL ALKALINITY	310.1	2.00	231	MG/L	11/27/06	09:30	1.0
TOTAL ORGANIC CARBON	9060	1.00	4.87	MG/L	11/23/06	02:15	1.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0854	MG/L	11/27/06	16:10	1.0
TOTAL SOLIDS	160.3	10.0	478	MG/L	11/22/06	16:40	1.0
TOTAL SUSPENDED SOLIDS	160.2	1.00	6.90	MG/L	11/21/06	15:35	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 11/30/06

General Electric
Project Reference: GE-PITTSFIELD BIOMONITORING - 11/06
Client Sample ID : A8811RCN

Date Sampled : 11/17/06 09:25 **Order #:** 954665 **Sample Matrix:** WATER
Date Received: 11/18/06 **Submission #:** R2634718

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	11/28/06	09:44	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 11/30/06

General Electric
Project Reference: GE-PITTSFIELD BIOMONITORING - 11/06
Client Sample ID : A7710CCN

Date Sampled : 11/17/06 11:05 **Order #:** 954666 **Sample Matrix:** WATER
Date Received: 11/18/06 **Submission #:** R2634718

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0149	MG/L	11/28/06	09:44	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

SR #

CAS Contact

Project Name: NPDES PERMIT	Project Number:
Project Manager: J. NICHOLSON	Report CC:
Company/Address: GE CCP, 159 PLASTICS AVE, BLDG 59, PITTSFIELD, MA 01201	
Phone #: (413) 448-5915	FAX#: (413) 448-5975
Sampler's Signature: C. Coyle	Sampler's Printed Name: SEAN C. COYLE

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL(10) EPA 200.7 (List in comments below)	METALS, DISSOLVED(2) EPA 200.7 (List in comments below)	CYANIDE EPA 335.4	TSS EPA 160.2	CHLORIDE & TOTAL SOLIDS	REMARKS/ ALTERNATE DESCRIPTION
PRESERVATIVE											2	2	4	Ø	Ø	
A7710CTM	954663	11/17/06	11:05a	H2O	1						X					
A7711RTM	954664	↓	9:25a	↓	1						X					FILTERED & PRESERVED
A7710CDM	954662		11:05a		1							X				
A7710CCN	954666		11:05a		1								X			
A7711RCN (~~CCN~~)	954665		9:25a		1								X			
A7710C	954661		11:05a		1									X		
A7711R	954660		9:25a		1									X		
A7710C	954661		11:05a		1										X	
A7711R	954660	↓	9:25a	↓	1										X	

CMS 11/20/06 per call from Sean Coyle

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

SPECIAL INSTRUCTIONS/COMMENTS
Metals
- (10) TOTAL METALS & DISSOLVED METALS LISTED ON SAMPLE BOTTLES
- SAMPLES PACKED IN ICE.
- PHOTOCOPIES OF TOX pH SHEET & TOX COMPOSITE SHEET INCL. W/ THESE (2) COC'S

Date/Time of collection per call from client 11/20/06 CJ

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 #: R2634718

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: Heather Lavigne	Signature	Signature	Signature	Signature
Printed Name: SEAN C COYLE	Printed Name: Heather Lavigne	Printed Name	Printed Name	Printed Name	Printed Name
Firm: OBL	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 11-17-06 / 2:00pm	Date/Time: 11/18/06 945	Date/Time	Date/Time	Date/Time	Date/Time

SCOC-1102-08

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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

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

PAGE 2 OF 2

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)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

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 PHOSPHORUS	NH3	TOC	ALKALINITY	REMARKS/ ALTERNATE DESCRIPTION
A7710C	954661	11/17/06	11:05a	H2O	1								X				
A7711R	954660		9:25a		1								X				
A7710C	954661		11:05a		1									X			
A7711R	954660		9:25a		1									X			
A7710C	954661		11:05a		1										X		
A7711R	954660		9:25a		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 #: R263418

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
C. Coyle					
Signature: SEAN C. COYLE	Signature: Heather Lovejoy	Signature	Signature	Signature	Signature
Printed Name: GE	Printed Name: Heather Lovejoy	Printed Name	Printed Name	Printed Name	Printed Name
Firm: 11.17.06 / 2:00pm	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time	Date/Time: 11/18/06 945	Date/Time	Date/Time	Date/Time	Date/Time

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client GE Pittsfield Submission Number _____

Cooler received on 11/18/06 by: DM **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 2			
	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: 11/18/06 1000

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: CS 11/20/06

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	COMPANY'S PROJECT INFORMATION	SHIPPING INFORMATION
Name: General Electric Company	Project Name: GE PITTSFIELD	Carrier: AQUATEC
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): SEAN C. COYLE	
Telephone: (413) 494-6709	NPDES Permit #: MA0003891	Date Shipped:
Facsimile: (413) 494-7052		
Contact Name: ~~Mark Wasnewsky~~ SEAN COYLE	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: 4°C Plastic 1 gal	4°C Plastic 1/2 gal	4°C H_2SO_4 Plastic 1 L	4°C H_2SO_4 Glass 40 ml	4°C Glass 40 mL	4°C HNO_3 Plastic 0.5 L
Outfall Composite A7710C	11.17.06	AM 11:05		X	Effluent	*Daphnia pulex* 48-h Static Acute Toxicity (EPA Method 2021.0). Log in for A48DPS	1					
Outfall Composite A7710C	11.17.06	05 11 AM		X	Effluent	Total Residual Chlorine					1	
Housatonic River A7711R	11.17.06	25 9 AM	X		Receiving	Dilution Water	1					
Housatonic River A7711R	11.17.06	25 9 AM	X		Receiving	Total Residual Chlorine					1	

Relinquished by: *(signature)*	DATE	TIME	Received by: *(signature)*
C. Coyle	11.17.06	12:05 PM	
Relinquished by: *(signature)*	DATE	TIME	Received by: *(signature)*
	11-17-06	15:45	
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: 2.6°C. Dechlorinate the effluent sample if chlorine is detected.

11/17/2006

ACUTE AQUATIC TOXICITY COMPOSITE

Month: NOV
Week: 3
Fiscal Wk: 46
Weather: WET

	Gallons/Day	Ml in Composite	Percent of Composite
001	449,760	7,204.65	68.62%
004	0	-	0.00%
007	0	-	0.00%
64T	63,846	1,022.74	9.74%
64G	140,970	2,258.18	21.51%
09A	0	-	0.00%
09B	901	14.43	0.14%
	655,477	10500	100.00%

The Acute Toxicity Composite was made today by SEAN C. COYLE **@** 11:05 AM

according to the table above, and given the sample ID# A7710C.

Chain-of-Custody Form Number: OBG-111706

Analysis: TOXICITY COMPOSITE

~~Location~~ TIME: 11:05 AM Date: 11-17-06

Sample Label Serial Number A 7710

C. Coyle
Signed

11-17-06
Date