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

Transmitted via Overnight Courier

March 9, 2004

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

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

Re: **GE-Pittsfield/Housatonic River Site**
Monthly Status Report Pursuant to Consent Decree for February 2004 (GECD900)

Dear Mr. Nalipinski and Ms. Steenstrup:

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

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

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

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

Sincerely,

John F. Novotny / cts

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

Enclosures
V:\GE_Pittsfield_General\Reports\Monthly Reports\2004\02-04 CD Monthly\cover-ltr.doc

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

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

FEBUARY 2004

MONTHLY STATUS REPORT

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

GENERAL ELECTRIC COMPANY

PITTSFIELD, MASSACHUSETTS

Background

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

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

General Activities (GECD900)

GE Plant Area (non-groundwater)

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

Former Oxbow Areas (non-groundwater)

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

Housatonic River

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

Housatonic River Floodplain

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

Other Areas

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

Groundwater Management Areas (GMAs)

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

GENERAL ACTIVITIES
GE-PITTSFIELD/HOUSATONIC RIVER SITE
(GECD900)
FEBRUARY 2004

a. Activities Undertaken/Completed

- Attended Pittsfield Citizens Coordinating Council (CCC) meeting (February 4, 2004).

- 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 January 1 through January 31, 2004. Copies are provided in Attachment B to this report.

- A report titled *Toxicity Evaluation of Wastewaters Discharged from the General Electric Plant; Pittsfield, Massachusetts (Samples Collected in February 2004)* was prepared for GE by CT&E Environmental Services, Inc (CT&E). A copy of that report is provided in Attachment C.

c. Work Plans/Reports/Documents Submitted

None

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

- Attend public, CCC, and Pittsfield Economic Development Authority (PEDA) meetings as appropriate.*

- Continue NPDES sampling and monitoring activities.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

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

a. Activities Undertaken/Completed

- Continued discussions with EPA, MDEP, and PEDA regarding Grants of Environmental Restrictions and Easements (EREs) for the 20s and 30s Complexes.*

- Initiated pre-demolition activities at Buildings 42, 43, and 44.

- Performed building material characterization sampling at Buildings 42 and 44.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted letter to EPA outlining GE's demolition and disposition activities for Building 40B (February 19, 2004).

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

- Continue discussions with EPA, MDEP, and PEDA regarding EREs for the 20s and 30s Complexes and other land transfer issues.*

- Continue pre-demolition activities (including asbestos abatement) at Buildings 42, 43, and 44.

- Initiate demolition activities at Building 40B following EPA approval of planned disposition of demolition debris (submitted February 19, 2004).

- Submit proposal for supplemental soil sampling within 30s Complex to facilitate future planning and redevelopment of the complex by PEDA. Following EPA approval, initiate sampling activities.

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 FEBRUARY 2004

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
40's Complex Sampling	40s-C0640	2/24/04	Paint	CT&E	TCLP-Metals	
40's Complex Sampling	40s-C0641	2/24/04	Paint	CT&E	TCLP-Metals	
Building 42 Building Material Sampling	42-1-CB-7	1/30/04	Concrete	CT&E	PCB	2/6/04
Building 42 Building Material Sampling	42-1-CC-2	1/29/04	Concrete	CT&E	PCB	2/6/04
Building 42 Building Material Sampling	42-1-CC-3	1/30/04	Concrete	CT&E	PCB	2/6/04
Building 42 Building Material Sampling	42-1-CC-4	1/30/04	Concrete	CT&E	PCB	2/6/04
Building 42 Building Material Sampling	42-1-CC-5	1/30/04	Concrete	CT&E	PCB	2/6/04
Building 42 Building Material Sampling	42-1-CW-1	1/29/04	Concrete	CT&E	PCB	2/6/04
Building 42 Building Material Sampling	42-1-CW-6	1/30/04	Concrete	CT&E	PCB	2/6/04
Building 42 Building Material Sampling	42-1-CW-8	1/30/04	Concrete	CT&E	PCB	2/6/04
Building 42 Building Material Sampling	42-1-DUP-1 (42-1-CC-3)	1/30/04	Concrete	CT&E	PCB	2/6/04
Building 44 Building Material Sampling	44-1-CB-1	1/29/04	Concrete	CT&E	PCB	2/6/04
Building 44 Building Material Sampling	44-1-CC-2	1/29/04	Concrete	CT&E	PCB	2/6/04
Building 44 Building Material Sampling	44-1-CC-3	1/29/04	Concrete	CT&E	PCB	2/6/04
Building 44 Building Material Sampling	44-1-CW-4	1/29/04	Concrete	CT&E	PCB	2/6/04
Building 44 Building Material Sampling	44-1-CW-5	1/29/04	Concrete	CT&E	PCB	2/6/04
Building 44 Building Material Sampling	44-1-CW-6	1/29/04	Concrete	CT&E	PCB	2/6/04
Building 44 Building Material Sampling	44-1-CW-7	1/29/04	Concrete	CT&E	PCB	2/6/04
Building 44 Building Material Sampling	44-1-DUP-1 (44-1-CW-4)	1/29/04	Concrete	CT&E	PCB	2/6/04
Building 44 Building Material Sampling	44-1-TCLP-C1	1/29/04	Concrete	CT&E	TCLP	2/6/04

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

TABLE 1-2
PCB DATA RECEIVED DURING FEBRUARY 2004

BUILDINGS 42 AND 44 BUILDING MATERIAL SAMPLING
20s, 30s, 40s COMPLEX
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
42-1-CB-7	1/30/2004	ND(0.33)	ND(0.33)	2.5	ND(0.33)	2.5
42-1-CC-2	1/29/2004	ND(0.17)	ND(0.17)	3.1	ND(0.17)	3.1
42-1-CC-3	1/30/2004	ND(0.33) [ND(1.7)]	ND(0.33) [ND(1.7)]	3.0 [42]	ND(0.33) [ND(1.7)]	3.0 [42]
42-1-CC-4	1/30/2004	ND(3.3)	ND(3.3)	18	ND(3.3)	18
42-1-CC-5	1/30/2004	ND(1.7)	ND(1.7)	24	ND(1.7)	24
42-1-CW-1	1/29/2004	ND(0.033)	ND(0.033)	0.42	ND(0.033)	0.42
42-1-CW-6	1/30/2004	ND(83)	ND(83)	690	ND(83)	690
42-1-CW-8	1/30/2004	ND(1.7)	ND(1.7)	30	ND(1.7)	30
44-1-CB-1	1/29/2004	ND(0.033)	0.068	1.0	ND(0.033)	1.07
44-1-CC-2	1/29/2004	ND(1.7)	ND(1.7)	5.0	ND(1.7)	5.0
44-1-CC-3	1/29/2004	ND(1.7)	ND(1.7)	10	ND(1.7)	10
44-1-CW-4	1/29/2004	ND(1.7) [ND(0.17)]	ND(1.7) [ND(0.17)]	5.4 [2.2]	ND(1.7) [ND(0.17)]	5.4 [2.2]
44-1-CW-5	1/29/2004	ND(3.3)	ND(3.3)	42	ND(3.3)	42
44-1-CW-6	1/29/2004	ND(3.3)	ND(3.3)	20	ND(3.3)	20
44-1-CW-7	1/29/2004	ND(3.3)	ND(3.3)	18	ND(3.3)	18

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

TABLE 1-3
TCLP DATA RECEIVED DURING FEBRUARY 2004

BUILDING 44 BUILDING MATERIAL SAMPLING
20s, 30s, 40s COMPLEX
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	44-1-TCLP-C1 1/29/2004
Volatile Organics		
1,1-Dichloroethene	0.7	ND(0.10)
1,2-Dichloroethane	0.5	ND(0.10)
2-Butanone	200	ND(0.20)
Benzene	0.5	ND(0.10)
Carbon Tetrachloride	0.5	ND(0.10)
Chlorobenzene	100	ND(0.10)
Chloroform	6	ND(0.10)
Tetrachloroethene	0.7	ND(0.10)
Trichloroethene	0.5	ND(0.10)
Vinyl Chloride	0.2	ND(0.10)
Semivolatile Organics		
1,4-Dichlorobenzene	7.5	ND(0.050)
2,4,5-Trichlorophenol	400	ND(0.050)
2,4,6-Trichlorophenol	2	ND(0.050)
2,4-Dinitrotoluene	0.13	ND(0.050)
Cresol	200	ND(0.050)
Hexachlorobenzene	0.13	ND(0.050)
Hexachlorobutadiene	0.5	ND(0.050)
Hexachloroethane	3	ND(0.050)
Nitrobenzene	2	ND(0.050)
Pentachlorophenol	100	ND(0.050)
Pyridine	5	ND(0.050)
Organochlorine Pesticides		
Endrin	0.02	ND(1.5)
Gamma-BHC (Lindane)	0.4	ND(0.75)
Heptachlor	0.008	ND(0.75)
Heptachlor Epoxide	0.008	ND(0.75)
Methoxychlor	10	ND(7.5)
Technical Chlordane	0.03	ND(12)
Toxaphene	0.5	ND(12)
Herbicides		
2,4,5-TP	1	ND(0.010)
2,4-D	10	ND(0.010)
Inorganics		
Arsenic	5	ND(0.100)
Barium	100	0.270
Cadmium	1	ND(0.0200)
Chromium	5	0.0130 B
Lead	5	ND(0.100)
Mercury	0.2	ND(0.00200)
Selenium	1	0.00930 B
Silver	5	ND(0.0200)

Notes:

1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of TCLP constituents.
2. ND - Analyte was not detected. The number in parentheses 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 2
PLANT AREA
EAST STREET AREA 2 - SOUTH
(GECD150)
FEBRUARY 2004

a. Activities Undertaken/Completed

- Conducted Liquid Phase Carbon Absorption (LPCA) process water sampling at Building 64G.
- Performed sludge sampling at Building 64T.
- Performed building characterization sampling at Buildings 62 and 66 (chip bin).
- Performed other miscellaneous sampling, as identified in Table 2-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted Addendum to Supplemental Pre-Design Investigation Report (February 12, 2004).*

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

- Continue to conduct routine process sampling at Buildings 64G and 64T.
- Complete field construction activities (track surfacing) at the Future City Recreational Area (FCRA) in spring 2004.*
- Submit draft ERE for FCRA.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Building 62 Material Sampling	62-1-BW-1	2/10/04	Concrete	CT&E	PCB	2/18/04
Building 62 Material Sampling	62-1-BW-2	2/10/04	Concrete	CT&E	PCB	2/18/04
Building 62 Material Sampling	62-1-BW-3	2/10/04	Concrete	CT&E	PCB	2/18/04
Building 62 Material Sampling	62-1-TCLP-C1	2/10/04	Concrete	CT&E	TCLP	2/18/04
Building 64G Liquid Phase Carbon Sampling	64G-LPC-NW-1	1/27/04	Carbon	CT&E	PCB, VOC, SVOC, Metals, CN, TCLP	2/2/04
Building 64T Sludge Sampling	B4-64T-01	2/2/04	Sludge	CT&E	PCB	2/6/04
Building 66 Chip Bin Silo Sampling	66-1-CW-1	2/10/04	Concrete	CT&E	PCB	2/18/04
Building 66 Chip Bin Silo Sampling	66-1-TCLP-C1	2/10/04	Concrete	CT&E	TCLP	2/18/04
Clean Harbors Roll-Off Box Wipe Sampling	2743-RW1	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	2743-RW2	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	2743-RW3	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	2743-RW4	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	A679-20-W1	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	A679-20-W10	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	A679-20-W2	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	A679-20-W3	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	A679-20-W4	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	A679-20-W5	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	A679-20-W6	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	A679-20-W7	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	A679-20-W8	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	A679-20-W9	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	R3109-RW1	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	R3109-RW2	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	R3109-RW3	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	R3109-RW4	2/13/04	Wipe	CT&E	PCB	12/19/04
Clean Harbors Roll-Off Box Wipe Sampling	R3109-RW5	2/13/04	Wipe	CT&E	PCB	12/19/04

TABLE 2-2
DATA RECEIVED DURING FEBRUARY 2004

BUILDING 64G LIQUID PHASE CARBON SAMPLING
EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	64G-LPC-NW-1 01/27/04
Volatile Organics	
1,1-Dichloroethane	0.031
1,1-Dichloroethene	0.032
1,2-Dichloroethene (total)	0.094
2-Hexanone	0.030
Acetone	0.068
Benzene	0.048
Chlorobenzene	0.18
Chloroform	0.027
Ethylbenzene	0.053
Styrene	0.035
Tetrachloroethene	0.034
Toluene	0.032
Trichloroethene	0.035
Xylenes (total)	0.18
PCBs	
Aroclor-1254	1.3
Aroclor-1260	0.23
Total PCBs	1.53
Semivolatile Organics	
1,2,4-Trichlorobenzene	18
1,2-Dichlorobenzene	2.0 J
1,3-Dichlorobenzene	28
1,4-Dichlorobenzene	81
2-Methylnaphthalene	17
Acenaphthene	80
Acenaphthylene	4.8
Anthracene	2.2
Dibenzofuran	1.3 J
Fluoranthene	1.7 J
Fluorene	7.5
Naphthalene	99
Phenanthrene	3.5
Pyrene	1.6 J
Inorganics	
Arsenic	6.50
Barium	210
Chromium	2.50
Cyanide	17.0
Lead	0.910
Selenium	0.540 B
Silver	0.390 B

Notes:

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

Data Qualifiers:

Organics (PCBs, volatiles, semivolatiles)

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

Inorganics

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

TABLE 2-3
TCLP DATA RECEIVED DURING FEBRUARY 2004

BUILDING 64G LIQUID PHASE CARBON SAMPLING
EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	64G-LPC-NW-1 1/27/2004
Volatile Organics		
1,1-Dichloroethene	0.7	ND(0.10)
1,2-Dichloroethane	0.5	ND(0.10)
2-Butanone	200	ND(0.20)
Benzene	0.5	ND(0.10)
Carbon Tetrachloride	0.5	ND(0.10)
Chlorobenzene	100	0.029 J
Chloroform	6	ND(0.10)
Tetrachloroethene	0.7	ND(0.10)
Trichloroethene	0.5	ND(0.10)
Vinyl Chloride	0.2	ND(0.10)
Semivolatile Organics		
1,4-Dichlorobenzene	7.5	ND(0.050)
2,4,5-Trichlorophenol	400	ND(0.050)
2,4,6-Trichlorophenol	2	ND(0.050)
2,4-Dinitrotoluene	0.13	ND(0.050)
Cresol	200	ND(0.050)
Hexachlorobenzene	0.13	ND(0.050)
Hexachlorobutadiene	0.5	ND(0.050)
Hexachloroethane	3	ND(0.050)
Nitrobenzene	2	ND(0.050)
Pentachlorophenol	100	ND(0.050)
Pyridine	5	ND(0.050)
Inorganics		
Arsenic	5	ND(0.100)
Barium	100	1.60
Cadmium	1	ND(0.0200)
Chromium	5	0.00200 B
Lead	5	0.00360 B
Mercury	0.2	ND(0.00200)
Selenium	1	ND(0.200)
Silver	5	ND(0.0200)

Notes:
1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles, metals and TCLP constituents.
2. Please refer to Table 2-2 for a summary of PCBs, volatiles, semivolatiles and metals.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

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 practical quantitation limit (PQL).

TABLE 2-4
PCB DATA RECEIVED DURING FEBRUARY 2004

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

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
B4-64T-01	2/2/2004	ND(3.3)	25	18	43

Notes:

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

TABLE 2-5
PCB DATA RECEIVED DURING FEBRUARY 2004

BUILDING 62 BUILDING MATERIAL SAMPLING
EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
62-1-BW-1	2/10/2004	ND(0.033)	0.50	0.26	0.76
62-1-BW-2	2/10/2004	ND(0.033)	0.18	0.084	0.264
62-1-BW-3	2/10/2004	ND(0.033)	0.76	0.44	1.2

Notes:

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

TABLE 2-6
TCLP DATA RECEIVED DURING FEBRUARY 2004

BUILDING 62 BUILDING MATERIAL SAMPLING
EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	62-1-TCLP-C1 2/10/2004
Volatile Organics		
1,1-Dichloroethene	0.7	ND(0.10)
1,2-Dichloroethane	0.5	ND(0.10)
2-Butanone	200	ND(0.20)
Benzene	0.5	ND(0.10)
Carbon Tetrachloride	0.5	ND(0.10)
Chlorobenzene	100	ND(0.10)
Chloroform	6	ND(0.10)
Tetrachloroethene	0.7	ND(0.10)
Trichloroethene	0.5	ND(0.10)
Vinyl Chloride	0.2	ND(0.10)
Semivolatile Organics		
1,4-Dichlorobenzene	7.5	ND(0.050)
2,4,5-Trichlorophenol	400	ND(0.050)
2,4,6-Trichlorophenol	2	ND(0.050)
2,4-Dinitrotoluene	0.13	ND(0.050)
Cresol	200	ND(0.050)
Hexachlorobenzene	0.13	ND(0.050)
Hexachlorobutadiene	0.5	ND(0.050)
Hexachloroethane	3	ND(0.050)
Nitrobenzene	2	ND(0.050)
Pentachlorophenol	100	ND(0.050)
Pyridine	5	ND(0.050)
Organochlorine Pesticides		
Endrin	0.02	ND(0.0015)
Gamma-BHC (Lindane)	0.4	ND(0.0025)
Heptachlor	0.008	ND(0.0020)
Heptachlor Epoxide	0.008	ND(0.0020)
Methoxychlor	10	ND(0.040)
Technical Chlordane	0.03	ND(0.012)
Toxaphene	0.5	ND(0.050)
Herbicides		
2,4,5-TP	1	ND(0.010)
2,4-D	10	ND(0.010)
Inorganics		
Arsenic	5	ND(0.100)
Barium	100	0.420
Cadmium	1	ND(0.0200)
Chromium	5	0.0300 B
Lead	5	0.00460 B
Mercury	0.2	ND(0.00200)
Selenium	1	0.0110 B
Silver	5	ND(0.0200)

Notes:

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

Data Qualifiers:

Inorganics

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

TABLE 2-7
PCB DATA RECEIVED DURING FEBRUARY 2004

BUILDING 66 CHIP BIN SILO SAMPLING
EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
66-1-CW-1	2/10/2004	ND(0.033)	0.040	ND(0.033)	0.040

Notes:

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

TABLE 2-8
TCLP DATA RECEIVED DURING FEBRUARY 2004

BUILDING 66 CHIP BIN SILO SAMPLING
EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	66-1-TCLP-C1 2/10/2004
Volatile Organics		
1,1-Dichloroethene	0.7	ND(0.10)
1,2-Dichloroethane	0.5	ND(0.10)
2-Butanone	200	ND(0.20)
Benzene	0.5	ND(0.10)
Carbon Tetrachloride	0.5	ND(0.10)
Chlorobenzene	100	ND(0.10)
Chloroform	6	ND(0.10)
Tetrachloroethene	0.7	ND(0.10)
Trichloroethene	0.5	ND(0.10)
Vinyl Chloride	0.2	ND(0.10)
Semivolatile Organics		
1,4-Dichlorobenzene	7.5	ND(0.050)
2,4,5-Trichlorophenol	400	ND(0.050)
2,4,6-Trichlorophenol	2	ND(0.050)
2,4-Dinitrotoluene	0.13	ND(0.050)
Cresol	200	ND(0.050)
Hexachlorobenzene	0.13	ND(0.050)
Hexachlorobutadiene	0.5	ND(0.050)
Hexachloroethane	3	ND(0.050)
Nitrobenzene	2	ND(0.050)
Pentachlorophenol	100	ND(0.050)
Pyridine	5	ND(0.050)
Organochlorine Pesticides		
Endrin	0.02	ND(0.0015)
Gamma-BHC (Lindane)	0.4	ND(0.0025)
Heptachlor	0.008	ND(0.0020)
Heptachlor Epoxide	0.008	ND(0.0020)
Methoxychlor	10	ND(0.040)
Technical Chlordane	0.03	ND(0.012)
Toxaphene	0.5	ND(0.050)
Herbicides		
2,4,5-TP	1	ND(0.010)
2,4-D	10	ND(0.010)
Inorganics		
Arsenic	5	0.00830 B
Barium	100	0.300
Cadmium	1	ND(0.0200)
Chromium	5	0.0980
Lead	5	ND(0.100)
Mercury	0.2	ND(0.00200)
Selenium	1	0.00910 B
Silver	5	ND(0.0200)

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

Data Qualifiers:

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

TABLE 2-9
PCB DATA RECEIVED DURING FEBRUARY 2004

CLEAN HARBORS ROLL-OFF BOX 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, -1221, -1232, -1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
2743-RW1	2/13/2004	ND(1.0)	ND(1.0)	5.8	4.9	10.7
2743-RW2	2/13/2004	ND(1.0)	ND(1.0)	4.5	3.7	8.2
2743-RW3	2/13/2004	ND(1.0)	ND(1.0)	6.5	4.8	11.3
2743-RW4	2/13/2004	ND(1.0)	ND(1.0)	5.0	3.9	8.9
A679-20-W1	2/13/2004	ND(1.0)	ND(1.0)	12	6.0	18
A679-20-W2	2/13/2004	ND(1.0)	ND(1.0)	11	ND(1.0)	11
A679-20-W3	2/13/2004	ND(1.0)	ND(1.0)	16	ND(1.0)	16
A679-20-W4	2/13/2004	ND(1.0)	ND(1.0)	7.2	2.0	9.2
A679-20-W5	2/13/2004	ND(1.0)	ND(1.0)	6.0	2.4	8.4
A679-20-W6	2/13/2004	ND(1.0)	5.7	6.3	5.4	17.4
A679-20-W7	2/13/2004	ND(1.0)	7.2	6.9	5.6	19.7
A679-20-W8	2/13/2004	ND(1.0)	10	10	7.6	27.6
A679-20-W9	2/13/2004	ND(1.0)	10	9.5	8.0	27.5
A679-20-W10	2/13/2004	ND(1.0)	ND(1.0)	5.4	3.0	8.4
R3109-RW1	2/13/2004	ND(1.0)	ND(1.0)	2.0	1.6	3.6
R3109-RW2	2/13/2004	ND(1.0)	ND(1.0)	4.8	4.4	9.2
R3109-RW3	2/13/2004	ND(1.0)	ND(1.0)	11	12	23
R3109-RW4	2/13/2004	ND(1.0)	ND(1.0)	4.4	2.3	6.7
R3109-RW5	2/13/2004	ND(1.0)	ND(1.0)	1.9	2.0	3.9

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

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

a. Activities Undertaken/Completed

- Continued pre-design soil investigation activities.*
- Conducted miscellaneous sampling, as identified in Table 3-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

Continue pre-design investigation sampling.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

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

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

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Building 19 Stock Pile Sampling	19-012804-1	1/28/04	NA	Soil	CT&E	PCB	2/2/04
Building 19 Stock Pile Sampling	19-012804-2	1/28/04	NA	Soil	CT&E	PCB	2/2/04
Building 19 Stock Pile Sampling	19-012804-3	1/28/04	NA	Soil	CT&E	PCB	2/2/04
Building 19 Stock Pile Sampling	19-012804-4	1/28/04	NA	Soil	CT&E	PCB	2/2/04
Building 19 Stock Pile Sampling	19-012804-5	1/28/04	NA	Soil	CT&E	PCB	2/2/04
Building 19 Stock Pile Sampling	19-012804-6	1/28/04	NA	Soil	CT&E	PCB	2/2/04
Building 19 Stock Pile Sampling	DUP-1 (19-012804-1)	1/28/04	NA	Soil	CT&E	PCB	2/2/04
Petricca Construction Bucket Wipe Sampling	PET-BUCKET-1-W1	1/23/04	NA	Wipe	CT&E	PCB	2/9/04
Petricca Construction Bucket Wipe Sampling	PET-BUCKET-1-W2	1/23/04	NA	Wipe	CT&E	PCB	2/9/04
Petricca Construction Bucket Wipe Sampling	PET-BUCKET-1-W3	1/23/04	NA	Wipe	CT&E	PCB	2/9/04
Petricca Construction Bucket Wipe Sampling	PET-BUCKET-2-W1	1/23/04	NA	Wipe	CT&E	PCB	2/9/04
Petricca Construction Bucket Wipe Sampling	PET-BUCKET-2-W2	1/23/04	NA	Wipe	CT&E	PCB	2/9/04
Petricca Construction Bucket Wipe Sampling	PET-BUCKET-2-W3	1/23/04	NA	Wipe	CT&E	PCB	2/9/04
Pre-Design Soil Investigation Sampling	RAA5-B02	2/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-B02	2/26/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-B02	2/26/04	1-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-B02	2/26/04	1-3	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA5-C2	2/25/04	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-C2	2/25/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-C2	2/25/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-C2	2/25/04	13-15	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA5-C5	2/27/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-C5	2/27/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-C5	2/27/04	1-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-C5	2/27/04	4-6	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA5-DUP-10 (RAA5-G18)	2/27/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-DUP-5 (RAA5-F30)	1/26/04	1-6	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-DUP-6 (RAA5-J16)	1/27/04	7-9	Soil	CT&E	VOC	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-DUP-7 (RAA5-J16)	1/27/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-DUP-8 (RAA5-E4)	2/16/04	1-6	Soil	CT&E	PCB	2/26/04
Pre-Design Soil Investigation Sampling	RAA5-DUP-9 (RAA5-I25)	2/25/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-E02	2/26/04	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-E02	2/26/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-E02	2/26/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-E22	1/21/04	1-6	Soil	CT&E	PCB	2/3/04
Pre-Design Soil Investigation Sampling	RAA5-E22	1/21/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	2/3/04
Pre-Design Soil Investigation Sampling	RAA5-E22	1/21/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	2/3/04
Pre-Design Soil Investigation Sampling	RAA5-E22	1/21/04	7-9	Soil	CT&E	VOC	2/3/04
Pre-Design Soil Investigation Sampling	RAA5-E32	2/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-E32	2/26/04	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-E32	2/26/04	6-13.5	Soil	CT&E	PCB	

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

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

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation Sampling	RAA5-E4	2/16/04	0-1	Soil	CT&E	PCB	2/26/04
Pre-Design Soil Investigation Sampling	RAA5-E4	2/16/04	1-6	Soil	CT&E	PCB	2/26/04
Pre-Design Soil Investigation Sampling	RAA5-E4	2/16/04	6-15	Soil	CT&E	PCB	2/26/04
Pre-Design Soil Investigation Sampling	RAA5-F02	2/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-F02	2/26/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics	
Pre-Design Soil Investigation Sampling	RAA5-F02	2/26/04	1-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-F02	2/26/04	1-3	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA5-F02	2/26/04	6-8	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA5-F27	2/24/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-F27	2/24/04	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-F27	2/24/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-F30	1/26/04	1-6	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-F30	1/26/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-F30	1/26/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-F30	1/26/04	13-15	Soil	CT&E	VOC	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-F9	1/28/04	0-1	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-F9	1/28/04	1-6	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-F9	1/28/04	6-15	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-G02	2/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-G02	2/26/04	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-G02	2/26/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-G12	1/27/04	6-15	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-G12	1/27/04	1-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-G12	1/27/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-G12	1/27/04	4-6	Soil	CT&E	VOC	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-G18	2/27/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-G18	2/27/04	1-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-G18	2/27/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-G18	2/27/04	4-6	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA5-G28	1/26/04	6-15	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-G28	1/26/04	1-6	Soil	CT&E	SVOC, Inorganics	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-G28	1/26/04	1-3	Soil	CT&E	VOC	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-G28	1/26/04	0-1	Soil	CT&E	VOC, SVOC, Inorganics, PCDD/PCDF	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-G3	2/16/04	1-6	Soil	CT&E	PCB	2/26/04
Pre-Design Soil Investigation Sampling	RAA5-G3	2/16/04	6-15	Soil	CT&E	PCB	2/26/04
Pre-Design Soil Investigation Sampling	RAA5-G3	2/16/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	2/26/04
Pre-Design Soil Investigation Sampling	RAA5-G31	1/26/04	1-6	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-G5	1/21/04	0-1	Soil	CT&E	PCB	2/3/04
Pre-Design Soil Investigation Sampling	RAA5-G5	1/21/04	6-15	Soil	CT&E	PCB	2/3/04
Pre-Design Soil Investigation Sampling	RAA5-G5	1/21/04	1-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	2/3/04
Pre-Design Soil Investigation Sampling	RAA5-G5	1/21/04	3-5	Soil	CT&E	VOC	2/3/04
Pre-Design Soil Investigation Sampling	RAA5-G6	1/21/04	0-1	Soil	CT&E	PCB	2/3/04

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

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

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation Sampling	RAA5-G6	1/21/04	1-6	Soil	CT&E	PCB	2/3/04
Pre-Design Soil Investigation Sampling	RAA5-G6	1/21/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	2/3/04
Pre-Design Soil Investigation Sampling	RAA5-G6	1/21/04	10-12	Soil	CT&E	VOC	2/3/04
Pre-Design Soil Investigation Sampling	RAA5-G8	1/28/04	1-6	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-G8	1/28/04	6-15	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-G8	1/28/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-H10	2/27/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-H10	2/27/04	1-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-H10	2/27/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-H10	2/27/04	4-6	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA5-H20	2/27/04	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-H20	2/27/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-H20	2/27/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-H20	2/27/04	12-14	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA5-H22	2/24/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-H22	2/24/04	1-6	Soil	CT&E	PCB, SVOC, Inorganics	
Pre-Design Soil Investigation Sampling	RAA5-H22	2/24/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-H22	2/24/04	1-3	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA5-H24	2/24/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-H24	2/24/04	0-1	Soil	CT&E	VOC, SVOC, Inorganics	
Pre-Design Soil Investigation Sampling	RAA5-H26	2/24/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-H26	2/24/04	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-H26	2/24/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-H33	2/25/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-H33	2/25/04	1-4	Soil	CT&E	PCB, SVOC, Inorganics	
Pre-Design Soil Investigation Sampling	RAA5-H33	2/25/04	1-3	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA5-H4	1/21/04	6-15	Soil	CT&E	PCB	2/3/04
Pre-Design Soil Investigation Sampling	RAA5-H4	1/21/04	1-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	2/3/04
Pre-Design Soil Investigation Sampling	RAA5-H4	1/21/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	2/3/04
Pre-Design Soil Investigation Sampling	RAA5-H4	1/21/04	2-4	Soil	CT&E	VOC	2/3/04
Pre-Design Soil Investigation Sampling	RAA5-H7	1/28/04	0-1	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-H7	1/28/04	1-6	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-H7	1/28/04	6-15	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-I23	2/23/04	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-I23	2/23/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-I23	2/23/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-I23	2/23/04	10-12	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA5-I25	2/25/04	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-I25	2/25/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-I25	2/25/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA5-I4	2/2/04	0-1	Soil	CT&E	PCB	2/13/04
Pre-Design Soil Investigation Sampling	RAA5-I4	2/2/04	1-4	Soil	CT&E	PCB	2/13/04

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

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

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation Sampling	RAA5-I7	1/28/04	1-6	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-I7	1/28/04	6-15	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-I7	1/28/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-J05	2/26/04	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-J05	2/26/04	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-J05	2/26/04	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA5-J16	1/27/04	1-6	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-J16	1/27/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-J16	1/27/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-J16	1/27/04	7-9	Soil	CT&E	VOC	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-J18	1/27/04	1-6	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-J18	1/27/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-J18	1/27/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-J18	1/27/04	8-10	Soil	CT&E	VOC	2/6/04
Pre-Design Soil Investigation Sampling	RAA5-J6	2/2/04	1-6	Soil	CT&E	PCB	2/13/04
Pre-Design Soil Investigation Sampling	RAA5-J6	2/2/04	6-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	2/13/04
Pre-Design Soil Investigation Sampling	RAA5-J6	2/2/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	2/13/04
Pre-Design Soil Investigation Sampling	RAA5-J6	2/2/04	10-12	Soil	CT&E	VOC	2/13/04
Pre-Design Soil Investigation Sampling	RAA5-J8	2/13/04	6-15	Soil	CT&E	PCB	2/26/04
Pre-Design Soil Investigation Sampling	RAA5-J8	2/13/04	1-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	2/26/04
Pre-Design Soil Investigation Sampling	RAA5-J8	2/13/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	2/26/04
Pre-Design Soil Investigation Sampling	RAA5-J8	2/13/04	4-6	Soil	CT&E	VOC	2/26/04

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

TABLE 3-2
PCB DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA5-E4	0-1	2/16/2004	ND(0.035)	ND(0.035)	0.056	0.056
	1-6	2/16/2004	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]
	6-15	2/16/2004	ND(0.035)	0.017 J	0.013 J	0.030 J
RAA5-E22	0-1	1/21/2004	ND(0.038)	0.066	0.047	0.113
	1-6	1/21/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	1/21/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA5-F9	0-1	1/28/2004	ND(0.036)	0.26	0.31	0.57
	1-6	1/28/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	1/28/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA5-F30	0-1	1/26/2004	ND(0.37)	5.4	3.4	8.8
	1-6	1/26/2004	ND(0.038) [ND(0.038)]	0.61 [0.55]	0.49 [0.48]	1.1 [1.03]
	6-15	1/26/2004	ND(0.19)	ND(0.19)	1.7	1.7
RAA5-G3	0-1	2/16/2004	ND(0.035)	0.015 J	ND(0.035)	0.015 J
	1-6	2/16/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	6-15	2/16/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA5-G5	0-1	1/21/2004	ND(0.37)	5.6	5.1	10.7
	1-6	1/21/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	6-15	1/21/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA5-G6	0-1	1/21/2004	ND(0.038)	0.13	0.063	0.193
	1-6	1/21/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	1/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA5-G8	0-1	1/28/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	1-6	1/28/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	6-15	1/28/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA5-G12	0-1	1/27/2004	ND(0.037)	0.14	0.088	0.228
	1-6	1/27/2004	ND(0.035)	0.12	0.13	0.25
	6-15	1/27/2004	ND(3.6)	13	26	39
RAA5-G28	6-15	1/26/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA5-G31	1-6	1/26/2004	ND(0.038)	0.88	0.80	1.68
RAA5-H4	0-1	1/21/2004	ND(0.038)	1.6	0.76	2.36
	1-6	1/21/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	1/21/2004	ND(0.036)	ND(0.036)	0.015 J	0.015 J
RAA5-H7	0-1	1/28/2004	ND(0.18)	3.2	4.7	7.9
	1-6	1/28/2004	ND(0.19)	1.7	2.1	3.8
	6-15	1/28/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA5-I4	0-1	2/2/2004	ND(1.9)	16	6.8	22.8
	1-4	2/2/2004	ND(0.034)	0.065	0.024 J	0.089
RAA5-I7	0-1	1/28/2004	ND(0.037)	0.35	0.58	0.93
	1-6	1/28/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	1/28/2004	ND(0.037)	ND(0.037)	0.034 J	0.034 J
RAA5-J6	0-1	2/2/2004	ND(0.18)	1.2	2.8	4.0
	1-6	2/2/2004	ND(0.036)	0.69	1.5	2.19
	6-15	2/2/2004	ND(0.034)	0.017 J	0.028 J	0.045 J
RAA5-J8	0-1	2/13/2004	ND(0.035)	ND(0.035)	1.3	1.3
	1-6	2/13/2004	ND(0.035)	0.077	0.10	0.177
	6-15	2/13/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA5-J16	0-1	1/27/2004	ND(0.74)	4.3	6.6	10.9
	1-6	1/27/2004	ND(0.039)	ND(0.039)	0.068	0.068
	6-15	1/27/2004	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]
RAA5-J18	0-1	1/27/2004	ND(0.038)	0.13	0.29	0.42
	1-6	1/27/2004	ND(0.035)	0.045	0.050	0.095
	6-15	1/27/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)

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

Data Qualifiers:

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

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA5-E22 0-1 01/21/04	RAA5-E22 6-15 01/21/04	RAA5-E22 7-9 01/21/04	RAA5-F30 0-1 01/26/04	RAA5-F30 6-15 01/26/04
Volatile Organics					
Acetone	ND(0.023)	NA	ND(0.022)	ND(0.022)	NA
Semivolatile Organics					
2-Methylnaphthalene	ND(0.38)	ND(0.37)	NA	ND(0.37)	ND(0.38)
Acenaphthene	ND(0.38)	ND(0.37)	NA	ND(0.37)	ND(0.38)
Acenaphthylene	ND(0.38)	ND(0.37)	NA	ND(0.37)	ND(0.38)
Aniline	ND(0.38)	ND(0.37)	NA	ND(0.37)	ND(0.38)
Anthracene	ND(0.38)	ND(0.37)	NA	ND(0.37)	ND(0.38)
Benzo(a)anthracene	ND(0.38)	ND(0.37)	NA	0.17 J	0.21 J
Benzo(a)pyrene	ND(0.38)	ND(0.37)	NA	0.11 J	0.12 J
Benzo(b)fluoranthene	ND(0.38)	ND(0.37)	NA	0.11 J	0.097 J
Benzo(g,h,i)perylene	ND(0.38)	ND(0.37)	NA	0.084 J	ND(0.38)
Benzo(k)fluoranthene	ND(0.38)	ND(0.37)	NA	0.10 J	0.11 J
Chrysene	ND(0.38)	ND(0.37)	NA	0.20 J	0.22 J
Dibenzo(a,h)anthracene	ND(0.38)	ND(0.37)	NA	ND(0.37)	ND(0.38)
Dibenzofuran	ND(0.38)	ND(0.37)	NA	ND(0.37)	ND(0.38)
Fluoranthene	ND(0.38)	ND(0.37)	NA	0.32 J	0.64
Fluorene	ND(0.38)	ND(0.37)	NA	ND(0.37)	ND(0.38)
Indeno(1,2,3-cd)pyrene	ND(0.38)	ND(0.37)	NA	ND(0.37)	ND(0.38)
Naphthalene	ND(0.38)	ND(0.37)	NA	ND(0.37)	ND(0.38)
Phenanthrene	ND(0.38)	ND(0.37)	NA	0.15 J	0.50
Phenol	ND(0.38)	ND(0.37)	NA	ND(0.37)	ND(0.38)
Pyrene	ND(0.38)	ND(0.37)	NA	0.27 J	0.52
Furans					
2,3,7,8-TCDF	ND(0.0000060)	ND(0.00000077)	NA	0.000028 Y	ND(0.0000023)
TCDFs (total)	0.00040 I	0.000031 I	NA	0.021 I	0.00094 I
1,2,3,7,8-PeCDF	ND(0.0000017)	ND(0.00000095)	NA	ND(0.000014)	0.0000046
2,3,4,7,8-PeCDF	0.000011	ND(0.00000093)	NA	0.00020	0.000024
PeCDFs (total)	0.00039 I	ND(0.00000095)	NA	0.043 I	0.0016 I
1,2,3,4,7,8-HxCDF	0.0000037	ND(0.00000087)	NA	0.000087	0.000018
1,2,3,6,7,8-HxCDF	ND(0.0000017)	ND(0.00000084)	NA	0.00012	0.000018
1,2,3,7,8,9-HxCDF	ND(0.0000015)	ND(0.00000067)	NA	0.000027	0.000018
2,3,4,6,7,8-HxCDF	ND(0.0000017)	ND(0.00000066)	NA	0.00019	0.000024
HxCDFs (total)	0.00015 I	ND(0.00000087)	NA	0.024 I	0.00097 I
1,2,3,4,6,7,8-HpCDF	0.000017 I	ND(0.00000060)	NA	0.0023 I	0.00011 I
1,2,3,4,7,8,9-HpCDF	ND(0.0000012)	ND(0.00000075)	NA	0.000077	ND(0.000018) X
HpCDFs (total)	0.000018 I	ND(0.00000075)	NA	0.0036 I	0.00016 I
OCDF	ND(0.0000026)	ND(0.000012) X	NA	0.00019	0.000046
Dioxins					
2,3,7,8-TCDD	ND(0.0000011)	ND(0.00000088)	NA	ND(0.0000017)	ND(0.0000015)
TCDDs (total)	ND(0.0000011)	ND(0.00000088)	NA	ND(0.0000017)	ND(0.0000015)
1,2,3,7,8-PeCDD	ND(0.0000060)	ND(0.0000025)	NA	ND(0.000027)	ND(0.000012) X
PeCDDs (total)	ND(0.0000060)	ND(0.0000025)	NA	ND(0.000027)	ND(0.000011)
1,2,3,4,7,8-HxCDD	ND(0.0000021)	ND(0.0000012)	NA	ND(0.000010)	ND(0.0000021)
1,2,3,6,7,8-HxCDD	ND(0.0000021)	ND(0.0000012)	NA	ND(0.000010)	ND(0.0000020)
1,2,3,7,8,9-HxCDD	ND(0.0000019)	ND(0.0000011)	NA	ND(0.0000093)	ND(0.0000019)
HxCDDs (total)	ND(0.0000021)	ND(0.0000012)	NA	ND(0.000010)	ND(0.0000021)
1,2,3,4,6,7,8-HpCDD	ND(0.0000020)	ND(0.0000016)	NA	0.000087	0.000023
HpCDDs (total)	0.0000086	ND(0.0000016)	NA	0.000084	0.000034
OCDD	ND(0.000029) X	ND(0.0000026)	NA	0.00040	0.000087
Total TEQs (WHO TEFs)	0.000011	0.0000023	NA	0.00019	0.000029

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA5-E22 0-1 01/21/04	RAA5-E22 6-15 01/21/04	RAA5-E22 7-9 01/21/04	RAA5-F30 0-1 01/26/04	RAA5-F30 6-15 01/26/04
Inorganics						
Antimony		ND(6.00)	ND(6.00)	NA	1.20 B	ND(6.00)
Arsenic		3.50	6.00	NA	12.0	4.30
Barium		66.0	37.0	NA	34.0	24.0
Beryllium		0.190 B	0.280 B	NA	0.210 B	0.230 B
Cadmium		0.0970 B	0.160 B	NA	0.560	0.380 B
Chromium		5.40	8.20	NA	7.70	7.00
Cobalt		6.00	9.90	NA	7.60	6.60
Copper		13.0	18.0	NA	33.0	17.0
Cyanide		ND(0.230)	ND(0.560)	NA	0.160 B	0.160 B
Lead		6.00	7.50	NA	36.0	10.0
Mercury		ND(0.110)	ND(0.110)	NA	0.290	0.0500 B
Nickel		10.0	17.0	NA	11.0	9.50
Selenium		ND(1.00)	0.650 B	NA	ND(1.00)	ND(1.00)
Silver		0.110 B	0.170 B	NA	ND(1.00)	ND(1.00)
Sulfide		7.30	5.40 B	NA	8.90	ND(5.70)
Thallium		ND(1.10)	ND(1.10)	NA	ND(1.10)	ND(1.10)
Tin		3.20 B	3.00 B	NA	4.40 B	3.60 B
Vanadium		6.20	7.00	NA	6.20	10.0
Zinc		32.0	52.0	NA	53.0	32.0

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA5-F30 13-15 01/26/04	RAA5-G3 0-1 02/16/04	RAA5-G5 1-6 01/21/04	RAA5-G5 3-5 01/21/04	RAA5-G6 6-15 01/21/04
Volatile Organics					
Acetone	ND(0.024)	ND(0.021)	NA	ND(0.025)	NA
Semivolatile Organics					
2-Methylnaphthalene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Acenaphthene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Acenaphthylene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Aniline	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Anthracene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Benzo(a)anthracene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Benzo(a)pyrene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Benzo(b)fluoranthene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Benzo(g,h,i)perylene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Benzo(k)fluoranthene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Chrysene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Dibenzo(a,h)anthracene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Dibenzofuran	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Fluoranthene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Fluorene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Indeno(1,2,3-cd)pyrene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Naphthalene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Phenanthrene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Phenol	NA	0.086 J	ND(0.42)	NA	ND(0.35)
Pyrene	NA	ND(0.35)	ND(0.42)	NA	ND(0.35)
Furans					
2,3,7,8-TCDF	NA	ND(0.00000030)	ND(0.00000021)	NA	ND(0.00000024)
TCDFs (total)	NA	ND(0.00000030)	ND(0.00000021)	NA	ND(0.00000024)
1,2,3,7,8-PeCDF	NA	ND(0.00000032)	ND(0.00000019)	NA	ND(0.00000028)
2,3,4,7,8-PeCDF	NA	ND(0.00000033)	ND(0.00000020)	NA	ND(0.00000031)
PeCDFs (total)	NA	ND(0.00000033)	0.0000032 I	NA	ND(0.00000031)
1,2,3,4,7,8-HxCDF	NA	ND(0.00000021)	ND(0.00000015)	NA	ND(0.00000018)
1,2,3,6,7,8-HxCDF	NA	ND(0.00000021)	ND(0.00000014)	NA	ND(0.00000017)
1,2,3,7,8,9-HxCDF	NA	ND(0.00000018)	ND(0.00000011)	NA	ND(0.00000012)
2,3,4,6,7,8-HxCDF	NA	ND(0.00000018)	ND(0.00000012)	NA	ND(0.00000014)
HxCDFs (total)	NA	ND(0.00000021)	0.0000028 I	NA	ND(0.00000018)
1,2,3,4,6,7,8-HpCDF	NA	ND(0.0000014) X	ND(0.000000086)	NA	ND(0.00000017)
1,2,3,4,7,8,9-HpCDF	NA	ND(0.00000021)	ND(0.000000098)	NA	ND(0.00000019)
HpCDFs (total)	NA	ND(0.00000021)	ND(0.000000098)	NA	ND(0.00000019)
OCDF	NA	ND(0.00000045)	ND(0.00000021)	NA	ND(0.00000039)
Dioxins					
2,3,7,8-TCDD	NA	ND(0.00000025)	ND(0.00000023)	NA	ND(0.00000027)
TCDDs (total)	NA	ND(0.00000025)	ND(0.00000023)	NA	ND(0.00000027)
1,2,3,7,8-PeCDD	NA	ND(0.00000072)	ND(0.00000048)	NA	ND(0.00000064)
PeCDDs (total)	NA	ND(0.00000072)	ND(0.00000048)	NA	ND(0.00000064)
1,2,3,4,7,8-HxCDD	NA	ND(0.00000025)	ND(0.00000016)	NA	ND(0.00000023)
1,2,3,6,7,8-HxCDD	NA	ND(0.00000023)	ND(0.00000016)	NA	ND(0.00000022)
1,2,3,7,8,9-HxCDD	NA	ND(0.00000021)	ND(0.00000015)	NA	ND(0.00000020)
HxCDDs (total)	NA	ND(0.00000025)	ND(0.00000016)	NA	ND(0.00000023)
1,2,3,4,6,7,8-HpCDD	NA	ND(0.00000025)	ND(0.00000018)	NA	ND(0.00000024)
HpCDDs (total)	NA	ND(0.00000025)	ND(0.00000018)	NA	ND(0.00000024)
OCDD	NA	ND(0.0000032) X	ND(0.0000025) X	NA	ND(0.00000045)
Total TEQs (WHO TEFs)	NA	0.00000067	0.00000047	NA	0.00000062

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA5-F30 13-15 01/26/04	RAA5-G3 0-1 02/16/04	RAA5-G5 1-6 01/21/04	RAA5-G5 3-5 01/21/04	RAA5-G6 6-15 01/21/04
Inorganics					
Antimony	NA	ND(6.00)	ND(6.00)	NA	ND(6.00)
Arsenic	NA	8.00	6.50	NA	7.50
Barium	NA	22.0	23.0	NA	11.0 B
Beryllium	NA	0.160 B	0.290 B	NA	0.110 B
Cadmium	NA	0.640	ND(0.500)	NA	ND(0.500)
Chromium	NA	11.0	9.20	NA	4.80
Cobalt	NA	41.0	10.0	NA	6.50
Copper	NA	34.0	22.0	NA	24.0
Cyanide	NA	0.160 B	0.0290 B	NA	ND(0.210)
Lead	NA	17.0	9.20	NA	15.0
Mercury	NA	ND(0.100)	ND(0.120)	NA	ND(0.100)
Nickel	NA	20.0	18.0	NA	10.0
Selenium	NA	1.50	0.840 B	NA	ND(1.00)
Silver	NA	0.320 B	ND(1.00)	NA	ND(1.00)
Sulfide	NA	13.0	86.0	NA	6.70
Thallium	NA	ND(1.00)	1.00 B	NA	ND(1.00)
Tin	NA	3.80 B	3.00 B	NA	2.60 B
Vanadium	NA	8.10	8.10	NA	3.80 B
Zinc	NA	55.0	46.0	NA	26.0

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA5-G6 10-12 01/21/04	RAA5-G8 0-1 01/28/04	RAA5-G12 0-1 01/27/04	RAA5-G12 1-6 01/27/04	RAA5-G12 4-6 01/27/04
Volatile Organics					
Acetone	ND(0.022)	ND(0.021)	ND(0.022)	NA	ND(0.022)
Semivolatile Organics					
2-Methylnaphthalene	NA	ND(0.35)	ND(0.37)	ND(0.35)	NA
Acenaphthene	NA	ND(0.35)	ND(0.37)	0.19 J	NA
Acenaphthylene	NA	ND(0.35)	ND(0.37)	0.21 J	NA
Aniline	NA	ND(0.35)	ND(0.37)	ND(0.35)	NA
Anthracene	NA	ND(0.35)	ND(0.37)	0.65	NA
Benzo(a)anthracene	NA	0.12 J	ND(0.37)	3.2	NA
Benzo(a)pyrene	NA	ND(0.35)	ND(0.37)	1.8	NA
Benzo(b)fluoranthene	NA	ND(0.35)	ND(0.37)	1.0	NA
Benzo(g,h,i)perylene	NA	0.16 J	ND(0.37)	0.96	NA
Benzo(k)fluoranthene	NA	ND(0.35)	ND(0.37)	1.2	NA
Chrysene	NA	0.13 J	ND(0.37)	3.7	NA
Dibenzo(a,h)anthracene	NA	ND(0.35)	ND(0.37)	0.35 J	NA
Dibenzofuran	NA	ND(0.35)	ND(0.37)	ND(0.35)	NA
Fluoranthene	NA	0.30 J	ND(0.37)	4.0	NA
Fluorene	NA	ND(0.35)	ND(0.37)	0.18 J	NA
Indeno(1,2,3-cd)pyrene	NA	ND(0.35)	ND(0.37)	0.67	NA
Naphthalene	NA	ND(0.35)	ND(0.37)	0.091 J	NA
Phenanthrene	NA	0.20 J	ND(0.37)	2.7	NA
Phenol	NA	ND(0.35)	ND(0.37)	ND(0.35)	NA
Pyrene	NA	0.20 J	ND(0.37)	7.9	NA
Furans					
2,3,7,8-TCDF	NA	ND(0.00000092)	ND(0.00000054)	0.0000053 Y	NA
TCDFs (total)	NA	ND(0.00000092)	0.000099 I	0.00025 I	NA
1,2,3,7,8-PeCDF	NA	ND(0.0000010)	ND(0.00000064)	ND(0.00000073)	NA
2,3,4,7,8-PeCDF	NA	ND(0.0000010)	ND(0.00000062)	ND(0.00000079)	NA
PeCDFs (total)	NA	ND(0.0000010)	0.00016 I	0.00050 I	NA
1,2,3,4,7,8-HxCDF	NA	ND(0.00000056)	ND(0.00000070)	ND(0.00000072)	NA
1,2,3,6,7,8-HxCDF	NA	ND(0.00000058)	ND(0.00000073)	ND(0.00000074)	NA
1,2,3,7,8,9-HxCDF	NA	ND(0.00000042)	ND(0.00000056)	ND(0.00000049)	NA
2,3,4,6,7,8-HxCDF	NA	ND(0.00000045)	ND(0.00000058)	0.0000024	NA
HxCDFs (total)	NA	ND(0.00000058)	0.000080 I	0.00030 I	NA
1,2,3,4,6,7,8-HpCDF	NA	ND(0.00000031)	ND(0.0000088) X	0.000034 I	NA
1,2,3,4,7,8,9-HpCDF	NA	ND(0.00000034)	ND(0.00000050)	ND(0.00000024)	NA
HpCDFs (total)	NA	ND(0.00000034)	ND(0.00000050)	0.000044 I	NA
OCDF	NA	ND(0.00000071)	ND(0.0000014)	0.0000046	NA
Dioxins					
2,3,7,8-TCDD	NA	ND(0.00000075)	ND(0.00000036)	ND(0.00000037)	NA
TCDDs (total)	NA	ND(0.00000075)	ND(0.00000036)	ND(0.00000037)	NA
1,2,3,7,8-PeCDD	NA	ND(0.0000018)	ND(0.0000035)	ND(0.0000027)	NA
PeCDDs (total)	NA	ND(0.0000018)	ND(0.0000035)	ND(0.0000027)	NA
1,2,3,4,7,8-HxCDD	NA	ND(0.00000072)	ND(0.0000010)	ND(0.00000084)	NA
1,2,3,6,7,8-HxCDD	NA	ND(0.00000066)	ND(0.0000010)	ND(0.00000087)	NA
1,2,3,7,8,9-HxCDD	NA	ND(0.00000061)	ND(0.00000095)	ND(0.00000080)	NA
HxCDDs (total)	NA	ND(0.00000072)	ND(0.0000010)	ND(0.00000087)	NA
1,2,3,4,6,7,8-HpCDD	NA	ND(0.00000067)	ND(0.00000070)	0.0000031	NA
HpCDDs (total)	NA	ND(0.00000067)	ND(0.00000070)	0.0000058	NA
OCDD	NA	0.0000042	ND(0.0000011)	0.000019	NA
Total TEQs (WHO TEFs)	NA	0.0000018	0.0000025	0.0000031	NA

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA5-G6 10-12 01/21/04	RAA5-G8 0-1 01/28/04	RAA5-G12 0-1 01/27/04	RAA5-G12 1-6 01/27/04	RAA5-G12 4-6 01/27/04
Inorganics					
Antimony	NA	1.30 B	ND(6.00)	ND(6.00)	NA
Arsenic	NA	6.40	2.00	6.70	NA
Barium	NA	18.0 B	13.0 B	50.0	NA
Beryllium	NA	0.140 B	0.140 B	0.170 B	NA
Cadmium	NA	ND(0.500)	ND(0.500)	ND(0.500)	NA
Chromium	NA	6.20	5.10	7.20	NA
Cobalt	NA	9.90	3.60 B	8.30	NA
Copper	NA	29.0	8.70	24.0	NA
Cyanide	NA	ND(0.210)	0.160 B	0.0370 B	NA
Lead	NA	20.0	4.10	18.0	NA
Mercury	NA	ND(0.110)	ND(0.110)	ND(0.110)	NA
Nickel	NA	13.0	7.00	15.0	NA
Selenium	NA	ND(1.00)	ND(1.00)	ND(1.00)	NA
Silver	NA	ND(1.00)	ND(1.00)	ND(1.00)	NA
Sulfide	NA	8.50	8.90	14.0	NA
Thallium	NA	ND(1.10)	ND(1.10)	ND(1.10)	NA
Tin	NA	5.40 B	3.40 B	3.40 B	NA
Vanadium	NA	4.40 B	4.10 B	5.60	NA
Zinc	NA	40.0	20.0	70.0	NA

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA5-G28 0-1 01/26/04	RAA5-G28 1-3 01/26/04	RAA5-G28 1-6 01/26/04	RAA5-H4 0-1 01/21/04	RAA5-H4 1-6 01/21/04
Volatile Organics					
Acetone	ND(0.022)	ND(0.022)	NA	ND(0.023)	NA
Semivolatile Organics					
2-Methylnaphthalene	ND(0.37)	NA	ND(0.37)	ND(0.38)	ND(0.37)
Acenaphthene	ND(0.37)	NA	ND(0.37)	ND(0.38)	ND(0.37)
Acenaphthylene	ND(0.37)	NA	ND(0.37)	ND(0.38)	ND(0.37)
Aniline	ND(0.37)	NA	ND(0.37)	ND(0.38)	ND(0.37)
Anthracene	ND(0.37)	NA	ND(0.37)	ND(0.38)	ND(0.37)
Benzo(a)anthracene	0.099 J	NA	ND(0.37)	0.19 J	ND(0.37)
Benzo(a)pyrene	ND(0.37)	NA	ND(0.37)	0.12 J	ND(0.37)
Benzo(b)fluoranthene	ND(0.37)	NA	ND(0.37)	0.097 J	ND(0.37)
Benzo(g,h,i)perylene	ND(0.37)	NA	ND(0.37)	0.096 J	ND(0.37)
Benzo(k)fluoranthene	ND(0.37)	NA	ND(0.37)	0.13 J	ND(0.37)
Chrysene	0.11 J	NA	ND(0.37)	0.24 J	ND(0.37)
Dibenzo(a,h)anthracene	ND(0.37)	NA	ND(0.37)	ND(0.38)	ND(0.37)
Dibenzofuran	ND(0.37)	NA	ND(0.37)	ND(0.38)	ND(0.37)
Fluoranthene	0.25 J	NA	ND(0.37)	0.33 J	ND(0.37)
Fluorene	ND(0.37)	NA	ND(0.37)	ND(0.38)	ND(0.37)
Indeno(1,2,3-cd)pyrene	ND(0.37)	NA	ND(0.37)	ND(0.38)	ND(0.37)
Naphthalene	ND(0.37)	NA	ND(0.37)	ND(0.38)	ND(0.37)
Phenanthrene	0.099 J	NA	ND(0.37)	0.20 J	ND(0.37)
Phenol	ND(0.37)	NA	ND(0.37)	ND(0.38)	ND(0.37)
Pyrene	0.13 J	NA	ND(0.37)	0.33 J	ND(0.37)
Furans					
2,3,7,8-TCDF	ND(0.0000023)	NA	NA	0.000019 Y	ND(0.00000042) X
TCDFs (total)	0.00085 I	NA	NA	0.0063 I	0.000055 I
1,2,3,7,8-PeCDF	ND(0.0000026)	NA	NA	ND(0.0000058)	0.0000020
2,3,4,7,8-PeCDF	0.000027	NA	NA	0.000059	0.0000032
PeCDFs (total)	0.0012 I	NA	NA	0.012 I	0.000097 I
1,2,3,4,7,8-HxCDF	0.000024	NA	NA	0.000033	0.0000021
1,2,3,6,7,8-HxCDF	0.000013	NA	NA	0.000030	0.0000028
1,2,3,7,8,9-HxCDF	0.0000099	NA	NA	0.000017	0.0000031
2,3,4,6,7,8-HxCDF	0.000022	NA	NA	0.000058	0.0000028
HxCDFs (total)	0.00049 I	NA	NA	0.0075 I	0.000068 I
1,2,3,4,6,7,8-HpCDF	0.000080 I	NA	NA	0.00081 I	0.0000098 I
1,2,3,4,7,8,9-HpCDF	ND(0.000016) X	NA	NA	0.000022	ND(0.00000022) X
HpCDFs (total)	0.00013 I	NA	NA	0.0011 I	0.000012 I
OCDF	0.000075	NA	NA	0.000073	0.0000044
Dioxins					
2,3,7,8-TCDD	ND(0.0000011)	NA	NA	ND(0.0000014)	ND(0.00000030)
TCDDs (total)	ND(0.0000011)	NA	NA	ND(0.0000014)	ND(0.00000030)
1,2,3,7,8-PeCDD	ND(0.0000088)	NA	NA	ND(0.000017)	ND(0.00000063)
PeCDDs (total)	ND(0.0000088)	NA	NA	ND(0.000017)	ND(0.00000063)
1,2,3,4,7,8-HxCDD	ND(0.0000029)	NA	NA	ND(0.0000050)	0.0000025
1,2,3,6,7,8-HxCDD	ND(0.0000026)	NA	NA	ND(0.0000050)	0.0000022
1,2,3,7,8,9-HxCDD	ND(0.0000024)	NA	NA	ND(0.0000046)	ND(0.00000021) X
HxCDDs (total)	ND(0.0000029)	NA	NA	ND(0.0000050)	0.0000045
1,2,3,4,6,7,8-HpCDD	0.000046	NA	NA	0.000038	ND(0.00000026) X
HpCDDs (total)	0.000073	NA	NA	0.000076	0.00000026
OCDD	0.00037	NA	NA	0.00028	0.0000092
Total TEQs (WHO TEFs)	0.000027	NA	NA	0.000064	0.0000038

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA5-G28 0-1 01/26/04	RAA5-G28 1-3 01/26/04	RAA5-G28 1-6 01/26/04	RAA5-H4 0-1 01/21/04	RAA5-H4 1-6 01/21/04
Inorganics					
Antimony	1.00 B	NA	1.80 B	ND(6.00)	ND(6.00)
Arsenic	5.70	NA	4.70	5.40	8.30
Barium	20.0 B	NA	15.0 B	34.0	53.0
Beryllium	0.190 B	NA	0.150 B	0.180 B	0.200 B
Cadmium	0.530	NA	0.330 B	0.190 B	ND(0.500)
Chromium	6.20	NA	3.50	7.70	5.80
Cobalt	6.90	NA	5.90	7.80	11.0
Copper	17.0	NA	16.0	78.0	28.0
Cyanide	0.0950 B	NA	ND(0.550)	0.400	0.0510 B
Lead	13.0	NA	6.10	55.0	9.40
Mercury	0.170	NA	ND(0.110)	0.180	ND(0.110)
Nickel	10.0	NA	8.90	14.0	14.0
Selenium	ND(1.00)	NA	ND(1.00)	0.880 B	0.740 B
Silver	ND(1.00)	NA	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	7.00	NA	8.80	7.20	12.0
Thallium	ND(1.10)	NA	ND(1.10)	ND(1.10)	ND(1.10)
Tin	2.70 B	NA	2.80 B	8.50 B	3.00 B
Vanadium	5.00	NA	3.00 B	7.90	4.90 B
Zinc	46.0	NA	25.0	74.0	35.0

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA5-H4 2-4 01/21/04	RAA5-I7 0-1 01/28/04	RAA5-J6 0-1 02/02/04	RAA5-J6 6-15 02/02/04	RAA5-J6 10-12 02/02/04
Volatile Organics					
Acetone	ND(0.021)	ND(0.022)	0.0070 J	NA	ND(0.021)
Semivolatile Organics					
2-Methylnaphthalene	NA	ND(0.37)	ND(0.37)	ND(0.34)	NA
Acenaphthene	NA	0.096 J	ND(0.37)	ND(0.34)	NA
Acenaphthylene	NA	0.16 J	ND(0.37)	ND(0.34)	NA
Aniline	NA	ND(0.37)	ND(0.37)	ND(0.34)	NA
Anthracene	NA	0.50	0.076 J	ND(0.34)	NA
Benzo(a)anthracene	NA	2.1	0.21 J	ND(0.34)	NA
Benzo(a)pyrene	NA	1.2	0.14 J	ND(0.34)	NA
Benzo(b)fluoranthene	NA	1.2	0.12 J	ND(0.34)	NA
Benzo(g,h,i)perylene	NA	0.58	0.15 J	ND(0.34)	NA
Benzo(k)fluoranthene	NA	1.2	0.13 J	ND(0.34)	NA
Chrysene	NA	2.0	0.23 J	ND(0.34)	NA
Dibenzo(a,h)anthracene	NA	0.19 J	ND(0.37)	ND(0.34)	NA
Dibenzofuran	NA	ND(0.37)	ND(0.37)	ND(0.34)	NA
Fluoranthene	NA	4.4	0.35 J	ND(0.34)	NA
Fluorene	NA	0.095 J	ND(0.37)	ND(0.34)	NA
Indeno(1,2,3-cd)pyrene	NA	0.56	0.082 J	ND(0.34)	NA
Naphthalene	NA	0.080 J	ND(0.37)	ND(0.34)	NA
Phenanthrene	NA	1.7	0.22 J	ND(0.34)	NA
Phenol	NA	ND(0.37)	ND(0.37)	ND(0.34)	NA
Pyrene	NA	3.9	0.46	ND(0.34)	NA
Furans					
2,3,7,8-TCDF	NA	ND(0.00000036)	ND(0.0000040)	ND(0.00000041)	NA
TCDFs (total)	NA	0.0000037	0.0031 I	0.000013 I	NA
1,2,3,7,8-PeCDF	NA	ND(0.00000024)	ND(0.0000054)	ND(0.00000045)	NA
2,3,4,7,8-PeCDF	NA	ND(0.00000027)	ND(0.000040) X	ND(0.00000052)	NA
PeCDFs (total)	NA	0.0000082 I	0.0060 I	0.000046 I	NA
1,2,3,4,7,8-HxCDF	NA	ND(0.00000032)	ND(0.0000067)	ND(0.00000028)	NA
1,2,3,6,7,8-HxCDF	NA	ND(0.00000030)	ND(0.0000066)	ND(0.00000027)	NA
1,2,3,7,8,9-HxCDF	NA	ND(0.000000089)	ND(0.0000066)	ND(0.00000026)	NA
2,3,4,6,7,8-HxCDF	NA	ND(0.00000031)	0.000029	ND(0.00000027)	NA
HxCDFs (total)	NA	0.0000014 I	0.0044 I	0.000033 I	NA
1,2,3,4,6,7,8-HpCDF	NA	ND(0.00000020)	0.00012 I	ND(0.0000040) X	NA
1,2,3,4,7,8,9-HpCDF	NA	ND(0.00000022)	ND(0.0000029)	ND(0.00000016)	NA
HpCDFs (total)	NA	ND(0.00000022)	0.00024 I	ND(0.00000016)	NA
OCDF	NA	ND(0.00000037)	ND(0.000052) X	ND(0.00000029)	NA
Dioxins					
2,3,7,8-TCDD	NA	ND(0.00000050)	ND(0.0000013)	ND(0.00000021)	NA
TCDDs (total)	NA	ND(0.00000050)	ND(0.0000013)	ND(0.00000021)	NA
1,2,3,7,8-PeCDD	NA	ND(0.0000040)	ND(0.000019)	ND(0.0000010)	NA
PeCDDs (total)	NA	ND(0.0000040)	ND(0.000019)	ND(0.0000010)	NA
1,2,3,4,7,8-HxCDD	NA	ND(0.0000012)	ND(0.0000060)	ND(0.00000029)	NA
1,2,3,6,7,8-HxCDD	NA	ND(0.0000011)	ND(0.0000054)	ND(0.00000028)	NA
1,2,3,7,8,9-HxCDD	NA	ND(0.00000099)	ND(0.0000050)	ND(0.00000025)	NA
HxCDDs (total)	NA	ND(0.0000012)	ND(0.0000060)	ND(0.00000029)	NA
1,2,3,4,6,7,8-HpCDD	NA	ND(0.00000047)	ND(0.0000026)	ND(0.00000015)	NA
HpCDDs (total)	NA	ND(0.00000047)	ND(0.0000026)	ND(0.00000015)	NA
OCDD	NA	ND(0.0000055) X	0.000095	ND(0.00000024)	NA
Total TEQs (WHO TEFs)	NA	0.0000026	0.000026	0.00000088	NA

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA5-H4 2-4 01/21/04	RAA5-I7 0-1 01/28/04	RAA5-J6 0-1 02/02/04	RAA5-J6 6-15 02/02/04	RAA5-J6 10-12 02/02/04
Inorganics					
Antimony	NA	1.70 B	ND(6.00)	ND(6.00)	NA
Arsenic	NA	6.50	6.40	5.60	NA
Barium	NA	15.0 B	45.0	7.80 B	NA
Beryllium	NA	0.140 B	0.160 B	0.0670 B	NA
Cadmium	NA	0.110 B	0.590	0.350 B	NA
Chromium	NA	4.60	9.20	6.30	NA
Cobalt	NA	29.0	8.70	6.80	NA
Copper	NA	29.0	48.0	34.0	NA
Cyanide	NA	ND(0.550)	0.0820 B	ND(0.210)	NA
Lead	NA	9.80	110	8.10	NA
Mercury	NA	ND(0.110)	0.210	ND(0.100)	NA
Nickel	NA	9.00	14.0	11.0	NA
Selenium	NA	ND(1.00)	1.20	1.00	NA
Silver	NA	ND(1.00)	0.200 B	ND(1.00)	NA
Sulfide	NA	8.80	8.90	8.30	NA
Thallium	NA	ND(1.10)	ND(1.10)	ND(1.00)	NA
Tin	NA	4.00 B	9.40 B	3.10 B	NA
Vanadium	NA	4.20 B	10.0	4.00 B	NA
Zinc	NA	29.0	74.0	36.0	NA

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA5-J8 0-1 02/13/04	RAA5-J8 1-6 02/13/04	RAA5-J8 4-6 02/13/04	RAA5-J16 0-1 01/27/04
Volatile Organics				
Acetone	ND(0.021)	NA	ND(0.021)	ND(0.022)
Semivolatile Organics				
2-Methylnaphthalene	ND(0.35)	ND(0.35)	NA	0.10 J
Acenaphthene	ND(0.35)	ND(0.35)	NA	0.35 J
Acenaphthylene	0.097 J	ND(0.35)	NA	0.12 J
Aniline	ND(0.35)	0.10 J	NA	ND(0.37)
Anthracene	0.12 J	0.16 J	NA	0.75
Benzo(a)anthracene	0.46	0.42	NA	1.1
Benzo(a)pyrene	0.37	0.34 J	NA	0.54
Benzo(b)fluoranthene	0.30 J	0.28 J	NA	0.49
Benzo(g,h,i)perylene	0.22 J	0.24 J	NA	0.35 J
Benzo(k)fluoranthene	0.37	0.33 J	NA	0.53
Chrysene	0.46	0.43	NA	1.2
Dibenzo(a,h)anthracene	ND(0.35)	0.059 J	NA	0.094 J
Dibenzofuran	ND(0.35)	ND(0.35)	NA	0.33 J
Fluoranthene	1.2	0.99	NA	3.6
Fluorene	ND(0.35)	ND(0.35)	NA	0.39
Indeno(1,2,3-cd)pyrene	0.19 J	0.17 J	NA	0.31 J
Naphthalene	ND(0.35)	ND(0.35)	NA	0.18 J
Phenanthrene	0.42	0.60	NA	4.0
Phenol	ND(0.35)	ND(0.35)	NA	ND(0.37)
Pyrene	1.1	1.0	NA	2.1
Furans				
2,3,7,8-TCDF	ND(0.0000043) Y	ND(0.00000035)	NA	0.000017 Y
TCDFs (total)	0.0020 I	0.000080 I	NA	0.012 I
1,2,3,7,8-PeCDF	ND(0.0000020) X	ND(0.00000028)	NA	ND(0.000010)
2,3,4,7,8-PeCDF	ND(0.0000021) X	ND(0.00000029)	NA	ND(0.000011)
PeCDFs (total)	0.0016 I	0.000056 I	NA	0.024 I
1,2,3,4,7,8-HxCDF	0.0000043	ND(0.00000019)	NA	ND(0.000012)
1,2,3,6,7,8-HxCDF	ND(0.0000012)	ND(0.00000018)	NA	0.000017
1,2,3,7,8,9-HxCDF	ND(0.00000077)	ND(0.00000016)	NA	ND(0.0000086)
2,3,4,6,7,8-HxCDF	ND(0.0000011)	ND(0.00000016)	NA	0.000053
HxCDFs (total)	0.00056 I	0.000020 I	NA	0.014 I
1,2,3,4,6,7,8-HpCDF	0.000022 I	ND(0.000000081)	NA	0.0015 I
1,2,3,4,7,8,9-HpCDF	0.0000043	ND(0.000000092)	NA	0.000022
HpCDFs (total)	0.000036 I	ND(0.000000092)	NA	0.0020 I
OCDF	0.000018	0.0000012	NA	0.000082
Dioxins				
2,3,7,8-TCDD	ND(0.00000039)	ND(0.00000020)	NA	ND(0.0000019)
TCDDs (total)	ND(0.00000039)	ND(0.00000020)	NA	ND(0.0000019)
1,2,3,7,8-PeCDD	ND(0.0000071)	ND(0.0000013)	NA	ND(0.000026)
PeCDDs (total)	ND(0.0000071)	ND(0.0000013)	NA	ND(0.000026)
1,2,3,4,7,8-HxCDD	ND(0.0000021)	ND(0.00000031)	NA	ND(0.0000094)
1,2,3,6,7,8-HxCDD	ND(0.0000022)	ND(0.00000030)	NA	ND(0.0000093)
1,2,3,7,8,9-HxCDD	ND(0.0000020)	ND(0.00000028)	NA	ND(0.0000086)
HxCDDs (total)	ND(0.0000022)	ND(0.00000031)	NA	ND(0.0000094)
1,2,3,4,6,7,8-HpCDD	ND(0.00000044)	ND(0.00000014)	NA	0.000028
HpCDDs (total)	ND(0.00000044)	ND(0.00000014)	NA	0.000068
OCDD	0.000011	ND(0.0000017) X	NA	0.000074
Total TEQs (WHO TEFs)	0.0000057	0.00000093	NA	0.000044

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA5-J8 0-1 02/13/04	RAA5-J8 1-6 02/13/04	RAA5-J8 4-6 02/13/04	RAA5-J16 0-1 01/27/04
Inorganics				
Antimony	ND(6.00)	ND(6.00)	NA	ND(6.00)
Arsenic	7.00	7.60	NA	5.80
Barium	15.0 B	14.0 B	NA	18.0 B
Beryllium	0.180 B	0.170 B	NA	0.220 B
Cadmium	0.310 B	0.230 B	NA	ND(0.500)
Chromium	5.50	4.90	NA	5.10
Cobalt	17.0	9.90	NA	6.30
Copper	33.0	30.0	NA	16.0
Cyanide	0.0440 B	0.0520 B	NA	0.0350 B
Lead	11.0	16.0	NA	14.0
Mercury	ND(0.100)	ND(0.100)	NA	0.0270 B
Nickel	13.0	14.0	NA	10.0
Selenium	0.790 B	0.570 B	NA	ND(1.00)
Silver	0.190 B	ND(1.00)	NA	ND(1.00)
Sulfide	10.0	22.0	NA	8.90
Thallium	ND(1.00)	ND(1.00)	NA	ND(1.10)
Tin	3.40 B	2.90 B	NA	3.60 B
Vanadium	4.10 B	4.00 B	NA	5.00
Zinc	31.0	30.0	NA	34.0

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA5-J16 6-15 01/27/04	RAA5-J16 7-9 01/27/04	RAA5-J18 0-1 01/27/04
Volatile Organics			
Acetone	NA	ND(0.022) [ND(0.022)]	ND(0.023)
Semivolatile Organics			
2-Methylnaphthalene	ND(0.37) [ND(0.37)]	NA	ND(0.38)
Acenaphthene	ND(0.37) [ND(0.37)]	NA	ND(0.38)
Acenaphthylene	ND(0.37) [ND(0.37)]	NA	ND(0.38)
Aniline	ND(0.37) [ND(0.37)]	NA	ND(0.38)
Anthracene	ND(0.37) [ND(0.37)]	NA	ND(0.38)
Benzo(a)anthracene	ND(0.37) [ND(0.37)]	NA	ND(0.38)
Benzo(a)pyrene	ND(0.37) [ND(0.37)]	NA	ND(0.38)
Benzo(b)fluoranthene	ND(0.37) [ND(0.37)]	NA	ND(0.38)
Benzo(g,h,i)perylene	ND(0.37) [ND(0.37)]	NA	ND(0.38)
Benzo(k)fluoranthene	ND(0.37) [ND(0.37)]	NA	ND(0.38)
Chrysene	ND(0.37) [ND(0.37)]	NA	0.10 J
Dibenzo(a,h)anthracene	ND(0.37) [ND(0.37)]	NA	ND(0.38)
Dibenzofuran	ND(0.37) [ND(0.37)]	NA	ND(0.38)
Fluoranthene	ND(0.37) [ND(0.37)]	NA	0.22 J
Fluorene	ND(0.37) [ND(0.37)]	NA	ND(0.38)
Indeno(1,2,3-cd)pyrene	ND(0.37) [ND(0.37)]	NA	ND(0.38)
Naphthalene	ND(0.37) [ND(0.37)]	NA	ND(0.38)
Phenanthrene	ND(0.37) [ND(0.37)]	NA	0.11 J
Phenol	ND(0.37) [ND(0.37)]	NA	ND(0.38)
Pyrene	ND(0.37) [ND(0.37)]	NA	0.16 J
Furans			
2,3,7,8-TCDF	ND(0.00000028) [ND(0.00000025)]	NA	0.0000083 Y
TCDFs (total)	0.000024 I [ND(0.00000025)]	NA	0.00026 I
1,2,3,7,8-PeCDF	ND(0.00000034) [ND(0.00000039)]	NA	ND(0.0000011)
2,3,4,7,8-PeCDF	ND(0.00000033) [ND(0.00000043)]	NA	0.000011
PeCDFs (total)	0.000041 I [0.000015 I]	NA	0.00067 I
1,2,3,4,7,8-HxCDF	ND(0.00000031) [ND(0.00000035)]	NA	0.000020
1,2,3,6,7,8-HxCDF	ND(0.00000029) [ND(0.00000034)]	NA	0.0000050
1,2,3,7,8,9-HxCDF	ND(0.00000020) [ND(0.00000025)]	NA	ND(0.00000075)
2,3,4,6,7,8-HxCDF	ND(0.00000023) [ND(0.00000030)]	NA	0.0000069
HxCDFs (total)	0.000021 I [ND(0.00000035)]	NA	0.00046 I
1,2,3,4,6,7,8-HpCDF	ND(0.0000044) X [ND(0.00000024)]	NA	0.000062 I
1,2,3,4,7,8,9-HpCDF	ND(0.00000013) [ND(0.00000028)]	NA	0.0000017
HpCDFs (total)	ND(0.00000014) [ND(0.00000028)]	NA	0.00010 I
OCDF	0.0000016 [ND(0.00000075)]	NA	0.000020
Dioxins			
2,3,7,8-TCDD	ND(0.00000021) [ND(0.00000021)]	NA	ND(0.00000035)
TCDDs (total)	ND(0.00000021) [ND(0.00000021)]	NA	ND(0.00000035)
1,2,3,7,8-PeCDD	ND(0.00000089) [ND(0.0000010)]	NA	ND(0.0000039)
PeCDDs (total)	ND(0.00000089) [ND(0.0000010)]	NA	ND(0.0000039)
1,2,3,4,7,8-HxCDD	ND(0.00000036) [ND(0.00000068)]	NA	ND(0.0000015)
1,2,3,6,7,8-HxCDD	ND(0.00000033) [ND(0.00000066)]	NA	ND(0.0000014)
1,2,3,7,8,9-HxCDD	ND(0.00000030) [ND(0.00000061)]	NA	ND(0.0000013)
HxCDDs (total)	ND(0.00000036) [ND(0.00000068)]	NA	ND(0.0000015)
1,2,3,4,6,7,8-HpCDD	ND(0.00000021) [ND(0.00000061)]	NA	0.000023
HpCDDs (total)	ND(0.00000021) [ND(0.00000061)]	NA	0.000045
OCDD	ND(0.0000055) X [ND(0.00000073)]	NA	0.00015
Total TEQs (WHO TEFs)	0.00000078 [0.00000090]	NA	0.000013

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA5-J16 6-15 01/27/04	RAA5-J16 7-9 01/27/04	RAA5-J18 0-1 01/27/04
Inorganics			
Antimony	ND(6.00) [ND(6.00)]	NA	ND(6.00)
Arsenic	5.20 [4.00]	NA	4.40
Barium	18.0 B [16.0 B]	NA	32.0
Beryllium	0.230 B [0.210 B]	NA	0.220 B
Cadmium	ND(0.500) [ND(0.500)]	NA	0.0870 B
Chromium	5.70 [4.70]	NA	5.40
Cobalt	7.00 [5.80]	NA	6.20
Copper	14.0 [15.0]	NA	19.0
Cyanide	ND(0.560) [ND(0.550)]	NA	0.0440 B
Lead	6.20 [7.50]	NA	7.70
Mercury	ND(0.110) [ND(0.110)]	NA	ND(0.110)
Nickel	10.0 [8.40]	NA	9.50
Selenium	ND(1.00) [ND(1.00)]	NA	ND(1.00)
Silver	ND(1.00) [ND(1.00)]	NA	ND(1.00)
Sulfide	7.20 [8.80]	NA	5.40 B
Thallium	ND(1.10) [ND(1.10)]	NA	ND(1.10)
Tin	2.80 B [3.40 B]	NA	3.70 B
Vanadium	6.70 [5.60]	NA	5.00
Zinc	29.0 [25.0]	NA	64.0

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA5-J18 6-15 01/27/04	RAA5-J18 8-10 01/27/04
Volatile Organics		
Acetone	NA	ND(0.022)
Semivolatile Organics		
2-Methylnaphthalene	ND(0.38)	NA
Acenaphthene	ND(0.38)	NA
Acenaphthylene	ND(0.38)	NA
Aniline	ND(0.38)	NA
Anthracene	ND(0.38)	NA
Benzo(a)anthracene	ND(0.38)	NA
Benzo(a)pyrene	ND(0.38)	NA
Benzo(b)fluoranthene	ND(0.38)	NA
Benzo(g,h,i)perylene	ND(0.38)	NA
Benzo(k)fluoranthene	ND(0.38)	NA
Chrysene	ND(0.38)	NA
Dibenzo(a,h)anthracene	ND(0.38)	NA
Dibenzofuran	ND(0.38)	NA
Fluoranthene	ND(0.38)	NA
Fluorene	ND(0.38)	NA
Indeno(1,2,3-cd)pyrene	ND(0.38)	NA
Naphthalene	ND(0.38)	NA
Phenanthrene	ND(0.38)	NA
Phenol	ND(0.38)	NA
Pyrene	ND(0.38)	NA
Furans		
2,3,7,8-TCDF	ND(0.00000010)	NA
TCDFs (total)	ND(0.00000010)	NA
1,2,3,7,8-PeCDF	ND(0.00000012)	NA
2,3,4,7,8-PeCDF	ND(0.00000012)	NA
PeCDFs (total)	ND(0.00000012)	NA
1,2,3,4,7,8-HxCDF	ND(0.00000012)	NA
1,2,3,6,7,8-HxCDF	ND(0.00000012)	NA
1,2,3,7,8,9-HxCDF	ND(0.000000087)	NA
2,3,4,6,7,8-HxCDF	ND(0.000000092)	NA
HxCDFs (total)	ND(0.00000012)	NA
1,2,3,4,6,7,8-HpCDF	ND(0.000000070)	NA
1,2,3,4,7,8,9-HpCDF	ND(0.000000076)	NA
HpCDFs (total)	ND(0.000000076)	NA
OCDF	ND(0.00000017)	NA
Dioxins		
2,3,7,8-TCDD	ND(0.00000017)	NA
TCDDs (total)	ND(0.00000017)	NA
1,2,3,7,8-PeCDD	ND(0.00000033)	NA
PeCDDs (total)	ND(0.00000033)	NA
1,2,3,4,7,8-HxCDD	ND(0.00000023)	NA
1,2,3,6,7,8-HxCDD	ND(0.00000022)	NA
1,2,3,7,8,9-HxCDD	ND(0.00000021)	NA
HxCDDs (total)	ND(0.00000023)	NA
1,2,3,4,6,7,8-HpCDD	ND(0.00000020)	NA
HpCDDs (total)	ND(0.00000020)	NA
OCDD	ND(0.00000019)	NA
Total TEQs (WHO TEFs)	0.00000034	NA

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA5-J18 6-15 01/27/04	RAA5-J18 8-10 01/27/04
Inorganics			
Antimony		ND(6.00)	NA
Arsenic		5.40	NA
Barium		33.0	NA
Beryllium		0.230 B	NA
Cadmium		ND(0.500)	NA
Chromium		6.30	NA
Cobalt		9.90	NA
Copper		15.0	NA
Cyanide		ND(0.560)	NA
Lead		6.00	NA
Mercury		ND(0.110)	NA
Nickel		14.0	NA
Selenium		ND(1.00)	NA
Silver		ND(1.00)	NA
Sulfide		7.20	NA
Thallium		ND(1.10)	NA
Tin		3.10 B	NA
Vanadium		5.50	NA
Zinc		40.0	NA

TABLE 3-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and were submitted to CT&E Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. NA - Not Analyzed - Laboratory did not report results for this analyte.
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.

Data Qualifiers:

Organics (volatiles, semivolatiles, dioxin/furans)

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

Inorganics

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

TABLE 3-4
PCB DATA RECEIVED DURING FEBRUARY 2004

BUILDING 19 STOCK PILE SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
19-012804-1	1/28/2004	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]
19-012804-2	1/28/2004	ND(1.0)	0.078 J	0.063 J	0.141 J
19-012804-3	1/28/2004	ND(1.0)	1.0	1.4	2.4
19-012804-4	1/28/2004	ND(1.0)	0.13 J	0.12 J	0.25 J
19-012804-5	1/28/2004	ND(1.0)	ND(1.0)	0.016 J	0.016 J
19-012804-6	1/28/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

Notes:

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

Data Qualifiers:

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

TABLE 3-5
PCB DATA RECEIVED DURING FEBRUARY 2004

PETRICCA CONSTRUCTION BUCKET WIPE SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in µg/100cm^2)

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
PET-BUCKET-1-W1	1/23/2004	ND(1.0)	1.3	ND(1.0)	1.3
PET-BUCKET-1-W2	1/23/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
PET-BUCKET-1-W3	1/23/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
PET-BUCKET-2-W1	1/23/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
PET-BUCKET-2-W2	1/23/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
PET-BUCKET-2-W3	1/23/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

Notes:

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

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

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Following EPA approval of Revised Conceptual Removal Design/Removal Action (RD/RA) Work Plan, initiate close-out activities for this Removal Action Area (RAA).

- Submit drafts of EREs for GE-owned properties within this RAA to EPA and MDEP, and conduct discussions with holders of encumbrances on those properties regarding subordination agreements.

- Send notice to owner of non-GE property within this RAA regarding Conditional Solution in accordance with Paragraph 36 of the CD.

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)
FEBRUARY 2004

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

a. Activities Undertaken/Completed

Continued transfer of leachate from Building 71 On-Plant Consolidation Area (OPCA) to Building 64G for treatment. The total amount transferred in February 2004 was 30,000 gallons (see Table 5-1).

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted letter confirming agreement between GE and EPA that capacity in excess of 25,000 cubic yards (cy) will be made available in the Hill 78 OPCA for non-TSCA materials from the 1½ Mile Reach Removal Action, but without changing the overall volume of 50,000 cy reserved in the OPCAs for materials from the 1½ Mile Reach Removal Action (February 10, 2004).

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

Continue transfer of building demolition debris and/or excavated material from 1½ Mile Reach to the OPCAs (weather dependent).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 5-1
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
February 2004

Month / Year	Total Volume of Leachate Transferred (Gallons)
February 2003	30,000
March 2003	120,000
April 2003	100,000
May 2003	68,000
June 2003	65,000
July 2003	53,000
August 2003	122,500
September 2003	94,000
October 2003	84,000
November 2003	86,500
December 2003	102,500
January 2004	35,000
February 2004	30,000

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)
FEBRUARY 2004

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted Pre-Design Investigation Work Plan (February 26, 2004).*

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

None

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

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

a. Activities Undertaken/Completed

- Continued pre-design investigation soil sampling.*

- Received executed final access agreement from Massachusetts Community College System allowing access to the Massachusetts Department of Higher Education (Berkshire Community College) property within this area for soil sampling and groundwater monitoring (February 27, 2004).*

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted Interim Pre-Design Investigation Report (February 18, 2004).*

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

Following EPA approval of additional sampling proposed in Interim Pre-Design Investigation Report, conduct field activities.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

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

UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation	RAA10-DUP-33 (RAA10-N-E24)	1/28/04	0-1	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation	RAA10-N-CC22.5	1/28/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF, Pest, Herb	2/6/04
Pre-Design Soil Investigation	RAA10-N-CC23	1/28/04	0-1	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation	RAA10-N-DD25	1/28/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF, Pest, Herb	2/6/04
Pre-Design Soil Investigation	RAA10-N-E20	1/28/04	0-1	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation	RAA10-N-E22	1/28/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics	2/6/04
Pre-Design Soil Investigation	RAA10-N-E24	1/28/04	0-1	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation	RAA10-N-EE23	1/28/04	0-1	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation	RAA10-N-EE26	1/28/04	0-1	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation	RAA10-N-FF23.5	1/28/04	0-1	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation	RAA10-N-H21	1/28/04	0-1	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation	RAA10-N-H25	1/28/04	0-1	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation	RAA10-N-HH25	1/28/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics	2/6/04
Pre-Design Soil Investigation	RAA10-N-I20	1/28/04	0-1	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation	RAA10-N-I24	1/28/04	0-1	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation	RAA10-N-MN27	1/28/04	0-1	Soil	CT&E	PCB	2/6/04
Pre-Design Soil Investigation	RAA10-N-O26	2/5/04	0-1	Soil	CT&E	PCB	2/12/04
Pre-Design Soil Investigation	RAA10-N-T23.5	1/28/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF, Pest, Herb	2/6/04
Pre-Design Soil Investigation	RAA10-N-U26	2/5/04	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics	2/12/04
Pre-Design Soil Investigation	RAA10-N-X23.5	1/28/04	0-1	Soil	CT&E	PCB	2/6/04

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

TABLE 7-2
PCB DATA RECEIVED DURING FEBRUARY 2004

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

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1248	Aroclor-1242	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-N-CC22.5	0-1	1/28/2004	ND(0.52)	ND(0.52)	9.1	5.8	14.9
RAA10-N-CC23	0-1	1/28/2004	ND(0.29)	ND(0.29)	6.8	3.4	10.2
RAA10-N-DD25	0-1	1/28/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
RAA10-N-E20	0-1	1/28/2004	ND(0.046)	ND(0.046)	0.032 J	0.044 J	0.076 J
RAA10-N-E22	0-1	1/28/2004	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)
RAA10-N-E24	0-1	1/28/2004	ND(0.083) [ND(0.059)]	ND(0.083) [ND(0.059)]	ND(0.083) [ND(0.059)]	0.099 [0.033 J]	0.099 [0.033 J]
RAA10-N-EE23	0-1	1/28/2004	ND(0.040)	0.10	1.1	0.67	1.87
RAA10-N-EE26	0-1	1/28/2004	ND(0.046)	ND(0.046)	0.093	0.17	0.263
RAA10-N-FF23.5	0-1	1/28/2004	ND(0.74)	6.0	21	11	38
RAA10-N-H21	0-1	1/28/2004	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)
RAA10-N-H25	0-1	1/28/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
RAA10-N-HH25	0-1	1/28/2004	ND(0.041)	1.2	ND(0.041)	0.65	1.85
RAA10-N-I20	0-1	1/28/2004	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)
RAA10-N-I24	0-1	1/28/2004	ND(0.080)	ND(0.080)	0.038 J	0.029 J	0.067 J
RAA10-N-MN27	0-1	1/28/2004	ND(0.046)	ND(0.046)	0.012 J	0.018 J	0.030 J
RAA10-N-O26	0-1	2/5/2004	ND(0.062)	ND(0.062)	0.036 J	ND(0.062)	0.036 J
RAA10-N-T23.5	0-1	1/28/2004	ND(0.098)	ND(0.098)	ND(0.098)	0.17	0.17
RAA10-N-U26	0-1	2/5/2004	ND(0.079)	ND(0.079)	ND(0.079)	0.095	0.095
RAA10-N-X23.5	0-1	1/28/2004	ND(0.078)	0.080	0.55	0.29	0.92

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

Data Qualifiers:

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

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-N-CC22.5 0-1 01/28/04	RAA10-N-DD25 0-1 01/28/04	RAA10-N-E22 0-1 01/28/04	RAA10-N-HH25 0-1 01/28/04	RAA10-N-T23.5 0-1 01/28/04	RAA10-N-U26 0-1 02/05/04
Volatile Organics						
None Detected	--	--	--	--	--	--
Semivolatile Organics						
Acenaphthylene	ND(0.62)	0.55 J	ND(1.8)	0.37 J	ND(2.7)	ND(0.79)
Aniline	0.17 J	ND(1.4)	ND(1.8)	ND(0.66)	ND(2.7)	ND(0.79)
Anthracene	ND(0.62)	ND(1.4)	ND(1.8)	0.18 J	ND(2.7)	ND(0.79)
Benzo(a)anthracene	ND(0.62)	0.56 J	ND(1.8)	0.81	ND(2.7)	ND(0.79)
Benzo(a)pyrene	ND(0.62)	ND(1.4)	ND(1.8)	0.37 J	ND(2.7)	ND(0.79)
Benzo(b)fluoranthene	ND(0.62)	ND(1.4)	ND(1.8)	0.37 J	ND(2.7)	ND(0.79)
Benzo(g,h,i)perylene	ND(0.62)	ND(1.4)	ND(1.8)	0.19 J	ND(2.7)	ND(0.79)
Benzo(k)fluoranthene	ND(0.62)	0.36 J	ND(1.8)	0.47 J	ND(2.7)	ND(0.79)
Chrysene	ND(0.62)	0.52 J	ND(1.8)	0.85	ND(2.7)	ND(0.79)
Fluoranthene	0.17 J	1.2 J	ND(1.8)	2.6	ND(2.7)	ND(0.79)
Indeno(1,2,3-cd)pyrene	ND(0.62)	ND(1.4)	ND(1.8)	0.19 J	ND(2.7)	ND(0.79)
Phenanthrene	ND(0.62)	0.35 J	ND(1.8)	0.33 J	ND(2.7)	ND(0.79)
Pyrene	0.16 J	0.76 J	ND(1.8)	1.5	ND(2.7)	ND(0.79)
Organochlorine Pesticides						
4,4'-DDD	ND(0.15)	ND(0.043)	NA	NA	0.16	NA
4,4'-DDE	ND(0.15)	ND(0.043)	NA	NA	0.052	NA
Organophosphate Pesticides						
None Detected	--	--	NA	NA	--	NA
Herbicides						
None Detected	--	--	NA	NA	--	NA
Furans						
2,3,7,8-TCDF	0.000027 Y	ND(0.00000099)	NA	NA	ND(0.0000018)	NA
TCDFs (total)	0.0042 I	0.00018 I	NA	NA	0.000053 I	NA
1,2,3,7,8-PeCDF	ND(0.0000061)	ND(0.0000012)	NA	NA	ND(0.0000017)	NA
2,3,4,7,8-PeCDF	0.000037	ND(0.0000011)	NA	NA	ND(0.0000017)	NA
PeCDFs (total)	0.0033 I	0.00024 I	NA	NA	0.000080 I	NA
1,2,3,4,7,8-HxCDF	ND(0.0000033)	0.0000032	NA	NA	ND(0.0000015)	NA
1,2,3,6,7,8-HxCDF	ND(0.0000031)	ND(0.00000065)	NA	NA	ND(0.0000014)	NA
1,2,3,7,8,9-HxCDF	ND(0.0000030)	ND(0.00000040)	NA	NA	ND(0.0000010)	NA
2,3,4,6,7,8-HxCDF	ND(0.0000027)	ND(0.00000052)	NA	NA	ND(0.0000011)	NA
HxCDFs (total)	0.00098 I	0.000070 I	NA	NA	0.000042 I	NA
1,2,3,4,6,7,8-HpCDF	0.000095 I	0.000010 I	NA	NA	0.0000088 I	NA
1,2,3,4,7,8,9-HpCDF	ND(0.0000011)	ND(0.00000030)	NA	NA	ND(0.00000074)	NA
HpCDFs (total)	0.00013 I	0.000015 I	NA	NA	0.0000097 I	NA
OCDF	ND(0.000027) X	0.0000072	NA	NA	ND(0.0000020)	NA
Dioxins						
2,3,7,8-TCDD	ND(0.0000015)	ND(0.00000033)	NA	NA	ND(0.0000012)	NA
TCDDs (total)	ND(0.0000015)	ND(0.00000033)	NA	NA	ND(0.0000012)	NA
1,2,3,7,8-PeCDD	ND(0.000012)	ND(0.0000017)	NA	NA	ND(0.0000041)	NA
PeCDDs (total)	ND(0.000012)	ND(0.0000017)	NA	NA	ND(0.0000041)	NA
1,2,3,4,7,8-HxCDD	ND(0.0000040)	ND(0.00000059)	NA	NA	ND(0.0000017)	NA
1,2,3,6,7,8-HxCDD	ND(0.0000041)	ND(0.00000059)	NA	NA	ND(0.0000016)	NA
1,2,3,7,8,9-HxCDD	ND(0.0000038)	ND(0.00000054)	NA	NA	ND(0.0000015)	NA
HxCDDs (total)	ND(0.0000041)	ND(0.00000059)	NA	NA	ND(0.0000017)	NA
1,2,3,4,6,7,8-HpCDD	0.000017	0.0000096	NA	NA	ND(0.0000012)	NA
HpCDDs (total)	0.000017	0.000017	NA	NA	ND(0.0000012)	NA
OCDD	0.000093	0.000060	NA	NA	ND(0.000022) X	NA
Total TEQs (WHO TEFs)	0.000030	0.0000021	NA	NA	0.0000038	NA

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

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

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-N-CC22.5 0-1 01/28/04	RAA10-N-DD25 0-1 01/28/04	RAA10-N-E22 0-1 01/28/04	RAA10-N-HH25 0-1 01/28/04	RAA10-N-T23.5 0-1 01/28/04	RAA10-N-U26 0-1 02/05/04
Inorganics							
Antimony		1.90 B	1.30 B	ND(6.00)	1.20 B	2.40 B	ND(6.00)
Arsenic		4.50	3.10	2.60	3.70	4.10	2.80
Barium		26.0	34.0	81.0	20.0	89.0	78.0
Beryllium		0.180 B	0.240 B	0.570	0.170 B	0.700	0.770
Cadmium		0.320 B	0.260 B	0.410 B	0.360 B	0.560	0.530
Chromium		7.50	5.80	12.0	7.20	15.0	15.0
Cobalt		6.00	5.80	3.60 B	5.00 B	5.40	5.70
Copper		18.0	12.0	18.0	23.0	25.0	26.0
Cyanide		0.0780 B	0.180	0.300	0.290	0.150 B	0.110 B
Lead		16.0	16.0	17.0	23.0	14.0	14.0
Mercury		0.540	0.0730 B	0.0980 B	0.0630 B	0.160 B	0.240
Nickel		12.0	8.90	9.70	9.90	17.0	17.0
Selenium		ND(1.20)	ND(1.10)	ND(1.60)	ND(1.00)	ND(2.20)	1.20 B
Silver		1.00 B	ND(1.10)	ND(1.60)	0.250 B	ND(2.20)	ND(1.80)
Sulfide		9.90	22.0	27.0	14.0	ND(15.0)	23.0
Tin		4.80 B	5.20 B	6.60 B	5.60 B	9.90 B	5.90 B
Vanadium		7.30	7.40	11.0	7.50	18.0	19.0
Zinc		53.0	50.0	52.0	110	62.0	54.0

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

Data Qualifiers:

Organics (volatiles, semivolatiles, pesticides, herbicides, dioxin/furans)
- J - Indicates an estimated value less than the practical quantitation limit (PQL).
- I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
- X - Estimated maximum possible concentration.
- Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

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

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

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

a. Activities Undertaken/Completed

- Conducted supplemental pre-design soil sampling.
- Continued efforts to obtain access for sampling to Parcel I8-23-5 (owned by ExxonMobil).

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 supplemental pre-design soil sampling at properties where access has been obtained.
- Continue efforts to obtain access for sampling to Parcel I8-23-5 (owned by ExxonMobil).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Access for sampling has not been granted to date by the owner of Parcel I8-23-5 (ExxonMobil).

f. Proposed/Approved Work Plan Modifications

Soil boring location RAA4-V11.5 at Parcel I8-23-10 may be relocated due to the proximity of the miniature golf course.

TABLE 8-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING FEBRUARY 2004

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

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Additional Supplemental Pre-Design Soil Investigation	RAA11-DUP-3 (RAA11-I27)	2/6/04	6-10	Soil	CT&E	PCB	2/12/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-E15	1/22/04	10-15	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	2/3/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-E15	1/22/04	10-12	Soil	CT&E	VOC	2/3/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-G29	2/6/04	0-1	Soil	CT&E	PCB	2/12/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-G29	2/6/04	1-3	Soil	CT&E	PCB	2/12/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-G29	2/6/04	10-15	Soil	CT&E	PCB	2/12/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-G29	2/6/04	3-6	Soil	CT&E	PCB	2/12/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-G29	2/6/04	6-10	Soil	CT&E	PCB	2/12/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-H28	2/6/04	0-1	Soil	CT&E	PCB	2/12/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-I25A	1/22/04	1-3	Soil	CT&E	PCB	2/3/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-I25A	1/22/04	10-15	Soil	CT&E	PCB	2/3/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-I25A	1/22/04	3-6	Soil	CT&E	PCB	2/3/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-I25A	1/22/04	6-10	Soil	CT&E	PCB	2/3/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-I27	2/6/04	0-1	Soil	CT&E	PCB	2/12/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-I27	2/6/04	1-3	Soil	CT&E	PCB	2/12/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-I27	2/6/04	10-15	Soil	CT&E	PCB	2/12/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-I27	2/6/04	3-6	Soil	CT&E	PCB	2/12/04
Additional Supplemental Pre-Design Soil Investigation	RAA11-I27	2/6/04	6-10	Soil	CT&E	PCB	2/12/04

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

TABLE 8-2
PCB DATA RECEIVED DURING FEBRUARY 2004

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

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA11-E15	10-15	1/22/2004	ND(0.046)	0.18	0.036 J	0.216
RAA11-G29	0-1	2/6/2004	ND(0.044)	0.062	0.039 J	0.101
	1-3	2/6/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	3-6	2/6/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	6-10	2/6/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	10-15	2/6/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA11-H28	0-1	2/6/2004	ND(0.045)	0.14	0.15	0.29
RAA11-I25A	1-3	1/22/2004	ND(0.038)	0.11	0.068	0.178
	3-6	1/22/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	6-10	1/22/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	10-15	1/22/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA11-I27	0-1	2/6/2004	ND(0.040)	0.13	0.11	0.24
	1-3	2/6/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	3-6	2/6/2004	ND(0.035)	0.13	0.18	0.31
	6-10	2/6/2004	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]
	10-15	2/6/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)

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

Data Qualifiers:

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

TABLE 8-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

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

Parameter	Sample ID: RAA11-E15 Sample Depth(Feet): 10-12 Date Collected: 01/22/04	Sample ID: RAA11-E15 Sample Depth(Feet): 10-15 Date Collected: 01/22/04
Volatile Organics		
Acetone	0.033	NA
Semivolatile Organics		
Acenaphthylene	NA	0.28 J
Anthracene	NA	0.12 J
Benzo(a)anthracene	NA	0.32 J
Benzo(a)pyrene	NA	0.40 J
Benzo(b)fluoranthene	NA	0.24 J
Benzo(g,h,i)perylene	NA	0.22 J
Benzo(k)fluoranthene	NA	0.29 J
Chrysene	NA	0.46
Fluoranthene	NA	0.40 J
Indeno(1,2,3-cd)pyrene	NA	0.15 J
Phenanthrene	NA	0.12 J
Pyrene	NA	0.72
Furans		
2,3,7,8-TCDF	NA	0.0000068 Y
TCDFs (total)	NA	0.000019 I
1,2,3,7,8-PeCDF	NA	0.0000031
2,3,4,7,8-PeCDF	NA	ND(0.00000052)
PeCDFs (total)	NA	0.000013 I
1,2,3,4,7,8-HxCDF	NA	ND(0.0000043) X
1,2,3,6,7,8-HxCDF	NA	0.0000034
1,2,3,7,8,9-HxCDF	NA	ND(0.0000027) X
2,3,4,6,7,8-HxCDF	NA	0.0000029
HxCDFs (total)	NA	0.0000089 I
1,2,3,4,6,7,8-HpCDF	NA	0.0000055 I
1,2,3,4,7,8,9-HpCDF	NA	ND(0.00000029)
HpCDFs (total)	NA	0.0000056 I
OCDF	NA	ND(0.0000049) X
Dioxins		
2,3,7,8-TCDD	NA	ND(0.00000051)
TCDDs (total)	NA	ND(0.00000051)
1,2,3,7,8-PeCDD	NA	ND(0.0000020)
PeCDDs (total)	NA	ND(0.0000020)
1,2,3,4,7,8-HxCDD	NA	ND(0.0000038) X
1,2,3,6,7,8-HxCDD	NA	ND(0.0000028) X
1,2,3,7,8,9-HxCDD	NA	ND(0.0000021) X
HxCDDs (total)	NA	ND(0.00000049)
1,2,3,4,6,7,8-HpCDD	NA	ND(0.00000047)
HpCDDs (total)	NA	ND(0.00000047)
OCDD	NA	0.0000093
Total TEQs (WHO TEFs)	NA	0.0000037

TABLE 8-3
APPENDIX IX+3 DATA RECEIVED DURING FEBRUARY 2004

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

Parameter / Sample ID: / Sample Depth(Feet): / Date Collected:	RAA11-E15 10-12 01/22/04	RAA11-E15 10-15 01/22/04
Inorganics		
Arsenic	NA	3.70
Barium	NA	41.0
Beryllium	NA	0.380 B
Cadmium	NA	0.410 B
Chromium	NA	18.0
Cobalt	NA	8.00
Copper	NA	40.0
Cyanide	NA	0.0910 B
Lead	NA	45.0
Mercury	NA	0.130 B
Nickel	NA	13.0
Selenium	NA	0.790 B
Sulfide	NA	44.0
Tin	NA	7.20 B
Vanadium	NA	9.80
Zinc	NA	84.0

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and were submitted to CT&E Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. NA - Not Analyzed - Laboratory did not report results for this analyte.
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.

Data Qualifiers:

Organics (volatiles, semivolatiles, dioxin/furans)

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

Inorganics

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

ITEM 9
LYMAN STREET AREA
(GECD430)
FEBRUARY 2004

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Submit Conceptual RD/RA Work Plan (due March 24, 2004).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 10
NEWELL STREET AREA I
(GECD440)
FEBRUARY 2004

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Submit final executed ERE and associated documentation for Parcel J9-23-24 following further discussions with EPA and MDEP.

- Continue discussions regarding access for remediation with non-GE property owners from whom access permission has not been obtained to date.

- Discuss draft EREs for GE-owned properties with EPA and MDEP and work on obtaining subordination agreements for easements at those properties.

- Complete remaining remediation/restoration activities at Parcels J9-23-16, -17, and -18 in spring 2004.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

GE will continue discussions with remaining non-GE property owners regarding access for remediation.

f. Proposed/Approved Work Plan Modifications

None

ITEM 11
NEWELL STREET AREA II
(GECD450)
FEBRUARY 2004

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

a. Activities Undertaken/Completed

Discussed supplemental soil sampling with EPA and MDEP.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Submit final supplemental sampling proposal.
- Following EPA approval of supplemental sampling proposal, conduct supplemental sampling.
- Continue development of Conceptual RD/RA Work Plan.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

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

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Following EPA approval of GE's preliminary RD/RA evaluation and supplemental soil sampling proposal (submitted on January 28, 2004), conduct supplemental soil sampling.

- Continue RD/RA evaluations.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

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

f. Proposed/Approved Work Plan Modifications

None

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

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

- Submitted a letter to EPA confirming the agreement between GE and EPA to postpone GE's report on the sediment isolation layer cap, including issues relating to total organic carbon (TOC) content in the isolation layer, until after GE is able to collect seepage meter data (February 10, 2004).

- Submitted the 2003 Annual Monitoring Report for the Upper ½ Mile Reach (February 11, 2004).

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

None

e. General Progress/Unresolved Issues/Potential Schedule Impacts

- Seepage meter monitoring has not occurred due to increased water levels.

- Issues relating to TOC content in isolation layer remain to be resolved. As noted above, EPA and GE have agreed that GE's report on those issues will be deferred until after the seepage meter data are available. Final Completion Report for Upper ½ Mile Reach Removal Action will be submitted following resolution of those issues.

f. Proposed/Approved Work Plan Modifications

None

ITEM 14
HOUSATONIC RIVER AREA
1½-MILE REACH
(GECD820)
FEBRUARY 2004

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

a. Activities Undertaken/Completed

On February 26, 2004, BBL (on GE's behalf) performed a round of water column monitoring at nine locations along the Housatonic River between Coltsville, MA and Great Barrington, MA. Two of these locations are situated in the 1½-Mile Reach: Lyman Street Bridge (Location 4) and Pomeroy Avenue Bridge (Location 6A). A composite grab sample was collected at each location and submitted to Northeast Analytical for analysis of PCBs (total), TSS, POC, and chlorophyll-a (see Table 14-1). (The other seven locations are discussed under Item 15 below.)

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled Activities (next six weeks)

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Monthly Water Column Sampling	Location-4	2/26/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column Sampling	Location-4	1/30/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	2/16/04
Monthly Water Column Sampling	Location-6A	2/26/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column Sampling	Location-6A	1/29/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	2/16/04

TABLE 14-2
SAMPLE DATA RECEIVED DURING FEBRUARY 2004

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

Sample ID	Location	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor 1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
LOCATION-4	Lyman Street Bridge	1/30/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.292	ND(0.995)	0.00040
LOCATION-6A	Pomeroy Ave. Bridge	1/29/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.403	ND(0.926)	0.00060

Notes:

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

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

a. Activities Undertaken/Completed

- On February 26, 2004, BBL (on GE's behalf) performed a round of water column monitoring at nine locations along the Housatonic River between Coltsville and Great Barrington, MA. Two locations are situated in the 1½-Mile Reach of the Housatonic River and were discussed in Item 14. Of the remaining seven locations, two are located upstream of the 1½-Mile Reach: Hubbard Avenue Bridge (Location 1) and Newell Street Bridge (Location 2). The five remaining locations are situated in the Rest of the River: Holmes Road Bridge (Location 7); New Lenox Road Bridge (Location 9); Woods Pond Headwaters (Location 10); Schweitzer Bridge (Location 12); and Division Street Bridge (Location 13). Sampling activities were performed at all these locations on February 26, 2004 from downstream to upstream. Composite grab samples were collected at each location sampled and submitted to Northeast Analytical for analysis of PCBs (total), TSS, POC, and chlorophyll-a (see Table 15-1).

- Conference call with EPA modeling team to discuss model development issues on February 18, 2004.*

b. Sampling/Test Results

See attached tables.

c. Work Plans/Reports/Documents Submitted

- Submitted *Quarterly Inspection Report (January 2004) for Woods Pond Dam, Housatonic River, Lee/Lenox, MA* (February 19, 2004).*

- Submitted a letter to EPA dated February 19, 2004, providing a summary of the principal changes that GE believes should be made to EPA's Human Health Risk Assessment.*

d. Upcoming Scheduled Activities (next six weeks)

- Continue Housatonic River monthly water column monitoring.

- Proceed with work on gate stem repairs at Rising Pond Dam as identified in the Structural Integrity Report submitted in June 2003 for that dam and based on the October 2003 gate stem inspection.* Discuss with owner of Rising Pond.

- Complete minor repair/maintenance activities at Woods Pond Dam as identified in the Structural Integrity Report submitted in June 2003, weather permitting.

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

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

- Submit a letter to EPA providing a summary of the principal changes that GE believes should be made to EPA's Ecological Risk Assessment.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No specific issues (other than those noted above).

f. Proposed/Approved Work Plan Modifications

None

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Monthly Water Column	HR-D1 (Location-1)	1/30/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	2/16/04
Monthly Water Column	HR-D1 (Location-1)	2/26/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column	Location-1	2/26/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column	Location-1	1/30/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	2/16/04
Monthly Water Column	Location-10	1/29/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	2/16/04
Monthly Water Column	Location-10	2/26/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column	Location-12	1/29/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	2/16/04
Monthly Water Column	Location-12	2/26/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column	Location-13	1/29/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	2/16/04
Monthly Water Column	Location-13	2/26/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column	Location-2	1/30/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	2/16/04
Monthly Water Column	Location-2	2/26/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column	Location-7	1/29/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	2/16/04
Monthly Water Column	Location-7	2/26/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column	Location-9	2/26/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column	Location-9	1/29/04	Water	NEA	PCB, TSS, POC, Chlorophyl-A	2/16/04

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

TABLE 15-2
SAMPLE DATA RECEIVED DURING FEBRUARY 2004

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

Sample ID	Location	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor 1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
LOCATION-1	Hubbard Ave. Bridge	1/30/2004 1/30/2004	ND(0.0000220) [ND(0.0000220)]	ND(0.0000220) [ND(0.0000220)]	ND(0.0000220) [ND(0.0000220)]	ND(0.0000220) [ND(0.0000220)]	0.394 [0.345]	ND(0.897) [ND(0.889)]	0.00050 [0.00050]
LOCATION-2	Newell Street Bridge	1/30/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.340	ND(0.901)	0.00060
LOCATION-7	Holmes Rd. Bridge	1/29/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.261	ND(0.909)	0.00060
LOCATION-9	New Lenox Rd. Bridge	1/29/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.352	ND(0.889)	0.00040
LOCATION-10	Headwaters of Woods Pond	1/29/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.218	ND(0.917)	0.00040
LOCATION-12	Schweitzer Bridge	1/29/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.346	ND(0.917)	0.00060
LOCATION-13	Division St. Bridge	1/29/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.298	2.01	0.0015

Notes:

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

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

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

a. Activities Undertaken/Completed

Obtained signed sampling access agreements from 17 property owners out of 28 requested for pre-design investigations of Phase 3 properties.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled Activities (next six weeks)

- Continue efforts to obtain access from the 11 remaining property owners in Phase 3 for pre-design soil investigations.

- Following EPA approval of Pre-Design Investigation Work Plan Addendum for Phase 3 Properties (submitted in January 2004), begin pre-design investigations of those properties.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Discuss with EPA schedule for pre-certification inspection and submittal of Final Completion Report for Phase 1 and Phase 2 properties, and ERE for City-owned property in Phase 2.

f. Proposed/Approved Work Plan Modifications

None

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled Activities (next six weeks)

None

e. General Progress/Unresolved Issues/Potential Schedule Impacts

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

f. Proposed/Approved Work Plan Modifications

None

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

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

a. Activities Undertaken/Completed

- Completed supplemental bank soil sampling at properties adjacent to Silver Lake, with the exception of two locations at Parcel I9-9-24 that were inaccessible due to a snow bank.

- Received from Weston (on behalf of EPA) soil samples collected at Parcel I9-9-19, where owner denied access to GE, and submitted those samples for analysis.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted Pre-Design Investigation Report for Silver Lake Sediments (February 10, 2004).

d. Upcoming Scheduled Activities (next six weeks)

- Continue water-level monitoring for piezometers (weather dependent).

- Continue water-level monitoring for wells (weather dependent).

- Continue supplemental soil investigations at properties adjacent to lake.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

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

f. Proposed/Approved Work Plan Modifications

None

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

SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Supplemental Soil Sampling	I9-10-8-SB-10	2/3/04	0-1	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-10-8-SB-10	2/3/04	1-3	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-10-8-SB-10	2/3/04	11-13	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-10-8-SB-10	2/3/04	13-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-10-8-SB-10	2/3/04	3-5	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-10-8-SB-10	2/3/04	5-7	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-10-8-SB-10	2/3/04	7-9	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-10-8-SB-10	2/3/04	9-11	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-10-8-SB-11	2/3/04	0-1	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-10-8-SB-11	2/3/04	1-3	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-10-8-SB-11	2/3/04	11-13	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-10-8-SB-11	2/3/04	13-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-10-8-SB-11	2/3/04	3-5	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-10-8-SB-11	2/3/04	5-7	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-10-8-SB-11	2/3/04	7-9	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-10-8-SB-11	2/3/04	9-11	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-10-8-SB-12	2/2/04	0-1	Soil	CT&E	PCB	2/6/04
Supplemental Soil Sampling	I9-10-8-SB-12	2/2/04	1-3	Soil	CT&E	PCB	2/6/04
Supplemental Soil Sampling	I9-10-8-SB-12	2/2/04	3-5	Soil	CT&E	PCB	2/12/04
Supplemental Soil Sampling	I9-10-8-SB-12	2/2/04	5-7	Soil	CT&E	PCB	2/13/04
Supplemental Soil Sampling	I9-10-8-SB-13	1/29/04	0-1	Soil	CT&E	PCB	2/4/04
Supplemental Soil Sampling	I9-10-8-SB-13	1/29/04	1-3	Soil	CT&E	PCB	2/4/04
Supplemental Soil Sampling	I9-10-8-SB-13	1/29/04	3-5	Soil	CT&E	PCB	2/12/04
Supplemental Soil Sampling	I9-10-8-SB-14	1/29/04	0-1	Soil	CT&E	PCB	2/4/04
Supplemental Soil Sampling	I9-10-8-SB-14	1/29/04	1-3	Soil	CT&E	PCB	2/4/04
Supplemental Soil Sampling	I9-10-8-SB-15	1/29/04	0-1	Soil	CT&E	PCB	2/4/04
Supplemental Soil Sampling	I9-10-8-SB-15	1/29/04	1-3	Soil	CT&E	PCB	2/4/04
Supplemental Soil Sampling	I9-10-8-SB-15	1/29/04	3-5	Soil	CT&E	PCB	2/12/04
Supplemental Soil Sampling	I9-9-1-SB-6	2/5/04	10-12	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-1-SB-6	2/5/04	12-14	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-1-SB-6	2/5/04	14-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-1-SB-6	2/5/04	8-10	Soil	CT&E	PCB	2/12/04
Supplemental Soil Sampling	I9-9-11-SB-7	2/13/04	0-1	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	I9-9-11-SB-7	2/13/04	1-3	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	I9-9-11-SB-7	2/13/04	10-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-11-SB-7	2/13/04	3-6	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	I9-9-11-SB-7	2/13/04	6-10	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-11-SB-8	2/13/04	0-1	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	I9-9-11-SB-8	2/13/04	1-3	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	I9-9-11-SB-8	2/13/04	10-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-11-SB-8	2/13/04	3-6	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	I9-9-11-SB-8	2/13/04	6-10	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-19-SB-1	2/17/04	0-1	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	I9-9-19-SB-1	2/17/04	1-3	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	I9-9-19-SB-1	2/17/04	3-5	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	I9-9-19-SB-1	2/17/04	5-7	Soil	CT&E	PCB	Extract and Hold

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

SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Supplemental Soil Sampling	I9-9-19-SB-1	2/17/04	7-9	Soil	CT&E	PCB	Extract and Hold
Supplemental Soil Sampling	I9-9-19-SB-1	2/17/04	9-11	Soil	CT&E	PCB	Extract and Hold
Supplemental Soil Sampling	I9-9-19-SB-1	2/17/04	0-1	Soil	CT&E	VOC, SVOC, Inorganics, PCDD/PCDF	
Supplemental Soil Sampling	I9-9-19-SB-1	2/17/04	3-5	Soil	CT&E	VOC, SVOC, Inorganics, PCDD/PCDF	
Supplemental Soil Sampling	I9-9-19-SB-2	2/17/04	0-1	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	I9-9-19-SB-2	2/17/04	1-3	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	I9-9-19-SB-2	2/17/04	3-5	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	I9-9-19-SB-2	2/17/04	5-7	Soil	CT&E	PCB	On Hold
Supplemental Soil Sampling	I9-9-19-SB-2	2/17/04	7-9	Soil	CT&E	PCB	On Hold
Supplemental Soil Sampling	I9-9-19-SB-2	2/17/04	9-11	Soil	CT&E	PCB	On Hold
Supplemental Soil Sampling	I9-9-19-SB-2	2/17/04	0-1	Soil	CT&E	VOC, SVOC, Inorganics, PCDD/PCDF	
Supplemental Soil Sampling	I9-9-19-SB-2	2/17/04	1-3	Soil	CT&E	VOC, SVOC, Inorganics, PCDD/PCDF	
Supplemental Soil Sampling	I9-9-19-SB-3	2/20/04	0-1	Soil	CT&E	PCB	On Hold
Supplemental Soil Sampling	I9-9-19-SB-3	2/20/04	3-5	Soil	CT&E	PCB	On Hold
Supplemental Soil Sampling	I9-9-19-SB-3	2/20/04	5-7	Soil	CT&E	PCB	On Hold
Supplemental Soil Sampling	I9-9-19-SB-3	2/20/04	7-8	Soil	CT&E	PCB	On Hold
Supplemental Soil Sampling	I9-9-19-SB-3	2/20/04	1-3	Soil	CT&E	PCB	On Hold
Supplemental Soil Sampling	I9-9-19-SB-3	2/20/04	1-3	Soil	CT&E	VOC, SVOC, Inorganics, PCDD/PCDF	Extract and Hold
Supplemental Soil Sampling	I9-9-19-SS-1	2/17/04	0-1	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	I9-9-19-SS-2	2/20/04	0-1	Soil	CT&E	PCB	On Hold
Supplemental Soil Sampling	I9-9-19-SS-2	2/20/04	0-1	Soil	CT&E	VOC, SVOC, Inorganics, PCDD/PCDF	Extract and Hold
Supplemental Soil Sampling	I9-9-19-SS-3	2/20/04	0-1	Soil	CT&E	PCB	On Hold
Supplemental Soil Sampling	I9-9-21-SB-6	2/19/04	0-1	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-21-SB-6	2/19/04	1-3	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-21-SB-6	2/19/04	10-15	Soil	CT&E	PCB	
Supplemental Soil Sampling	I9-9-21-SB-6	2/19/04	3-6	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-21-SB-6	2/19/04	6-10	Soil	CT&E	PCB	2/27/04
Supplemental Soil Sampling	I9-9-21-SB-7	2/19/04	0-1	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-21-SB-7	2/19/04	1-3	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-21-SB-7	2/19/04	10-15	Soil	CT&E	PCB	
Supplemental Soil Sampling	I9-9-21-SB-7	2/19/04	3-6	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-21-SB-7	2/19/04	6-10	Soil	CT&E	PCB	2/27/04
Supplemental Soil Sampling	I9-9-21-SB-8	2/18/04	0-1	Soil	CT&E	PCB	2/23/04
Supplemental Soil Sampling	I9-9-21-SB-8	2/18/04	1-3	Soil	CT&E	PCB	2/23/04
Supplemental Soil Sampling	I9-9-21-SB-8	2/18/04	10-15	Soil	CT&E	PCB	2/25/04
Supplemental Soil Sampling	I9-9-21-SB-8	2/18/04	3-6	Soil	CT&E	PCB	2/23/04
Supplemental Soil Sampling	I9-9-21-SB-8	2/18/04	6-10	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-21-SB-9	2/19/04	0-1	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-21-SB-9	2/19/04	1-3	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-21-SB-9	2/19/04	10-15	Soil	CT&E	PCB	
Supplemental Soil Sampling	I9-9-21-SB-9	2/19/04	3-6	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-21-SB-9	2/19/04	6-10	Soil	CT&E	PCB	2/27/04
Supplemental Soil Sampling	I9-9-24-SB-3	2/9/04	0-1	Soil	CT&E	PCB	2/12/04
Supplemental Soil Sampling	I9-9-24-SB-3	2/9/04	1-3	Soil	CT&E	PCB	2/12/04
Supplemental Soil Sampling	I9-9-24-SB-3	2/9/04	11-13	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-24-SB-3	2/9/04	13-15	Soil	CT&E	PCB	Not Required

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

SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Supplemental Soil Sampling	I9-9-24-SB-3	2/9/04	3-5	Soil	CT&E	PCB	2/12/04
Supplemental Soil Sampling	I9-9-24-SB-3	2/9/04	5-7	Soil	CT&E	PCB	2/17/04
Supplemental Soil Sampling	I9-9-24-SB-3	2/9/04	7-9	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-24-SB-3	2/9/04	9-11	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-24-SB-4	2/10/04	0-1	Soil	CT&E	PCB	2/16/04
Supplemental Soil Sampling	I9-9-24-SB-4	2/10/04	1-3	Soil	CT&E	PCB	2/16/04
Supplemental Soil Sampling	I9-9-24-SB-4	2/10/04	3-5	Soil	CT&E	PCB	2/16/04
Supplemental Soil Sampling	I9-9-24-SB-4	2/10/04	5-7	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-24-SB-4	2/10/04	7-9	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-24-SB-4	2/10/04	9-11	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-24-SB-5	2/10/04	0-1	Soil	CT&E	PCB	2/16/04
Supplemental Soil Sampling	I9-9-24-SB-5	2/10/04	1-3	Soil	CT&E	PCB	2/16/04
Supplemental Soil Sampling	I9-9-24-SB-5	2/10/04	11-13	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-24-SB-5	2/10/04	13-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-24-SB-5	2/10/04	3-5	Soil	CT&E	PCB	2/16/04
Supplemental Soil Sampling	I9-9-24-SB-5	2/10/04	5-7	Soil	CT&E	PCB	2/17/04
Supplemental Soil Sampling	I9-9-24-SB-5	2/10/04	7-9	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-24-SB-5	2/10/04	9-11	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-24-SB-6	2/10/04	0-1	Soil	CT&E	PCB	2/16/04
Supplemental Soil Sampling	I9-9-24-SB-6	2/10/04	1-3	Soil	CT&E	PCB	2/16/04
Supplemental Soil Sampling	I9-9-25-SB-8	2/11/04	0-1	Soil	CT&E	PCB	2/17/04
Supplemental Soil Sampling	I9-9-25-SB-8	2/11/04	1-3	Soil	CT&E	PCB	2/17/04
Supplemental Soil Sampling	I9-9-25-SB-8	2/11/04	10-15	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-25-SB-8	2/11/04	3-6	Soil	CT&E	PCB	2/17/04
Supplemental Soil Sampling	I9-9-25-SB-8	2/11/04	6-10	Soil	CT&E	PCB	2/17/04
Supplemental Soil Sampling	I9-9-25-SB-9	2/11/04	0-1	Soil	CT&E	PCB	2/17/04
Supplemental Soil Sampling	I9-9-25-SB-9	2/11/04	1-3	Soil	CT&E	PCB	2/17/04
Supplemental Soil Sampling	I9-9-25-SB-9	2/11/04	10-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-25-SB-9	2/11/04	3-6	Soil	CT&E	PCB	2/17/04
Supplemental Soil Sampling	I9-9-25-SB-9	2/11/04	6-10	Soil	CT&E	PCB	2/17/04
Supplemental Soil Sampling	I9-9-30-SB-10	2/18/04	0-1	Soil	CT&E	PCB	2/23/04
Supplemental Soil Sampling	I9-9-30-SB-10	2/18/04	1-3	Soil	CT&E	PCB	2/23/04
Supplemental Soil Sampling	I9-9-30-SB-10	2/18/04	10-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-30-SB-10	2/18/04	3-6	Soil	CT&E	PCB	2/23/04
Supplemental Soil Sampling	I9-9-30-SB-10	2/18/04	6-10	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-30-SB-11	2/18/04	0-1	Soil	CT&E	PCB	2/23/04
Supplemental Soil Sampling	I9-9-30-SB-11	2/18/04	1-3	Soil	CT&E	PCB	2/23/04
Supplemental Soil Sampling	I9-9-30-SB-11	2/18/04	10-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-30-SB-11	2/18/04	3-6	Soil	CT&E	PCB	2/23/04
Supplemental Soil Sampling	I9-9-30-SB-11	2/18/04	6-10	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-30-SB-8	2/18/04	0-1	Soil	CT&E	PCB	2/23/04
Supplemental Soil Sampling	I9-9-30-SB-8	2/18/04	1-3	Soil	CT&E	PCB	2/23/04
Supplemental Soil Sampling	I9-9-30-SB-8	2/18/04	10-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-30-SB-8	2/18/04	3-6	Soil	CT&E	PCB	2/23/04
Supplemental Soil Sampling	I9-9-30-SB-8	2/18/04	6-10	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-30-SB-9	2/18/04	0-1	Soil	CT&E	PCB	2/23/04

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

SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Supplemental Soil Sampling	I9-9-30-SB-9	2/18/04	1-3	Soil	CT&E	PCB	2/23/04
Supplemental Soil Sampling	I9-9-30-SB-9	2/18/04	10-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-30-SB-9	2/18/04	3-6	Soil	CT&E	PCB	2/23/04
Supplemental Soil Sampling	I9-9-30-SB-9	2/18/04	6-10	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-31-SB-4	2/13/04	0-1	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-31-SB-4	2/13/04	1-3	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-31-SB-4	2/13/04	10-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-31-SB-4	2/13/04	3-6	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-31-SB-4	2/13/04	6-10	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-31-SB-5	2/12/04	0-1	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-31-SB-5	2/12/04	1-3	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-31-SB-5	2/12/04	10-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-31-SB-5	2/12/04	3-6	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-31-SB-5	2/12/04	6-10	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-32-SB-2	2/13/04	1-3	Soil	CT&E	SVOC	
Supplemental Soil Sampling	I9-9-32-SB-4	2/13/04	0-1	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	I9-9-32-SB-4	2/13/04	1-3	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	I9-9-32-SB-4	2/13/04	3-6	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	I9-9-34-SB-10	2/19/04	0-1	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-34-SB-10	2/19/04	1-3	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-34-SB-10	2/19/04	10-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-34-SB-10	2/19/04	3-6	Soil	CT&E	PCB	2/24/04
Supplemental Soil Sampling	I9-9-34-SB-10	2/19/04	6-10	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-34-SB-11	2/20/04	0-1	Soil	CT&E	PCB	2/25/04
Supplemental Soil Sampling	I9-9-34-SB-11	2/20/04	1-3	Soil	CT&E	PCB	2/25/04
Supplemental Soil Sampling	I9-9-34-SB-11	2/20/04	10-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-34-SB-11	2/20/04	3-6	Soil	CT&E	PCB	2/25/04
Supplemental Soil Sampling	I9-9-34-SB-11	2/20/04	6-10	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-34-SB-12	2/20/04	0-1	Soil	CT&E	PCB	2/25/04
Supplemental Soil Sampling	I9-9-34-SB-12	2/20/04	1-3	Soil	CT&E	PCB	2/25/04
Supplemental Soil Sampling	I9-9-34-SB-12	2/20/04	10-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-34-SB-12	2/20/04	3-6	Soil	CT&E	PCB	2/25/04
Supplemental Soil Sampling	I9-9-34-SB-12	2/20/04	6-10	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-9-SB-1	1/30/04	11-13	Soil	CT&E	PCB	2/6/04
Supplemental Soil Sampling	I9-9-9-SB-4	1/30/04	0-1	Soil	CT&E	PCB	2/6/04
Supplemental Soil Sampling	I9-9-9-SB-4	1/30/04	1-3	Soil	CT&E	PCB	2/6/04
Supplemental Soil Sampling	I9-9-9-SB-4	1/30/04	3-5	Soil	CT&E	PCB	2/6/04
Supplemental Soil Sampling	I9-9-9-SB-4	1/30/04	5-7	Soil	CT&E	PCB	2/6/04
Supplemental Soil Sampling	I9-9-9-SB-4	1/30/04	7-9	Soil	CT&E	PCB	2/6/04
Supplemental Soil Sampling	I9-9-9-SB-4	1/30/04	9-11	Soil	CT&E	PCB	2/6/04
Supplemental Soil Sampling	I9-9-9-SB-5	2/3/04	0-1	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-5	2/3/04	1-3	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-5	2/3/04	11-13	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-9-SB-5	2/3/04	13-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-9-SB-5	2/3/04	3-5	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-5	2/3/04	5-7	Soil	CT&E	PCB	2/9/04

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

SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Supplemental Soil Sampling	I9-9-9-SB-5	2/3/04	7-9	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-5	2/3/04	9-11	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-6	2/3/04	0-1	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-6	2/3/04	1-3	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-6	2/3/04	11-13	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-9-SB-6	2/3/04	13-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-9-SB-6	2/3/04	3-5	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-6	2/3/04	5-7	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-6	2/3/04	7-9	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-6	2/3/04	9-11	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-7	2/3/04	0-1	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-7	2/3/04	1-3	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-7	2/3/04	11-13	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-9-SB-7	2/3/04	13-15	Soil	CT&E	PCB	Not Required
Supplemental Soil Sampling	I9-9-9-SB-7	2/3/04	3-5	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-7	2/3/04	5-7	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-7	2/3/04	7-9	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-7	2/3/04	9-11	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	I9-9-9-SB-8	1/30/04	0-1	Soil	CT&E	PCB	2/6/04
Supplemental Soil Sampling	I9-9-9-SB-8	1/30/04	1-3	Soil	CT&E	PCB	2/6/04
Supplemental Soil Sampling	I9-9-9-SB-8	1/30/04	3-5	Soil	CT&E	PCB	2/6/04
Supplemental Soil Sampling	I9-9-9-SB-8	1/30/04	5-7	Soil	CT&E	PCB	2/6/04
Supplemental Soil Sampling	I9-9-9-SB-8	1/30/04	7-9	Soil	CT&E	PCB	2/6/04
Supplemental Soil Sampling	I9-9-9-SB-8	1/30/04	9-11	Soil	CT&E	PCB	2/6/04
Supplemental Soil Sampling	SL-DUP-22 (I9-9-9-SB-8)	1/30/04	3-5	Soil	CT&E	PCB	2/6/04
Supplemental Soil Sampling	SL-DUP-23 (I9-9-9-SB-6)	2/3/04	3-5	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	SL-DUP-24 (I9-10-8-SB-10)	2/3/04	1-3	Soil	CT&E	PCB	2/9/04
Supplemental Soil Sampling	SL-DUP-25 (I9-9-24-SB-5)	2/10/04	3-5	Soil	CT&E	PCB	2/16/04
Supplemental Soil Sampling	SL-DUP-26 (I9-9-19-SB-2)	2/17/04	1-3	Soil	CT&E	PCB	2/20/04
Supplemental Soil Sampling	SL-DUP-26 (I9-9-19-SB-2)	2/17/04	1-3	Soil	CT&E	VOC, SVOC, Inorganics, PCDD/PCDF	
Supplemental Soil Sampling	SL-DUP-27 (I9-9-21-SB-8)	2/18/04	3-6	Soil	CT&E	PCB	2/23/04
Supplemental Soil Sampling	SL-DUP-28 (I9-9-34-SB-11)	2/20/04	1-3	Soil	CT&E	PCB	2/25/04

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

TABLE 20-2
PCB DATA RECEIVED DURING FEBRUARY 2004

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
I9-9-1-SB-6	8-10	2/5/2004	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)
I9-9-9-SB-1	11-13	1/30/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
I9-9-9-SB-4	0-1	1/30/2004	ND(0.040)	0.15	0.21	0.36
	1-3	1/30/2004	ND(0.038)	0.088	0.032 J	0.12
	3-5	1/30/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	5-7	1/30/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	7-9	1/30/2004	ND(0.069)	ND(0.069)	ND(0.069)	ND(0.069)
	9-11	1/30/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)
I9-9-9-SB-5	0-1	2/3/2004	ND(0.042)	0.39	0.23	0.62
	1-3	2/3/2004	ND(0.037)	0.17	0.071	0.241
	3-5	2/3/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	5-7	2/3/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	7-9	2/3/2004	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)
	9-11	2/3/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
I9-9-9-SB-6	0-1	2/3/2004	ND(0.040)	0.24	0.18	0.42
	1-3	2/3/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	3-5	2/3/2004	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]
	5-7	2/3/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	7-9	2/3/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	9-11	2/3/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
I9-9-9-SB-7	0-1	2/3/2004	ND(0.045)	0.56	0.29	0.85
	1-3	2/3/2004	ND(0.040)	0.058	0.029 J	0.087
	3-5	2/3/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	5-7	2/3/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	7-9	2/3/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	9-11	2/3/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
I9-9-9-SB-8	0-1	1/30/2004	ND(0.044)	0.21	0.14	0.35
	1-3	1/30/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	3-5	1/30/2004	ND(0.042) [ND(0.045)]	ND(0.042) [ND(0.045)]	ND(0.042) [ND(0.045)]	ND(0.042) [ND(0.045)]
	5-7	1/30/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	7-9	1/30/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	9-11	1/30/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
I9-9-11-SB-7	0-1	2/13/2004	ND(0.041)	0.056	0.10	0.156
	1-3	2/13/2004	ND(0.038)	0.10	0.087	0.187
	3-6	2/13/2004	ND(0.20)	3.7	2.1	5.8
	6-10	2/13/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
I9-9-11-SB-8	0-1	2/13/2004	ND(0.042)	0.56	0.33	0.89
	1-3	2/13/2004	ND(0.040)	0.90	0.26	1.16
	3-6	2/13/2004	ND(0.046)	0.31	0.064	0.374
	6-10	2/13/2004	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)
I9-9-19-SB-1	0-1	2/17/2004	ND(0.053)	0.55	0.37	0.92
	1-3	2/17/2004	ND(0.044)	0.11	0.042 J	0.152
	3-5	2/17/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
I9-9-19-SB-2	0-1	2/17/2004	ND(0.054)	0.53	0.59	1.12
	1-3	2/17/2004	ND(0.053) [ND(0.049)]	0.27 [0.31]	0.13 [0.17]	0.40 [0.48]
	3-5	2/17/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
I9-9-19-SS-1	0-1	2/17/2004	ND(0.047)	0.72	0.50	1.22
I9-9-21-SB-6	0-1	2/19/2004	ND(0.19)	1.1	0.62	1.72
	1-3	2/19/2004	ND(0.039)	0.17	0.16	0.33
	3-6	2/19/2004	ND(2.0)	16	11	27
	6-10	2/19/2004	ND(2.1)	21	7.0	28
I9-9-21-SB-7	0-1	2/19/2004	ND(0.36)	5.8	5.3	11.1
	1-3	2/19/2004	ND(3.7)	17	40	57
	3-6	2/19/2004	ND(19)	ND(19)	70	70
	6-10	2/19/2004	ND(21)	280	320	600

TABLE 20-2
PCB DATA RECEIVED DURING FEBRUARY 2004

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
I9-9-21-SB-8	0-1	2/18/2004	ND(0.038)	1.2	0.55	1.75
	1-3	2/18/2004	ND(0.041)	0.38	0.53	0.91
	3-6	2/18/2004	ND(0.45) [ND(2.3)]	ND(0.45) [ND(2.3)]	4.7 [13]	4.7 [13]
	6-10	2/18/2004	ND(0.21)	ND(0.21)	3.6	3.6
	10-15	2/18/2004	ND(0.045)	0.26	0.15	0.41
I9-9-21-SB-9	0-1	2/19/2004	ND(0.041)	0.31	0.22	0.53
	1-3	2/19/2004	ND(0.041)	0.20	0.075	0.275
	3-6	2/19/2004	ND(0.044)	0.22	0.053	0.273
	6-10	2/19/2004	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)
I9-9-24-SB-3	0-1	2/9/2004	ND(0.052)	0.31	0.24	0.55
	1-3	2/9/2004	ND(0.044)	1.2	0.77	1.97
	3-5	2/9/2004	ND(0.047)	0.42	0.14	0.56
	5-7	2/9/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)
I9-9-24-SB-4	0-1	2/10/2004	ND(0.058)	0.27	0.13	0.40
	1-3	2/10/2004	ND(0.052)	0.40	0.19	0.59
	3-5	2/10/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
I9-9-24-SB-5	0-1	2/10/2004	ND(0.060)	0.14	0.085	0.225
	1-3	2/10/2004	ND(0.055)	0.32	0.18	0.50
	3-5	2/10/2004	ND(0.046) [ND(0.043)]	0.19 [0.16]	0.086 [0.079]	0.276 [0.239]
	5-7	2/10/2004	ND(0.044)	0.033 J	ND(0.044)	0.033 J
I9-9-24-SB-6	0-1	2/10/2004	ND(0.045)	0.19	0.20	0.39
	1-3	2/10/2004	ND(0.045)	0.58	0.64	1.22
I9-9-25-SB-8	0-1	2/11/2004	ND(0.040)	0.70	0.23	0.93
	1-3	2/11/2004	ND(3.6)	28	ND(3.6)	28
	3-6	2/11/2004	ND(0.039)	1.2	0.44	1.64
	6-10	2/11/2004	ND(0.047)	0.23	ND(0.047)	0.23
	10-15	2/11/2004	ND(0.060)	0.028 J	ND(0.060)	0.028 J
I9-9-25-SB-9	0-1	2/11/2004	ND(0.037)	0.070	0.066	0.136
	1-3	2/11/2004	ND(0.036)	0.45	0.23	0.68
	3-6	2/11/2004	ND(0.22)	2.1	0.65	2.75
	6-10	2/11/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
I9-9-30-SB-8	0-1	2/18/2004	ND(0.038)	0.31	0.22	0.53
	1-3	2/18/2004	ND(0.040)	1.4	0.97	2.37
	3-6	2/18/2004	ND(0.045)	0.54	0.24	0.78
	6-10	2/18/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
I9-9-30-SB-9	0-1	2/18/2004	ND(0.043)	0.24	0.17	0.41
	1-3	2/18/2004	ND(0.045)	0.73	0.24	0.97
	3-6	2/18/2004	ND(0.038)	0.60	0.15	0.75
	6-10	2/18/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
I9-9-30-SB-10	0-1	2/18/2004	ND(0.038)	0.35	0.12	0.47
	1-3	2/18/2004	ND(0.039)	0.23	0.071	0.301
	3-6	2/18/2004	ND(0.040)	0.11	0.033 J	0.143
	6-10	2/18/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
I9-9-30-SB-11	0-1	2/18/2004	ND(0.038)	0.44	0.29	0.73
	1-3	2/18/2004	ND(0.041)	0.45	0.16	0.61
	3-6	2/18/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
I9-9-32-SB-4	0-1	2/13/2004	ND(0.038)	0.16	0.12	0.28
	1-3	2/13/2004	ND(0.039)	0.27	0.30	0.57
	3-6	2/13/2004	ND(0.038)	0.46	0.17	0.63
I9-9-34-SB-10	0-1	2/19/2004	ND(0.21)	1.2	0.68	1.88
	1-3	2/19/2004	ND(0.039)	0.034 J	0.024 J	0.058 J
	3-6	2/19/2004	ND(0.039)	0.020 J	ND(0.039)	0.020 J
I9-9-34-SB-11	0-1	2/20/2004	ND(0.040)	0.41	0.41	0.82
	1-3	2/20/2004	ND(0.039) [ND(0.038)]	0.41 [0.38]	0.13 [0.11]	0.54 [0.49]
	3-6	2/20/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)

TABLE 20-2
PCB DATA RECEIVED DURING FEBRUARY 2004

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
I9-9-34-SB-12	0-1	2/20/2004	ND(0.036)	ND(0.036)	0.041	0.041
	1-3	2/20/2004	ND(0.037)	0.26	0.12	0.38
	3-6	2/20/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
I9-10-8-SB-10	0-1	2/3/2004	ND(0.058)	0.30	0.26	0.56
	1-3	2/3/2004	ND(0.041) [ND(0.046)]	0.28 [0.26]	0.12 [0.11]	0.40 [0.37]
	3-5	2/3/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	5-7	2/3/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	7-9	2/3/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
I9-10-8-SB-11	0-1	2/3/2004	ND(0.041)	0.26	0.32	0.58
	1-3	2/3/2004	ND(0.044)	0.69	0.43	1.12
	3-5	2/3/2004	ND(0.042)	0.31	0.12	0.43
	5-7	2/3/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	7-9	2/3/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
I9-10-8-SB-12	0-1	2/2/2004	ND(0.049)	0.31	0.33	0.64
	1-3	2/2/2004	ND(0.036)	0.32	0.35	0.67
	3-5	2/2/2004	ND(4.2)	14	ND(4.2)	14
	5-7	2/2/2004	ND(4.7)	17	16	33
I9-10-8-SB-13	0-1	1/29/2004	ND(0.043)	0.63	0.49	1.12
	1-3	1/29/2004	ND(0.040)	0.045	0.048	0.093
	3-5	1/29/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
I9-10-8-SB-14	0-1	1/29/2004	ND(0.040)	0.42	0.34	0.76
	1-3	1/29/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
I9-10-8-SB-15	0-1	1/29/2004	ND(0.048)	1.3	0.59	1.89
	1-3	1/29/2004	ND(0.040)	0.66	0.33	0.99
	3-5	1/29/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)

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

Data Qualifiers:

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

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

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

a. Activities Undertaken/Completed

East Street Area 1-North and South:

- Continued automated groundwater and NAPL pumping at North Side and South Side Caissons. No oil was removed from the caissons in February.

- Continued routine well monitoring and manual NAPL removal activities. Recoverable quantities of NAPL were not encountered in the wells monitored in this area.

East Street Area 2-South:

- Continued automated groundwater and LNAPL removal activities. A total of approximately 4,956,948 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 935 gallons of LNAPL were removed from pumping systems 64R, 64V, RW-1(S), 64X, and 64S Caisson. Summary tables follow.

- Continued automated DNAPL removal activities. Removed approximately 49 gallons of DNAPL from pumping system RW-3(X). Summary tables follow.

- Continued routine well monitoring and manual NAPL removal activities. Approximately 2.99 liters (0.79 gallon) of LNAPL was removed from wells in this area. Summary tables follow.

- Treated/discharged 5,069,971 gallons of water through 64G Groundwater Treatment Facility.

East Street Area 2-North:

- Continued routine well monitoring and manual NAPL removal activities. Recoverable quantities of NAPL were not encountered in the wells monitored in this area.

20s, 30s, and 40s Complexes:

- Continued routine well monitoring and manual NAPL removal activities. Recoverable quantities of NAPL were not encountered in the wells monitored in this area.

- Removed oil skimmer from Building 42 elevator shaft in preparation for decommissioning the shaft prior to building demolition.

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

a. Activities Undertaken/Completed (cont'd)

Lyman Street Area:

- Continued automated groundwater and NAPL removal activities. No LNAPL was removed from well RW-3 during February.

- Continued routine well monitoring and manual NAPL removal activities. Approximately 1.26 liters (0.33 gallon) of DNAPL were removed from wells located in this area. Summary tables follow.

Newell Street Area II:

- Continued automated DNAPL recovery, with the collection of approximately 164.5 gallons of DNAPL from the automated collection systems.

- Continued routine well monitoring and manual NAPL removal activities. Recoverable quantities of NAPL were not encountered in the wells in this area.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted NAPL Monitoring Interim Report for Fall 2003 (February 27, 2004).

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

- Decommission well MW-4 at the Lyman Street Area.

- Complete inspection of wells to be sampled in spring 2004.

- Inspect well ESA1S-33 and purge with a bladder pump to determine if the well can produce low turbidity samples. If necessary, the well may be replaced prior to the spring 2004 sampling event.

- Conduct semi-annual bailing round at all wells that contained NAPL in 2003.

- Initiate semi-annual groundwater elevation and NAPL monitoring event.

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

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

- Conduct spring 2004 interim groundwater sampling event.

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Seven wells that require inspection prior to the spring 2004 sampling events (wells 139, ES1-14, ES15-33, GMA1-2, ES2-2A, LS-29, and LSSC-18) remained inaccessible or unable to be located in February 2004 due to snow and ice cover. GE will return to those wells prior to sampling in spring 2004.

f. Proposed/Approved Work Plan Modifications

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

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

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

Caisson	Month	Vol. LNAPL Collected (gallon)	Vol. Water Recovered (gallon)	Percent Downtime*
Northside	February 2003	5.0	21,500	
	March 2003	0.0	31,900	
	April 2003	2.0	45,800	
	May 2003	0.0	21,400	
	June 2003	0.0	20,800	
	July 2003	0.0	23,100	
	August 2003	0.0	13,800	
	September 2003	5.0	26,800	0.074 Power Outage
	October 2003	0.0	22,700	
	November 2003	0.0	37,300	
	December 2003	0.0	47,300	
	January 2004	2.5	23,700	0.40
	February 2004	0.0	16,300	
Southside	February 2003	1.0	54,600	
	March 2003	0.0	43,600	1.8
	April 2003	0.0	12,500	
	May 2003	0.0	93,200	
	June 2003	0.0	100,100	
	July 2003	2.0	101,000	
	August 2003	0.0	65,900	1.19
	September 2003	0.0	77,600	0.074 Power Outage
	October 2003	0.0	94,000	
	November 2003	0.0	85,100	
	December 2003	0.0	106,600	
	January 2004	2.5	72,500	0.40
	February 2004	0.0	54,000	

TABLE 21-2
ROUTINE WELL MONITORING
EAST STREET AREA 1 - NORTH & SOUTH
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
GMA 1 - East Street Area 1 - North									
North Cassion	997.84	2/4/2004	18.21	18.19	0.02	---	NM	0.00	979.65
North Cassion	997.84	2/11/2004	18.08	P	< 0.01	---	NM	0.00	979.76
North Cassion	997.84	2/18/2004	18.15	P	< 0.01	---	19.80	0.00	979.69
North Cassion	997.84	2/25/2004	18.42	P	< 0.01	---	19.80	0.00	979.42
GMA 1 - East Street Area 1 - South									
31R	1,000.23	2/24/2004	10.09	---	0.00	---	15.07	0.00	990.14
33	999.50	2/24/2004	Well covered by a 3' ice/snow bank.						NA
34	999.90	2/24/2004	Well covered by a 3' ice/snow bank.						NA
72	1,000.62	2/24/2004	Well is frozen, could not be gauged.						NA
72R	1,000.92	2/24/2004	Well covered by a 3' ice/snow bank.						NA
South Cassion	1,001.11	2/4/2004	14.20	14.19	0.01	---	NM	0.00	986.92
South Cassion	1,001.11	2/11/2004	14.50	14.49	0.01	---	NM	0.00	986.62
South Cassion	1,001.11	2/18/2004	14.52	14.40	0.12	---	15.00	0.00	986.70
South Cassion	1,001.11	2/25/2004	14.52	P	< 0.01	---	15.00	0.00	986.59

NOTES:

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

TABLE 21-3
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
February 2004

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
64V	February 2003	527	982,200	
	March 2003	374	1,048,800	
	April 2003	425	1,752,300	
	May 2003	220	1,202,200	
	June 2003	408	1,092,800	
	July 2003	408	1,184,900	
	August 2003	391	1,026,400	
	September 2003	867	1,020,100	
	October 2003	1,071	1,482,600	
	November 2003	1,377	1,309,800	
	December 2003	2,261	1,719,700	6.7 - Replaced Pump
	January 2004	1,768	1,366,300	
	February 2004	408	1,091,800	0.30
64R	February 2003	200	253,900	
	March 2003	125	304,200	
	April 2003	1,600	1,684,400	
	May 2003	370	571,600	
	June 2003	175	483,000	
	July 2003	750	525,200	
	August 2003	300	580,600	
	September 2003	1,150	639,200	
	October 2003	975	717,300	
	November 2003	200	563,400	
	December 2003	625	290,500	
	January 2004	50	233,000	
	February 2004	250	1,015,000	0.30
40R	February 2003	0		
	March 2003	0		
	April 2003	0		
	May 2003	0		
	June 2003	0		
	July 2003	0		
	August 2003	0		
	September 2003	0		
	October 2003	0		
	November 2003	0		
	December 2003	0		
	January 2004	0		
	February 2004	0		0.30

TABLE 21-3
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
February 2004

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
RW-2(X)	February 2003	0	238,200	
	March 2003	0	267,200	
	April 2003	0	588,200	
	May 2003	0	504,900	
	June 2003	0	337,800	
	July 2003	0	504,000	
	August 2003	0	481,800	
	September 2003	0	403,800	
	October 2003	0	498,300	
	November 2003	0	461,400	
	December 2003	0	917,800	
	January 2004	0	403,200	
	February 2004	0	580,000	0.30
64X	February 2003	2	403,200	
	March 2003	0	403,200	
	April 2003	5	504,000	
	May 2003	15	403,200	
	June 2003	25	403,200	
	July 2003	20	500,300	
	August 2003	30	403,200	
	September 2003	15	403,200	
	October 2003	10	460,800	
	November 2003	10	403,200	
	December 2003	5	504,000	3.2 - Cleaned Flow Meter
	January 2004	10	676,800	
	February 2004	2	403,200	0.30
RW-1(X)	February 2003	0	285,100	
	March 2003	5	485,000	
	April 2003	5	689,700	
	May 2003	0	482,900	6.8
	June 2003	0	502,100	
	July 2003	0	541,200	
	August 2003	0	499,300	
	September 2003	10	486,700	
	October 2003	0	690,100	
	November 2003	0	488,500	
	December 2003	0	575,100	3.2 - Cleaned Flow Meter
	January 2004	0	426,600	
	February 2004	0	382,600	0.30

TABLE 21-3
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
February 2004

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
64S System [1]	February 2003	0	271,609	
	March 2003	0	246,416	
	April 2003	625	630,314	
	May 2003	460	445,090	
	June 2003	950	276,675	
	July 2003	750	48,725	
	August 2003	38	302,161	
	September 2003	0	443,631	
	October 2003	150	983,801	
	November 2003	1,198	1,041,476	
	December 2003	925	1,529,896	1.6 - Low Voltage
	January 2004	1,054	1,237,777	
	February 2004	224	651,804	3.88
RW-1(S) [2]	February 2003	100	576,646	
	March 2003	100	686,332	
	April 2003	0	1,155,188	10.82
	May 2003	0	880,083	
	June 2003	0	806,285	
	July 2003	0	821,262	
	August 2003	12	776,403	
	September 2003	50	811,790	
	October 2003	25	1,303,720	
	November 2003	52	1,155,983	
	December 2003	0	1,677,094	
	January 2004	96	1,196,628	
	February 2004	51	832,544	0.30
RW-3(X)	February 2003	52		
	March 2003	28		
	April 2003	55		
	May 2003	52		
	June 2003	27		
	July 2003	56		
	August 2003	54		
	September 2003	55		
	October 2003	56		
	November 2003	55		
	December 2003	56		
	January 2004	70		
	February 2004	49		0.30

TABLE 21-3
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
February 2004

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime

SUMMARY OF TOTAL AUTOMATED REMOVAL		
LNAPL:	935	Gallons
DNAPL:	49	Gallons
Water:	4,956,948	Gallons

Notes:

1. The 64S system consists of well 64S and Caisson 64S.
2. The flow meter at recovery well RW-1(S) was reset in June 2003.

TABLE 21-4
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
February 2004

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	February 2004 Removal (liters)
13	2/25/2004	16.96	16.76	0.20	0.123	0.123
55	2/25/2004	17.04	16.30	0.74	0.457	0.457
GMA1-15	2/25/2004	15.66	14.87	0.79	0.487	0.487
GMA1-16	2/25/2004	13.54	12.85	0.69	0.426	0.426
GMA1-17W	2/26/2004	17.12	14.69	2.43	1.499	1.499

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

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

Total LNAPL Removal East Street Area 2 - South for February 2004: 2.992 liters
0.790 gallons

Total LNAPL Removal for February 2004: 2.992 liters
0.790 gallons

NOTE:

1. ft BMP - feet Below Measuring Point

TABLE 21-5
64G TREATMENT PLANT DISCHARGE DATA
GROUNDWATER MANAGEMENT AREA 1

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

Date	Housatonic River Discharge (gallons)	Recharge Pond Discharge (gallons)	Total Discharge (gallons)
February 2003	2,793,860	183,835	2,977,695
March 2003	3,713,810	98,305	3,812,115
April 2003	4,909,250	160,917	5,070,167
May 2003	4,145,930	248,391	4,394,321
June 2003	3,603,998	319,326	3,923,324
July 2003	2,785,280	429,342	3,214,622
August 2003	3,810,650	339,323	4,149,973
September 2003	4,336,220	294,016	4,630,236
October 2003	5,428,939	251,753	5,680,692
November 2003	5,599,600	108,107	5,707,707
December 2003	6,406,420	60,343	6,466,763
January 2004	6,158,960	132,862	6,291,822
February 2004	4,883,690	186,281	5,069,971

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 21-6
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
February 2004

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
20's Complex									
26RR	1,000.58	2/24/2004	20.80	---	0.00	---	28.68	0.00	979.78
30's Complex									
95-15	986.38	2/24/2004	Well covered by ice could not be gauged.						NA
GMA1-10	984.86	2/24/2004	Well covered by ice and snow, could not be gauged.						NA
GMA1-12	992.26	2/24/2004	16.17	---	0.00	---	22.15	0.00	976.09
RF-02	982.43	2/24/2004	5.65	---	0.00	---	18.28	0.00	976.78
RF-03	985.40	2/24/2004	9.60	---	0.00	---	18.41	0.00	975.80
RF-03D	985.31	2/24/2004	7.34	---	0.00	---	35.98	0.00	977.97
RF-16	987.91	2/24/2004	8.93	---	0.00	---	20.74	0.00	978.98
40s Complex									
Bldg. 42 Elev.	NA	2/2/2004	17.79	P	< 0.01	---	NM	0.00	NA
Bldg. 42 Elev.	NA	2/9/2004	17.99	P	< 0.01	---	NM	0.00	NA
Bldg. 42 Elev.	NA	2/17/2004	19.10	P	< 0.01	---	NM	0.00	NA
Bldg. 42 Elev.	NA	2/24/2004	19.06	P	< 0.01	---	NM	0.00	NA
95-17	1,007.67	2/26/2004	24.49	---	0.00	---	28.79	0.00	983.18
East Street Area 2 - South									
13	990.88	2/25/2004	16.96	16.76	0.20	---	22.65	0.00	974.11
14	991.61	2/25/2004	17.37	---	0.00	---	25.78	0.00	974.24
15R	989.23	2/25/2004	Obstructed by ice at 2'.						NA
40R	991.60	2/4/2004	14.50	P	< 0.01	---	25.00	0.00	977.10
40R	991.60	2/11/2004	15.00	P	< 0.01	---	25.00	0.00	976.60
40R	991.60	2/18/2004	15.04	P	< 0.01	---	25.00	0.00	976.56
40R	991.60	2/25/2004	15.40	P	< 0.01	---	25.00	0.00	976.20
49R	988.71	2/23/2004	Obstructed by ice at 4.10'.						NA
49RR	989.80	2/23/2004	Obstructed by ice at 3.83'.						NA
55	989.45	2/25/2004	17.04	16.30	0.74	---	30.05	0.00	973.10
64R	993.37	2/4/2004	17.60	17.04	0.56	---	19.00	0.00	976.29
64R	993.37	2/11/2004	17.55	17.42	0.13	---	19.00	0.00	975.94
64R	993.37	2/18/2004	16.61	P	< 0.01	---	19.00	0.00	976.76
64R	993.37	2/25/2004	16.89	16.88	0.01	---	19.00	0.00	976.49
64S	984.48	2/4/2004	18.24	P	< 0.01	---	28.70	0.00	966.24
64S	984.48	2/11/2004	18.22	P	< 0.01	---	28.70	0.00	966.26
64S	984.48	2/18/2004	17.95	P	< 0.01	---	28.70	0.00	966.53
64S	984.48	2/25/2004	17.88	P	< 0.01	---	28.70	0.00	966.60
64S-Caisson	NA	2/4/2004	10.00	9.36	0.64	---	14.55	0.00	NA
64S-Caisson	NA	2/11/2004	11.75	9.50	2.25	---	14.55	0.00	NA
64S-Caisson	NA	2/18/2004	10.20	9.55	0.65	---	14.55	0.00	NA
64S-Caisson	NA	2/25/2004	10.05	9.40	0.65	---	14.55	0.00	NA
64V	987.29	2/4/2004	21.40	21.30	0.10	P	29.60	< 0.01	965.98
64V	987.29	2/11/2004	21.95	21.42	0.53	---	29.60	0.00	965.83
64V	987.29	2/18/2004	22.45	21.56	0.89	---	29.60	0.00	965.67

TABLE 21-6
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
February 2004

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
64V	987.29	2/25/2004	22.00	21.60	0.40	---	29.60	0.00	965.66
64X(N)	984.83	2/4/2004	11.61	11.49	0.12	---	15.85	0.00	973.33
64X(N)	984.83	2/11/2004	11.72	11.68	0.04	---	15.85	0.00	973.15
64X(N)	984.83	2/18/2004	11.15	11.00	0.15	---	15.85	0.00	973.82
64X(N)	984.83	2/25/2004	11.76	11.64	0.12	---	15.85	0.00	973.18
64X(S)	981.56	2/4/2004	14.21	14.20	0.01	---	23.82	0.00	967.36
64X(S)	981.56	2/11/2004	14.15	P	< 0.01	---	23.82	0.00	967.41
64X(S)	981.56	2/18/2004	13.56	13.55	0.01	---	23.82	0.00	968.01
64X(S)	981.56	2/25/2004	14.30	P	< 0.01	---	23.82	0.00	967.26
64X(W)	984.87	2/4/2004	17.41	17.40	0.01	---	24.35	0.00	967.47
64X(W)	984.87	2/11/2004	17.55	17.42	0.13	---	24.35	0.00	967.44
64X(W)	984.87	2/18/2004	16.80	16.77	0.03	---	24.35	0.00	968.10
64X(W)	984.87	2/25/2004	17.50	17.49	0.01	---	24.35	0.00	967.38
95-01	983.77	2/26/2004	Well covered by 2' ice/snow bank.						NA
3-6C-EB-22	986.94	2/26/2004	13.54	---	0.00	---	20.01	0.00	973.40
E2SC-23	992.07	2/24/2004	16.31	---	0.00	---	21.15	0.00	975.76
E2SC-24	987.90	2/24/2004	15.20	---	0.00	---	21.63	0.00	972.70
GMA1-14	997.43	2/24/2004	Frozen, could not be gauged.						NA
GMA1-15	988.59	2/25/2004	15.66	14.87	0.79	---	17.83	0.00	973.66
GMA1-16	986.82	2/25/2004	13.54	12.85	0.69	---	20.00	0.00	973.92
GMA1-17E	993.03	2/26/2004	Frozen at the surface, well could not be gauged.						NA
GMA1-17W	992.63	2/26/2004	17.12	14.69	2.43	---	23.38	0.00	977.77
HR-G2-MW-1	982.60	2/26/2004	10.18	---	0.00	---	18.24	0.00	972.42
HR-G2-MW-2	981.39	2/26/2004	8.16	---	0.00	---	17.66	0.00	973.23
HR-G2-MW-3	987.14	2/26/2004	14.12	---	0.00	---	22.00	0.00	973.02
HR-G2-RW-1	976.88	2/26/2004	5.59	5.57	0.02	---	18.71	0.00	971.31
RW-1(S)	987.23	2/4/2004	18.40	18.00	0.40	P	28.60	< 0.01	969.20
RW-1(S)	987.23	2/11/2004	18.00	P	< 0.01	---	28.60	0.10	969.23
RW-1(S)	987.23	2/18/2004	17.10	16.70	0.40	---	28.60	0.00	970.50
RW-1(S)	987.23	2/25/2004	17.27	P	< 0.01	---	28.60	0.00	969.96
RW-1(X)	982.68	2/4/2004	14.51	14.48	0.03	---	20.80	0.00	968.20
RW-1(X)	982.68	2/11/2004	14.87	14.70	0.17	---	20.80	0.00	967.97
RW-1(X)	982.68	2/18/2004	11.95	P	< 0.01	---	20.80	0.00	970.73
RW-1(X)	982.68	2/25/2004	14.35	P	< 0.01	---	20.80	0.00	968.33
RW-2(X)	985.96	2/4/2004	13.00	---	0.00	---	15.30	0.00	972.96
RW-2(X)	985.96	2/11/2004	13.00	---	0.00	---	15.30	0.00	972.96
RW-2(X)	985.96	2/18/2004	12.19	---	0.00	---	15.30	0.00	973.77
RW-2(X)	985.96	2/25/2004	13.02	---	0.00	---	15.30	0.00	972.94
RW-3(X)	980.28	2/4/2004	8.46	---	0.00	41.90	44.40	2.50	971.82
RW-3(X)	980.28	2/11/2004	8.40	---	0.00	41.98	44.40	2.42	971.88
RW-3(X)	980.28	2/18/2004	7.78	---	0.00	41.81	44.40	2.59	972.50
RW-3(X)	980.28	2/25/2004	9.58	---	0.00	42.20	44.40	2.20	970.70

TABLE 21-6
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
February 2004

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
Housatonic River									
SG-HR-1	990.73	2/2/2004	18.95	---	---	---	---	---	971.78
SG-HR-1	990.73	2/11/2004	18.90	---	---	---	---	---	971.83
SG-HR-1	990.73	2/19/2004	19.10	---	---	---	---	---	971.63
SG-HR-1	990.73	2/26/2004	18.96	---	---	---	---	---	971.77
Housatonic River (Temporary Monitoring Pt.)	NA	2/27/2004	3.42	---	---	---	---	---	NA

NOTES:

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

TABLE 21-7
ACTIVE RECOVERY SYSTEMS MONTHLY SUMMARY
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

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

Month / Year	Volume Water Pumped (gallon)	RW-1R LNAPL Recovered (gallon)	RW-1 DNAPL Recovered (gallon)	RW-3 LNAPL Recovered (gallon)
February 2002	154,671	7	---	10
March 2002	183,708	---	---	20
April 2002	220,657	5	---	10
May 2002	290,851	---	---	10
June 2002	264,424	---	---	15
July 2002	219,781	13	---	5
August 2002	127,581	---	---	15
September 2002	165,634	4	---	10
October 2002	271,056	---	---	15
November 2002	264,950	---	---	5
December 2002	316,482	2	---	23
January 2003	272,679	---	---	20
February 2003	228,093	---	---	20
March 2003	287,152	---	---	20
April 2003	518,782	---	---	10
May 2003	281,349	---	---	10
June 2003	266,987	---	---	10
July 2003	244,776	---	---	10
August 2003	290,984	---	---	10
September 2003	309,162	---	---	20
October 2003	485,653	---	---	20
November 2003	363,979	---	---	10
December 2003	490,517	---	---	---
January 2004	299,584	---	---	---
February 2004	305,485	---	---	---

NOTES

Volume of water pumped is total from Wells RW-1/1(R), RW-2 and RW-3.
As of September 9, 1998 RW-1 was replaced by RW-1(R) for active LNAPL recovery
--- indicates LNAPL or DNAPL was not present in a recoverable quantity

TABLE 21-8
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	February 2004 Removal (liters)
LS-31	2/26/2004	13.18	22.29	1.00	0.308	0.308
LSSC-07	2/2/2004	9.83	24.81	0.27	0.167	0.956
	2/11/2004	9.71	24.73	0.36	0.222	
	2/19/2004	9.57	24.58	0.50	0.308	
	2/26/2004	9.56	24.66	0.42	0.259	

Total Manual DNAPL Removal for February 2004: 1.265 liters
0.334 gallons

NOTES:

1. ft BMP - feet Below Measuring Point

TABLE 21-9
ROUTINE WELL MONITORING
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
E-07	982.87	2/26/2004	7.08	---	0.00	---	19.79	0.00	975.79
EPA-1	NA	2/26/2004	Well covered by snow and ice, could not be gauged.						NA
LS-24	986.58	2/27/2004	Well covered by 5' snow and ice bank, could not be gauged.						NA
LS-30	986.44	2/26/2004	13.56	13.44	0.12	22.10	22.20	0.10	972.99
LS-31	987.09	2/26/2004	13.18	---	0.00	22.29	23.29	1.00	973.91
LS-38	986.95	2/26/2004	14.23	---	0.00	---	25.05	0.00	972.72
LS-44	980.78	2/27/2004	Well covered by snow and ice, could not be gauged.						NA
LSSC-07	982.48	2/2/2004	9.83	---	0.00	24.81	25.08	0.27	972.65
LSSC-07	982.48	2/11/2004	9.71	---	0.00	24.73	25.09	0.36	972.77
LSSC-07	982.48	2/19/2004	9.57	---	0.00	24.58	25.08	0.50	972.91
LSSC-07	982.48	2/26/2004	9.56	---	0.00	24.66	25.08	0.42	972.92
LSSC-08I	983.13	2/2/2004	11.24	---	0.00	---	23.39	0.00	971.89
LSSC-08I	983.13	2/11/2004	10.93	---	0.00	---	23.37	0.00	972.20
LSSC-08I	983.13	2/19/2004	11.10	---	0.00	23.32	23.39	0.07	972.03
LSSC-08I	983.13	2/26/2004	9.92	---	0.00	---	23.39	0.00	973.21
LSSC-08S	983.11	2/26/2004	10.04	---	0.00	---	14.68	0.00	973.07
LSSC-16I	980.88	2/26/2004	8.23	---	0.00	---	28.53	0.00	972.65
LSSC-18	987.32	2/27/2004	14.05	---	0.00	---	18.60	0.00	973.27
LSSC-32	980.68	2/27/2004	7.83	---	0.00	---	35.24	0.00	972.85
LSSC-33	980.49	2/27/2004	7.67	---	0.00	---	29.23	0.00	972.82
MW-6R	985.14	2/27/2004	Well covered by ice/snow banks, could not be gauged.						NA
RW-1	984.88	2/4/2004	14.60	---	0.00	---	21.00	0.00	970.28
RW-1	984.88	2/11/2004	12.15	P	< 0.01	---	21.00	0.00	972.73
RW-1	984.88	2/18/2004	11.65	P	< 0.01	---	21.00	0.00	973.23
RW-1	984.88	2/25/2004	11.92	---	0.00	---	21.00	0.00	972.96
RW-1 (R)	985.07	2/4/2004	15.90	P	< 0.01	P	20.42	< 0.01	969.17
RW-1 (R)	985.07	2/11/2004	15.78	P	< 0.01	---	20.42	0.00	969.29
RW-1 (R)	985.07	2/18/2004	15.80	15.77	0.03	---	20.42	0.00	969.30
RW-1 (R)	985.07	2/25/2004	15.65	P	< 0.01	---	20.42	0.00	969.42
RW-2	987.82	2/4/2004	11.91	P	< 0.01	---	21.75	0.00	975.91
RW-2	987.82	2/11/2004	14.70	---	0.00	---	21.75	0.00	973.12
RW-2	987.82	2/18/2004	13.61	---	0.00	---	21.75	0.00	974.21
RW-2	987.82	2/25/2004	13.30	---	0.00	---	21.75	0.00	974.52
RW-3	984.08	2/4/2004	14.31	14.30	0.01	---	21.57	0.00	969.78
RW-3	984.08	2/11/2004	14.10	14.09	0.01	---	21.57	0.00	969.99
RW-3	984.08	2/18/2004	14.42	14.40	0.02	---	21.57	0.00	969.68
RW-3	984.08	2/25/2004	15.31	P	< 0.01	---	21.57	0.00	968.77
Housatonic River (Lyman Street Bridge)									
BM-2A	986.32	2/2/2004	14.87	---	---	---	---	---	971.45
BM-2A	986.32	2/11/2004	14.15	---	---	---	---	---	972.17
BM-2A	986.32	2/19/2004	14.80	---	---	---	---	---	971.52
BM-2A	986.32	2/26/2004	14.42	---	---	---	---	---	971.90

TABLE 21-9
ROUTINE WELL MONITORING
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)

NOTES:

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

TABLE 21-10
ACTIVE DNAPL RECOVERY SYSTEMS MONTHLY SUMMARY
NEWELL STREET AREA II
GROUNDWATER MANAGEMENT AREA 1

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

Recovery System	Date	Total Gallons Recovered
System 1	February 2003	9.0
	March 2003	27.0
	April 2003	19.0
	May 2003	28.0
	June 2003	27.0
	July 2003	28.0
	August 2003	53.0
	September 2003	26.0
	October 2003	56.0
	November 2003	27.0
	December 2003	47.0
	January 2004	24.0
	February 2004	25.5
System 2	February 2003	80.0
	March 2003	81.0
	April 2003	65.0
	May 2003	65.0
	June 2003	114.0
	July 2003	130.0
	August 2003	115.0
	September 2003	390.0
	October 2003	227.0
	November 2003	146.0
	December 2003	182.0
	January 2004	128.0
	February 2004	139.0
Total Automated DNAPL Removal for February 2004:		**164.5 Gallons**

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

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

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
N2SC-02	985.56	2/26/2004	12.61	---	0.00	---	40.41	0.00	972.95
N2SC-07	984.61	2/26/2004	11.99	---	0.00	---	38.15	0.00	972.62
N2SC-08	986.07	2/26/2004	12.23	---	0.00	42.08	42.54	0.46	973.84

NOTES:

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

TABLE 21-12
ROUTINE WELL MONITORING
SILVER LAKE AREA
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
Monitoring Wells Adjacent to Silver Lake									
SLGW-01S	982.94	2/24/2004	7.20	---	0.00	---	16.34	0.00	975.74
SLGW-01D	983.13	2/24/2004	4.52	---	0.00	---	37.09	0.00	978.61
SLGW-02S	985.39	2/24/2004	8.16	---	0.00	---	16.87	0.00	977.23
SLGW-02D	985.10	2/24/2004	7.57	---	0.00	---	37.01	0.00	977.53
SLGW-03S	980.21	2/24/2004	4.37	---	0.00	---	14.72	0.00	975.84
SLGW-03D	979.14	2/24/2004	Obstructed by ice 2" below measuring point.						NA
SLGW-04S	984.02	2/24/2004	8.27	---	0.00	---	16.75	0.00	975.75
SLGW-04D	983.51	2/24/2004	6.22	---	0.00	---	37.24	0.00	977.29
SLGW-05S	979.12	2/24/2004	Well covered by 4' snow banks, could not be gauged.						NA
SLGW-05D	979.30	2/24/2004	Well covered by 4' snow banks, could not be gauged.						NA
SLGW-06S	981.66	2/24/2004	Well covered by 3' snow banks, could not be gauged.						NA
SLGW-06D	981.63	2/24/2004	Well covered by 3' snow banks, could not be gauged.						NA
Silver Lake Surface Water Levels									
Silver Lake Gauge	NA	2/2/2004	4.43	---	---	---	---	---	NA
Silver Lake Gauge	NA	2/11/2004	4.09	---	---	---	---	---	NA
Silver Lake Gauge	NA	2/19/2004	4.48	---	---	---	---	---	NA
Silver Lake Gauge	NA	2/24/2004	4.47	---	---	---	---	---	NA

NOTES:

1. ft BMP - feet Below Measuring Point
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. A new Silver Lake Gauge was installed and will be surveyed to obtain a new horizontal datum. "Depth to Water" values provided refer to feet above the datum, rather than feet below the measuring point.
5. Additional groundwater elevation data was collected from wells near Silver Lake that are located in the 30s Complex and at the Lyman Street Area. Those results are presented in the monitoring tables for those Removal Action Areas.

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

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Initiate spring 2004 interim groundwater sampling activities upon EPA approval of proposed program (see Item 22.f. below).

- Collect fourth round of baseline groundwater samples at wells GMA2-7 and OJ-MW-2 where access had previously been denied.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

The *Groundwater Management Area 2 Baseline Groundwater Quality Interim Report for Fall 2003* contained a proposal to conduct an interim groundwater quality monitoring program until such time as any necessary soil-related remediation actions are completed in Former Oxbow Areas J and K and a long-term monitoring program can be implemented.

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

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

a. Activities Undertaken/Completed

- Conducted monthly monitoring and NAPL removal in the vicinity of Buildings 51 and 59. Approximately 12.5 liters (3.3 gallons) of LNAPL were removed by the automatic skimmer located in well 51-12 and an additional 1.82 liters (0.48 gallon) of LNAPL were manually removed from the wells in this area (see Table 23-1).

- Received executed final access agreement from Massachusetts Community College System allowing access to the Massachusetts Department of Higher Education (Berkshire Community College) property within this area for groundwater monitoring (February 27, 2004).

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted Fall 2003 Interim Groundwater Quality and NAPL Monitoring Report (February 27, 2004).

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

- Continue ongoing NAPL monitoring and recovery activities, including semi-annual monitoring.

- Conduct semi-annual bailing round at all wells that contained NAPL in 2003.

- Install NAPL monitoring wells GMA3-10 and GMA3-11 and NAPL recovery well GMA3-12 upon EPA approval of proposed well locations (see Item 23.f. below).

- Install groundwater quality monitoring wells GMA3-8 and GMA3-5.

- Initiate baseline groundwater quality monitoring program in spring 2004.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

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

f. Proposed/Approved Work Plan Modifications

The *Groundwater Management Area 3 Interim Groundwater Quality and NAPL Monitoring Report for Fall 2003* contained proposals to install two new NAPL monitoring wells (GMA3-10 and GMA3-11) and one NAPL recovery well (GMA3-12). GE will install those well within 1 month of EPA approval of that report.

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

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

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	February 2004 Removal (liters)
51-08	2/2/2004	10.47	10.46	0.01	0.179	0.592
	2/25/2004	11.55	10.88	0.67	0.413	
51-16R	2/25/2004	10.50	10.20	0.30	0.185	0.185
51-21	2/13/2004	NM	NM	NM	12.507	12.507
59-03R	2/25/2004	12.63	11.30	1.33	0.821	0.821
UB-PZ-3	2/25/2004	12.32	11.96	0.36	0.222	0.222

Total Automated LNAPL Removal at well 51-21 for February 2004: 12.507 liters
3.30 Gallons

Total Manual LNAPL Removal at all other wells for February 2004: 1.820 liters
0.48 Gallons

Total LNAPL Removed for February 2004: 14.327 liters
3.78 Gallons

NOTE:

1. ft BMP - feet Below Measuring Point

TABLE 23-2
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 3

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
51-05	996.44	2/25/2004	Obstructed by ice at 1'.						NA
51-06	997.36	2/25/2004	Well was frozen at the surface, could not be gauged.						NA
51-07	997.08	2/25/2004	10.72	---	0.00	---	11.21	0.00	986.36
51-08	997.08	2/2/2004	10.47	10.46	0.01	---	14.65	0.00	986.62
51-08	997.08	2/11/2004	10.68	10.62	0.06	---	14.65	0.00	986.46
51-08	997.08	2/19/2004	10.93	10.78	0.15	---	14.64	0.00	986.29
51-08	997.08	2/25/2004	11.55	10.88	0.67	---	14.64	0.00	986.15
51-09	997.70	2/25/2004	10.74	---	0.00	---	12.00	0.00	986.96
51-14	996.77	2/25/2004	10.83	---	0.00	---	14.98	0.00	985.94
51-15	996.43	2/25/2004	10.28	10.23	0.05	---	14.47	0.00	986.20
51-16R	996.39	2/25/2004	10.50	10.20	0.30	---	14.54	0.00	986.17
51-17	996.43	2/25/2004	10.19	10.05	0.14	---	14.60	0.00	986.37
51-18	997.12	2/25/2004	10.95	---	0.00	---	12.32	0.00	986.17
51-19	996.43	2/25/2004	Well was frozen at the surface, could not be gauged.						NA
51-21	1,001.49	2/4/2004	15.02	P	< 0.01	---	NM	0.00	986.47
51-21	1,001.49	2/11/2004	15.13	P	< 0.01	---	NM	0.00	986.36
51-21	1,001.49	2/13/2004	NM	NM	NM	---	NM	0.00	NA
51-21	1,001.49	2/18/2004	15.28	P	< 0.01	---	NM	0.00	986.21
51-21	1,001.49	2/28/2004	15.42	P	< 0.01	---	NM	0.00	986.07
59-01	997.52	2/25/2004	11.44	---	0.00	---	11.51	0.00	986.08
59-03R	997.64	2/25/2004	12.63	11.30	1.33	---	17.05	0.00	986.25
59-07	997.96	2/25/2004	11.63	11.60	0.03	---	23.54	0.00	986.36
UB-MW-10	995.99	2/25/2004	Well was frozen at the surface, could not be gauged.						NA
UB-PZ-3	998.15	2/25/2004	12.32	11.96	0.36	---	13.45	0.00	986.16
Unkamet Brook Staff Gauge									
GMA3-SG-1	983.44	1/26/2004	Frozen at 3.90'						NA
GMA3-SG-2	NA	1/27/2004	Staff gauge not there						NA
GMA3-SG-3	985.53	1/26/2004	Frozen at 2.50'						NA

NOTES:

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

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

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted Fall 2003 Baseline Groundwater Quality Report (February 27, 2004).

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

Initiate spring 2004 interim groundwater sampling activities upon EPA approval of proposed program (see Item 24.f. below).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

The *Groundwater Management Area 4 Baseline Groundwater Quality and NAPL Monitoring Interim Report for Fall 2003* contained a proposal to conduct an interim groundwater quality monitoring program until such time as any necessary soil-related remediation actions are completed within this area and a long-term monitoring program can be implemented.

ITEM 25
GROUNDWATER MANAGEMENT AREAS
FORMER OXBOWS A & C (GMA 5)
(GECD350)
FEBRUARY 2004

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Initiate spring 2004 interim groundwater sampling activities upon EPA approval of proposed program (see Item 25.f. below) and subject to obtaining the necessary access permission (see Item 25.e below)

e. General Progress/Unresolved Issues/Potential Schedule Impacts

The owner of the largest property within this GMA has advised GE that he will not allow access to GE for continued groundwater monitoring unless GE agrees to certain conditions that are not acceptable to GE. GE will discuss this matter with EPA.

f. Proposed/Approved Work Plan Modifications

The *Groundwater Management Area 5 Baseline Groundwater Quality Interim Report for Fall 2003* contained a proposal to conduct an interim groundwater quality monitoring program until such time as any necessary soil-related remediation actions are completed at Former Oxbow Areas A and C and a long-term monitoring program can be implemented.

Attachment A

NPDES Sampling Records and Results
February 2004

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

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

NPDES PERMIT MONITORING
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
NPDES Sampling	001-A5406	2/2/04	Water	CT&E	Oil & Grease	2/9/04
NPDES Sampling	001-A5408	2/2/04	Water	CT&E	TSS	2/9/04
NPDES Sampling	001-A5409	2/2/04	Water	CT&E	PCB	2/9/04
NPDES Sampling	004-A5450	2/28/04	Water	CT&E	Oil & Grease	
NPDES Sampling	005-A5401/A5402	1/27/04	Water	CT&E	PCB	2/3/04
NPDES Sampling	005-A5412/A5415	2/2/04	Water	CT&E	BOD, PCB, TSS	2/9/04
NPDES Sampling	005-A5426/A5427	2/10/04	Water	CT&E	PCB	2/16/04
NPDES Sampling	005-A5437/A5438	2/17/04	Water	CT&E	PCB	2/20/04
NPDES Sampling	005-A5443/A5446	2/23/04	Water	CT&E	PCB	2/28/04
NPDES Sampling	09A-A5418	2/6/04	Water	CT&E	TSS, BOD	2/12/04
NPDES Sampling	09A-A5430	2/11/04	Water	CT&E	TSS, BOD	2/18/04
NPDES Sampling	09A-A5439	2/21/04	Water	CT&E	TSS	2/28/04
NPDES Sampling	09B-A5419	2/6/04	Water	CT&E	TSS, BOD	2/12/04
NPDES Sampling	09B-A5431	2/11/04	Water	CT&E	TSS, BOD	2/18/04
NPDES Sampling	09B-A5449	2/24/04	Water	CT&E	TSS, BOD	
NPDES Sampling	09C-A5416	2/5/04	Water	CT&E	Oil & Grease	2/12/04
NPDES Sampling	09C-A5428	2/10/04	Water	CT&E	Oil & Grease	2/16/04
NPDES Sampling	09C-A5447	2/23/04	Water	CT&E	Oil & Grease	
NPDES Sampling	64G-A5399	1/26/04	Water	CT&E	Oil & Grease	2/3/04
NPDES Sampling	64G-A5413	2/2/04	Water	CT&E	Oil & Grease	2/9/04
NPDES Sampling	64G-A5422	2/9/04	Water	CT&E	Oil & Grease	2/16/04
NPDES Sampling	64G-A5434	2/16/04	Water	CT&E	Oil & Grease	2/20/04
NPDES Sampling	64G-A5444	2/23/04	Water	CT&E	Oil & Grease	2/28/04
NPDES Sampling	64T-A5397	1/26/04	Water	CT&E	Oil & Grease	2/3/04
NPDES Sampling	64T-A5410	2/2/04	Water	CT&E	Oil & Grease	2/9/04
NPDES Sampling	64T-A5420	2/9/04	Water	CT&E	Oil & Grease	2/16/04
NPDES Sampling	64T-A5432	2/16/04	Water	CT&E	Oil & Grease	2/20/04
NPDES Sampling	64T-A5441	2/23/04	Water	CT&E	Oil & Grease	2/28/04
NPDES Sampling	A5404R	2/2/04	Water	CT&E	Acute Toxicity Test	2/13/04
NPDES Sampling	A5404RCN	2/2/04	Water	CT&E	CN	2/9/04
NPDES Sampling	A5404RTM	2/2/04	Water	CT&E	Metals (10)	2/9/04
NPDES Sampling	A5405C	2/2/04	Water	CT&E	Acute Toxicity Test	2/13/04
NPDES Sampling	A5405CCN	2/2/04	Water	CT&E	CN	2/9/04
NPDES Sampling	A5405CDM	2/2/04	Water	CT&E	Filtered Metals (8)	2/9/04
NPDES Sampling	A5405CTM	2/2/04	Water	CT&E	Metals (10)	2/9/04
NPDES Sampling	FEB04WK2	2/10/04	Water	CT&E	Cu, Pb, Zn	2/16/04
NPDES Sampling	FEB04WK3	2/17/04	Water	CT&E	Cu, Pb, Zn	2/20/04
NPDES Sampling	FEB04WK4	2/23/04	Water	CT&E	Cu, Pb, Zn	2/28/04
NPDES Sampling	JAN04WK5	1/27/04	Water	CT&E	Cu, Pb, Zn	2/3/04

TABLE A-2
DATA RECEIVED DURING FEBRUARY 2004

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

Parameter / Sample ID: / Date Collected:	001-A5406 02/02/04	001-A5408 02/02/04	001-A5409 02/02/04	005-A5401/A5402 01/27/04	005-A5412/A5415 02/02/04	005-A5426/A5427 02/10/04	005-A5437/A5438 02/17/04
PCBs-Unfiltered							
Aroclor-1254	NA	NA	0.00016	0.000072 J	0.000045 J	0.000058 J	0.000029 J
Aroclor-1260	NA	NA	0.000069	0.000032 J	0.000031 J	ND(0.000065)	ND(0.000065)
Total PCBs	NA	NA	0.000229	0.000104 J	0.000076 J	0.000058 J	0.000029 J
Inorganics-Unfiltered							
Aluminum	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered							
Aluminum	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA
Conventionals							
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	ND(2.0)	NA	NA
Oil & Grease	4.0 B	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	8.00	NA	NA	ND(5.00)	NA	NA

TABLE A-2
DATA RECEIVED DURING FEBRUARY 2004

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

Parameter / Sample ID: / Date Collected:	005-A5443/A5446 02/23/04	09A-A5418 02/06/04	09A-A5430 02/11/04	09A-A5439 02/21/04	09B-A5419 02/06/04	09B-A5431 02/11/04	09C-A5416 02/05/04	09C-A5428 02/10/04	64G-A5399 01/26/04
PCBs-Unfiltered									
Aroclor-1254	0.000023 J	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	ND(0.000065)	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	0.000023 J	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals									
Biological Oxygen Demand (5-day)	NA	3.9	2.6	NA	ND(2.0)	7.8	NA	NA	NA
Oil & Grease	NA	NA	NA	NA	NA	NA	ND(5.0)	ND(5.0)	4.9 B
Total Suspended Solids	NA	21.0	9.00	5.00	17.0	15.0	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING FEBRUARY 2004

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

Parameter / Sample ID: / Date Collected:	64G-A5413 02/02/04	64G-A5422 02/09/04	64G-A5434 02/16/04	64G-A5444 02/23/04	64T-A5397 01/26/04	64T-A5410 02/02/04	64T-A5420 02/09/04	64T-A5432 02/16/04	64T-A5441 02/23/04
PCBs-Unfiltered									
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals									
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	3.3 B	ND(5.0)	5.1	ND(5.0)	3.7 B	ND(5.0)	ND(5.0)	3.4 B	ND(5.0)
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING FEBRUARY 2004

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

Parameter / Sample ID: / Date Collected:	A5404RCN 02/02/04	A5404RTM 02/02/04	A5405CCN 02/02/04	A5405CDM 02/02/04	A5405CTM 02/02/04	FEB04WK2 02/10/04	FEB04WK3 02/17/04	FEB04WK4 02/23/04	JAN04WK5 01/27/04
PCBs-Unfiltered									
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered									
Aluminum	NA	ND(0.100)	NA	NA	ND(0.100)	NA	NA	NA	NA
Cadmium	NA	ND(0.00100)	NA	NA	ND(0.00100)	NA	NA	NA	NA
Calcium	NA	19.0	NA	NA	72.0	NA	NA	NA	NA
Chromium	NA	ND(0.00500)	NA	NA	ND(0.00500)	NA	NA	NA	NA
Copper	NA	0.00450 B	NA	NA	0.00900	0.00980	0.00710	0.0280	0.00130 B
Cyanide	ND(0.0200)	NA	0.0820	NA	NA	NA	NA	NA	NA
Lead	NA	ND(0.00500)	NA	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)	0.00440 B	ND(0.00500)
Magnesium	NA	7.30	NA	NA	32.0	NA	NA	NA	NA
Nickel	NA	0.00160 B	NA	NA	ND(0.00500)	NA	NA	NA	NA
Silver	NA	ND(0.00500)	NA	NA	ND(0.00500)	NA	NA	NA	NA
Zinc	NA	0.00630 B	NA	NA	0.0100 B	0.0350	ND(0.0200)	0.0610	0.00600 B
Inorganics-Filtered									
Aluminum	NA	NA	NA	ND(0.100)	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	ND(0.00100)	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	ND(0.00500)	NA	NA	NA	NA	NA
Copper	NA	NA	NA	0.00780	NA	NA	NA	NA	NA
Lead	NA	NA	NA	ND(0.00500)	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	ND(0.00500)	NA	NA	NA	NA	NA
Silver	NA	NA	NA	ND(0.00500)	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	0.0140 B	NA	NA	NA	NA	NA
Conventionals									
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

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

Data Qualifiers:

Organics and Conventional Parameters

B - Analyte was also detected in the associated method blank.

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

Inorganics

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

Attachment B

NPDES Discharge Monitoring Reports
January 2004

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

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

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

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

MA0003891	001 1
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

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

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

*** NO DISCHARGE |__| ***

Form Approved.
OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	******	******		7.8	******	8.7	(12) SU	0	01/07	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*******	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG-C
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	7.9	7.9	(26) LBS/DY	******	******	******		0	01/30	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	138 MO AVG	628 DAILY MX	LBS/DY	******	******	******	*******		ONCE/ MONTH	COMPOS
OIL & GREASE	SAMPLE MEASUREMENT	******	7.9	(26) LBS/DY	******	******	3.6	(19) MG/L	0	01/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	319 DAILY MX	LBS/DY	******	******	15 DAILY MX	MG/L		ONCE/ MONTH	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	0.0004	(26) LBS/DY	******	******	******		0	01/30	GR
39516 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	*******		ONCE/ MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.081	0.236	(03) MGD	******	******	******		0	99/99	RC
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1.10 MO AVG	2.55 DAILY MX	MGD	******	******	******	*******		CONTIN UOUS	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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

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

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

TELEPHONE		DATE		
413	494-3500	2004	2	24
AREA CODE	NUMBER	YEAR	MO	DAY

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

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

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

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

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	004 1

MONITORING PERIOD

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

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

*** NO DISCHARGE | __ | ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	******	******		7.6	******	7.7	(12) SU	0	01/DW	GR
00400 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG-C
OIL & GREASE	SAMPLE MEASUREMENT	******	0.03	(26) LBS/DY	******	******	2.4	(19) MG/L	0	01/30	GR
00556 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	261 DAILY MX	LBS/DY	******	******	15 DAILY MX	MG/L		ONCE/ MONTH	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	NODI [9]	(26) LBS/DY	******	******	******				
39516 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.0004	0.006	(03) MGD	******	******	******		0	99/99	RC
50050 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	0.38 MO AVG	2.09 DAILY MX	MGD	******	******	******	**** ****		ONCE/ MONTH	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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

Michael T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
413	494-3500	2004	2	24
AREA CODE	NUMBER	YEAR	MO	DAY

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

SAMPLE IN PLANT MANHOLE STATION ON 004.

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

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

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

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	005 1

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

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

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	0	0	(26) LBS/DY	******	******	******		0	01/30	CP
00310 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	70 MO AVG	135 DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0	0	(26) LBS/DY	******	******	******		0	01/30	CP
00530 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	188 MO AVG	270 DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
OIL & GREASE	SAMPLE MEASUREMENT	******	15.4	(26) LBS/DY	******	******	4.1	(19) MG/L	0	01/07	GR
00556 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	135 DAILY MX	LBS/DY	******	******	15 DAILY MX	MG/L		WEEKLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	0.0002	0.0006	(26) LBS/DY	******	******	******		0	01/07	CP
39516 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	0.01 MO AVG	0.03 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.249	0.396	(03) MGD	******	******	******		0	99/99	RC
50050 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	2.09 MO AVG	2.09 DAILY MX	MGD	******	******	******	**** ****		CONTIN UOUS	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	CERTIFICATION	SIGNATURE	TELEPHONE (AREA CODE / NUMBER)	DATE (YEAR / MO / DAY)
Michael T. Carroll, Mgr. Pittsfield Remediation Prog. (TYPED OR PRINTED)	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Michael T. Carroll (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)	413 494-3500	2004 2 24

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

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

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

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

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	064 T

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

MONITORING PERIOD

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

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	******	******		7.0	******	8.0	(12) SU	0	99/99	RCDR
00400 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*******	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG-C
DIBENZOFURAN	SAMPLE MEASUREMENT	******	******		******	NODI [6]	NODI [6]	(22)			
81302 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*******	******	REPORT MO AVG	REPORT DAILY MX	PPT		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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

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

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

TELEPHONE		DATE		
413	494-3500	2004	2	24
AREA CODE	NUMBER	YEAR	MO	DAY

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

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

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

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

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	064 G

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

Form Approved.
OMB No. 2040-0004

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

*** 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
PH	SAMPLE MEASUREMENT	******	******		7.2	******	7.4	(12) SU	0	99/99	RCDR
00400 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*******	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG-C
BASE NEUTRALS & ACID (METHOD 625), TOTAL	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	(19)			
76030 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*******	******	REPORT MO AVG	REPORT DAILY MX	MG/L		QTRLY	GRAB
VOLATILE COMPOUNDS, (GC/MS)	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	(19)			
78732 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*******	******	REPORT MO AVG	REPORT DAILY MX	MG/L		QTRLY	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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

Michael T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
413	494-3500	2004	2	24

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

SEE COMMENTS FOR 0051. SEE PAGE 8 + 9 OF PERMIT.

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

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

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

MA0003891 — PERMIT NUMBER
007 I — DISCHARGE NUMBER

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

MONITORING PERIOD

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

*** NO DISCHARGE |__| ***

Form Approved.
OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
TEMPERATURE, WATER DEG. FAHRENHEIT	SAMPLE MEASUREMENT	******	******		******	43	43	(15) DEG.F	0	01/30	GR
00011 W 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*******	******	70 MO AVG	75 DAILY MX	DEG. F		ONCE/ MONTH	GRAB
PH	SAMPLE MEASUREMENT	******	******		7.7	******	8.3	(12) SU	0	01/DW	GR
00400 W 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*******	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG-C
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	(21)			
39516 W 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*******	******	REPORT MO AVG	REPORT DAILY MX	PPB		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.009	0.019	(03) MGD	******	******	******		0	24/30	CA
50050 W 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	*******		ONCE/ MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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

Michael T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
413	494-3500	2004	2	24
AREA CODE	NUMBER	YEAR	MO	DAY

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

SAMPLE AT MANHOLE PRIOR TO CITY STORM DRAIN.

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

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

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

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	009 1

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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	01	01	TO	04	01	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)	SAMPLE MEASUREMENT	0	0	(26) LBS/DY	******	******	******		0	01/DW	CP
00310 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	******	******	******	*** ****		WEEKLY	COMPOS
PH	SAMPLE MEASUREMENT	******	******		7.2	******	7.6	(12) SU	0	01/DW	GR
00400 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG-C
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0.9	1.8	(26) LBS/DY	******	******	******		0	01/DW	CP
00530 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/DY	******	******	******	*** ****		WEEKLY	COMPOS
OIL & GREASE	SAMPLE MEASUREMENT	******	1.4	(26) LBS/DY	******	******	1.8	(19) MG/L	0	01/DW	GR
00556 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	438 DAILY MX	LBS/DY	******	******	15 DAILY MX	MG/L		WEEKLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	(19)			
39516 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.002	0.063	(03) MGD	******	******	******		0	99/99	RC
50050 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	*** ****		CONTINUOUS	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	CERTIFICATION	SIGNATURE	TELEPHONE	DATE
Michael T. Carroll Mgr. Pittsfield Remediation Prog. TYPED OR PRINTED	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Michael T. Carroll SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	413 (AREA CODE) 494-3500 (NUMBER)	2004 (YEAR) 2 (MO) 24 (DAY)

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

00301/OThis2024-paRform

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

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

Form Approved.
OMB No. 2040-0004

MA0003891	009 A
PERMIT NUMBER	DISCHARGE NUMBER

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

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

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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

Michael T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 413 NUMBER 494-3500

DATE: YEAR 2004 MO 2 DAY 24

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

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

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

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

PERMIT NUMBER: MA0003891 | DISCHARGE NUMBER: 009 B

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

Form Approved.
OMB No. 2040-0004

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

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	0	0	(26) LBS/DY	******	******	******		0	01/DW	CP
00310 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0.9	1.8	(26) LBS/DY	******	******	******		0	01/DW	CP
00530 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.002	0.063	(03) MGD	******	******	******		0	99/99	RC
50050 V 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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Michael T. Carroll

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TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
413	494-3500	2004	2	24

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

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

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

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

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

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	SUM A

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

Form Approved.
OMB No. 2040-0004

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

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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
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	******	0.1	(26) LBS/DY	******	******	******		0	01/30	CP
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
NICKEL TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0.01	(26) LBS/DY	******	******	******		0	01/30	CP
01074 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
SILVER TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0.01	(26) LBS/DY	******	******	******		0	01/30	CP
01079 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
ZINC TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0.2	(26) LBS/DY	******	******	******		0	01/07	CP
01094 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
ALUMINUM, TOTAL (AS AL)	SAMPLE MEASUREMENT	******	0.4	(26) LBS/DY	******	******	******		0	01/30	CP
01105 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
CADMIUM TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	01/30	CP
01113 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
LEAD TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0.02	(26) LBS/DY	******	******	******		0	01/07	CP
01114 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

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TELEPHONE		DATE		
413	494-3500	2004	2	24
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COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

COMPOSITE PROPORTIONATE TO FLOW

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

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

Form Approved.
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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	04	01	01	TO	04	01	31

*** NO DISCHARGE | | ***

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PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
CHROMIUM TOTAL RECOVERABLE 01118 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	0.01	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	0.04	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
CYANIDE, TOTAL RECOVERABLE 78248 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	0.24	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	GRAB
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COMPOSITE PROPORTIONATE TO FLOW.

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

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

MA0003891	SUM B
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

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

Form Approved.
OMB No. 2040-0004

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

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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 D. PULEX	SAMPLE MEASUREMENT	******	******		NODI [9]	******	******	(23)			
TDM3D 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	35 DAILY MN	******	******	PER-CENT		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

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413	494-3500	2004	2	24
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.

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

00181/0031024-PAGE This is a 2-part form. PAGE 1 OF

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

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

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

MA0003891	SUM C
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	01	01	TO	04	03	31

MAJOR
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TOXICS: 001, 004, 005, 007, 009, 011

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OMB No. 2040-0004

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

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

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AREA CODE	NUMBER	YEAR	MO	DAY

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

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

Attachment C

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

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

SGS

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

Samples collected in February 2004

Submitted to:

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

SGS Sample ID: TA4-B0-P036

Study Director: Ken Holliday

12 February 2004

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

SGS

Signatures and Approval

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

Tel: 304.346.0725
Fax: 304.346.0761
www.cteesi.com

Ken Holliday
Study Director
kholliday@sgsenvironmental.com

February 12, 2004
Date

Nancy A. Staab
Technical Writer
nancy_staab@sgs.com

February 12, 2004
Date

Peter Farrell
Project Manager
pfarrell@sgsenvironmental.com

February 12, 2004
Date

SGS

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: February 12, 2004
Date

Jeannie Latterner
Authorized signature

Jeannie Latterner
Name

QA/QC Manager
Title

SGS Environmental Services
Laboratory

SGS

Table of Contents

List of Tables

SGS

Summary

Static Acute Toxicity Test with *Daphnia pulex*

Sponsor:	General Electric
Protocol Title:	*Acute Aquatic Toxicity Testing*, SGS Document Control Number 7002, version 4.0
SGS Study Number:	TA4-B0-P036
Test Material:	Composite effluent from the General Electric Company located in Pittsfield, Massachusetts
GE Sample ID:	A5405C
Dilution Water:	Water from the Housatonic River (grab sample)
GE Sample ID:	A5404R
Dates Collected:	February 1, 2004 to February 2, 2004
Date Received:	February 3, 2004
Test Dates:	February 3, 2004 to February 5, 2004
Test Concentrations:	100% effluent 75% effluent 50% effluent 35% effluent 15% effluent 5% effluent dilution water control reference control secondary reference control (sodium thiosulfate)
Results:	The 48-hour LC50 value was determined to be >100% effluent. The No-Observed-Acute-Effect-Level (NOAEL) was observed to be 100% effluent.

1.0 Introduction

1.1 Background

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

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

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

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

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

1.3 Objective of the General Electric Study

The objective of this study was to measure the acute toxicity of the composite wastewater discharged by the General Electric facility located in Pittsfield, Massachusetts, using *Daphnia pulex* under static conditions. Whereas *D. pulex* are not considered locally important, they are routinely used by regulatory agencies and contract laboratories nationwide for toxicity testing. A toxicity test was conducted from February 3, 2004 to February 5, 2004 at SGS Environmental Services, Charleston, West Virginia. All original raw data and the final report produced for this study are stored in SGS's archives at the above location.

2.0 Materials and Methods

2.1 Protocol

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

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

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

2.2 Effluent Sample

The effluent sample (A5405C) was collected by GE personnel from February 1, 2004 to February 2, 2004. Upon receipt at SGS on February 3, 2004, the sample temperature was 2.3° C. The effluent sample was characterized as having

Parameter	Result
Total Hardness	290
Alkalinity (as $CaCO_3$)	327
pH	7.78
Specific Conductance	1566
Dissolved Oxygen Concentration*	8.71

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

The effluent sample was observed to be clear and colorless.

2.3 Dilution Water

Dilution water consisted of receiving water collected from the Housatonic River. The receiving water (A5404R) was collected by General Electric personnel on February 2, 2004. Upon receipt at SGS on February 3, 2004, the sample temperature was 2.3°C. The dilution water was characterized as having

Parameter	Result
Total Hardness	120
Alkalinity (as $CaCO_3$)	78
pH	6.99
Specific Conductance	325
Dissolved Oxygen Concentration*	8.64

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

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

2.4 Reference Control Water

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

Parameter	Result
Total Hardness	110
Alkalinity (as $CaCO_3$)	69
pH	7.11
Specific Conductance	332
Dissolved Oxygen	8.84

2.5 Test Organisms

Daphnids (*Daphnia pulex*), less than 24-hours old, were obtained from SGS laboratory cultures maintained in Charleston. The culture system consisted of twenty-four (24) 100 ml disposable plastic beakers each containing 80 ml of culture medium and one (1) daphnid. The culture medium was deionized (DI) water for which the hardness was raised by addition of reagent grade chemicals (U.S. EPA, 1993). Prior to use, the culture water was characterized:

Parameter	Result
Total Hardness	within range of 80-110 mg/L
Alkalinity (as $CaCO_3$)	within range of 60-70 mg/L
pH	within range of 7.0 to 7.2

The culture area was maintained at a temperature of 20°C (± 1°C) with a regulated photoperiod of 16 hours of light and 8 hours of darkness.

Daphnid cultures were fed a combination of green algae (*Selanastrum capricorium*), approximately 4.0 x 10^7 cells/ml) and YCT (yeast, cereal leaves and trout chow). Approximately 1.0 ml of algae and 0.5 ml of YCT was added to each culture vessel daily. Three times per week, daphnids are transferred to fresh culture media.

Approximately twenty-four hours before test initiation, all immature daphnids were removed from the culture flasks. Offspring produced during the period were used in the toxicity test.

2.6 Test Procedures

A subsample of the effluent and the dilution water (approximately 2250 ml) was analyzed by SGS for total phosphorus, chloride, total suspended solids, and total solids. The 48-hour toxicity test was conducted at concentrations of 100%, 75%, 50%, 35%, 15% and 5% effluent. Test concentrations were prepared by diluting

the appropriate volume of effluent with dilution water to a total volume of 25 ml. Test solutions were then divided into replicate (5 replicates per concentration) 30 ml medicine cups, each containing 20 ml of test solution. One set of five control beakers (containing Housatonic River water) and one set of five reference control beakers (containing moderately hard reconstituted water) were established and maintained under the same conditions as the exposure concentrations. A secondary set of five reference control beakers (containing sodium thiosulfate) was also maintained. Test solutions were placed in an incubator to maintain solution temperature of 20°C (± 1°C). Light was provided on a 16-hour light and 8-hour dark photoperiod. Florescent bulbs provided an illumination of 90 to 100 foot-candles in the test area.

Prior to test initiation, daphnids less than 24-hours old were culled individually with a plastic pipette and placed into a 1000 ml holding beaker containing approximately 500 ml of reference water. The test was initiated when daphnids were individually transferred from the holding beaker to the test solutions (4 daphnids per replicate). The daphnids were fed prior to test initiation but were not fed during the exposure period.

2.7 Test Monitoring

The number of mortalities and observations in each replicate vessel were recorded at 24 and 48 hours of exposure and observed mortalities were removed from the test solutions. Biological observations and observations from the physical characteristics of each replicate test solution and control were also made and recorded at 0, 24 and 48 hours. Dissolved oxygen concentrations pH and temperature were measured at test initiation and at 24-hour intervals thereafter, in one replicate vessel (a) for each test concentration in which there were surviving organisms.

Total hardness concentrations were measured by the EDTA titrimetric method and total alkalinity concentrations were determined by potentiometric titration to an endpoint of pH 4.5 (APHA, 1989). Total residual chorine was measured by Hach test. Concentrations of ammonia were determined using a Buchi model 212 distillation unit and titrated automatically with a Brinkman titroprocessor. Specific conductivity was measured with a Cole Palmer Model 71250 salinity-conductivity-temperature meter and probe; pH was measured with a Fisher Scientific Accumet 910 pH meter and combination electrode; dissolved oxygen concentration was measured with an YSI Model 59 dissolved oxygen meter. Daily temperature measurements were performed with a Princo mercury thermometer and a Fisher minimum-maximum thermometer. Light intensity was measured with a General Electric type 217 light meter.

2.8 Reference Toxicity Test

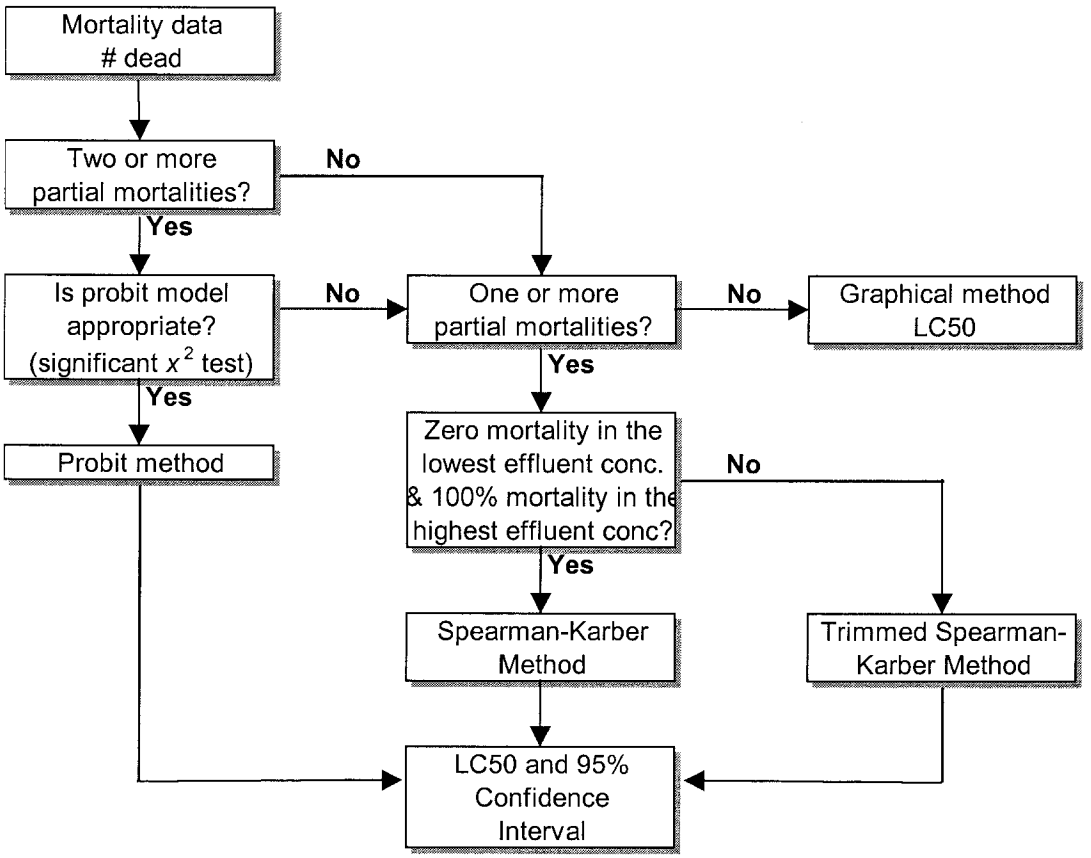
A 48-hour reference toxicity test exposing *Daphnia pulex* to sodium chloride (NaCl) was conducted from February 3, 2004 to February 5, 2004. The reference test was conducted to establish the health of the test organisms. The reference toxicity test included five NaCl concentrations and a dilution water control (moderately hard reconstituted water). The nominal NaCl concentrations for the test with *Daphnia pulex* ranged from 625 to 10,000 mg of NaCl/L. Test methods were the same as those described above for the effluent test.

3.0 Statistics

The concentration-response relationships observed were characterized by the median lethal concentrations (LC50), which is the concentration that is calculated to be lethal to 50 percent of the organisms within the test period. If no concentration caused mortality of 50%, then the LC50 value was determined to be greater than the highest concentration tested and no statistical analysis were performed. If at least one concentration caused mortality of greater than 50% of the test population, then a computer program (TOXSTAT 3.5) was used to calculate the LC50 value. Three statistical methods were available in the computer program: probit analysis, the Trimmed Spearman-Karber, and the Spearman-Karber methods. The graphical method is available if appropriate. Generally, to choose the best estimate of the LC50 value for a particular data set, the U.S. EPA flow chart on page 15 was followed.

The No-Observable-Acute-Effect-Level (NOAEL) was estimated for the acute toxicity test, and is defined as the highest concentration of effluent that produced $\geq$ 90% survival.

Flowchart 1. Determination of the LC50 from a Multi-Effluent-Concentration Acute Toxicity Test



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

4.0 Results

4.1 Effluent Toxicity Test

The methods and detection limits of chemical analyses performed on the composite effluent sample and dilution water are summarized in Table 1. Results of the characterization and analysis of the effluent and the dilution water are presented in Table 2. Water quality parameters measured during the toxicity test are presented in Table 3. Daily and continuous monitoring of the test solutions established the temperature ranged from 19°C to 21°C throughout the exposure period. The effluent concentration was tested (expressed as %) and the corresponding percent mortalities recorded during the 48-hour toxicity test are presented in Table 4. Significant toxicity was not demonstrated in this examination. Based on the results of this study, the 48-hour LC_{50} value was >100% effluent. The NOAEL value for this study was determined to be 100% effluent.

4.2 Reference Toxicity Test

SGS uses sodium chloride (NaCl) as a reference toxicant. The reference test was conducted from February 3, 2004 to February 5, 2004, and the resulting 48-hour LC50 was estimated by Trimmed Spearman-Karber Method to be 2031 mg NaCl/L (95% confidence intervals of 1669 to 2470 mg NaCl/L).

References

American Public Health Association, American Water Works Association, and Water Pollution Control Federation (APHA). 1989. *Standard Methods for the Examination of Water and Wastewater*. 17th Edition.

U.S. Environmental Protection Agency. 1984. Development of water Quality-Based Permit Limitations for Toxic Pollutants. Federal Register 49(48):90160-90190.

U.S. Environmental Protection Agency. 1985. Technical Support Document for Water Quality-Based Toxics Control. Office of Water, Washington, DC.

U.S. Environmental Protection Agency. 1991. Technical Support Document for Water Quality-Based Toxics Control. Office of Water, Washington, DC.

U.S. Environmental Protection Agency. 1993. for *Measuring the Acute Toxicity of Effluents and Receiving Methods Waters to Freshwater and Marine Organisms*. EPA/600/4-90/027F.

SGS

Table 1. Methods and detection limits of chemical analyses of the General Electric Pittsfield Plant effluent and the dilution water (Housatonic River).

Parameters	Method	Detection Limits
Ammonia Nitrogen as N	EPA 350.2	0.5 mg/L
Chloride	EPA 325.2	1.0 mg/L
Total Organic Carbon	EPA 415.1	0.1 mg/L
Total Solids	EPA 160.3	5.0 mg/L
Phosphorus, Total as P	EPA 365.2	0.02 mg/L
Total Residual Chlorine	Standard Methods 4500-Cl G	0.01 mg/L
Total Suspended Solids	EPA 160.2	5.0 mg/L

SGS

Table 2. Results of the characterization and analyses of the General Electric Pittsfield Plant effluent and the dilution water (Housatonic River).

Parameter	Effluent (A5405C)	Housatonic River (A5404R)
Temperature	20.6°C	20.6°C
PH	7.78	6.99
Alkalinity (as $CaCO_3$)	327 mg/L	78 mg/L
Hardness (as $CaCO_3$)	290 mg/L	120 mg/L
Dissolved Oxygen	8.71 mg/L	8.64 mg/L
Specific Conductivity	1566 μmhos/cm	325 μmhos/cm
Salinity	N/A	N/A
Total Residual Chlorine	ND	ND
Ammonia as N (0-Hour)	ND	ND
Total Phosphorus as P	ND	ND
Chloride	190 mg/L	22 mg/L
Total Suspended Solids	ND	ND
Total Solids	630 mg/L	120 mg/L
Total Organic Carbon	9.6 mg/L	9.2 mg/L

Dissolved oxygen concentrations recorded after samples were aerated and warmed to approximately 20°C.
N/A = not applicable ND = non detectable

Table 3. The water quality measurements recorded during the 48-hour static toxicity test exposing *Daphnia pulex* to General Electric Pittsfield Plant effluent.

Matrix ↓	pH			Dissolved Oxygen (mg/L)			Temperature (°C)		
	0	24	48	0	24	48	0	24	48
Reference Control	7.11	7.20	7.22	8.84	8.61	8.63	20.6	20.2	19.7
Secondary Ref Control	7.19	7.27	7.24	8.88	8.58	8.50	20.6	20.2	19.7
Dilution Water Control	6.99	7.04	7.09	8.64	8.47	8.52	20.6	20.2	19.7
5% Effluent	7.27	7.34	7.27	8.85	8.52	8.53	20.6	20.2	19.7
15% Effluent	7.34	7.44	7.37	8.87	8.54	8.47	20.6	20.2	19.7
35% Effluent	7.47	7.51	7.50	8.82	8.57	8.47	20.6	20.2	19.7
50% Effluent	7.52	7.68	7.54	8.78	8.53	8.50	20.6	20.2	19.7
75% Effluent	7.70	7.78	7.67	8.70	8.55	8.58	20.6	20.2	19.7
100% Effluent	7.78	7.74	7.62	8.71	8.58	8.41	20.6	20.2	19.7

Dissolved oxygen, pH and temperature were measured in one replicate test chamber (A) for each concentration and controls.
The appearance of the effluent was clear, with some sediment.

Reference Control = moderately hard synthetic water
Secondary Control = moderately hard synthetic water and 0.1 N sodium thiosulfate ($Na_2S_2O_3$)
Dilution Water Control = receiving water collected from the Housatonic River

SGS

Table 4. Cumulative percent mortalities recorded during the 48-hour static toxicity test exposing *Daphnia pulex* to General Electric Pittsfield Plant effluent.

Test Matrix ↓	Cumulative Percent Mortality (%)											
	24-Hour						48-Hour					
	A	B	C	D	E	Mean	A	B	C	D	E	Mean
Reference Control	0	0	0	0	0	0	0	0	0	0	0	0
Secondary Ref Control	0	0	0	0	0	0	0	0	0	0	0	0
Dilution Water Control	0	0	0	0	0	0	0	0	0	0	0	0
5% Effluent	0	0	0	0	0	0	0	0	0	0	0	0
15% Effluent	0	0	0	0	0	0	0	0	0	0	0	0
35% Effluent	0	0	0	0	0	0	0	0	0	0	0	0
50% Effluent	0	0	0	0	0	0	0	0	0	0	0	0
75% Effluent	0	0	0	0	0	0	0	0	0	0	0	0
100% Effluent	0	0	0	0	0	0	0	0	0	0	0	0

Reference Control = moderately hard synthetic water
$Na_2S_2O_3$ Control = moderately hard synthetic water and sodium thiosulfate (0.1 N)
Dilution Water Control = receiving water collected from the Housatonic River

SGS

Appendix I

References

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Document Title:	**Acute Aquatic Toxicity Testing**
Method Reference:	**CT&E/USEPA**
Document File Name:	**7002-04.DOC**
Revision Number:	**4.0**
Effective Date:	**October 20, 1998**

Document Control Number: 7002.

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

Approved by: Linda M. Dark (QA/QC Officer) 10/20/98 (Date)

1.0 SUMMARY

A 24-, 48-, or 96-hour test to determine the toxicity to freshwater aquatic animals of effluents.

2.0 REFERENCES

2.1 Weber, Cornelius I., *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms.*, Fourth Edition. EPA-600/4-90/027. U.S.EPA, Cincinnati, Ohio.

2.2 *Reporting and Testing Guidance for Biomonitoring Required by the Ohio Environmental Protection Agency* , October, 1991.

2.3 *Toxics Management Program's Guidance for Conduction and Reporting the Results of Toxicity Tests in Fulfillment of VPDES Permit Requirements*, Revised July 1992.

3.0 SCREENING

3.1 Test Duration

24 Hours, 48 Hours or 96 Hours.

3.2 Test Preparation

3.2.1 Measure the pH, D.O. and total residual chlorine of the 100% effluent and the control water. If the effluent pH falls outside of the range of 6.0-9.0, two parallel tests are set up in which one effluent is adjusted and the other is not. The pH is adjusted to 7.0 using additions of 1N NaOH and HCl, (other pH adjustment endpoints may be utilized depending on local requirements). The measured amount of acid or base is recorded on the bench sheet. If the D.O. is below 40% saturation or above 100% saturation, the effluent is aerated prior to test initiation. If the total chlorine is above 0.1 mg/L, two parallel tests are set up in which one

effluent is dechlorinated and the other is not (Dechlorination may be prohibited; permit is checked to determine if dechlorination is allowed). The effluent is dechlorinated by the addition of anhydrous sodium thiosulfate. The measured amount is recorded on the bench sheet. Care is taken to add the least amount of sodium thiosulfate needed to decrease the TRC level below 0.10 mg/L. Typically, adjustment of effluent is unnecessary.

3.2.2 Twenty organisms per concentration are used in acute screening tests.

3.2.3 This is a static, non-renewal test, using *Ceriodaphnia dubia, Daphnia pulex, Daphnia magna*, or *Pimephales promelas* (Fathead minnow).

3.2.4 Water quality (D.O., pH, conductivity, hardness, alkalinity and TRC), is measured at the time of test initiation. At test termination, temperature, D.O. conductivity and pH are measured. The final mortality and percent effected counts are recorded. Temperature is maintained at 25°± 1°C for *Daphnia*, and 20° ± 1°C for fathead minnows. Facilities exist to perform both fish and *Daphnia* tests at either temperature.

3.3 Test Results

No statistical analysis is performed on screening data.

4.0 DEFINITIVE TEST

4.1 *Pimephales promelas* (Fathead Minnows)

4.1.1 Test Duration

48-Hours or 96-Hours

4.1.2 Static non-renewal

4.1.3 Test Preparation

4.1.3.1 This test is comprised of a control and an effluent dilution series usually consisting of 100%, 50%, 25%, 12.5% and 6.25% (unless otherwise indicated).

4.1.3.2 The sample is brought up to test temperature in a room temperature water bath. Chemical parameters are checked and

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recorded. If the pH, D.O. or chlorine fall outside the acceptable testing range, the effluent may be adjusted (see screening; Test Preparation).

4.1.3.3 The dilutions are prepared in calibrated graduated cylinders using moderately hard synthetic water as dilution water. Other dilution water may be used if specified.

4.1.3.4 Approximately 400 ml of test solution is placed in each of two 800 ml disposable plastic beakers.

4.1.4 Loading

Ten (10) organisms are placed in each beaker. CT&E uses fish which are less than 14 days old and are hatched within the same 24 hour period. A loading limit of 0.8 g/l is observed. Fish are loaded by first transferring them to a shallow dish where they are easily transferred into the test solutions with wide-bore pipettes.

4.1.5 Test Temperature

20° C (± 1)

4.1.6 Daily Procedures

4.1.6.1 At the end of each 24 hours, the pH, D.O. and temperatures are checked and recorded. At this time mortalities are also recorded.

4.1.6.2 If a 96 hour static acute test is required, the test solution may be renewed at 48 hours. Renewal is accomplished by siphoning old test solution and debris and replacing with fresh solution of the appropriate concentration.

4.1.6.3 At the end of 48 hours or 96 hours the final mortalities and percent affected are recorded along with the final water qualities (D.O., pH, conductivity).

4.1.7 Feeding

Organisms are allowed to feed only prior to test initiation, and prior to renewal at 48 hours in a 96 hour test.

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4.2 *Ceriodaphnia dubia, Daphnia magna,* and *Daphnia pulex*

4.2.1 Test Duration

48-Hours

4.2.2 Static Non-renewal

4.2.3 Test Preparation

4.2.3.1 This test is comprised of a control and a dilution series consisting of 100%, 50%, 25%, 12.5% and 6.25% of the effluent (unless otherwise indicated).

4.2.3.2 The sample is brought up to test temperature in a room temperature waterbath. Chemical parameters are checked and recorded. If the pH, D.O. or chlorine fall outside the acceptable testing range, the effluent may be adjusted (see screening; Test Preparation).

4.2.3.3 The dilutions are prepared in beakers using moderately hard synthetic water (see Section II; Dilution Waters and Culture Media), unless other dilution water is specified. At least 25 ml. of each dilution are placed in five 30 ml. testing vessels.

4.2.4 Loading

4.2.4.1 Four organisms are placed in each vessel. The *Daphnids* are loaded with a disposable polyethylene transfer pipette and are gently released below the surface of the water to avoid the risk of injury.

4.2.5 Test Temperature

The test is conducted in a constant temperature incubator at 25° ±1° C(To satisfy local requirements tests may be conducted at other temperatures).

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4.2.6 Daily Procedure

4.2.6.1 At 24 and 48 hours the mortalities and number adversely effected are noted.

4.2.6.2 Due to the fragile structure of *Daphnia* organisms, dissolved oxygen, hardness alkalinity, specific conductance and pH readings are not taken after the organisms have been added to the sample. These analyses could cause injury to the *Daphnia* organisms.

4.2.7 Photoperiod

16 hours light, 8 hours dark.

4.2.8 Feeding

Organisms are allowed to feed prior to test initiation; they are not fed for the duration of the test.

5.0 TEST DATA

5.1 *Pimephales promelas*, *Ceriodaphnia dubia, Daphnia magna* and *Daphnia pulex*

5.1.1 Mortality and adverse effects are used as the endpoints for a definitive test.

5.1.2 Chemical parameters checked before test initiation, at 24 hours, 48 hours, 72 hours and 96 hours.

5.1.3 Mortalities recorded at 24 hours, 48 hours, 72 hours and 96 hours.

5.1.4 Any atypical behavior or complications are recorded.

6.0 DATA ANALYSIS

6.1 Introduction

Data from acute effluent toxicity tests are used to estimate the **LC50** and **EC50**. The **LC50** is a point estimate of the effluent concentration that is expected to cause lethality to 50% of the test organisms. The **EC50** is a point estimate of

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the effluent concentration that is expected to cause and adverse effects to 50% of the test organisms.

6.2 Methods for Estimating the LC50 & EC50

6.2.1 The flow chart (Figure 6) on page 76 of the manual, *Methods for Measuring the Acute Toxicity of Effluents and Receiving Water to Freshwater and Marine Organisms* (Fourth Edition), EPA-600/4-90-27F, Appendix A, Sections 4.4.1 through 4.4.3. is observed for determination of the LC50 for multi-concentration acute toxicity tests.

6.2.2 Several statistics packages, including Toxstat® 3.4, are available for data analysis.

7.0 REPORT PREPARATION

7.1 CT&E Acute Toxicity Test Reports Typically Contain the Following Information:

7.1.1 Test background information - Includes client, NPDES or state permit number, sampling point reference number, date collected and received, collector's name, type and date of test, dilution water used, test results, and chain of custody forms.

7.1.2 Results - **LC50 & EC50** values and analysis method used; Any comments concerning the test results.

7.1.3 Initial Characterization of the Effluent Sample - Raw Data Sheets: Includes dissolved oxygen (DO), pH, specific conductivity, hardness, alkalinity and a description of the sample source.

7.1.4 Reference Toxicity Data

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

Document Control Number: 7005

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

Approved by: Lynda M. Work (QA/QC Officer) Date: 10/20/98

1.0 Summary

This document describes the preparation of various waters used for the culture of aquatic organisms.

2.0 Moderately-Hard Synthetic Water

2.1 Place 19 liter of de-ionized, or equivalent, water in a properly cleaned and labeled plastic carboy.

2.2 Add 1.20 g of $MgSO_4$, 1.92 g $NaHCO_3$ and 0.08g KCl to the carboy.

2.3 Aerate overnight.

2.4 Add 1.20 g of $CaSO_4 \cdot 2H_2O$ to 1 liter of de-ionized or equivalent water in a separate flask. Stir on magnetic stirrer until calcium sulfate is dissolved and add to the 19 liter above and mix well.

2.5 Aerate vigorously for 24 hours to stabilize the medium.

3.0 Hard Synthetic Water

3.1 Place 9 liter of de-ionized, or equivalent, water in a properly cleaned and labeled plastic carboy.

3.2 Add 1.20 g of $MgSO_4$, 1.92 g $NaHCO_3$ and 0.08g KCl to the carboy.

3.3 Aerate overnight.

3.4 Add 1.20 g of $CaSO_4 \cdot 2H_2O$ to 1 liter of de-ionized, or equivalent water in a separate flask. Stir on magnetic stirrer until calcium sulfate is dissolved and add to the 9 liter above and mix well.

3.5 Aerate vigorously for 24 hours to stabilize the medium.

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4.0 Synthetic Water Solutions

4.1 KCL Stock Solution

4.1.1 Place 8 g of crystalline, reagent grade KCL in a 1 liter volumetric flask.
4.1.2 Bring the volume to one liter with distilled water.
4.1.3 Aerate vigorously for several hours before using.
4.1.4 Store in a 1 liter polyethylene bottle.

4.2 $MgSO_4$ Stock Solution

4.2.1 Place 120 g of regent water, anhydrous $MgSO_4$ powder in a 1 liter volumetric flask.
4.2.2 Bring the volume to one liter with distilled water.
4.2.3 Aerate vigorously for several hours before using.
4.2.4 Store in a 1 liter polyethylene bottle.

4.3 $NaHCO_3$ Stock Solution

4.3.1 Place 96 g of reagent grade $NaHCO_3$ powder in a 1 liter volumetric flask.
4.3.2 Bring the volume to 1 liter with distilled water
4.3.3 Aerate vigorously for several hours before using.
4.3.4 Store in a 1 liter polyethylene bottle.

5.0 Activated Carbon Treated Tap Water Diluent

5.1 Fill a 5-gallon carboy with water from the treatment system using the attached hose. Water should be allowed to flow slowly through the hose into the sink for 2-3 minutes before filling the carboy. Flow rate to fill the carboy should be slow.

5.2 One or two long airstones are placed in the filled carboy. Water is aerated vigorously for 48-hours.

5.3 Total residual chlorine must be checked on water from newly filled carboys before using.

5.4 Alkalinity, hardness and pH are checked on samples from dechlorinated water carboys according to the Laboratory Procedure Checklist.

5.5 Log information on the Dechlorinated Tap Water and Cechlorimeter log sheet including the carboy number and date filled.

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6.0 Synthetic Sea Water Preparation

6.1 Fill a clean carboy with dechlorinated water to approximately the 25-gallon mark.

6.2 The newly filled carboy should be checked for the presence of chlorine and the results recorded on the saltwater carboy log sheet. If chlorine is present, two 4-inch airstones (adjusted to a moderately heavy air flow) should be introduced and the water aerated until a level of <0.01 mg/L is reached.

6.3 A sufficient amount of synthetic salt is added to the carboy to obtain the required salinity (usually 20 ppt).

6.4 All information should be logged on the Saltwater Carboy log sheet.

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

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

Approved by: [signature] 3/23/2001
QA/QC Officer Date

1.0 Summary

This document describes the procedure for the culture of *Ceriodaphnia dubia, Daphnia pulex, Daphnia magna* that are used in aquatic toxicity testing.

2.0 Mass Stock Cultures of *Ceriodaphnia dubia, Daphnia pulex,* and *Daphnia magna*

2.1 Stock cultures are maintained in 1000 ml beakers/jars with 900 mls of culture media at 20 ± 1° C. These cultures are maintained only as a back-up source of organisms.

2.2 Culture media for *Ceriodaphnia dubia* and *Daphnia pulex* is moderately-hard synthetic water. Culture media for *Daphnia magna* is hard synthetic water (see document control number 7005.04, "Culture Waters for Aquatic Toxicity Testing").

2.3 Many cultures are maintained simultaneously with an informal rotation cycle. New cultures are started with young produced by individual cultures. These cultures are maintained for approximately 3 weeks after which they are discarded.

2.4 Cultures are fed YCT (yeast, cerophyll, digested trout chow/flake food) and algae (*Selanastrum capricorium*) on Monday, Wednesday and Friday. Feeding, as well as culture rotation, temperature and all other relevant data is recorded by species in a log book.

2.5 Stock cultures are also fed algae and YCT. These feedings are recorded in the log book.

3.0 Individual Cultures of *Ceriodaphnia dubia, Daphnia pulex, Daphnia magna*

3.1 Cultures of *Daphnia magna* and *Daphnia pulex* are maintained in 100 ml plastic beakers. Twenty-four (24) beakers with one organism each are kept at all times to ensure continuous availability of neonates for testing. Cultures of individual *Ceriodaphnia dubia* are maintained in 30 ml sterile plastic medicine cups. One to two cultures of approximately 100 organisms each are kept at all times.

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3.2 Cultures are renewed three times per week. Organisms are fed daily.

4.0 Obtaining Neonates for Testing

4.1 Cultures of *Ceriodaphnia* are started by placing one neonate into a 30 ml disposable plastic cup containing approximately 20 ml of Moderately Hard Synthetic Water. New *Ceriodaphnia* cultures are started every ten to fourteen days. *D. magna* and *D. pulex* are replaced whenever mortality occurs.

4.2 The individual cultures are transferred to fresh media three times per week. Synthetic water, algae and YCT are mixed prior to pouring into culture vessel to ensure uniformity of media. The old media and neonates are kept for stock cultures for several weeks and then discarded.

4.3 To assure neonates for chronic tests are of a very similar age, transfer of individual brood stock to fresh media should be made the morning of the test. The cultures are then checked approximately every two hours to find an adequate number of neonates all released with an 8 hour period. For acute tests, individuals are either transferred less than 24 hours before a test or the young are separated from adults less than 24 hours before a test.

4.4 Young used in chronic testing are obtained from adults who have produced at least three broods, with no less than 8 neonates in their third or subsequent brood. Neonates are then distributed in a "blocking" procedure, i.e., neonates from the same organism are placed in one replication of each concentration.

5.0 *DAPHNIA* Food

5.1 Digested Flake Food

5.1.1 Add 5g flake food to 1 L deionized water. Mix well in a blender and place in a 2 L separatory funnel. To digest, aerate this mixture at room temperature for one week.

5.1.2 At end of the digestion period, remove aeration and allow to settle.

5.1.3 Drain sediment. Place supernatant in a beaker and allow to settle in refrigerator overnight.

5.1.4 Filter through fine mesh.

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5.2 Cerophyll®

5.2.1 Add 5g Cerophyll® to 1 L deionized water. Mix in a blender on high speed for 5 minutes.

5.2.2 Remove from blender and allow to settle in refrigerator overnight.

5.2.3 Retain supernatant for combined YCT food.

5.3 Yeast

5.3.1 Add 5g dry yeast to 1 L deionized water. Mix in a blender at low speed.

5.3.2 Do not allow mixture to settle.

5.4 Combined YCT Food

5.4.1 Mix equal parts of each of the above preparations in large clean beakers.

5.4.2 Pour well mixed YCT into small screw cap bottles. Freeze until needed.

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Approved by: Ken Holliday — Supervisor — Date: 3/23/2001

Approved by: [signature] — QA/QC Officer — Date: 3/23/2001

1.0 Summary

To insure that healthy organisms are used in testing, CT&E performs monthly QA/QC tests on all in-house cultured organisms. CT&E uses Sodium Chloride as a reference toxicant.

2.0 *Pimephales promelas*

2.1 48 hour static acute toxicity tests are run at 20°C (±1°C) using fish 1 to 14 days old.

2.2 This test consists of a control and a dilution series of 10g/L, 9g/L, 8g/L, 7g/L, and 6g/L, of sodium chloride. Other dilution series may be used.

2.3 The dilutions are prepared in 800 ml disposable plastic beakers using moderately hard synthetic water. 500 mls of test solution is placed in each of two replications. Water quality values are measured and recorded at this time.

2.4 Ten organisms are placed in each replicate. Fish are loaded by first siphoning them into a shallow pan from which they are transferred to the beakers with a large bore pipette.

2.5 The test is terminated at 48 hours. At this time, mortalities are recorded along with final water quality data.

3.0 Daphnids *(Ceriodaphnia dubia, Daphnia magna, Daphnia pulex)*

3.1 48 hour static acute tests are performed at 25°C (±1°C) using organisms less than 24 hours old.

3.2 These tests consist of a control and a five dilution series. The concentration of the reference toxicant is varied depending on species.

3.2.1 *Ceriodaphnia dubia, Daphnia pulex:* 10, 5, 2.5, 1.25, 0.625 grams/L

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3.2.2 *Daphnia magna:* 10, 5, 2.5, 1.25, 0.625 grams/L

3.3 Dilutions are prepared using moderately hard synthetic water. 20 mls of each dilution are placed in each of 5 plastic medicine cups.

3.4 Four organisms are placed in each test vessel. The *Daphnids* are loaded with a disposable plastic pipette. Organisms are gently released below the surface of the water to minimize risk of injury.

3.5 The test is terminated at 48 hours. At this time, mortalities are recorded along with final water quality data.

4.0 Data Analysis

4.1 Toxicity tests are conducted on a monthly basis.

4.2 The LC_{50} is calculated according to EPA protocols.

4.3 Results from these tests are incorporated into Q-sum charts. These records are kept in monthly files.

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

Document Control Number: 7009.

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

Approved by: Lydia M. Downs (QA/QC Officer) Date: 10/20/98

1.0 Summary

This document describes the manner in which sample waters (effluents, wastewaters, etc.) are handled from point of collection to testing.

2.0 Sample Handling

2.1 Sampling Personnel

CT&E's sampling personnel are trained and experienced in the techniques for collecting samples according to NPDES permit requirements. This includes the use of automatic sampling equipment and the measurement of various field parameters.

2.2 Sample Containers

Sample containers used by CT&E are disposable plastic cubitainers®.

2.3 Sample Collection Points

For NPDES permit required tests, the sample will be collected at the point specified in the discharge permit unless otherwise directed by the regulatory agency.

2.4 Sample Shipment

Samples are placed on ice (sufficient to maintain 0-4°C) in a cooler and are transported as quickly as possible to the laboratory.

2.5 Laboratory Handling of Samples

Upon delivery to the laboratory, the effluent samples are inspected, given a sample control number and stored at 4° C until used for testing.

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2.6 Sample Holding Time

Samples will be tested within 24 hours upon receipt in the laboratory. The maximum lapsed time for collection of a grab or composite sample and the initiation of test, or for test solution renewal, will not exceed 36-hours for Chronic and Acute Testing.

3.0 LABORATORY ENVIRONMENT

3.1 Laboratory Arrangement

The aquatic toxicity testing laboratory is divided into two separate areas: (1) the culturing laboratory and (2) the testing laboratory. See attached diagram for details of laboratory layout.

3.2 Temperature

The aquatic toxicity testing laboratory air temperature is maintained at 20 ± 1° C throughout the year by a central heating and cooling system which is regulated by thermostats. Temperatures are continuously recorded by thermographs.

3.3 Water

Several waters are available for use in the laboratory. CT&E has access to municipally supplied water, well water and reagent water from which synthetic water is prepared. Waters used for culturing and testing are analyzed semiannually for priority pollutants and other contaminants. A detailed report is available.

3.4 Lighting

Ambient laboratory lighting is regulated with a 16 hour day/8 hour night photoperiod controlled by an electronic timing system in the culturing and testing areas.

4.0 LABORATORY EQUIPMENT

4.1 General

Instruments used for the measurement of physical and chemical parameters are calibrated prior to use in testing. Any instrument that exceeds the calibration limits is taken out of service and corrective action is taken.

CT&E Environmental Services Inc.
Standard Operating Procedure

4.2 Balances

Analytical balances are calibrated against standard weights prior to use. All calibration results and adjustments are recorded in bound books.

4.3 Water Quality Meters

Meters are calibrated prior to use using known standards and the manufacturer's instructions. Records of calibration are kept in logbooks. Detailed procedures for the operation of these meters are found in SOP's for each specific instrument.

4.4 Reagents

All reagents are stored in a separate area. Expired reagents and chemicals are discarded.

4.5 Test Containers

All test containers are either clean reusable glassware or new, disposable plastic beakers.

5.0 EQUIPMENT CLEANING PROCEDURES

5.1 Equipment used in culturing or testing is washed in the following manner:

5.1.1 Soak 15 minutes and scrub with detergent in tap water.
5.1.2 Rinse three times with tap water.
5.1.3 Rinse once with 20% nitric acid.
5.1.4 Rinse twice with deionized water.
5.1.5 Rinse once with full-strength, pesticide-grade acetone.
5.1.6 Rinse well with deionized water.
5.1.7 Invert and air dry.
5.1.8 All equipment and test chambers are rinsed with deionized water immediately prior to use for each test.

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Appendix II

Chain of Custody

Chain of Custody Record

General Electric Co.

100 Woodlawn Ave. Pittsfield, MA 01201

Chain of Custody #: OBG020204

Dry **Weather Acute Aquatic Toxicity for** Feb. 2004

TA4-BO-0036-1/2

Project # NPDES PERMIT	Analytical Lab: CT&E Environmental Services Inc.			Sampled By: (Print) Mark Wasnewsky, Sean Coyle		
Sample #	Date	Time	Containers	Parameters to be Analyzed	Preservative	Remarks
1 A5405C	2/1 to 2/2/04	11^00 AM	1 Gallon plastic	Definitive Test(LC50 and NOAEL), Static acute toxicity, 48 hr w/ Daphnia pulex	Chilled	(See below)
1 A5405C	2/1 to 2/2/04	11^00 AM	1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
1 A5405C	2/1 to 2/2/04	11^00 AM	500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	
2 A5404R	2/2/04	8^10 AM	1 Gallon plastic	Housatonic River water dilution water for definitive test	Chilled	
2 A5404R	2/2/04	8^10 AM	1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
2 A5404R	2/2/04	8^10 AM	500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	

Relinquished By:	Date/Time	Received By:	Date/Time
Mark Wasnewsky	2-2-04		2-2-04 14:00
Relinquished By:	Date/Time	Received By:	Date/Time
	2-2-04 14:30		2/3/04 10:10

Additional Comments: The effluent sample being analyzed for toxicity is a flow-proportioned composite. Each outfall sample is a 24-hour composite. The sample collection times for each outfall are as follows:

001- 8^15 AM 004- / 005-64T- 7^00 AM 005-64G- 7^00 AM 007- / 09A- / 09B- /

The time of compositing the final flow-proportioned sample was 11^00 A.M.

2.3°C

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Appendix III

Bench Data

General Electric – 48-hour Acute Biotoxicity Bench Sheet

Client: General Electric

Project: DRY WEATHER ACUTE

Lab. No.: TA4-BO P036-001/002

Sample Date: 02/01 - 02/04 Time: 11:00

Date Received: 02/03/04

Source: EFFLUENT COMPOSITE

Date Analyzed: 02/03/04

Source of dilution water: HOUSATONIC RIVER WATER

Analyst(s): KH

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

Type of Test: 48-Hour Static Acute

Total Chlorine:

	Beginning	Ending
Date:	02/03/04	02/05/04
Time:	1300	1300

Concentration→	Housatonic River Control	MHSW Control	MHSW $Na_2S_2O_3$ Control	Effluent 5%	Effluent 15%	Effluent 35%	Effluent 50%	Effluent 75%	Effluent 100%
START									
Temperature	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
Hardness	120	110	100						240
D.O.	8.64	8.84	8.88	8.85	8.87	8.82	8.78	8.70	8.71
pH	6.99	7.11	7.19	7.27	7.34	7.42	7.52	7.70	7.78
Alkalinity	78	69	72						327
Sp. Conduct.	325	332	347	382	438	678	834	1264	1566
24 HOUR									
No. Surviving	20	20	20	20	20	20	20	20	20
Temperature	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
D.O.	8.47	8.61	8.58	8.52	8.54	8.57	8.53	8.55	8.58
pH	7.04	7.20	7.27	7.34	7.44	7.51	7.68	7.78	7.74
Sp. Conduct.	338	346	355	380	447	689	848	1284	1582
48 HOUR									
No. Surviving	20	20	20	20	20	20	20	20	20
Temperature	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
D.O.	8.52	8.63	8.50	8.53	8.47	8.47	8.50	8.58	8.41
pH	7.09	7.22	7.24	7.27	7.37	7.50	7.54	7.67	7.62
Sp. Conduct.	344	350	353	404	432	697	861	1312	1612

Method Reference: *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms.*, Fourth Edition. EPA-600/4-90/027F. U.S.EPA, Cincinnati, Ohio.

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

Acute Biotoxicity Bench Sheet

Client: QC

Project: Reference Toxicant Lab. No.:

Date Received:

Sample Date: Time: Date Analyzed:

Source: NaCl Analyst: KH

Source of dilution water: Moderately Hard Synthetic Water

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

Type of Test: 48 hour Static Acute

Total Chlorine:

	Beginning	Ending
Date:	7/3/04	7/5/04
Time:	1500	1500

Concentration	Control		625	1250	2500	5000	10,000
START							
Temperature	20.4		20.4	20.4	20.4	20.4	20.4
Hardness	100						120
D.O.	8.8		8.8	8.8	8.8	8.9	8.9
pH	7.2		7.2	7.2	7.3	7.3	7.4
Alkalinity	70						77
Sp. Conduct.	329		1112	2160	3790	6830	11,020
24 HOUR							
Temperature	20.4		20.4	20.4	20.4	20.4	20.4
No. Surviving	20		20	19	11	9	0
48 HOUR							
Temperature	20.2		20.2	20.2	20.2	20.2	20.2
No. Surviving			20	16	8	0	0

Note: All results expressed in mg/L unless otherwise designated. < = less than

Note: Number in parenthesis equals number not adversely effected (EC_{50}). This number is used in calculating EC_{50} value.

Note: Due to fragile structure of *Daphnia* organisms, dissolved oxygen (DO), hardness, alkalinity, specific conductance, and pH reading could not be taken after the organisms are added to the sample. Doing so would cause injury to the organisms.

Method Reference: *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine*

TRIMMED SPEARMAN-KARBER METHOD. MONTANA STATE UNIV

FOR REFERENCE, CITE:
HAMILTON, M.A., R.C. RUSSO, AND R.V. THURSTON, 1977.
TRIMMED SPEARMAN-KARBER METHOD FOR ESTIMATING MEDIAN
LETHAL CONCENTRATIONS IN TOXICITY BIOASSAYS.
ENVIRON. SCI. TECHNOL. 11(7): 714-719;
CORRECTION 12(4):417 (1978).

DATE: 02/03/04 TEST NUMBER: - DURATION: 48 HOURS
CHEMICAL: NaCl SPECIES: D. PULEX

RAW DATA:

CONCENTRATION(MG/L)	625.00	1250.00	2500.00	5000.00	*******
NUMBER EXPOSED:	20	20	20	20	20
MORTALITIES:	0	4	12	20	20

SPEARMAN-KARBER TRIM: 0.00%

SPEARMAN-KARBER ESTIMATES:	LC50:	2030.63
95% LOWER CONFIDENCE:		1669.12
95% UPPER CONFIDENCE:		2470.44

NPDES Permit No. MA000 3891
SGS ID number: TA4-B0-P036
February 12, 2004

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Appendix IV

U.S. EPA Region I Toxicity Test Summary

NPDES Permit No. MA000 3891
SGS ID number: TA4-B0-P036
February 12, 2004

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Toxicity Test Summary Sheet

Facility Name: General Electric Co. Test Start Date: February 3, 2004
NPDES Permit Number: MA 000 3891 Pipe Number: 001, 005-64T, 005-64G, 09A, 09B

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

*Modified (Chronic reporting acute values)

Dilution Water

X Receiving waters collected at a point upstream of or away from the discharge, free from toxicity or other sources of contamination (Receiving water name: Housatonic River);

___ Alternate surface water of known quality and a harness, etc. to generally reflect the characteristics of the receiving water;

___ Synthetic water prepared using either Millipore Mill-Q or equivalent deionized water and reagent grade chemicals; or deionized water combined with mineral water;

___ or artificial sea salts mixed with deionized water;

___ Deionized water and hypersaline brine; or

___ other

Effluent sampling date(s): February 1, 2004 to February 2, 2004

Effluent concentrations tested (in %): 100 75 50 35 15 5
*(Permit limit concentration): N/A

Was effluent salinity adjusted? No
If yes, to what value? N/A ppt
With sea salts? N/A Hypersaline brine solution? N/A

Actual effluent concentrations tested after salinity adjustment (in %): N/A N/A N/A N/A N/A N/A
Reference Toxicant Test Date: February 3, 2004 to February 5, 2004

N/A= not applicable

NPDES Permit No. MA000 3891
SGS ID number: TA4-B0-P036
February 12, 2004

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Permit Limits & Test Results

Test Acceptability Criteria

MEAN CONTROL SURVIVAL: 100% MEAN CONTROL REPRODUCTION: N/A

MEAN CONTROL WEIGHT: N/A MEAN CONTROL CELL COUNT: N/A

Limits		Results	
LC50	N/A	48-hr LC50	>100%
		Upper Value	N/A
		Lower Value	N/A
		Data Analysis Method used:	N/A
A-NOEC	N/A	A-NOEC	100%
C-NOEC	N/A	C-NOEC	N/A
		LOEC	N/A
IC25	N/A	IC25	N/A
IC50	N/A	IC50	N/A

N/A = not applicable