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

Transmitted via Overnight Courier

November 9, 2004

Mr. Dean Tagliaferro
U.S. Environmental Protection Agency
Region 1 – New England
10 Lyman Street, Suite 2
Pittsfield, MA 01201

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

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

Dear Mr. Tagliaferro and Ms. Steenstrup:

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

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

The enclosed monthly report includes, where applicable, tables that list the samples collected during the subject month, summarize the analytical results received during that month from sampling or other testing activities, and summarize other groundwater monitoring and oil recovery information obtained during that month. Also, enclosed for each of you (and for Weston) is a CD-ROM that contains these same tables of the analytical data and monitoring information in electronic form. In addition, sampling results from miscellaneous soil sampling activities conducted pursuant to GE's Excavation Protocols are included in a *Final Notification of On-Plant Excavations* letter report that was submitted to EPA and MDEP during October 2004, along with two *Pre-Excavation Notification* letters, one of which includes analytical results from soil sampling conducted in the area of the proposed excavation. Copies of these notification letters are attached to this monthly report.

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

Sincerely,

John F. Novotny /cts for

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

Enclosures
V:\GE_Pittsfield_General\Reports\CD-Monthly\10004\Cover Letter.doc

cc: Robert Cianciarulo, EPA (cover letter only)
Tim Conway, EPA (cover letter only)
James DiLorenzo, EPA
William Lovely, EPA (Items 7, 8, 9, 10, 11, 12, 16/17, 22, 23, and 25 only)
Rose Howell, EPA (cover letter only)
Holly Inglis, EPA (hard copy and CD-ROM of report)
Susan Svirsky, EPA (Items 7, 15, and 20 only)
K.C. Mitkevicius, USACE (CD-ROM of report)
Thomas Angus, MDEP (cover letter only)
Robert Bell, MDEP (cover letter only)
Anna Symington, MDEP (cover letter only)
Nancy E. Harper, MA AG
Susan Peterson, CT DEP
Field Supervisor, US FWS, DOI
Kenneth Finkelstein, Ph.D., NOAA (Items 13, 14, and 15 only)
Dale Young, MA EOEA
Mayor James Ruberto, City of Pittsfield
Thomas Hickey, Director, Pittsfield Economic Development Authority
Linda Palmieri, Weston (hard copy of report, CD-ROM of report, CD-ROM of data)
Richard Nasman, P.E., Berkshire Gas (CD-ROM of report)
Michael Carroll GE (CD-ROM of report)
Andrew Silfer, GE (cover letter only)
Rod McLaren, GE (CD-ROM of report)
James Nuss, BBL
James Bieke, Goodwin Procter
Jim Rhea, QEA (narrative only)
Teresa Bowers, Gradient
Public Information Repositories (5 copies)
GE Internal Repository (2 copies)

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

OCTOBER 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)
OCTOBER 2004

a. Activities Undertaken/Completed

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

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

b. Sampling/Test Results Received

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

- NPDES Discharge Monitoring Reports (DMRs) for the period of September 1 through September 30, 2004, are provided in Attachment B to this report.

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

- GE submitted a letter report titled *Final Notification of On-Plant Excavations* for excavations associated with utility work or other site work within the Main GE Plant Site (October 12, 2004). A copy of that report is provided in Attachment D. (This report is also referenced below under the individual areas to which it applies.)

c. Work Plans/Reports/Documents Submitted

- Submitted Notices of Change of Address to EPA, MDEP, and others (October 13 and 15, 2004).

- Submitted September 2004 DMRs, August 2004 Acute and Chronic Toxicity Reports (October 20, 2004).

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

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

- Continue NPDES sampling and monitoring activities.

- Continue discussions of a revised NPDES permit.

GENERAL ACTIVITIES
(cont'd)
GE-PITTSFIELD/HOUSATONIC RIVER SITE
(GECD900)
OCTOBER 2004

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Issues relating to a revised NPDES permit are under discussion.

f. Proposed/Approved Work Plan Modifications

None

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

a. Activities Undertaken/Completed

- Conducted meeting with Community Development Board to discuss Approval Not Required (ANR) Land Subdivision Plans for 20s and 30s Complexes (October 5, 2004).

- Met with EPA, MDEP, and PEDA representatives to observe current conditions at the 20s and 30s Complexes (October 13, 2004).*

- Continued discussions with EPA, MDEP, and PEDA regarding land transfer issues for the 20s and 30s Complexes.

- Completed discussions with holders of encumbrances at 20s and 30s Complexes regarding subordination agreements for Grants of Environmental Restrictions and Easements (EREs).*

- Continued pre-demolition activities at Buildings 42, 43/43-A, and 44.

- Continued oil monitoring in Building 43 elevator shaft; no recoverable quantities were encountered (see Item 21.a).

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

- Submitted *Final Notification of On-Plant Excavations* letter report for excavations near Building 36V and former Building 25 (October 12, 2004). A copy of this letter report is provided in Attachment D.

- Submitted Draft Final Completion Reports for 20s and 30s Complexes (October 13, 2004).*

- Submitted final draft EREs for 20s and 30s Complexes to EPA and MDEP (October 7, 2004).*

- Submitted documents associated with EREs for 20s and 30s Complexes, including Plans of Restricted Areas, subordination agreements, and title commitments, to EPA and MDEP (October 14, 2004).*

- Submitted Notice of Intent to Transfer Property to PEDA (October 28, 2004).*

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

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

- Complete pre-demolition activities (including asbestos abatement) at Buildings 42, 43/43-A, and 44.
- Initiate contractor selection process for demolition of Buildings 42, 43/43A, and 44.
- Submit final Soil Data Compilation Report for 30s Complex (on or before November 3, 2004).*
- Submit final EREs for 20s and 30s Complexes following receipt of final Agency comments.*
- Submit Final Completion Reports for 20s and 30s Complexes after EREs are approved by EPA, accepted by MDEP, and recorded, and after final pre-certification inspection is held.*
- Complete transfer of 20s and 30s Complexes to PEDA following receipt of all necessary Agency approvals.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

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

f. Proposed/Approved Work Plan Modifications

None

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

a. Activities Undertaken/Completed

- Continued pre-demolition activities at the 60s Complex.
- Initiated demolition activities at the 60s Complex.
- Performed ambient air monitoring for PCBs and particulate matter around the 60s Complex.
- Performed sludge sampling at Building 64T and other miscellaneous sampling, as identified in Table 2-1.
- Tankered and transported 4,000 gallons of water from Buildings 61, 61R, and 61S to Building 64G for treatment.
- Continued discussions regarding ERE and survey plan for City Recreational Area (CRA).*
- Continued preparation of survey plan to be part of ERE for CRA.*
- Completed development of Interim Letter Report on additional data needs at East Street Area 2-South.*

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

- Submitted Interim Letter Report on additional data needs at East Street Area 2-South (October 22, 2004).*
- Submitted Pre-Excavation Notification letter to install a new gas main in the area of standard grid R-14 (October 22, 2004); a copy of this letter is provided in Attachment E.

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

- Continue to conduct routine process sampling at Buildings 64G and/or 64T.
- Submit revised draft ERE for CRA to EPA and MDEP.*
- Complete pre-demolition activities at the 60s Complex.
- Continue demolition activities at the 60s Complex.

ITEM 2
(cont'd)
PLANT AREA
EAST STREET AREA 2-SOUTH
(GECD150)
OCTOBER 2004

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received second response from EPA (dated October 4, 2004) to GE's September 7, 2004 notification letter regarding equipment containing PCBs.

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Building 64T Sludge Sampling	J4-64T-01	10/3/04	Sludge	SGS	PCB	10/13/04
Building 66 Exterior Paint Siding Sampling	BLDG66-EXT.PAINT-C1	10/7/04	Paint Chips	SGS	TCLP-Metals	10/29/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	10/18/04	Air	Berkshire Environmental	Particulate Matter	10/26/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	10/18/04	Air	Berkshire Environmental	Particulate Matter	10/26/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	10/18/04	Air	Berkshire Environmental	Particulate Matter	10/26/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	10/18/04	Air	Berkshire Environmental	Particulate Matter	10/26/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	10/18/04	Air	Berkshire Environmental	Particulate Matter	10/26/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	10/20/04	Air	Berkshire Environmental	Particulate Matter	10/26/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	10/20/04	Air	Berkshire Environmental	Particulate Matter	10/26/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	10/20/04	Air	Berkshire Environmental	Particulate Matter	10/26/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	10/20/04	Air	Berkshire Environmental	Particulate Matter	10/26/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	10/20/04	Air	Berkshire Environmental	Particulate Matter	10/26/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	10/21/04	Air	Berkshire Environmental	Particulate Matter	10/26/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	10/21/04	Air	Berkshire Environmental	Particulate Matter	10/26/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	10/21/04	Air	Berkshire Environmental	Particulate Matter	10/26/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	10/21/04	Air	Berkshire Environmental	Particulate Matter	10/26/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	10/21/04	Air	Berkshire Environmental	Particulate Matter	10/26/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	10/25/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	10/25/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	10/25/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	10/25/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	10/25/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	10/26/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	10/26/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	10/26/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	10/26/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	10/26/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	10/27/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	10/27/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	10/27/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	10/27/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	10/27/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Northeast of 60s Complex	10/28/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Northwest of 60s Complex	10/28/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Southwest of 60s Complex	10/28/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Southeast of 60s Complex	10/28/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	10/28/04	Air	Berkshire Environmental	Particulate Matter	11/2/04
PCB Ambient Air Sampling	Northeast of 60s Complex	10/26 -10/27/04	Air	Berkshire Environmental	PCB	11/2/04
PCB Ambient Air Sampling	Northwest of 60s Complex	10/26 -10/27/04	Air	Berkshire Environmental	PCB	11/2/04
PCB Ambient Air Sampling	Northwest of 60s Complex co-located	10/26 -10/27/04	Air	Berkshire Environmental	PCB	11/2/04
PCB Ambient Air Sampling	Southwest of 60s Complex	10/26 -10/27/04	Air	Berkshire Environmental	PCB	11/2/04
PCB Ambient Air Sampling	Southeast of 60s Complex	10/26 -10/27/04	Air	Berkshire Environmental	PCB	11/2/04
PCB Ambient Air Sampling	Background Inside GE Gate 31	10/26 -10/27/04	Air	Berkshire Environmental	PCB	11/2/04

TABLE 2-2
PCB DATA RECEIVED DURING OCTOBER 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
J4-64T-01	10/3/2004	ND(8.3)	170	210	380

Notes:

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

TABLE 2-3
TCLP DATA RECEIVED DURING OCTOBER 2004

BUILDING 66 EXTERIOR PAINT SIDING 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	BLDG66-EXT.PAINT-C1 10/7/2004
Inorganics		
Arsenic	5	ND(0.100)
Barium	100	0.500
Cadmium	1	0.0120 B
Chromium	5	0.420
Lead	5	0.660
Mercury	0.2	ND(0.00200)
Selenium	1	0.0120 B
Silver	5	ND(0.0200)

Notes:

1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of TCLP metals.
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 2-4
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING OCTOBER 2004

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

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
10/18/04	Northeast of 60s Complex	0.016	0.007*	9:45	WNW
	Northwest of 60s Complex	0.008		9:45	
	Southwest of 60s Complex	0.006*		9:45	
	Southeast of 60s Complex	0.083		9:45	
10/19/04[1]	Northeast of 60s Complex	NA	NA	NA	NA
	Northwest of 60s Complex				
	Southwest of 60s Complex				
	Southeast of 60s Complex				
10/20/04	Northeast of 60s Complex	0.010	0.007*	11:00	E, ENE
	Northwest of 60s Complex	0.011		11:00	
	Southwest of 60s Complex	0.015*		11:00	
	Southeast of 60s Complex	0.037		11:00	
10/21/04	Northeast of 60s Complex	0.008	0.012*	10:45	E, ENE
	Northwest of 60s Complex	0.008		10:45	
	Southwest of 60s Complex	0.014*		10:45	
	Southeast of 60s Complex	0.039		10:45	
10/22/04[2]	Northeast of 60s Complex	NA	NA	NA	NA
	Northwest of 60s Complex				
	Southwest of 60s Complex				
	Southeast of 60s Complex				
10/25/04	Northeast of 60s Complex	0.018	0.007*	10:15	Calm
	Northwest of 60s Complex	0.029		10:15	
	Southwest of 60s Complex	0.010*		10:15	
	Southeast of 60s Complex	0.015		10:15	
10/26/04	Northeast of 60s Complex	0.046	0.020*	9:00[3]	Calm
	Northwest of 60s Complex	0.031		9:00[3]	
	Southwest of 60s Complex	0.027*		11:30	
	Southeast of 60s Complex	0.048		9:00[3]	
10/27/04	Northeast of 60s Complex	0.077	0.023*	11:15	N
	Northwest of 60s Complex	0.051		11:15	
	Southwest of 60s Complex	0.025*		11:15	
	Southeast of 60s Complex	0.054		11:15	
10/28/04	Northeast of 60s Complex	0.064	0.012*	10:45	Calm
	Northwest of 60s Complex	0.028		10:45	
	Southwest of 60s Complex	0.017*		10:45	
	Southeast of 60s Complex	0.037		10:45	
10/29/04[2]	Northeast of 60s Complex	NA	NA	NA	NA
	Northwest of 60s Complex				
	Southwest of 60s Complex				
	Southeast of 60s Complex				
Notification Level		0.120			

Notes:

NA - Not Available

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

Background monitoring location inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street.

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

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

[3] Morning data was discounted due to foggy conditions.

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

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

Date	Northeast of 60s Complex (µg/m^3)	Northwest of 60s Complex (µg/m^3)	Northwest of 60s Complex Co-located (µg/m^3)	Southwest of 60s Complex (µg/m^3)	Southeast of 60s Complex (µg/m^3)	Background Inside GE Gate 31 (µg/m^3)
10/26 - 10/27/04	0.0033	0.0055	0.0058	0.0009	0.0038	0.0009
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05

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

a. Activities Undertaken/Completed

- Continued topographic survey in support of future RD/RA activities.
- Tankered and transported 14,000 gallons of water from Building 9 and 1,000 gallons of water from Building 15/17 fire main repair to Building 64G for treatment.
- Conducted miscellaneous sampling, as identified in Table 3-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

- Continue topographic survey in support of future RD/RA activities.
- Perform supplemental utility characterization sampling.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA's conditional approval letter for GE's June 17, 2004 Pre-Design Investigation Report (October 19, 2004).

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Building 12 Drum Sampling	12-F1494-WATER-1	10/21/04	Water	SGS	PCB	10/27/04
Building 19 Liquid Chiller System Sampling	19-1-CS-1	9/20/04	Water	SGS	Glycol	10/14/04
Building 4 Sampling Program	4-1-C1	10/18/04	Wood	SGS	PCB	10/29/04
Building 4 Sampling Program	4-1-C2	10/18/04	Wood	SGS	PCB	10/29/04
Building 4 Sampling Program	4-1-C3	10/18/04	Wood	SGS	PCB	10/29/04
Building 4 Sampling Program	4-1-C4	10/18/04	Wood	SGS	PCB	10/29/04
Building 4 Sampling Program	4-1-C5	10/18/04	Wood	SGS	PCB	10/29/04
Building 4 Sampling Program	4-1-W1	10/18/04	Wood	SGS	PCB	10/29/04
Building 4 Sampling Program	4-1-W2	10/18/04	Brick	SGS	PCB	10/29/04
Building 4 Sampling Program	4-1-W3	10/18/04	Brick	SGS	PCB	10/29/04
Building 4 Sampling Program	4-1-W4	10/18/04	Brick	SGS	PCB	10/29/04
Building 4 Sampling Program	4-1-W5	10/18/04	Brick	SGS	PCB	10/29/04
Building 4 Sampling Program	4-1-W6	10/18/04	Concrete	SGS	PCB	10/29/04
Building 4 Sampling Program	4-1-WC-1	10/18/04	Wood/Brick	SGS	TCLP	10/29/04
Building 4 Sampling Program	DUPLICATE-1 (4-1-C2)	10/18/04	Wood	SGS	PCB	10/29/04
Building 5 Sampling Program	5-1-F-2	10/19/04	Wood	SGS	PCB	10/29/04
Building 5 Sampling Program	5-1-F-4	10/19/04	Wood	SGS	PCB	10/29/04
Building 5 Sampling Program	5-1-W-1	10/19/04	Brick	SGS	PCB	10/29/04
Building 5 Sampling Program	5-1-W-3	10/19/04	Brick	SGS	PCB	10/29/04
Building 5 Sampling Program	5-1-WC-1	10/19/04	Wood/Brick	SGS	TCLP	10/29/04
Building 6 Sampling Program	6-1-R-4	10/20/04	Wood	SGS	PCB	10/29/04
Building 6 Sampling Program	6-1-R-5	10/20/04	Wood	SGS	PCB	10/29/04
Building 6 Sampling Program	6-1-W-1	10/20/04	Concrete	SGS	PCB	10/29/04
Building 6 Sampling Program	6-1-W-2	10/20/04	Concrete	SGS	PCB	10/29/04
Building 6 Sampling Program	6-1-W-3	10/20/04	Brick	SGS	PCB	10/29/04
Building 6 Sampling Program	6-1-W-6	10/20/04	Brick	SGS	PCB	10/29/04
Building 6 Sampling Program	6-1-WC-1	10/20/04	Brick,Wood,Concrete	SGS	TCLP	10/29/04
Building 6 Sampling Program	DUP#2 (6-1-W-1)	10/20/04	Concrete	SGS	PCB	10/29/04

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

TABLE 3-2
DATA RECEIVED DURING OCTOBER 2004

BUILDING 19 LIQUID CHILLER SYSTEM SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter	Sample ID: / Date Collected:	19-1-CS-1 / 09/20/04
Conventionals		
Di-ethylene glycol		ND(5.0)
Ethylene Glycol		ND(5.0)
Propylene glycol		ND(5.0)
Tri-ethylene glycol		ND(5.0)

Notes:

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

TABLE 3-3
PCB DATA RECEIVED DURING OCTOBER 2004

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

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
12-F1494-WATER-1	10/21/2004	ND(0.000065)	0.00038	ND(0.000065)	0.00038

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

TABLE 3-4
PCB DATA RECEIVED DURING OCTOBER 2004

BUILDINGS 4, 5 AND 6 SAMPLING PROGRAM
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Date Collected	Matrix	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
4-1-C1	10/18/2004	Wood	ND(0.20)	0.11 J	0.097 J	0.207 J
4-1-C2	10/18/2004	Wood	ND(0.20) [ND(0.20)]	0.59 [0.29]	0.30 [0.22]	0.89 [0.51]
4-1-C3	10/18/2004	Wood	ND(0.20)	0.68	0.26	0.94
4-1-C4	10/18/2004	Wood	ND(0.20)	0.68	0.49	1.17
4-1-C5	10/18/2004	Wood	ND(0.20)	0.86	0.73	1.59
4-1-W1	10/18/2004	Wood	ND(0.20)	1.7	2.4	4.1
4-1-W2	10/18/2004	Brick	ND(0.050)	1.5	1.2	2.7
4-1-W3	10/18/2004	Brick	ND(0.050)	1.0	0.68	1.68
4-1-W4	10/18/2004	Brick	ND(0.050)	0.19	0.11	0.30
4-1-W5	10/18/2004	Brick	ND(0.050)	2.0	1.2	3.2
4-1-W6	10/18/2004	Concrete	ND(0.050)	0.39	0.097	0.487
5-1-F-2	10/19/2004	Wood	ND(1.0)	7.0	7.3	14.3
5-1-F-4	10/19/2004	Wood	ND(0.20)	0.62	2.0	2.62
5-1-W-1	10/19/2004	Brick	ND(0.050)	0.029 J	0.037 J	0.066 J
5-1-W-3	10/19/2004	Brick	ND(0.050)	0.61	0.49	1.1
6-1-R-4	10/20/2004	Wood	ND(1.0)	6.9	9.1	16
6-1-R-5	10/20/2004	Wood	ND(0.20)	1.5	1.7	3.2
6-1-W-1	10/20/2004	Concrete	ND(0.033) [ND(0.033)]	0.37 [0.77]	0.16 [0.36]	0.53 [1.13]
6-1-W-2	10/20/2004	Concrete	ND(0.033)	0.20	0.32	0.52
6-1-W-3	10/20/2004	Brick	ND(0.033)	0.31	0.39	0.70
6-1-W-6	10/20/2004	Brick	ND(0.033)	0.47	0.33	0.80

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

Data Qualifiers:

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

TABLE 3-5
TCLP DATA RECEIVED DURING OCTOBER 2004

BUILDINGS 4, 5 AND 6 SAMPLING PROGRAM
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	4-1-WC-1 10/18/2004	5-1-WC-1 10/19/2004	6-1-WC-1 10/20/2004
Volatile Organics				
1,1-Dichloroethene	0.7	ND(0.10)	ND(0.10)	ND(0.10)
1,2-Dichloroethane	0.5	ND(0.10)	ND(0.10)	ND(0.10)
2-Butanone	200	ND(0.20)	ND(0.20)	ND(0.20)
Benzene	0.5	ND(0.10)	ND(0.10)	ND(0.10)
Carbon Tetrachloride	0.5	ND(0.10)	ND(0.10)	ND(0.10)
Chlorobenzene	100	ND(0.10)	ND(0.10)	ND(0.10)
Chloroform	6	ND(0.10)	ND(0.10)	ND(0.10)
Tetrachloroethene	0.7	ND(0.10)	ND(0.10)	ND(0.10)
Trichloroethene	0.5	ND(0.10)	ND(0.10)	ND(0.10)
Vinyl Chloride	0.2	ND(0.10)	ND(0.10)	ND(0.10)
Semivolatile Organics				
1,4-Dichlorobenzene	7.5	ND(0.050)	ND(0.050)	ND(0.050)
2,4,5-Trichlorophenol	400	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	2	ND(0.050)	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene	0.13	ND(0.050)	ND(0.050)	ND(0.050)
Cresol	200	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobenzene	0.13	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobutadiene	0.5	ND(0.050)	ND(0.050)	ND(0.050)
Hexachloroethane	3	ND(0.050)	ND(0.050)	ND(0.050)
Nitrobenzene	2	ND(0.050)	ND(0.050)	ND(0.050)
Pentachlorophenol	100	ND(0.050)	ND(0.050)	ND(0.050)
Pyridine	5	ND(0.050)	ND(0.050)	ND(0.050)
Inorganics				
Arsenic	5	ND(0.100)	ND(0.100)	0.00580 B
Barium	100	0.200	0.290	0.200
Cadmium	1	ND(0.0200)	0.0110 B	0.000930 B
Chromium	5	0.310	0.0190 B	0.0380 B
Lead	5	0.0190 B	0.170	0.440
Mercury	0.2	ND(0.00200)	0.000150 B	ND(0.00200)
Selenium	1	ND(0.200)	ND(0.200)	ND(0.200)
Silver	5	ND(0.0200)	ND(0.0200)	ND(0.0200)

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS 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 4
PLANT AREA
EAST STREET AREA 1-NORTH
(GECD130)
OCTOBER 2004

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

a. Activities Undertaken/Completed

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

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Submit revised draft ERE for GE properties to EPA and MDEP.
- Submit notice to holders of encumbrances on Parcel K11-1-15 that a Conditional Solution was implemented at the portion of that property within East Street Area 1-North.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 5
PLANT AREA
HILL 78 & BUILDING 71 CONSOLIDATION AREAS
(GECD210/220)
OCTOBER 2004

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

a. Activities Undertaken/Completed

- Transferred soil and sediment from 1½ Mile Reach of the Housatonic River and demolition debris from demolition and pre-demolition activities conducted at 60s Complex to the On-Plant Consolidation Areas (OPCAs).

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

- Continued transfer of leachate from Building 71 OPCA to Building 64G for treatment. The total amount transferred in October 2004 was 177,000 gallons (see Table 5-4).

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

Continue transfer of building demolition debris from ongoing demolition projects and excavated material from 1½ Mile Reach removal activities to the OPCAs.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 5-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING OCTOBER 2004

HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	North of OPCAs	10/1/04	Air	Berkshire Environmental	Particulate Matter	10/5/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	10/1/04	Air	Berkshire Environmental	Particulate Matter	10/5/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	10/1/04	Air	Berkshire Environmental	Particulate Matter	10/5/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	10/1/04	Air	Berkshire Environmental	Particulate Matter	10/5/04
Ambient Air Particulate Matter Sampling	West of OPCAs	10/1/04	Air	Berkshire Environmental	Particulate Matter	10/5/04
Ambient Air Particulate Matter Sampling	Background Location	10/1/04	Air	Berkshire Environmental	Particulate Matter	10/5/04
Ambient Air Particulate Matter Sampling	North of OPCAs	10/11/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	10/11/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	10/11/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	10/11/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	West of OPCAs	10/11/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	Background Location	10/11/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	North of OPCAs	10/12/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	10/12/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	10/12/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	10/12/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	West of OPCAs	10/12/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	Background Location	10/12/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	North of OPCAs	10/13/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	10/13/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	10/13/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	10/13/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	West of OPCAs	10/13/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	Background Location	10/13/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	North of OPCAs	10/14/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	10/14/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	10/14/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	10/14/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	West of OPCAs	10/14/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
Ambient Air Particulate Matter Sampling	Background Location	10/14/04	Air	Berkshire Environmental	Particulate Matter	10/20/04
PCB Ambient Air Sampling	Southwest of OPCAs	10/11 -10/12/04	Air	Berkshire Environmental	PCB	10/26/04
PCB Ambient Air Sampling	Southwest of OPCAs co-located	10/11 -10/12/04	Air	Berkshire Environmental	PCB	10/26/04
PCB Ambient Air Sampling	West of OPCAs	10/11 -10/12/04	Air	Berkshire Environmental	PCB	10/26/04
PCB Ambient Air Sampling	North of OPCAs	10/11 -10/12/04	Air	Berkshire Environmental	PCB	10/26/04
PCB Ambient Air Sampling	Southeast of OPCAs	10/11 -10/12/04	Air	Berkshire Environmental	PCB	10/26/04
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	10/11 -10/12/04	Air	Berkshire Environmental	PCB	10/26/04
PCB Ambient Air Sampling	Background Inside GE Gate 31	10/11 -10/12/04	Air	Berkshire Environmental	PCB	10/26/04

TABLE 5-2
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING OCTOBER 2004

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

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
10/01/04	North of OPCAs	0.013	0.010*	10:15	Calm
	Pittsfield Generating Co.	0.013*		10:00	
	Southeast of OPCAs	0.007		10:15	
	Southwest of OPCAs	0.005*		10:15	
	West of OPCAs	0.006		9:45	
10/04/04-10/08/04[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
10/11/04	North of OPCAs	0.003	0.013*	10:15	N, NNW
	Pittsfield Generating Co.	0.005*		10:00	
	Southeast of OPCAs	0.010		10:15	
	Southwest of OPCAs	0.009*		10:15	
	West of OPCAs	0.000		10:15	
10/12/04	North of OPCAs	0.004	0.007*	10:30	NW
	Pittsfield Generating Co.	0.006*		10:30	
	Southeast of OPCAs	0.050		10:30	
	Southwest of OPCAs	0.007*		10:30	
	West of OPCAs	0.007		10:30	
10/13/04	North of OPCAs	0.005	0.016*	10:00	Calm
	Pittsfield Generating Co.	0.008*		10:00	
	Southeast of OPCAs	0.048		9:30[2]	
	Southwest of OPCAs	0.014*		10:00	
	West of OPCAs	0.008		10:00	
10/14/04	North of OPCAs	0.009	0.014*	10:15	Calm
	Pittsfield Generating Co.	0.009*		10:15	
	Southeast of OPCAs	0.049		10:15	
	Southwest of OPCAs	0.015*		10:15	
	West of OPCAs	0.010		10:15	
10/15/04[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
10/18/04-10/22/04[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
10/25/04-10/29/04[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
Notification Level		0.120			

Notes:
NA - Not Available
* Measured with DR-2000. All others measured with pDR-1000.
Background monitoring location inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street.
[1] Sampling was not performed due to lack of site activity.
[2] Sampling period was shortened due to instrument malfunction (dead battery).

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

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

Date	Southwest of OPCAs (µg/m^3)	Southwest of OPCAs Co-located (µg/m^3)	West of OPCAs (µg/m^3)	North of OPCAs (µg/m^3)	Southeast of OPCAs (µg/m^3)	Pittsfield Generating (PGE) (µg/m^3)	Background Inside GE Gate 31 (µg/m^3)
10/11 - 10/12/04	0.0010	0.0011	0.0004	0.0004	0.0011	0.0007	0.0004
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05	0.05

TABLE 5-4
BUILDING 71 CONSOLIDATION AREA LEACHATE TRANSFER SUMMARY
PLANT AREA - HILL 78 & BUILDING 71 CONSOLIDATION AREAS

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

Month / Year	Total Volume of Leachate Transferred (Gallons)
October 2003	84,000
November 2003	86,500
December 2003	102,500
January 2004	35,000
February 2004	30,000
March 2004	98,000
April 2004	107,000
May 2004	164,500
June 2004	147,500
July 2004	171,000
August 2004	214,000
September 2004	230,000
October 2004	177,000

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)
OCTOBER 2004

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

a. Activities Undertaken/Completed

Initiated pre-design investigation soil sampling activities (see Table 6-1).

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Continue pre-design investigation soil sampling.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

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

HILL 78 AREA-REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

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

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

HILL 78 AREA-REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

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

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

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

a. Activities Undertaken/Completed

- Continued pre-design investigation soil sampling.*

- Conducted other miscellaneous sampling, as identified in Table 7-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

- Submitted *Final Notification of On-Plant Excavations* letter report for excavations conducted near Buildings 51A, 59, 118, and OP-2 (October 12, 2004); a copy of this letter report is provided in Attachment D.

- Submitted Pre-Excavation Notification letter report to remove a firewater tank in the area of standard grid J-50 (October 12, 2004); a copy of this letter report is provided in Attachment F.

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

- Continue pre-design investigation soil sampling.*

- Initiate additional sampling proposed in the Interim Pre-Design Investigation Report (dated February 18, 2004), as approved by EPA in September 2004.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Additional sampling proposed in the Interim Pre-Design Investigation Report within the wetland area has been delayed due to the presence of standing water.

f. Proposed/Approved Work Plan Modifications

None

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

UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Beaver Dam Debris Roll-Off Sampling	ROLLOFF#3018-BD-1	10/4/04	NA	Solid	SGS	PCB	10/8/04
Beaver Dam Debris Roll-Off Sampling	ROLLOFF#3018-BD-2	10/4/04	NA	Solid	SGS	PCB	10/8/04
Beaver Dam Debris Roll-Off Sampling	ROLLOFF#3018-BD-3	10/4/04	NA	Solid	SGS	PCB	10/8/04
Pre-Design Soil Investigation Sampling	RAA10-DUP-100 (RAA10-E-VV20)	9/21/04	6-15	Soil	SGS	PCB	10/11/04
Pre-Design Soil Investigation Sampling	RAA10-DUP-101 (RAA10-E-LL12)	9/23/04	6-15	Soil	SGS	PCB	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-DUP-102 (RAA10-E-X12)	9/30/04	6-15	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-DUP-104 (RAA10-E-ZZ22)	10/5/04	1-3	Soil	SGS	Pest, Herb	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-DUP-105 (RAA10-E-X8)	10/5/04	1-3	Soil	SGS	PCB	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-DUP-106 (RAA10-E-W10)	10/11/04	0-1	Soil	SGS	PCB	10/26/04
Pre-Design Soil Investigation Sampling	RAA10-DUP-106 (RAA10-E-T13)	10/7/04	0-1	Soil	SGS	PCB, SVOC, Inorganics	10/20/04
Pre-Design Soil Investigation Sampling	RAA10-DUP-107 (RAA10-E-Z13)	10/12/04	0-1	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-DUP-107 (RAA10-E-T13)	10/7/04	0-1	Soil	SGS	VOC	10/20/04
Pre-Design Soil Investigation Sampling	RAA10-DUP-108 (RAA10-E-Z6)	10/13/04	0-1	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-DUP-109 (RAA10-E-DD5)	10/19/04	0-1	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-DUP-110 (RAA10-E-DD5)	10/19/04	0-1	Soil	SGS	VOC	
Pre-Design Soil Investigation Sampling	RAA10-E-AA11	10/13/04	0-1	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-AA12	10/15/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-AA6	10/13/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-BB10	10/14/04	3-6	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-BB10	10/14/04	6-15	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-BB10	10/14/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-BB10	10/14/04	1-3	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-BB10	10/14/04	4-6	Soil	SGS	VOC	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-BB10	10/14/04	6-8	Soil	SGS	VOC	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-BB12	10/14/04	0-1	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-BB12	10/14/04	1-3	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-BB12	10/14/04	3-4	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-BB6	10/14/04	0-1	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-BB6	10/14/04	1-3	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-BB6	10/14/04	3-6	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-BB6	10/14/04	6-15	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-BB7	10/15/04	0-1	Soil	SGS	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-BB9	10/15/04	0-1	Soil	SGS	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-CC10	10/19/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-CC4	10/19/04	0-1	Soil	SGS	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-CC5	10/19/04	0-1	Soil	SGS	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-CC6	10/19/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-CC7	10/19/04	0-1	Soil	SGS	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-CC8	10/19/04	0-1	Soil	SGS	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-DD5	10/19/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-DD7	10/19/04	0-1	Soil	SGS	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-EE6	10/19/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-E-EE7	10/19/04	0-1	Soil	SGS	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-EE8	10/19/04	0-1	Soil	SGS	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-LL12	9/23/04	0-1	Soil	SGS	PCB	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-LL12	9/23/04	3-6	Soil	SGS	PCB	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-LL12	9/23/04	6-15	Soil	SGS	PCB	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-LL12	9/23/04	1-3	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF, Pest, Herb	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-NN12	9/23/04	0-1	Soil	SGS	PCB	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-NN12	9/23/04	6-15	Soil	SGS	PCB	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-NN12	9/23/04	3-6	Soil	SGS	PCB, SVOC, Inorganics	10/6/04

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

UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation Sampling	RAA10-E-NN12	9/23/04	1-3	Soil	SGS	PCB, VOC, SVOC, Inorganics	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-NN12	9/23/04	3-4	Soil	SGS	VOC	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-P13	10/6/04	0-1	Soil	SGS	PCB	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-PP16	9/23/04	1-3	Soil	SGS	PCB	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-PP16	9/23/04	3-6	Soil	SGS	PCB	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-PP16	9/23/04	6-15	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF, Pest, Herb	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-PP16	9/23/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-PP16	9/23/04	6-8	Soil	SGS	VOC	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-Q13	10/6/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-R12	10/6/04	0-1	Soil	SGS	PCB	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-R12	10/6/04	1-3	Soil	SGS	PCB	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-R12	10/6/04	3-6	Soil	SGS	PCB	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-R12	10/6/04	6-15	Soil	SGS	PCB	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-R13	10/6/04	0-1	Soil	SGS	PCB	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-R13	10/6/04	3-6	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-R13	10/6/04	1-3	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-R13	10/6/04	4-6	Soil	SGS	VOC	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-RR16	9/23/04	6-15	Soil	SGS	PCB	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-RR16	9/23/04	3-6	Soil	SGS	PCB, SVOC, Inorganics	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-RR16	9/23/04	1-3	Soil	SGS	PCB, VOC, SVOC, Inorganics	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-RR16	9/23/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF, Pest, Herb	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-RR16	9/23/04	4-6	Soil	SGS	VOC	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-S11	10/7/04	0-1	Soil	SGS	PCB	10/20/04
Pre-Design Soil Investigation Sampling	RAA10-E-S12	10/7/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/20/04
Pre-Design Soil Investigation Sampling	RAA10-E-T10	10/6/04	0-1	Soil	SGS	PCB	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-T10	10/6/04	1-3	Soil	SGS	PCB	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-T10	10/6/04	3-6	Soil	SGS	PCB	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-T10	10/6/04	6-15	Soil	SGS	PCB	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-T11	10/7/04	0-1	Soil	SGS	PCB	10/20/04
Pre-Design Soil Investigation Sampling	RAA10-E-T12	10/6/04	0-1	Soil	SGS	PCB	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-T12	10/6/04	3-6	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-T12	10/6/04	6-15	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-T12	10/6/04	1-3	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-T12	10/6/04	4-6	Soil	SGS	VOC	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-T12	10/6/04	8-10	Soil	SGS	VOC	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-T13	10/7/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/20/04
Pre-Design Soil Investigation Sampling	RAA10-E-TT15	9/23/04	0-1	Soil	SGS	PCB	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-TT17	9/23/04	0-1	Soil	SGS	PCB	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-TT19	9/23/04	0-1	Soil	SGS	PCB	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-U10	10/11/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/26/04
Pre-Design Soil Investigation Sampling	RAA10-E-U11	10/7/04	0-1	Soil	SGS	PCB	10/20/04
Pre-Design Soil Investigation Sampling	RAA10-E-U12	10/7/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/20/04
Pre-Design Soil Investigation Sampling	RAA10-E-U13	10/11/04	0-1	Soil	SGS	PCB	10/26/04
Pre-Design Soil Investigation Sampling	RAA10-E-UU16	9/23/04	0-1	Soil	SGS	PCB	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-UU17	9/23/04	0-1	Soil	SGS	PCB	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-UU18	9/23/04	0-1	Soil	SGS	PCB	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-UU19	9/23/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF, Pest, Herb	10/6/04
Pre-Design Soil Investigation Sampling	RAA10-E-V10	10/5/04	0-1	Soil	SGS	PCB	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-E-V10	10/5/04	1-3	Soil	SGS	PCB	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-E-V10	10/5/04	3-6	Soil	SGS	PCB	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-E-V10	10/5/04	6-15	Soil	SGS	PCB	10/21/04

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

UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation Sampling	RAA10-E-V11	10/11/04	0-1	Soil	SGS	PCB	10/26/04
Pre-Design Soil Investigation Sampling	RAA10-E-V12	10/5/04	0-1	Soil	SGS	PCB	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-E-V12	10/5/04	1-3	Soil	SGS	PCB	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-E-V12	10/5/04	3-6	Soil	SGS	PCB	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-E-V12	10/5/04	6-15	Soil	SGS	PCB	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-E-V13	10/11/04	0-1	Soil	SGS	PCB	10/26/04
Pre-Design Soil Investigation Sampling	RAA10-E-V9	10/11/04	0-1	Soil	SGS	PCB	10/26/04
Pre-Design Soil Investigation Sampling	RAA10-E-VV18	9/21/04	0-1	Soil	SGS	PCB	10/11/04
Pre-Design Soil Investigation Sampling	RAA10-E-VV18	9/21/04	1-3	Soil	SGS	PCB	10/11/04
Pre-Design Soil Investigation Sampling	RAA10-E-VV18	9/21/04	3-6	Soil	SGS	PCB	10/11/04
Pre-Design Soil Investigation Sampling	RAA10-E-VV18	9/21/04	6-8	Soil	SGS	PCB	10/11/04
Pre-Design Soil Investigation Sampling	RAA10-E-VV20	9/21/04	0-1	Soil	SGS	PCB	10/11/04
Pre-Design Soil Investigation Sampling	RAA10-E-VV20	9/21/04	1-3	Soil	SGS	PCB	10/11/04
Pre-Design Soil Investigation Sampling	RAA10-E-VV20	9/21/04	6-15	Soil	SGS	PCB	10/11/04
Pre-Design Soil Investigation Sampling	RAA10-E-VV20	9/21/04	3-6	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF, Pest, Herb	10/11/04
Pre-Design Soil Investigation Sampling	RAA10-E-VV20	9/21/04	4-6	Soil	SGS	VOC	10/11/04
Pre-Design Soil Investigation Sampling	RAA10-E-W10	10/11/04	0-1	Soil	SGS	PCB	10/26/04
Pre-Design Soil Investigation Sampling	RAA10-E-W11	10/11/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/26/04
Pre-Design Soil Investigation Sampling	RAA10-E-W12	10/11/04	0-1	Soil	SGS	PCB	10/26/04
Pre-Design Soil Investigation Sampling	RAA10-E-W13	10/11/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/26/04
Pre-Design Soil Investigation Sampling	RAA10-E-W9	10/11/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/26/04
Pre-Design Soil Investigation Sampling	RAA10-E-X10	9/30/04	1-3	Soil	SGS	PCB	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-X10	9/30/04	3-6	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-X10	9/30/04	6-15	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-X10	9/30/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-X10	9/30/04	10-12	Soil	SGS	VOC	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-X10	9/30/04	4-6	Soil	SGS	VOC	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-X11	10/11/04	0-1	Soil	SGS	PCB	10/26/04
Pre-Design Soil Investigation Sampling	RAA10-E-X12	9/30/04	3-6	Soil	SGS	PCB	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-X12	9/30/04	6-15	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-X12	9/30/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-X12	9/30/04	1-3	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-X12	9/30/04	8-10	Soil	SGS	VOC	10/19/04
Pre-Design Soil Investigation Sampling	RAA10-E-X13	10/11/04	0-1	Soil	SGS	PCB	10/26/04
Pre-Design Soil Investigation Sampling	RAA10-E-X8	10/5/04	0-1	Soil	SGS	PCB	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-E-X8	10/5/04	1-3	Soil	SGS	PCB	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-E-X8	10/5/04	3-6	Soil	SGS	PCB	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-E-X8	10/5/04	6-15	Soil	SGS	PCB	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-E-X9	10/11/04	0-1	Soil	SGS	PCB	10/26/04
Pre-Design Soil Investigation Sampling	RAA10-E-XX20	9/22/04	1-3	Soil	SGS	PCB	10/7/04
Pre-Design Soil Investigation Sampling	RAA10-E-XX20	9/22/04	3-6	Soil	SGS	PCB	10/7/04
Pre-Design Soil Investigation Sampling	RAA10-E-XX20	9/22/04	6-12	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF, Pest, Herb	10/7/04
Pre-Design Soil Investigation Sampling	RAA10-E-XX20	9/22/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF, Pest, Herb	10/7/04
Pre-Design Soil Investigation Sampling	RAA10-E-XX20	9/22/04	10-12	Soil	SGS	VOC	10/7/04
Pre-Design Soil Investigation Sampling	RAA10-E-Y10	10/12/04	0-1	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Y11	10/12/04	0-1	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Y12	10/12/04	0-1	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Y13	10/12/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Y7	10/12/04	0-1	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Y8	10/12/04	0-1	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z10	10/4/04	1-3	Soil	SGS	PCB	10/15/04

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

UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation Sampling	RAA10-E-Z10	10/4/04	3-6	Soil	SGS	PCB	10/15/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z10	10/4/04	6-15	Soil	SGS	PCB	10/15/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z10	10/4/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/15/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z11	10/12/04	0-1	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z12	10/13/04	3-6	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z12	10/13/04	6-15	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z12	10/13/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z12	10/13/04	1-3	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z13	10/12/04	0-1	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z6	10/13/04	0-1	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z6	10/13/04	6-15	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z6	10/13/04	3-6	Soil	SGS	PCB, SVOC, Inorganics, PCDD/PCDF	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z6	10/13/04	1-3	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z6	10/13/04	3-5	Soil	SGS	VOC	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z7	10/13/04	0-1	Soil	SGS	PCB	10/28/04
Pre-Design Soil Investigation Sampling	RAA10-E-Z9	10/15/04	0-1	Soil	SGS	PCB	
Pre-Design Soil Investigation Sampling	RAA10-E-ZZ22	10/5/04	3-6	Soil	SGS	PCB	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-E-ZZ22	10/5/04	6-15	Soil	SGS	PCB, SVOC, Inorganics	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-E-ZZ22	10/5/04	0-1	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF, Pest, Herb	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-E-ZZ22	10/5/04	1-3	Soil	SGS	PCB, VOC, SVOC, Inorganics, PCDD/PCDF, Pest, Herb	10/21/04
Pre-Design Soil Investigation Sampling	RAA10-E-ZZ22	10/5/04	6-8	Soil	SGS	VOC	10/21/04
Soil Boring Drum Water Sampling	78-B1316-WATER-1	10/21/04	NA	Water	SGS	PCB, VOC, SVOC, Metals	10/29/04

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

TABLE 7-2
PCB DATA RECEIVED DURING OCTOBER 2004

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-E-AA6	0-1	10/13/2004	ND(1.8)	ND(1.8)	25	25
RAA10-E-AA11	0-1	10/13/2004	ND(3.6)	48	12	60
RAA10-E-BB6	0-1	10/14/2004	ND(0.036)	0.48	0.36	0.84
	1-3	10/14/2004	ND(0.73)	14	28	42
	3-6	10/14/2004	ND(0.039)	0.48	0.75	1.23
	6-15	10/14/2004	ND(0.041)	0.026 J	0.025 J	0.051 J
RAA10-E-BB10	0-1	10/14/2004	ND(1.8)	ND(1.8)	71	71
	1-3	10/14/2004	ND(37)	ND(37)	290	290
	3-6	10/14/2004	ND(0.038)	0.10	0.053	0.153
	6-15	10/14/2004	ND(0.047)	0.033 J	ND(0.047)	0.033 J
RAA10-E-BB12	0-1	10/14/2004	ND(0.035)	0.16	0.21	0.37
	1-3	10/14/2004	ND(3.6)	ND(3.6)	89	89
	3-4	10/14/2004	ND(3.6)	ND(3.6)	83	83
RAA10-E-LL12	0-1	9/23/2004	ND(0.75)	4.3	2.2	6.5
	1-3	9/23/2004	ND(0.038)	0.13	0.11	0.24
	3-6	9/23/2004	ND(0.042)	0.10	0.14	0.24
	6-15	9/23/2004	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]
RAA10-E-NN12	0-1	9/23/2004	ND(0.041)	0.37	1.6	1.97
	1-3	9/23/2004	ND(0.039)	0.049	0.11	0.159
	3-6	9/23/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	6-15	9/23/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-E-P13	0-1	10/6/2004	ND(0.037)	0.13	0.046	0.176
RAA10-E-PP16	0-1	9/23/2004	ND(0.038)	0.20	0.097	0.297
	1-3	9/23/2004	ND(0.038)	0.029 J	0.038	0.067
	3-6	9/23/2004	ND(0.037)	0.020 J	0.045	0.065
	6-15	9/23/2004	ND(0.038)	ND(0.038)	0.14	0.14
RAA10-E-Q13	0-1	10/6/2004	ND(0.038)	1.5	0.78	2.28
RAA10-E-R12	0-1	10/6/2004	ND(1.9)	52	8.5	60.5
	1-3	10/6/2004	ND(20)	230	ND(20)	230
	3-6	10/6/2004	ND(98)	1800	ND(98)	1800
	6-15	10/6/2004	ND(2.7)	21	ND(2.7)	21
RAA10-E-R13	0-1	10/6/2004	ND(0.41)	11	2.3	13.3
RAA10-E-RR16	0-1	9/23/2004	ND(0.039)	0.049	0.085	0.134
	1-3	9/23/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	3-6	9/23/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	9/23/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-E-S11	0-1	10/7/2004	ND(0.72)	16	ND(0.72)	16
RAA10-E-S12	0-1	10/7/2004	ND(0.77)	15	ND(0.77)	15
RAA10-E-T10	0-1	10/6/2004	ND(3.9)	140	ND(3.9)	140
	1-3	10/6/2004	ND(3.7)	150	35	185
	3-6	10/6/2004	ND(0.39)	3.8	ND(0.39)	3.8
	6-15	10/6/2004	ND(0.042)	0.23	0.025 J	0.255
RAA10-E-T11	0-1	10/7/2004	ND(20)	730	ND(20)	730
RAA10-E-T12	0-1	10/6/2004	ND(20)	250	ND(20)	250
	1-3	10/6/2004	ND(3.7)	130	31	161
	3-6	10/6/2004	ND(38)	500	ND(38)	500
	6-15	10/6/2004	ND(21)	310	32	342
RAA10-E-T13	0-1	10/7/2004	ND(4.8) [ND(28)]	54 [72]	16 [36]	70 [108]
RAA10-E-TT15	0-1	9/23/2004	ND(0.038)	0.068	0.051	0.119
RAA10-E-TT17	0-1	9/23/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-E-TT19	0-1	9/23/2004	ND(0.038)	0.80	0.80	1.6
RAA10-E-U10	0-1	10/11/2004	ND(3.8)	84	ND(3.8)	84
RAA10-E-U11	0-1	10/7/2004	ND(0.38)	7.5	1.8	9.3
RAA10-E-U12	0-1	10/7/2004	ND(0.18)	2.8	1.2	4.0
RAA10-E-U13	0-1	10/11/2004	ND(0.52)	6.6	6.0	12.6
RAA10-E-UU16	0-1	9/23/2004	ND(0.037)	0.020 J	0.056	0.076
RAA10-E-UU17	0-1	9/23/2004	ND(0.037)	0.084	0.076	0.16

TABLE 7-2
PCB DATA RECEIVED DURING OCTOBER 2004

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-E-UU18	0-1	9/23/2004	ND(0.036)	0.40	0.34	0.74
RAA10-E-UU19	0-1	9/23/2004	ND(3.8)	37	6.7	43.7
RAA10-E-V9	0-1	10/11/2004	ND(0.18)	5.2	2.8	8.0
RAA10-E-V10	0-1	10/5/2004	ND(0.20)	3.0	2.3	5.3
	1-3	10/5/2004	ND(18)	920	160	1080
	3-6	10/5/2004	ND(3.7)	94	21	115
	6-15	10/5/2004	ND(0.055)	1.2	0.18	1.38
RAA10-E-V11	0-1	10/11/2004	ND(0.19)	6.1	1.4	7.5
RAA10-E-V12	0-1	10/5/2004	ND(0.40)	4.7	14	18.7
	1-3	10/5/2004	ND(0.78)	22	8.3	30.3
	3-6	10/5/2004	ND(200)	2100	ND(200)	2100
	6-15	10/5/2004	ND(220)	1600	ND(220)	1600
RAA10-E-V13	0-1	10/11/2004	ND(0.038)	1.3	1.2	2.5
RAA10-E-VV18	0-1	9/21/2004	ND(0.037)	1.6	0.83	2.43
	1-3	9/21/2004	ND(0.037)	0.085	0.13	0.215
	3-6	9/21/2004	ND(0.042)	0.68	1.6	2.28
	6-8	9/21/2004	ND(0.044)	0.54	1.4	1.94
RAA10-E-VV20	0-1	9/21/2004	ND(0.040)	1.2	0.51	1.71
	1-3	9/21/2004	ND(0.75)	15	2.1	17.1
	3-6	9/21/2004	ND(0.037)	0.42	0.40	0.82
	6-15	9/21/2004	ND(0.041) [ND(0.041)]	0.66 [0.63]	0.63 [0.54]	1.29 [1.17]
RAA10-E-W9	0-1	10/11/2004	ND(0.20)	1.4	2.9	4.3
RAA10-E-W10	0-1	10/11/2004	ND(0.034) [ND(0.034)]	0.19 [0.24]	0.053 [0.071]	0.243 [0.311]
RAA10-E-W11	0-1	10/11/2004	ND(0.035)	0.83	0.17	1.0
RAA10-E-W12	0-1	10/11/2004	ND(0.79)	4.0	10	14
RAA10-E-W13	0-1	10/11/2004	ND(0.036)	0.18	0.36	0.54
RAA10-E-X8	0-1	10/5/2004	ND(1.9)	18	47	65
	1-3	10/5/2004	ND(0.36) [ND(0.18)]	5.3 [2.6]	3.5 [1.9]	8.8 [4.5]
	3-6	10/5/2004	ND(0.038)	ND(0.038)	0.021 J	0.021 J
	6-15	10/5/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-E-X9	0-1	10/11/2004	ND(0.73)	4.0	ND(0.73)	4.0
RAA10-E-X10	0-1	9/30/2004	ND(3.7)	110	52	162
	1-3	9/30/2004	ND(1.9)	40	8.4	48.4
	3-6	9/30/2004	ND(0.037)	0.30	0.13	0.43
	6-15	9/30/2004	ND(0.23)	2.1	2.5	4.6
RAA10-E-X11	0-1	10/11/2004	ND(1.8)	28	6.0	34
RAA10-E-X12	0-1	9/30/2004	ND(1.8)	4.5	6.4	10.9
	1-3	9/30/2004	ND(1.9)	15	27	42
	3-6	9/30/2004	ND(0.78)	6.4	4.0	10.4
	6-15	9/30/2004	ND(0.045) [ND(0.24)]	1.2 [10]	0.48 [8.7]	1.68 [18.7]
RAA10-E-X13	0-1	10/11/2004	ND(3.7)	37	21	58
RAA10-E-XX20	0-1	9/22/2004	ND(0.038)	0.13	0.20	0.33
	1-3	9/22/2004	ND(0.038)	0.18	0.27	0.45
	3-6	9/22/2004	ND(0.038)	0.53	0.90	1.43
	6-12	9/22/2004	ND(0.038)	0.79	0.90	1.69
RAA10-E-Y7	0-1	10/12/2004	ND(0.036)	ND(0.036)	0.20	0.20
RAA10-E-Y8	0-1	10/12/2004	ND(0.37)	3.1	7.4	10.5
RAA10-E-Y10	0-1	10/12/2004	ND(0.037)	1.1	0.34	1.44
RAA10-E-Y11	0-1	10/12/2004	ND(1.8)	79	17	96
RAA10-E-Y12	0-1	10/12/2004	ND(0.35)	6.6	7.1	13.7
RAA10-E-Y13	0-1	10/12/2004	ND(0.74)	20	21	41
RAA10-E-Z6	0-1	10/13/2004	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	0.070 [0.096]	0.070 [0.096]
	1-3	10/13/2004	ND(0.036)	ND(0.036)	0.12	0.12
	3-6	10/13/2004	ND(0.39)	14	6.8	20.8
	6-15	10/13/2004	ND(0.040)	0.33	0.18	0.51
RAA10-E-Z7	0-1	10/13/2004	ND(0.18)	4.8	4.6	9.4

TABLE 7-2
PCB DATA RECEIVED DURING OCTOBER 2004

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-E-Z10	0-1	10/4/2004	ND(0.036)	0.016 J	ND(0.036)	0.016 J
	1-3	10/4/2004	ND(0.036)	1.3	1.2	2.5
	3-6	10/4/2004	ND(0.19)	1.5	5.8	7.3
	6-15	10/4/2004	ND(4.5)	120	48	168
RAA10-E-Z11	0-1	10/12/2004	ND(1.7)	46	17	63
RAA10-E-Z12	0-1	10/13/2004	ND(0.72)	5.8	11	16.8
	1-3	10/13/2004	ND(0.74)	6.5	11	17.5
	3-6	10/13/2004	ND(0.29)	4.6	4.2	8.8
	6-15	10/13/2004	ND(0.039)	0.56	0.17	0.73
RAA10-E-Z13	0-1	10/12/2004	ND(0.037) [ND(0.19)]	1.4 [3.1]	1.1 [2.0]	2.5 [5.1]
RAA10-E-ZZ22	0-1	10/5/2004	ND(0.037)	ND(0.037)	0.060	0.060
	1-3	10/5/2004	ND(0.037)	0.059	0.071	0.13
	3-6	10/5/2004	ND(0.037)	ND(0.037)	0.021 J	0.021 J
	6-15	10/5/2004	ND(0.039)	0.15	0.32	0.47

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

Data Qualifiers:

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

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-AA6 0-1 10/13/04	RAA10-E-BB10 0-1 10/14/04	RAA10-E-BB10 1-3 10/14/04	RAA10-E-BB10 3-6 10/14/04
Volatile Organics				
1,4-Dioxane	ND(0.11)	ND(0.11)	ND(0.11)	NA
Acetone	ND(0.021)	ND(0.022)	ND(0.022)	NA
Benzene	ND(0.0054)	ND(0.0054)	ND(0.0056)	NA
Chlorobenzene	ND(0.0054)	0.019	7.8	NA
Ethylbenzene	ND(0.0054)	ND(0.0054)	0.0029 J	NA
Trichloroethene	ND(0.0054)	ND(0.0054)	ND(0.0056)	NA
Xylenes (total)	ND(0.0054)	ND(0.0054)	0.0089	NA
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.36)	0.076 J	0.26 J	ND(0.38)
1,2-Dichlorobenzene	ND(0.36)	ND(0.36)	ND(0.37)	ND(0.38)
1,3-Dichlorobenzene	ND(0.36)	0.17 J	0.66	ND(0.38)
1,4-Dichlorobenzene	ND(0.36)	0.62	2.3	ND(0.38)
2-Methylnaphthalene	ND(0.36)	ND(0.36)	0.30 J	ND(0.38)
Acenaphthene	ND(0.36)	ND(0.36)	ND(0.37)	ND(0.38)
Acenaphthylene	0.11 J	ND(0.36)	ND(0.37)	ND(0.38)
Aniline	ND(0.36)	ND(0.36)	ND(0.37)	ND(0.38)
Anthracene	ND(0.36)	ND(0.36)	0.13 J	ND(0.38)
Benzo(a)anthracene	0.12 J	ND(0.36)	ND(0.37)	ND(0.38)
Benzo(a)pyrene	0.10 J	ND(0.36)	ND(0.37)	ND(0.38)
Benzo(b)fluoranthene	0.083 J	ND(0.36)	ND(0.37)	ND(0.38)
Benzo(g,h,i)perylene	ND(0.36)	ND(0.36)	0.083 J	ND(0.38)
Benzo(k)fluoranthene	0.10 J	ND(0.36)	ND(0.37)	ND(0.38)
bis(2-Ethylhexyl)phthalate	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.38)
Butylbenzylphthalate	ND(0.36)	ND(0.36)	ND(0.37)	ND(0.38)
Chrysene	0.14 J	ND(0.36)	ND(0.37)	ND(0.38)
Dibenzo(a,h)anthracene	ND(0.36)	ND(0.36)	ND(0.37)	ND(0.38)
Dibenzofuran	ND(0.36)	ND(0.36)	ND(0.37)	ND(0.38)
Fluoranthene	0.23 J	ND(0.36)	0.49	ND(0.38)
Fluorene	ND(0.36)	ND(0.36)	0.33 J	ND(0.38)
Indeno(1,2,3-cd)pyrene	ND(0.36)	ND(0.36)	0.068 J	ND(0.38)
Naphthalene	ND(0.36)	ND(0.36)	0.25 J	ND(0.38)
N-Nitroso-di-n-propylamine	ND(0.36)	ND(0.36)	ND(0.37)	ND(0.38)
Phenanthrene	ND(0.36)	0.13 J	0.82	ND(0.38)
Phenol	ND(0.36)	ND(0.36)	ND(0.37)	ND(0.38)
Pyrene	0.21 J	0.10 J	0.56	ND(0.38)
Organochlorine Pesticides				
None Detected	NA	NA	NA	NA
Organophosphate Pesticides				
None Detected	NA	NA	NA	NA
Herbicides				
None Detected	NA	NA	NA	NA
Furans				
2,3,7,8-TCDF	0.0000053 Y	0.000014 Y	0.00029 Y	0.000031 Y
TCDFs (total)	0.000076 Q	0.00021 I	0.0055 QI	0.00067 I
1,2,3,7,8-PeCDF	0.0000041 J	0.000020	0.00025 Q	0.000019
2,3,4,7,8-PeCDF	0.000025	0.000044	0.00050 Q	0.000058
PeCDFs (total)	0.00030 QI	0.00045 I	0.0075 QI	0.00084 QI
1,2,3,4,7,8-HxCDF	0.000021	0.000094	0.0020	0.00019
1,2,3,6,7,8-HxCDF	0.000013	0.000033	0.00071	0.000066
1,2,3,7,8,9-HxCDF	0.0000061	0.0000096	0.00021	0.000020
2,3,4,6,7,8-HxCDF	0.000049	0.000021	0.00041	0.000042
HxCDFs (total)	0.00060	0.00041	0.0080 I	0.00086
1,2,3,4,6,7,8-HpCDF	0.000083	0.000093	0.0021	0.00023
1,2,3,4,7,8,9-HpCDF	0.000015	0.000042	0.0010	0.00010

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-AA6 0-1 10/13/04	RAA10-E-BB10 0-1 10/14/04	RAA10-E-BB10 1-3 10/14/04	RAA10-E-BB10 3-6 10/14/04
HpCDFs (total)	0.00022	0.00021	0.0046	0.00049
OCDF	0.000063	0.00018	0.0040	0.00043
Dioxins				
2,3,7,8-TCDD	ND(0.00000033) X	ND(0.00000061)	0.0000031 Q	ND(0.00000047) X
TCDDs (total)	0.0000010 JQ	ND(0.00000061)	0.00013 Q	0.0000025
1,2,3,7,8-PeCDD	ND(0.0000021) X	ND(0.00000053)	0.0000079 Q	ND(0.00000066)
PeCDDs (total)	0.0000049 J	0.0000057	0.00016 Q	0.000016
1,2,3,4,7,8-HxCDD	0.0000024 J	ND(0.0000011) X	0.000016	0.0000016 J
1,2,3,6,7,8-HxCDD	0.0000026 J	0.0000029 J	0.000027	0.0000025 J
1,2,3,7,8,9-HxCDD	0.0000023 J	0.0000020 J	0.000021	0.0000020 J
HxCDDs (total)	0.000039	0.000032	0.00023	0.000036
1,2,3,4,6,7,8-HpCDD	0.000076	0.00013	0.00037	0.000034
HpCDDs (total)	0.00023	0.00032	0.00090	0.000078
OCDD	0.0024	0.0013	0.0069 E	0.00048
Total TEQs (WHO TEFs)	0.000026	0.000044	0.00068	0.000070
Inorganics				
Antimony	ND(6.00)	ND(6.00)	1.40 B	ND(6.00)
Arsenic	1.60	2.20	4.70	2.30
Barium	48.0	24.0	79.0	25.0
Beryllium	0.0720 B	0.130 B	0.180 B	0.150 B
Cadmium	ND(0.500)	0.0820 B	0.430 B	ND(0.500)
Chromium	2.20	3.70	10.0	4.60
Cobalt	4.30 B	3.90 B	4.80 B	4.40 B
Copper	10.0	16.0	91.0	18.0
Cyanide	0.0240 B	0.0390 B	0.170	0.0340 B
Lead	6.50	15.0	92.0	14.0
Mercury	0.0100 B	0.0310 B	0.220	0.0780 B
Nickel	4.70	6.10	12.0	8.30
Selenium	ND(1.00)	0.660 B	ND(1.00)	0.790 B
Silver	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	6.80	17.0	73.0	31.0
Thallium	ND(1.10)	ND(1.10)	ND(1.10)	ND(1.20)
Tin	4.00 B	3.80 B	9.00 B	3.60 B
Vanadium	2.30 B	3.50 B	7.40	4.30 B
Zinc	16.0	26.0	74.0	28.0

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-BB10 4-6 10/14/04	RAA10-E-BB10 6-8 10/14/04	RAA10-E-BB10 6-15 10/14/04	RAA10-E-LL12 1-3 09/23/04	RAA10-E-NN12 1-3 09/23/04
Volatile Organics					
1,4-Dioxane	ND(0.11)	ND(0.12)	NA	ND(0.11)	ND(0.12)
Acetone	ND(0.022)	ND(0.024)	NA	ND(0.023)	ND(0.024)
Benzene	ND(0.0056)	ND(0.0060)	NA	ND(0.0057)	ND(0.0059)
Chlorobenzene	0.0048 J	ND(0.0060)	NA	ND(0.0057)	ND(0.0059)
Ethylbenzene	ND(0.0056)	ND(0.0060)	NA	ND(0.0057)	ND(0.0059)
Trichloroethene	ND(0.0056)	ND(0.0060)	NA	ND(0.0057)	ND(0.0059)
Xylenes (total)	ND(0.0056)	ND(0.0060)	NA	ND(0.0057)	ND(0.0059)
Semivolatile Organics					
1,2,4-Trichlorobenzene	NA	NA	ND(0.47)	ND(0.38)	ND(0.39)
1,2-Dichlorobenzene	NA	NA	ND(0.47)	ND(0.38)	ND(0.39)
1,3-Dichlorobenzene	NA	NA	ND(0.47)	ND(0.38)	ND(0.39)
1,4-Dichlorobenzene	NA	NA	ND(0.47)	ND(0.38)	ND(0.39)
2-Methylnaphthalene	NA	NA	ND(0.47)	ND(0.38)	0.38 J
Acenaphthene	NA	NA	ND(0.47)	ND(0.38)	ND(0.39)
Acenaphthylene	NA	NA	ND(0.47)	0.098 J	0.93
Aniline	NA	NA	ND(0.47)	ND(0.38)	ND(0.39)
Anthracene	NA	NA	ND(0.47)	0.11 J	1.0
Benzo(a)anthracene	NA	NA	ND(0.47)	0.29 J	3.2
Benzo(a)pyrene	NA	NA	ND(0.47)	0.20 J	1.7
Benzo(b)fluoranthene	NA	NA	ND(0.47)	0.23 J	1.8
Benzo(g,h,i)perylene	NA	NA	ND(0.47)	0.14 J	0.87
Benzo(k)fluoranthene	NA	NA	ND(0.47)	0.23 J	2.3
bis(2-Ethylhexyl)phthalate	NA	NA	ND(0.46)	ND(0.37)	ND(0.39)
Butylbenzylphthalate	NA	NA	ND(0.47)	ND(0.38)	ND(0.39)
Chrysene	NA	NA	ND(0.47)	0.59	3.7
Dibenzo(a,h)anthracene	NA	NA	ND(0.47)	ND(0.38)	0.32 J
Dibenzofuran	NA	NA	ND(0.47)	ND(0.38)	0.21 J
Fluoranthene	NA	NA	ND(0.47)	0.59	7.0
Fluorene	NA	NA	ND(0.47)	ND(0.38)	ND(0.39)
Indeno(1,2,3-cd)pyrene	NA	NA	ND(0.47)	0.11 J	0.85
Naphthalene	NA	NA	ND(0.47)	0.088 J	0.45
N-Nitroso-di-n-propylamine	NA	NA	ND(0.47)	ND(0.38)	ND(0.39)
Phenanthrene	NA	NA	ND(0.47)	0.37 J	2.0
Phenol	NA	NA	ND(0.47)	ND(0.38)	ND(0.39)
Pyrene	NA	NA	ND(0.47)	0.48	6.6
Organochlorine Pesticides					
None Detected	NA	NA	NA	--	NA
Organophosphate Pesticides					
None Detected	NA	NA	NA	--	NA
Herbicides					
None Detected	NA	NA	NA	--	NA
Furans					
2,3,7,8-TCDF	NA	NA	ND(0.0000010)	0.0000014 Y	NA
TCDFs (total)	NA	NA	ND(0.0000010)	0.000013	NA
1,2,3,7,8-PeCDF	NA	NA	ND(0.00000085)	ND(0.00000078)	NA
2,3,4,7,8-PeCDF	NA	NA	ND(0.00000085)	ND(0.00000082)	NA
PeCDFs (total)	NA	NA	ND(0.00000085)	ND(0.0000016)	NA
1,2,3,4,7,8-HxCDF	NA	NA	ND(0.00000085)	ND(0.0000016)	NA
1,2,3,6,7,8-HxCDF	NA	NA	ND(0.00000085)	ND(0.00000063)	NA
1,2,3,7,8,9-HxCDF	NA	NA	ND(0.00000085)	ND(0.00000029)	NA
2,3,4,6,7,8-HxCDF	NA	NA	ND(0.00000085)	ND(0.00000055)	NA
HxCDFs (total)	NA	NA	ND(0.00000085)	ND(0.0000016)	NA
1,2,3,4,6,7,8-HpCDF	NA	NA	ND(0.00000085)	ND(0.0000021)	NA
1,2,3,4,7,8,9-HpCDF	NA	NA	ND(0.0000010)	ND(0.00000035)	NA

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

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

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-E-BB10 4-6 10/14/04	RAA10-E-BB10 6-8 10/14/04	RAA10-E-BB10 6-15 10/14/04	RAA10-E-LL12 1-3 09/23/04	RAA10-E-NN12 1-3 09/23/04
HpCDFs (total)		NA	NA	ND(0.00000090)	ND(0.0000021)	NA
OCDF		NA	NA	ND(0.0000017)	ND(0.0000022)	NA
Dioxins						
2,3,7,8-TCDD		NA	NA	ND(0.0000010)	ND(0.00000035)	NA
TCDDs (total)		NA	NA	ND(0.0000010)	ND(0.00000052)	NA
1,2,3,7,8-PeCDD		NA	NA	ND(0.00000085)	ND(0.00000056)	NA
PeCDDs (total)		NA	NA	ND(0.00000085)	ND(0.00000060)	NA
1,2,3,4,7,8-HxCDD		NA	NA	ND(0.0000011)	ND(0.00000038)	NA
1,2,3,6,7,8-HxCDD		NA	NA	ND(0.00000095)	ND(0.00000035)	NA
1,2,3,7,8,9-HxCDD		NA	NA	ND(0.0000010)	ND(0.00000035)	NA
HxCDDs (total)		NA	NA	ND(0.0000016)	ND(0.00000085)	NA
1,2,3,4,6,7,8-HpCDD		NA	NA	ND(0.0000011)	ND(0.0000012)	NA
HpCDDs (total)		NA	NA	ND(0.0000011)	ND(0.0000012)	NA
OCDD		NA	NA	0.0000053 J	0.000012 J	NA
Total TEQs (WHO TEFs)		NA	NA	0.0000015	0.0000010	NA
Inorganics						
Antimony		NA	NA	ND(6.00)	2.30 B	16.0
Arsenic		NA	NA	2.60	14.0	25.0
Barium		NA	NA	76.0	110	64.0
Beryllium		NA	NA	0.460 B	0.250 B	0.290 B
Cadmium		NA	NA	0.200 B	0.220 B	0.440 B
Chromium		NA	NA	10.0	6.50	11.0
Cobalt		NA	NA	5.80	2.60 B	3.50 B
Copper		NA	NA	12.0	42.0	93.0
Cyanide		NA	NA	0.150	0.440	0.500
Lead		NA	NA	9.30	120	290
Mercury		NA	NA	0.130 B	2.10	0.330
Nickel		NA	NA	10.0	5.00	5.70
Selenium		NA	NA	0.790 B	ND(1.00)	0.580 B
Silver		NA	NA	ND(1.00)	0.130 B	0.120 B
Sulfide		NA	NA	38.0	25.0	55.0
Thallium		NA	NA	ND(1.40)	ND(1.10)	ND(1.20)
Tin		NA	NA	3.20 B	5.80 B	33.0
Vanadium		NA	NA	9.70	12.0	11.0
Zinc		NA	NA	51.0	18.0	27.0

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-NN12 3-4 09/23/04	RAA10-E-NN12 3-6 09/23/04	RAA10-E-PP16 0-1 09/23/04	RAA10-E-PP16 6-8 09/23/04	RAA10-E-PP16 6-15 09/23/04
Volatile Organics					
1,4-Dioxane	ND(0.12)	NA	ND(0.11)	ND(0.11)	NA
Acetone	ND(0.023)	NA	ND(0.023)	ND(0.022)	NA
Benzene	ND(0.0059)	NA	ND(0.0057)	ND(0.0055)	NA
Chlorobenzene	ND(0.0059)	NA	ND(0.0057)	ND(0.0055)	NA
Ethylbenzene	ND(0.0059)	NA	ND(0.0057)	ND(0.0055)	NA
Trichloroethene	ND(0.0059)	NA	ND(0.0057)	0.10	NA
Xylenes (total)	ND(0.0059)	NA	ND(0.0057)	ND(0.0055)	NA
Semivolatile Organics					
1,2,4-Trichlorobenzene	NA	ND(0.41)	ND(0.38)	NA	ND(0.38)
1,2-Dichlorobenzene	NA	ND(0.41)	ND(0.38)	NA	ND(0.38)
1,3-Dichlorobenzene	NA	ND(0.41)	ND(0.38)	NA	ND(0.38)
1,4-Dichlorobenzene	NA	ND(0.41)	ND(0.38)	NA	ND(0.38)
2-Methylnaphthalene	NA	0.11 J	ND(0.38)	NA	ND(0.38)
Acenaphthene	NA	ND(0.41)	ND(0.38)	NA	ND(0.38)
Acenaphthylene	NA	ND(0.41)	ND(0.38)	NA	ND(0.38)
Aniline	NA	ND(0.41)	ND(0.38)	NA	ND(0.38)
Anthracene	NA	ND(0.41)	0.10 J	NA	ND(0.38)
Benzo(a)anthracene	NA	0.12 J	0.24 J	NA	ND(0.38)
Benzo(a)pyrene	NA	ND(0.41)	0.16 J	NA	ND(0.38)
Benzo(b)fluoranthene	NA	ND(0.41)	0.16 J	NA	ND(0.38)
Benzo(g,h,i)perylene	NA	ND(0.41)	0.10 J	NA	ND(0.38)
Benzo(k)fluoranthene	NA	ND(0.41)	0.20 J	NA	ND(0.38)
bis(2-Ethylhexyl)phthalate	NA	ND(0.41)	ND(0.38)	NA	ND(0.38)
Butylbenzylphthalate	NA	ND(0.41)	ND(0.38)	NA	ND(0.38)
Chrysene	NA	0.23 J	0.32 J	NA	ND(0.38)
Dibenzo(a,h)anthracene	NA	ND(0.41)	ND(0.38)	NA	ND(0.38)
Dibenzofuran	NA	ND(0.41)	ND(0.38)	NA	ND(0.38)
Fluoranthene	NA	0.33 J	0.51	NA	ND(0.38)
Fluorene	NA	ND(0.41)	ND(0.38)	NA	ND(0.38)
Indeno(1,2,3-cd)pyrene	NA	ND(0.41)	0.079 J	NA	ND(0.38)
Naphthalene	NA	0.11 J	0.092 J	NA	ND(0.38)
N-Nitroso-di-n-propylamine	NA	ND(0.41)	ND(0.38)	NA	ND(0.38)
Phenanthrene	NA	0.32 J	0.35 J	NA	ND(0.38)
Phenol	NA	ND(0.41)	ND(0.38)	NA	ND(0.38)
Pyrene	NA	0.23 J	0.45	NA	ND(0.38)
Organochlorine Pesticides					
None Detected	NA	NA	NA	NA	--
Organophosphate Pesticides					
None Detected	NA	NA	NA	NA	--
Herbicides					
None Detected	NA	NA	NA	NA	--
Furans					
2,3,7,8-TCDF	NA	NA	NA	NA	0.0000012 Y
TCDFs (total)	NA	NA	NA	NA	0.0000021
1,2,3,7,8-PeCDF	NA	NA	NA	NA	ND(0.00000090)
2,3,4,7,8-PeCDF	NA	NA	NA	NA	ND(0.00000086)
PeCDFs (total)	NA	NA	NA	NA	ND(0.0000013)
1,2,3,4,7,8-HxCDF	NA	NA	NA	NA	ND(0.00000099)
1,2,3,6,7,8-HxCDF	NA	NA	NA	NA	ND(0.00000055)
1,2,3,7,8,9-HxCDF	NA	NA	NA	NA	ND(0.00000069)
2,3,4,6,7,8-HxCDF	NA	NA	NA	NA	ND(0.00000061)
HxCDFs (total)	NA	NA	NA	NA	ND(0.0000012)
1,2,3,4,6,7,8-HpCDF	NA	NA	NA	NA	0.0000034 J
1,2,3,4,7,8,9-HpCDF	NA	NA	NA	NA	ND(0.00000068)

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

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

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-E-NN12 3-4 09/23/04	RAA10-E-NN12 3-6 09/23/04	RAA10-E-PP16 0-1 09/23/04	RAA10-E-PP16 6-8 09/23/04	RAA10-E-PP16 6-15 09/23/04
HpCDFs (total)		NA	NA	NA	NA	0.0000034
OCDF		NA	NA	NA	NA	ND(0.0000034)
Dioxins						
2,3,7,8-TCDD		NA	NA	NA	NA	ND(0.00000060)
TCDDs (total)		NA	NA	NA	NA	ND(0.00000060)
1,2,3,7,8-PeCDD		NA	NA	NA	NA	ND(0.0000012)
PeCDDs (total)		NA	NA	NA	NA	ND(0.0000012)
1,2,3,4,7,8-HxCDD		NA	NA	NA	NA	ND(0.00000077)
1,2,3,6,7,8-HxCDD		NA	NA	NA	NA	ND(0.00000069)
1,2,3,7,8,9-HxCDD		NA	NA	NA	NA	ND(0.00000070)
HxCDDs (total)		NA	NA	NA	NA	ND(0.00000077)
1,2,3,4,6,7,8-HpCDD		NA	NA	NA	NA	ND(0.0000013)
HpCDDs (total)		NA	NA	NA	NA	ND(0.0000013)
OCDD		NA	NA	NA	NA	0.0000067 J
Total TEQs (WHO TEFs)		NA	NA	NA	NA	0.0000016
Inorganics						
Antimony		NA	4.90 B	4.70 B	NA	1.00 B
Arsenic		NA	20.0	12.0	NA	1.60
Barium		NA	56.0	54.0	NA	6.80 B
Beryllium		NA	0.200 B	0.340 B	NA	0.120 B
Cadmium		NA	0.230 B	0.410 B	NA	0.140 B
Chromium		NA	9.30	12.0	NA	2.80
Cobalt		NA	3.90 B	7.00	NA	3.20 B
Copper		NA	61.0	65.0	NA	7.80
Cyanide		NA	0.130	0.100 B	NA	0.0440 B
Lead		NA	150	130	NA	11.0
Mercury		NA	0.370	0.360	NA	0.0340 B
Nickel		NA	6.00	13.0	NA	4.50
Selenium		NA	ND(1.00)	ND(1.00)	NA	ND(1.00)
Silver		NA	0.160 B	ND(1.00)	NA	ND(1.00)
Sulfide		NA	38.0	24.0	NA	ND(5.70)
Thallium		NA	ND(1.20)	ND(1.10)	NA	ND(1.10)
Tin		NA	36.0	12.0	NA	3.80 B
Vanadium		NA	15.0	14.0	NA	2.90 B
Zinc		NA	15.0	77.0	NA	17.0

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-Q13 0-1 10/06/04	RAA10-E-R13 1-3 10/06/04	RAA10-E-R13 3-6 10/06/04	RAA10-E-R13 4-6 10/06/04	RAA10-E-RR16 0-1 09/23/04
Volatile Organics					
1,4-Dioxane	ND(0.11)	ND(0.12)	NA	ND(0.16)	ND(0.12)
Acetone	0.0090 J	0.012 J	NA	0.032	ND(0.023)
Benzene	ND(0.0056)	ND(0.0058)	NA	0.0081	ND(0.0059)
Chlorobenzene	ND(0.0056)	ND(0.0058)	NA	0.031	ND(0.0059)
Ethylbenzene	ND(0.0056)	ND(0.0058)	NA	ND(0.0080)	ND(0.0059)
Trichloroethene	ND(0.0056)	ND(0.0058)	NA	ND(0.0080)	0.0036 J
Xylenes (total)	ND(0.0056)	ND(0.0058)	NA	ND(0.0080)	ND(0.0059)
Semivolatile Organics					
1,2,4-Trichlorobenzene	ND(0.38)	ND(0.39)	ND(1.2)	NA	ND(0.39)
1,2-Dichlorobenzene	ND(0.38)	0.21 J	0.41 J	NA	ND(0.39)
1,3-Dichlorobenzene	ND(0.38)	ND(0.39)	ND(1.2)	NA	ND(0.39)
1,4-Dichlorobenzene	ND(0.38)	0.56	1.4	NA	ND(0.39)
2-Methylnaphthalene	ND(0.38)	ND(0.39)	1.4	NA	ND(0.39)
Acenaphthene	ND(0.38)	0.22 J	0.79 J	NA	ND(0.39)
Acenaphthylene	0.67	0.99	0.85 J	NA	1.1
Aniline	ND(0.38)	0.14 J	1.3	NA	ND(0.39)
Anthracene	0.55	1.4	3.2	NA	1.1
Benzo(a)anthracene	1.0	2.0	5.7	NA	2.1
Benzo(a)pyrene	0.78	1.4	3.2	NA	1.1
Benzo(b)fluoranthene	0.56	0.97	2.7	NA	1.4
Benzo(g,h,i)perylene	0.52	0.86	2.2	NA	0.73
Benzo(k)fluoranthene	0.78	1.6	3.6	NA	1.6
bis(2-Ethylhexyl)phthalate	ND(0.37)	ND(0.38)	0.54 J	NA	ND(0.39)
Butylbenzylphthalate	ND(0.38)	ND(0.39)	0.37 J	NA	ND(0.39)
Chrysene	1.2	2.5	8.4	NA	3.2
Dibenzo(a,h)anthracene	ND(0.38)	0.25 J	0.80 J	NA	0.24 J
Dibenzofuran	ND(0.38)	0.21 J	0.92 J	NA	0.23 J
Fluoranthene	2.3	5.6	14	NA	7.0
Fluorene	0.094 J	ND(0.39)	0.98 J	NA	0.15 J
Indeno(1,2,3-cd)pyrene	0.40	0.76	1.9	NA	0.68
Naphthalene	0.16 J	0.18 J	0.39 J	NA	0.35 J
N-Nitroso-di-n-propylamine	ND(0.38)	ND(0.39)	ND(1.2)	NA	ND(0.39)
Phenanthrene	0.87	2.9	8.4	NA	2.3
Phenol	ND(0.38)	ND(0.39)	0.41 J	NA	ND(0.39)
Pyrene	2.1	5.1	11	NA	4.7
Organochlorine Pesticides					
None Detected	NA	NA	NA	NA	--
Organophosphate Pesticides					
None Detected	NA	NA	NA	NA	--
Herbicides					
None Detected	NA	NA	NA	NA	--
Furans					
2,3,7,8-TCDF	0.000019 Y	0.00012 Y	0.000066 Y	NA	0.000035 Y
TCDFs (total)	0.00020 Q	0.0011 QI	0.0011 QI	NA	0.00016
1,2,3,7,8-PeCDF	0.000014	0.000059	0.000027	NA	0.000010
2,3,4,7,8-PeCDF	0.000034	0.00011	0.00018	NA	0.000011
PeCDFs (total)	0.00033 Q	0.0011 Q	0.0019 QI	NA	0.000080
1,2,3,4,7,8-HxCDF	0.000048	0.00022	0.00013	NA	0.000011
1,2,3,6,7,8-HxCDF	0.000029	0.00013	0.000073	NA	0.0000077
1,2,3,7,8,9-HxCDF	0.0000069	0.000030	0.000032	NA	ND(0.00000045)
2,3,4,6,7,8-HxCDF	0.000023	0.000070	0.00012	NA	0.0000058
HxCDFs (total)	0.00035	0.0010	0.0017	NA	0.00012
1,2,3,4,6,7,8-HpCDF	0.000068	0.00022	0.00024	NA	0.000070
1,2,3,4,7,8,9-HpCDF	0.000015	0.000069	0.000060	NA	0.0000045 J

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

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

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-E-Q13 0-1 10/06/04	RAA10-E-R13 1-3 10/06/04	RAA10-E-R13 3-6 10/06/04	RAA10-E-R13 4-6 10/06/04	RAA10-E-RR16 0-1 09/23/04
HpCDFs (total)		0.00014	0.00042	0.00060	NA	0.00017
OCDF		0.000060	0.00021	0.00026	NA	0.00012
Dioxins						
2,3,7,8-TCDD		ND(0.00000060)	0.0000018 J	0.0000090	NA	0.0000018
TCDDs (total)		0.00000072 J	0.000033 Q	0.000050	NA	0.000023
1,2,3,7,8-PeCDD		ND(0.0000016) X	0.0000074	0.000018	NA	ND(0.0000021)
PeCDDs (total)		0.000013 Q	0.00010 Q	0.00019 Q	NA	0.000014
1,2,3,4,7,8-HxCDD		ND(0.0000018)	0.0000047 J	0.000014	NA	0.0000047 J
1,2,3,6,7,8-HxCDD		0.0000052 J	0.000011	0.000039	NA	0.0000077
1,2,3,7,8,9-HxCDD		0.0000033 J	0.0000079	0.000026	NA	0.0000058
HxCDDs (total)		0.000039	0.00015	0.00042	NA	0.000084
1,2,3,4,6,7,8-HpCDD		0.000056	0.000061	0.00025	NA	0.00019
HpCDDs (total)		0.00011	0.00014	0.00049	NA	0.00044
OCDD		0.00053	0.00034	0.0018	NA	0.0015
Total TEQs (WHO TEFs)		0.000034	0.00013	0.00017	NA	0.000019
Inorganics						
Antimony		ND(6.00)	1.40 B	4.80 B	NA	7.80
Arsenic		3.60	3.90	6.00	NA	26.0
Barium		23.0	26.0	41.0	NA	72.0
Beryllium		0.160 B	0.170 B	0.300 B	NA	0.460 B
Cadmium		0.200 B	0.290 B	0.920	NA	0.870
Chromium		7.80	16.0	64.0	NA	13.0
Cobalt		5.10	6.70	7.60	NA	7.40
Copper		19.0	31.0	86.0	NA	74.0
Cyanide		0.140	0.0630 B	0.290	NA	0.320
Lead		29.0	31.0	140	NA	200
Mercury		0.0320 B	0.0660 B	1.00	NA	0.390
Nickel		8.60	11.0	18.0	NA	13.0
Selenium		0.680 B	0.670 B	1.60	NA	ND(1.00)
Silver		ND(1.00)	0.770 B	14.0	NA	ND(1.00)
Sulfide		35.0	30.0	74.0	NA	43.0
Thallium		1.00 B	ND(1.20)	ND(1.50)	NA	ND(1.20)
Tin		4.30 B	7.00 B	24.0	NA	13.0
Vanadium		6.10	6.70	17.0	NA	14.0
Zinc		39.0	58.0	150	NA	80.0

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

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

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-E-RR16 1-3 09/23/04	RAA10-E-RR16 3-6 09/23/04	RAA10-E-RR16 4-6 09/23/04	RAA10-E-S12 0-1 10/07/04	RAA10-E-T12 1-3 10/06/04
Volatile Organics						
1,4-Dioxane		ND(0.12)	NA	ND(0.11)	ND(0.12)	ND(0.11)
Acetone		ND(0.024)	NA	ND(0.021)	0.022 J	0.011 J
Benzene		ND(0.0059)	NA	ND(0.0053)	ND(0.0058)	ND(0.0056)
Chlorobenzene		ND(0.0059)	NA	ND(0.0053)	ND(0.0058)	ND(0.0056)
Ethylbenzene		ND(0.0059)	NA	ND(0.0053)	ND(0.0058)	ND(0.0056)
Trichloroethene		0.0049 J	NA	ND(0.0053)	ND(0.0058)	ND(0.0056)
Xylenes (total)		ND(0.0059)	NA	ND(0.0053)	ND(0.0058)	ND(0.0056)
Semivolatile Organics						
1,2,4-Trichlorobenzene		ND(0.51)	ND(0.39)	NA	ND(0.38)	0.28 J
1,2-Dichlorobenzene		ND(0.51)	ND(0.39)	NA	ND(0.38)	ND(0.37)
1,3-Dichlorobenzene		ND(0.51)	ND(0.39)	NA	ND(0.38)	ND(0.37)
1,4-Dichlorobenzene		ND(0.51)	ND(0.39)	NA	ND(0.38)	ND(0.37)
2-Methylnaphthalene		0.17 J	ND(0.39)	NA	ND(0.38)	ND(0.37)
Acenaphthene		ND(0.51)	ND(0.39)	NA	0.082 J	ND(0.37)
Acenaphthylene		0.34 J	ND(0.39)	NA	ND(0.38)	0.11 J
Aniline		ND(0.51)	ND(0.39)	NA	ND(0.38)	0.13 J
Anthracene		0.38 J	ND(0.39)	NA	0.12 J	0.19 J
Benzo(a)anthracene		1.0	ND(0.39)	NA	0.28 J	0.36 J
Benzo(a)pyrene		0.46 J	ND(0.39)	NA	0.20 J	0.28 J
Benzo(b)fluoranthene		0.50 J	ND(0.39)	NA	0.14 J	0.17 J
Benzo(g,h,i)perylene		0.23 J	ND(0.39)	NA	0.11 J	0.21 J
Benzo(k)fluoranthene		0.75	ND(0.39)	NA	0.22 J	0.34 J
bis(2-Ethylhexyl)phthalate		ND(0.39)	ND(0.38)	NA	ND(0.38)	ND(0.37)
Butylbenzylphthalate		ND(0.51)	ND(0.39)	NA	ND(0.38)	ND(0.37)
Chrysene		1.3	ND(0.39)	NA	0.34 J	0.46
Dibenzo(a,h)anthracene		ND(0.51)	ND(0.39)	NA	ND(0.38)	ND(0.37)
Dibenzofuran		ND(0.51)	ND(0.39)	NA	ND(0.38)	ND(0.37)
Fluoranthene		2.8	ND(0.39)	NA	0.76	0.86
Fluorene		ND(0.51)	ND(0.39)	NA	ND(0.38)	ND(0.37)
Indeno(1,2,3-cd)pyrene		0.21 J	ND(0.39)	NA	0.091 J	0.14 J
Naphthalene		0.24 J	ND(0.39)	NA	ND(0.38)	ND(0.37)
N-Nitroso-di-n-propylamine		ND(0.51)	ND(0.39)	NA	ND(0.38)	ND(0.37)
Phenanthrene		0.82	ND(0.39)	NA	0.50	0.45
Phenol		ND(0.51)	ND(0.39)	NA	ND(0.38)	ND(0.37)
Pyrene		1.9	ND(0.39)	NA	0.61	0.72
Organochlorine Pesticides						
None Detected		NA	NA	NA	NA	NA
Organophosphate Pesticides						
None Detected		NA	NA	NA	NA	NA
Herbicides						
None Detected		NA	NA	NA	NA	NA
Furans						
2,3,7,8-TCDF		NA	NA	NA	0.00020 Y	0.0014 YE
TCDFs (total)		NA	NA	NA	0.0022 I	0.012 I
1,2,3,7,8-PeCDF		NA	NA	NA	0.00017	0.00094
2,3,4,7,8-PeCDF		NA	NA	NA	0.00026	0.0016
PeCDFs (total)		NA	NA	NA	0.0025 I	0.015
1,2,3,4,7,8-HxCDF		NA	NA	NA	0.00054	0.0026 E
1,2,3,6,7,8-HxCDF		NA	NA	NA	0.00033	0.0017
1,2,3,7,8,9-HxCDF		NA	NA	NA	0.000072	0.00035
2,3,4,6,7,8-HxCDF		NA	NA	NA	0.00017	0.0013
HxCDFs (total)		NA	NA	NA	0.0026	0.018
1,2,3,4,6,7,8-HpCDF		NA	NA	NA	0.00054	0.0034 E
1,2,3,4,7,8,9-HpCDF		NA	NA	NA	0.00015	0.00084

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

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

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-E-RR16 1-3 09/23/04	RAA10-E-RR16 3-6 09/23/04	RAA10-E-RR16 4-6 09/23/04	RAA10-E-S12 0-1 10/07/04	RAA10-E-T12 1-3 10/06/04
HpCDFs (total)		NA	NA	NA	0.00096	0.0066
OCDF		NA	NA	NA	0.00040	0.0029
Dioxins						
2,3,7,8-TCDD		NA	NA	NA	0.0000012 J	0.000010
TCDDs (total)		NA	NA	NA	0.000030	0.00030
1,2,3,7,8-PeCDD		NA	NA	NA	0.0000050 J	0.000056
PeCDDs (total)		NA	NA	NA	0.000073	0.00067
1,2,3,4,7,8-HxCDD		NA	NA	NA	0.0000046 J	0.000063
1,2,3,6,7,8-HxCDD		NA	NA	NA	0.0000083	0.000088
1,2,3,7,8,9-HxCDD		NA	NA	NA	ND(0.0000072) X	0.000073
HxCDDs (total)		NA	NA	NA	0.000099	0.0012
1,2,3,4,6,7,8-HpCDD		NA	NA	NA	0.000054	0.00087
HpCDDs (total)		NA	NA	NA	0.00012	0.0023
OCDD		NA	NA	NA	0.00027	0.0084 E
Total TEQs (WHO TEFs)		NA	NA	NA	0.00029	0.0017
Inorganics						
Antimony		1.90 B	0.980 B	NA	ND(6.00)	5.90 B
Arsenic		7.20	4.80	NA	3.90	6.20
Barium		40.0	24.0	NA	24.0	53.0
Beryllium		0.230 B	0.250 B	NA	0.160 B	0.170 B
Cadmium		0.260 B	0.250 B	NA	0.230 B	0.820
Chromium		5.60	5.20	NA	5.80	12.0
Cobalt		4.70 B	7.00	NA	5.40	7.30
Copper		17.0	14.0	NA	28.0	290
Cyanide		0.220	0.0570 B	NA	0.0990 B	0.110 B
Lead		30.0	12.0	NA	24.0	230
Mercury		0.0530 B	ND(0.120)	NA	0.0560 B	4.00
Nickel		6.50	8.60	NA	8.80	16.0
Selenium		ND(1.00)	ND(1.00)	NA	1.00	1.50
Silver		0.180 B	0.170 B	NA	0.140 B	0.340 B
Sulfide		7.60	ND(5.80)	NA	ND(5.80)	27.0
Thallium		ND(1.20)	ND(1.20)	NA	ND(1.20)	ND(1.10)
Tin		29.0	3.60 B	NA	4.70 B	24.0
Vanadium		7.30	6.60	NA	6.60	7.80
Zinc		25.0	26.0	NA	43.0	240

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-T12 3-6 10/06/04	RAA10-E-T12 4-6 10/06/04	RAA10-E-T12 6-15 10/06/04	RAA10-E-T12 8-10 10/06/04	RAA10-E-T13 0-1 10/07/04
Volatile Organics					
1,4-Dioxane	NA	ND(0.12)	NA	ND(0.13)	0.14 J [ND(0.16)]
Acetone	NA	0.013 J	NA	0.016 J	0.030 [0.039]
Benzene	NA	ND(0.0058)	NA	ND(0.0066)	ND(0.0072) [ND(0.0079)]
Chlorobenzene	NA	ND(0.0058)	NA	0.0084	ND(0.0072) [ND(0.0079)]
Ethylbenzene	NA	ND(0.0058)	NA	ND(0.0066)	ND(0.0072) [ND(0.0079)]
Trichloroethene	NA	ND(0.0058)	NA	ND(0.0066)	ND(0.0072) [ND(0.0079)]
Xylenes (total)	NA	ND(0.0058)	NA	ND(0.0066)	ND(0.0072) [ND(0.0079)]
Semivolatile Organics					
1,2,4-Trichlorobenzene	1.2	NA	3.9	NA	ND(0.77) [ND(0.68)]
1,2-Dichlorobenzene	ND(0.38)	NA	ND(0.42)	NA	ND(0.77) [ND(0.68)]
1,3-Dichlorobenzene	ND(0.38)	NA	1.0	NA	ND(0.77) [ND(0.68)]
1,4-Dichlorobenzene	0.12 J	NA	5.1	NA	ND(0.77) [ND(0.68)]
2-Methylnaphthalene	ND(0.38)	NA	ND(0.42)	NA	ND(0.77) [ND(0.68)]
Acenaphthene	0.31 J	NA	5.4	NA	ND(0.77) [ND(0.68)]
Acenaphthylene	0.11 J	NA	0.13 J	NA	ND(0.77) [ND(0.68)]
Aniline	ND(0.38)	NA	1.5	NA	0.30 J [ND(0.68)]
Anthracene	0.79	NA	ND(0.42)	NA	0.36 J [0.19 J]
Benzo(a)anthracene	0.99	NA	0.41 J	NA	0.94 [0.42 J]
Benzo(a)pyrene	0.56	NA	0.25 J	NA	0.67 J [0.21 J]
Benzo(b)fluoranthene	0.35 J	NA	0.14 J	NA	0.54 J [0.18 J]
Benzo(g,h,i)perylene	0.34 J	NA	0.16 J	NA	0.48 J [ND(0.68)]
Benzo(k)fluoranthene	0.65	NA	0.40 J	NA	0.84 [0.28 J]
bis(2-Ethylhexyl)phthalate	0.22 J	NA	0.28 J	NA	ND(0.48) [ND(0.56)]
Butylbenzylphthalate	ND(0.38)	NA	ND(0.42)	NA	ND(0.77) [ND(0.68)]
Chrysene	1.0	NA	0.57	NA	1.4 [0.63 J]
Dibenzo(a,h)anthracene	0.10 J	NA	ND(0.42)	NA	ND(0.77) [ND(0.68)]
Dibenzofuran	0.17 J	NA	ND(0.42)	NA	ND(0.77) [ND(0.68)]
Fluoranthene	2.5	NA	0.52	NA	2.8 [2.1]
Fluorene	0.31 J	NA	ND(0.42)	NA	ND(0.77) [ND(0.68)]
Indeno(1,2,3-cd)pyrene	0.30 J	NA	0.14 J	NA	0.41 J [ND(0.68)]
Naphthalene	0.11 J	NA	0.13 J	NA	ND(0.77) [ND(0.68)]
N-Nitroso-di-n-propylamine	ND(0.38)	NA	ND(0.42)	NA	ND(0.77) [ND(0.68)]
Phenanthrene	2.2	NA	0.18 J	NA	1.6 [1.4]
Phenol	ND(0.38)	NA	ND(0.42)	NA	ND(0.77) [ND(0.68)]
Pyrene	1.9	NA	0.89	NA	2.3 [1.5]
Organochlorine Pesticides					
None Detected	NA	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	NA	NA	NA	NA	NA
Herbicides					
None Detected	NA	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	0.0032 YE	NA	0.0020 YE	NA	0.00054 Y
TCDFs (total)	0.028 QI	NA	0.022 I	NA	0.0079 QI
1,2,3,7,8-PeCDF	0.0025 E	NA	0.00095	NA	0.00037
2,3,4,7,8-PeCDF	0.0033 E	NA	0.0018	NA	0.0011
PeCDFs (total)	0.030	NA	0.020 QI	NA	0.0096 Q
1,2,3,4,7,8-HxCDF	0.0069 E	NA	0.0037 E	NA	0.0016
1,2,3,6,7,8-HxCDF	0.0038 E	NA	0.0020	NA	0.00092
1,2,3,7,8,9-HxCDF	0.0011	NA	0.00062	NA	0.00028 Q
2,3,4,6,7,8-HxCDF	0.0022	NA	0.0011	NA	0.00072
HxCDFs (total)	0.031	NA	0.017 Q	NA	0.011 Q
1,2,3,4,6,7,8-HpCDF	0.0067 E	NA	0.0042 E	NA	0.0018
1,2,3,4,7,8,9-HpCDF	0.0022	NA	0.0013	NA	0.00053

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-T12 3-6 10/06/04	RAA10-E-T12 4-6 10/06/04	RAA10-E-T12 6-15 10/06/04	RAA10-E-T12 8-10 10/06/04	RAA10-E-T13 0-1 10/07/04
HpCDFs (total)	0.013	NA	0.0078	NA	0.0038
OCDF	0.0072 E	NA	0.0037	NA	0.0020
Dioxins					
2,3,7,8-TCDD	0.000019	NA	0.000018	NA	0.000025
TCDDs (total)	0.00068	NA	0.00054	NA	0.00032 Q
1,2,3,7,8-PeCDD	0.00012	NA	0.000060	NA	0.000051
PeCDDs (total)	0.0017 Q	NA	0.0011 Q	NA	0.00092 Q
1,2,3,4,7,8-HxCDD	0.000082	NA	0.000060	NA	0.000040
1,2,3,6,7,8-HxCDD	0.00016	NA	0.000088	NA	0.00015
1,2,3,7,8,9-HxCDD	0.00014	NA	0.000079	NA	0.000095
HxCDDs (total)	0.0021	NA	0.0014	NA	0.0015
1,2,3,4,6,7,8-HpCDD	0.00074	NA	0.00056	NA	0.0011
HpCDDs (total)	0.0017	NA	0.0012	NA	0.0021
OCDD	0.0021	NA	0.0018	NA	0.0083 E
Total TEQs (WHO TEFs)	0.0038	NA	0.0021	NA	0.0011
Inorganics					
Antimony	8.80	NA	9.00	NA	8.10 [6.40]
Arsenic	5.80	NA	11.0	NA	7.60 [6.70]
Barium	78.0	NA	71.0	NA	59.0 [62.0]
Beryllium	0.170 B	NA	0.140 B	NA	0.390 B [0.290 B]
Cadmium	1.20	NA	1.40	NA	1.80 [1.60]
Chromium	19.0	NA	22.0	NA	76.0 [78.0]
Cobalt	7.10	NA	7.40	NA	8.90 [8.20]
Copper	460	NA	350	NA	130 [190]
Cyanide	0.200	NA	0.170	NA	0.320 [0.320]
Lead	320	NA	330	NA	260 [270]
Mercury	4.20	NA	5.40	NA	1.80 [1.60]
Nickel	22.0	NA	20.0	NA	28.0 [33.0]
Selenium	1.10	NA	1.10	NA	2.00 [1.80]
Silver	0.140 B	NA	3.00	NA	16.0 [11.0]
Sulfide	18.0	NA	62.0	NA	180 [380]
Thallium	1.50	NA	ND(1.20)	NA	1.90 [ND(1.70)]
Tin	30.0	NA	30.0	NA	17.0 [20.0]
Vanadium	9.30	NA	9.00	NA	46.0 [40.0]
Zinc	410	NA	410	NA	290 [290]

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

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

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-E-U10 0-1 10/11/04	RAA10-E-U12 0-1 10/07/04	RAA10-E-UU19 0-1 09/23/04	RAA10-E-VV20 3-6 09/21/04	RAA10-E-VV20 4-6 09/21/04
Volatile Organics						
1,4-Dioxane		ND(0.12)	ND(0.11)	ND(0.11)	NA	ND(0.12)
Acetone		ND(0.023)	0.018 J	0.010 J	NA	ND(0.024)
Benzene		ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	ND(0.0059)
Chlorobenzene		ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	ND(0.0059)
Ethylbenzene		ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	ND(0.0059)
Trichloroethene		ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	ND(0.0059)
Xylenes (total)		ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	ND(0.0059)
Semivolatile Organics						
1,2,4-Trichlorobenzene		ND(0.38)	ND(0.36)	ND(0.38)	ND(0.37)	NA
1,2-Dichlorobenzene		ND(0.38)	ND(0.36)	ND(0.38)	ND(0.37)	NA
1,3-Dichlorobenzene		ND(0.38)	ND(0.36)	ND(0.38)	ND(0.37)	NA
1,4-Dichlorobenzene		ND(0.38)	ND(0.36)	ND(0.38)	ND(0.37)	NA
2-Methylnaphthalene		ND(0.38)	ND(0.36)	0.078 J	ND(0.37)	NA
Acenaphthene		ND(0.38)	0.23 J	ND(0.38)	ND(0.37)	NA
Acenaphthylene		ND(0.38)	ND(0.36)	0.62	0.22 J	NA
Aniline		ND(0.38)	ND(0.36)	0.094 J	ND(0.37)	NA
Anthracene		ND(0.38)	0.60	0.54	0.31 J	NA
Benzo(a)anthracene		0.13 J	0.63	1.3	0.39	NA
Benzo(a)pyrene		0.13 J	0.36 J	0.80	0.22 J	NA
Benzo(b)fluoranthene		ND(0.38)	0.27 J	0.55	0.19 J	NA
Benzo(g,h,i)perylene		ND(0.38)	0.18 J	0.47	0.11 J	NA
Benzo(k)fluoranthene		0.17 J	0.39	0.97	0.37	NA
bis(2-Ethylhexyl)phthalate		ND(0.38)	ND(0.36)	ND(0.37)	ND(0.37)	NA
Butylbenzylphthalate		ND(0.38)	ND(0.36)	ND(0.38)	ND(0.37)	NA
Chrysene		0.20 J	0.66	ND(0.38)	0.56	NA
Dibenzo(a,h)anthracene		ND(0.38)	ND(0.36)	0.15 J	ND(0.37)	NA
Dibenzofuran		ND(0.38)	0.14 J	ND(0.38)	0.17 J	NA
Fluoranthene		0.26 J	1.8	2.5	1.4	NA
Fluorene		ND(0.38)	0.25 J	ND(0.38)	ND(0.37)	NA
Indeno(1,2,3-cd)pyrene		ND(0.38)	0.16 J	0.37 J	0.094 J	NA
Naphthalene		ND(0.38)	ND(0.36)	0.14 J	0.32 J	NA
N-Nitroso-di-n-propylamine		ND(0.38)	ND(0.36)	ND(0.38)	ND(0.37)	NA
Phenanthrene		0.10 J	1.8	0.74	0.87	NA
Phenol		ND(0.38)	ND(0.36)	ND(0.38)	ND(0.37)	NA
Pyrene		0.24 J	1.3	2.6	0.94	NA
Organochlorine Pesticides						
None Detected		NA	NA	--	--	NA
Organophosphate Pesticides						
None Detected		NA	NA	--	--	NA
Herbicides						
None Detected		NA	NA	--	--	NA
Furans						
2,3,7,8-TCDF		0.00044 Y	0.000034 Y	0.00064 YD	0.000018 Y	NA
TCDFs (total)		0.0053 I	0.00034	0.0030	0.00013	NA
1,2,3,7,8-PeCDF		0.00037	0.000031	0.00052	0.0000052 J	NA
2,3,4,7,8-PeCDF		0.00066	0.000046	0.00070	0.0000073	NA
PeCDFs (total)		0.0062	0.00044	0.0045	0.00016	NA
1,2,3,4,7,8-HxCDF		0.0012	0.000088	0.0014	0.0000089	NA
1,2,3,6,7,8-HxCDF		0.00073	0.000058	0.00085	0.0000066	NA
1,2,3,7,8,9-HxCDF		0.00014	0.000011	0.000023	ND(0.00000050)	NA
2,3,4,6,7,8-HxCDF		0.00034	0.000023	0.00023	0.0000066	NA
HxCDFs (total)		0.0057	0.00040	0.0053	0.00018	NA
1,2,3,4,6,7,8-HpCDF		0.0010	0.000076	0.0015	0.000039	NA
1,2,3,4,7,8,9-HpCDF		0.00030	0.000020	0.00042	0.0000038 J	NA

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-U10 0-1 10/11/04	RAA10-E-U12 0-1 10/07/04	RAA10-E-UU19 0-1 09/23/04	RAA10-E-VV20 3-6 09/21/04	RAA10-E-VV20 4-6 09/21/04
HpCDFs (total)	0.0019	0.00014	0.0027	0.000088	NA
OCDF	0.00096	0.000066	0.0013	0.000033	NA
Dioxins					
2,3,7,8-TCDD	0.0000025	ND(0.00000054) X	0.0000032	0.0000023	NA
TCDDs (total)	0.000077	0.0000013 J	0.000055	0.0000077	NA
1,2,3,7,8-PeCDD	ND(0.000010) X	ND(0.00000063)	0.000012	ND(0.0000013)	NA
PeCDDs (total)	0.00012	0.0000064 Q	0.000042	ND(0.0000029)	NA
1,2,3,4,7,8-HxCDD	0.0000091	0.00000077 J	0.000011	ND(0.0000012)	NA
1,2,3,6,7,8-HxCDD	0.000018	0.0000021 J	0.000020	0.0000031 J	NA
1,2,3,7,8,9-HxCDD	0.000015	0.0000016 J	0.000016	ND(0.0000023)	NA
HxCDDs (total)	0.00024	0.000024	0.00022	0.000028	NA
1,2,3,4,6,7,8-HpCDD	0.00011	0.000019	0.00021	0.000033	NA
HpCDDs (total)	0.00025	0.000058	0.00055	0.000069	NA
OCDD	0.00048	0.00013	0.0011	0.00018	NA
Total TEQs (WHO TEFs)	0.00066	0.000048	0.00073	0.000012	NA
Inorganics					
Antimony	1.50 B	ND(6.00)	4.60 B	3.60 B	NA
Arsenic	3.10	3.70	8.80	16.0	NA
Barium	36.0	23.0	28.0	37.0	NA
Beryllium	0.210 B	0.180 B	0.180 B	0.230 B	NA
Cadmium	0.430 B	0.160 B	0.650	0.370 B	NA
Chromium	12.0	5.20	8.30	10.0	NA
Cobalt	5.50	5.00	6.90	6.20	NA
Copper	120	36.0	130	63.0	NA
Cyanide	0.270	0.120	0.0920 B	0.0780 B	NA
Lead	100	20.0	97.0	79.0	NA
Mercury	0.160	0.0560 B	0.150	0.120	NA
Nickel	11.0	9.80	11.0	13.0	NA
Selenium	1.10	1.20	ND(1.00)	0.760 B	NA
Silver	0.440 B	ND(1.00)	0.360 B	ND(1.00)	NA
Sulfide	7.40	7.00	14.0	18.0	NA
Thallium	1.00 B	ND(1.10)	ND(1.10)	1.30	NA
Tin	10.0	3.40 B	9.60 B	9.60 B	NA
Vanadium	8.30	7.60	13.0	7.70	NA
Zinc	140	35.0	100	96.0	NA

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-W9 0-1 10/11/04	RAA10-E-W11 0-1 10/11/04	RAA10-E-W13 0-1 10/11/04	RAA10-E-X10 0-1 09/30/04	RAA10-E-X10 3-6 09/30/04
Volatile Organics					
1,4-Dioxane	ND(0.12)	0.076 J	0.089 J	ND(0.11)	NA
Acetone	ND(0.024)	ND(0.021)	ND(0.022)	ND(0.022)	NA
Benzene	ND(0.0060)	ND(0.0052)	ND(0.0054)	ND(0.0056)	NA
Chlorobenzene	ND(0.0060)	ND(0.0052)	ND(0.0054)	ND(0.0056)	NA
Ethylbenzene	ND(0.0060)	ND(0.0052)	ND(0.0054)	ND(0.0056)	NA
Trichloroethene	ND(0.0060)	ND(0.0052)	ND(0.0054)	ND(0.0056)	NA
Xylenes (total)	ND(0.0060)	ND(0.0052)	ND(0.0054)	ND(0.0056)	NA
Semivolatile Organics					
1,2,4-Trichlorobenzene	ND(0.40)	ND(0.35)	ND(0.36)	4.7	ND(0.37)
1,2-Dichlorobenzene	ND(0.40)	ND(0.35)	ND(0.36)	ND(0.37)	ND(0.37)
1,3-Dichlorobenzene	ND(0.40)	ND(0.35)	ND(0.36)	ND(0.37)	ND(0.37)
1,4-Dichlorobenzene	ND(0.40)	ND(0.35)	ND(0.36)	ND(0.37)	ND(0.37)
2-Methylnaphthalene	ND(0.40)	ND(0.35)	ND(0.36)	ND(0.37)	ND(0.37)
Acenaphthene	ND(0.40)	ND(0.35)	ND(0.36)	ND(0.37)	ND(0.37)
Acenaphthylene	ND(0.40)	ND(0.35)	ND(0.36)	ND(0.37)	ND(0.37)
Aniline	ND(0.40)	ND(0.35)	ND(0.36)	1.1	ND(0.37)
Anthracene	ND(0.40)	ND(0.35)	ND(0.36)	0.099 J	0.083 J
Benzo(a)anthracene	ND(0.40)	ND(0.35)	ND(0.36)	0.20 J	0.16 J
Benzo(a)pyrene	ND(0.40)	ND(0.35)	ND(0.36)	0.16 J	0.12 J
Benzo(b)fluoranthene	ND(0.40)	ND(0.35)	ND(0.36)	0.12 J	ND(0.37)
Benzo(g,h,i)perylene	ND(0.40)	ND(0.35)	ND(0.36)	0.14 J	ND(0.37)
Benzo(k)fluoranthene	ND(0.40)	ND(0.35)	ND(0.36)	0.19 J	ND(0.37)
bis(2-Ethylhexyl)phthalate	ND(0.40)	ND(0.34)	ND(0.36)	ND(0.37)	0.30 J
Butylbenzylphthalate	ND(0.40)	ND(0.35)	ND(0.36)	ND(0.37)	ND(0.37)
Chrysene	0.10 J	ND(0.35)	ND(0.36)	0.27 J	0.17 J
Dibenzo(a,h)anthracene	ND(0.40)	ND(0.35)	ND(0.36)	ND(0.37)	ND(0.37)
Dibenzofuran	ND(0.40)	ND(0.35)	ND(0.36)	ND(0.37)	ND(0.37)
Fluoranthene	0.24 J	ND(0.35)	ND(0.36)	0.40	0.42
Fluorene	ND(0.40)	ND(0.35)	ND(0.36)	ND(0.37)	ND(0.37)
Indeno(1,2,3-cd)pyrene	ND(0.40)	ND(0.35)	ND(0.36)	0.10 J	ND(0.37)
Naphthalene	ND(0.40)	ND(0.35)	ND(0.36)	ND(0.37)	ND(0.37)
N-Nitroso-di-n-propylamine	ND(0.40)	ND(0.35)	ND(0.36)	ND(0.37)	ND(0.37)
Phenanthrene	0.14 J	ND(0.35)	ND(0.36)	0.26 J	0.27 J
Phenol	ND(0.40)	ND(0.35)	ND(0.36)	0.10 J	ND(0.37)
Pyrene	0.21 J	ND(0.35)	ND(0.36)	0.36 J	0.34 J
Organochlorine Pesticides					
None Detected	NA	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	NA	NA	NA	NA	NA
Herbicides					
None Detected	NA	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	0.000013 Y	0.0000057 Y	0.0000025	0.0016 YE	0.000023 Y
TCDFs (total)	0.00013	0.000058	0.000020	0.015 I	0.00020 QI
1,2,3,7,8-PeCDF	0.000016	0.0000039 J	0.0000022 J	0.0010	0.000012
2,3,4,7,8-PeCDF	0.000015	0.0000068	0.0000041 J	0.0016	0.000022
PeCDFs (total)	0.00026	0.000062	0.000047	0.015 Q	0.00020
1,2,3,4,7,8-HxCDF	ND(0.000016) X	0.000012	0.0000030 J	0.0030 E	0.000042
1,2,3,6,7,8-HxCDF	0.000010	0.0000073	0.0000020 J	0.0016	0.000023
1,2,3,7,8,9-HxCDF	0.0000040 J	0.0000013 J	ND(0.0000012)	0.00033	0.0000050 J
2,3,4,6,7,8-HxCDF	0.000010	0.0000033 J	0.0000023 J	0.00089	0.000014
HxCDFs (total)	0.00016	0.000052	ND(0.000034)	0.014	0.00019
1,2,3,4,6,7,8-HpCDF	0.000036	0.000016	0.0000047 J	0.0034 E	0.000045
1,2,3,4,7,8,9-HpCDF	0.0000046 J	0.0000023 J	ND(0.0000011) X	0.00076	0.000013

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-W9 0-1 10/11/04	RAA10-E-W11 0-1 10/11/04	RAA10-E-W13 0-1 10/11/04	RAA10-E-X10 0-1 09/30/04	RAA10-E-X10 3-6 09/30/04
HpCDFs (total)	0.000073	0.000023	0.0000088 J	0.0056	0.000082
OCDF	0.000041	0.0000094 J	0.0000051 J	0.0029	0.000042
Dioxins					
2,3,7,8-TCDD	ND(0.00000047)	ND(0.00000060)	ND(0.00000047)	0.000011	ND(0.00000062)
TCDDs (total)	ND(0.00000069)	ND(0.00000060)	ND(0.00000047)	0.00026	0.0000015 J
1,2,3,7,8-PeCDD	ND(0.0000014)	ND(0.00000055)	ND(0.00000066)	ND(0.000051) X	0.0000013 J
PeCDDs (total)	0.0000022 J	ND(0.00000055)	ND(0.00000096)	0.00046	0.000014
1,2,3,4,7,8-HxCDD	ND(0.0000016)	ND(0.00000094)	ND(0.0000012)	0.000043	ND(0.0000025)
1,2,3,6,7,8-HxCDD	ND(0.0000030) X	ND(0.00000083)	ND(0.0000011)	0.000071	ND(0.0000022)
1,2,3,7,8,9-HxCDD	ND(0.0000016)	ND(0.00000091)	ND(0.0000012)	0.000062	ND(0.0000024)
HxCDDs (total)	0.0000070	0.0000033 J	0.0000011	0.0010	0.000012
1,2,3,4,6,7,8-HpCDD	0.000019	0.0000018 J	0.0000026 J	0.00034	0.0000065
HpCDDs (total)	0.000037	0.0000038 J	0.0000052 Y	0.00071	0.000013
OCDD	0.00018	0.000010	0.000018	0.00096	0.000038
Total TEQs (WHO TEFs)	0.000015	0.0000075	0.0000040	0.0017	0.000025
Inorganics					
Antimony	ND(6.00)	ND(6.00)	ND(6.00)	85.0	1.40 B
Arsenic	4.40	1.60	2.20	6.20	3.40
Barium	32.0	8.80 B	12.0 B	74.0	18.0 B
Beryllium	0.220 B	0.0760 B	0.120 B	0.190 B	0.160 B
Cadmium	0.140 B	ND(0.500)	ND(0.500)	1.30	0.230 B
Chromium	8.30	2.60	3.40	11.0	4.50
Cobalt	4.50 B	3.20 B	3.90 B	7.10	5.20
Copper	14.0	7.10	7.80	1100	100
Cyanide	0.130	ND(0.210)	ND(0.220)	0.160 B	ND(0.220)
Lead	38.0	2.70	4.40	290	14.0
Mercury	0.250	ND(0.100)	ND(0.110)	16.0	ND(0.110)
Nickel	7.80	5.30	6.10	17.0	8.70
Selenium	0.700 B	ND(1.00)	0.650 B	ND(1.00)	ND(1.00)
Silver	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Sulfide	5.70 B	5.00 B	ND(5.40)	ND(5.60)	72.0
Thallium	ND(1.20)	ND(1.00)	0.930 B	ND(1.10)	ND(1.10)
Tin	5.10 B	3.10 B	3.50 B	870	5.90 B
Vanadium	8.50	2.60 B	3.50 B	9.40	4.30 B
Zinc	49.0	15.0	21.0	350	31.0

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

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

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-E-X10 4-6 09/30/04	RAA10-E-X10 6-15 09/30/04	RAA10-E-X10 10-12 09/30/04	RAA10-E-X12 0-1 09/30/04	RAA10-E-X12 1-3 09/30/04
Volatile Organics						
1,4-Dioxane		ND(0.11)	NA	ND(0.12)	ND(0.11)	ND(0.11)
Acetone		ND(0.022)	NA	ND(0.024)	ND(0.022)	ND(0.023)
Benzene		ND(0.0056)	NA	ND(0.0060)	ND(0.0055)	ND(0.0057)
Chlorobenzene		ND(0.0056)	NA	ND(0.0060)	ND(0.0055)	ND(0.0057)
Ethylbenzene		ND(0.0056)	NA	ND(0.0060)	ND(0.0055)	ND(0.0057)
Trichloroethene		ND(0.0056)	NA	ND(0.0060)	ND(0.0055)	ND(0.0057)
Xylenes (total)		ND(0.0056)	NA	ND(0.0060)	ND(0.0055)	ND(0.0057)
Semivolatile Organics						
1,2,4-Trichlorobenzene		NA	ND(0.46)	NA	ND(0.37)	ND(0.38)
1,2-Dichlorobenzene		NA	ND(0.46)	NA	ND(0.37)	ND(0.38)
1,3-Dichlorobenzene		NA	ND(0.46)	NA	ND(0.37)	ND(0.38)
1,4-Dichlorobenzene		NA	ND(0.46)	NA	ND(0.37)	ND(0.38)
2-Methylnaphthalene		NA	ND(0.46)	NA	ND(0.37)	ND(0.38)
Acenaphthene		NA	ND(0.46)	NA	ND(0.37)	ND(0.38)
Acenaphthylene		NA	ND(0.46)	NA	ND(0.37)	0.74
Aniline		NA	ND(0.46)	NA	ND(0.37)	0.10 J
Anthracene		NA	ND(0.46)	NA	0.12 J	0.80
Benzo(a)anthracene		NA	ND(0.46)	NA	0.092 J	1.8
Benzo(a)pyrene		NA	ND(0.46)	NA	ND(0.37)	1.5
Benzo(b)fluoranthene		NA	ND(0.46)	NA	ND(0.37)	1.6
Benzo(g,h,i)perylene		NA	ND(0.46)	NA	ND(0.37)	0.80
Benzo(k)fluoranthene		NA	ND(0.46)	NA	0.090 J	2.4
bis(2-Ethylhexyl)phthalate		NA	ND(0.46)	NA	ND(0.36)	ND(0.38)
Butylbenzylphthalate		NA	ND(0.46)	NA	ND(0.37)	ND(0.38)
Chrysene		NA	ND(0.46)	NA	0.11 J	2.8
Dibenzo(a,h)anthracene		NA	ND(0.46)	NA	ND(0.37)	0.29 J
Dibenzofuran		NA	ND(0.46)	NA	ND(0.37)	ND(0.38)
Fluoranthene		NA	0.12 J	NA	0.19 J	2.2
Fluorene		NA	ND(0.46)	NA	ND(0.37)	ND(0.38)
Indeno(1,2,3-cd)pyrene		NA	ND(0.46)	NA	ND(0.37)	0.75
Naphthalene		NA	ND(0.46)	NA	ND(0.37)	ND(0.38)
N-Nitroso-di-n-propylamine		NA	ND(0.46)	NA	ND(0.37)	ND(0.38)
Phenanthrene		NA	ND(0.46)	NA	0.11 J	0.48
Phenol		NA	ND(0.46)	NA	ND(0.37)	ND(0.38)
Pyrene		NA	0.13 J	NA	0.16 J	2.6
Organochlorine Pesticides						
None Detected		NA	NA	NA	NA	NA
Organophosphate Pesticides						
None Detected		NA	NA	NA	NA	NA
Herbicides						
None Detected		NA	NA	NA	NA	NA
Furans						
2,3,7,8-TCDF		NA	0.000032 Y	NA	0.000013 Y	0.000094 Y
TCDFs (total)		NA	0.00029	NA	0.00011	0.0011 QI
1,2,3,7,8-PeCDF		NA	0.000019	NA	0.000011	0.000057
2,3,4,7,8-PeCDF		NA	0.000044	NA	0.000019	0.00020
PeCDFs (total)		NA	0.00040	NA	0.00023	0.0022 QI
1,2,3,4,7,8-HxCDF		NA	0.000072	NA	0.000025	0.00019
1,2,3,6,7,8-HxCDF		NA	0.000043	NA	0.000011	0.00011
1,2,3,7,8,9-HxCDF		NA	0.000010	NA	0.0000045 J	0.000032
2,3,4,6,7,8-HxCDF		NA	0.000047	NA	0.000010	0.00013
HxCDFs (total)		NA	0.00067	NA	0.00016	0.0019
1,2,3,4,6,7,8-HpCDF		NA	0.00013	NA	0.000027	0.00028
1,2,3,4,7,8,9-HpCDF		NA	0.000030	NA	0.000011	0.000064

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

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

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-E-X10 4-6 09/30/04	RAA10-E-X10 6-15 09/30/04	RAA10-E-X10 10-12 09/30/04	RAA10-E-X12 0-1 09/30/04	RAA10-E-X12 1-3 09/30/04
HpCDFs (total)		NA	0.00028	NA	0.000059	0.00057
OCDF		NA	0.00014	NA	0.000039	0.00026
Dioxins						
2,3,7,8-TCDD		NA	ND(0.00000096)	NA	ND(0.00000087)	ND(0.0000013)
TCDDs (total)		NA	ND(0.00000096)	NA	ND(0.00000087)	0.000019
1,2,3,7,8-PeCDD		NA	ND(0.0000017) X	NA	ND(0.0000013)	0.0000086
PeCDDs (total)		NA	0.000014	NA	ND(0.0000013)	0.000092 Q
1,2,3,4,7,8-HxCDD		NA	ND(0.0000029)	NA	ND(0.0000019)	0.0000053 J
1,2,3,6,7,8-HxCDD		NA	0.0000028 J	NA	ND(0.0000017)	0.000013
1,2,3,7,8,9-HxCDD		NA	ND(0.0000027)	NA	ND(0.0000019)	0.0000090
HxCDDs (total)		NA	0.000030	NA	0.0000038 J	0.00015
1,2,3,4,6,7,8-HpCDD		NA	0.000034	NA	0.0000061	0.000066
HpCDDs (total)		NA	0.000074	NA	0.000012	0.00013
OCDD		NA	0.00042	NA	0.000049	0.00040
Total TEQs (WHO TEFs)		NA	0.000047	NA	0.000018	0.00017
Inorganics						
Antimony		NA	1.00 B	NA	1.60 B	1.80 B
Arsenic		NA	3.70	NA	4.00	4.60
Barium		NA	32.0	NA	22.0	50.0
Beryllium		NA	0.310 B	NA	0.190 B	0.190 B
Cadmium		NA	0.320 B	NA	0.460 B	0.930
Chromium		NA	11.0	NA	7.70	8.50
Cobalt		NA	8.80	NA	6.80	5.90
Copper		NA	18.0	NA	16.0	35.0
Cyanide		NA	0.0470 B	NA	ND(0.220)	0.120 B
Lead		NA	11.0	NA	25.0	47.0
Mercury		NA	ND(0.140)	NA	ND(0.110)	0.100 B
Nickel		NA	15.0	NA	12.0	13.0
Selenium		NA	ND(1.00)	NA	ND(1.00)	ND(1.00)
Silver		NA	ND(1.00)	NA	ND(1.00)	0.530 B
Sulfide		NA	73.0	NA	7.00	5.50 B
Thallium		NA	ND(1.40)	NA	ND(1.10)	ND(1.10)
Tin		NA	4.50 B	NA	3.50 B	6.20 B
Vanadium		NA	9.80	NA	5.70	7.80
Zinc		NA	77.0	NA	47.0	100

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-X12 6-15 09/30/04	RAA10-E-X12 8-10 09/30/04	RAA10-E-XX20 0-1 09/22/04	RAA10-E-XX20 6-12 09/22/04
Volatile Organics				
1,4-Dioxane	NA	ND(0.31)	ND(0.12)	NA
Acetone	NA	ND(0.063)	ND(0.023)	NA
Benzene	NA	0.097	ND(0.0058)	NA
Chlorobenzene	NA	0.20	ND(0.0058)	NA
Ethylbenzene	NA	ND(0.031)	ND(0.0058)	NA
Trichloroethene	NA	ND(0.031)	ND(0.0058)	NA
Xylenes (total)	NA	ND(0.031)	ND(0.0058)	NA
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.45) [ND(0.48)]	NA	ND(0.38)	ND(0.38)
1,2-Dichlorobenzene	ND(0.45) [ND(0.48)]	NA	ND(0.38)	ND(0.38)
1,3-Dichlorobenzene	ND(0.45) [ND(0.48)]	NA	ND(0.38)	ND(0.38)
1,4-Dichlorobenzene	0.13 J [0.28 J]	NA	ND(0.38)	ND(0.38)
2-Methylnaphthalene	0.33 J [0.17 J]	NA	1.6	ND(0.38)
Acenaphthene	ND(0.45) [ND(0.48)]	NA	1.6	ND(0.38)
Acenaphthylene	ND(0.45) [ND(0.48)]	NA	0.64	ND(0.38)
Aniline	ND(0.45) [ND(0.48)]	NA	ND(0.38)	ND(0.38)
Anthracene	ND(0.45) [ND(0.48)]	NA	2.2	ND(0.38)
Benzo(a)anthracene	0.11 J [0.10 J]	NA	2.0	ND(0.38)
Benzo(a)pyrene	0.15 J [ND(0.48)]	NA	0.79	ND(0.38)
Benzo(b)fluoranthene	ND(0.45) [ND(0.48)]	NA	0.70	ND(0.38)
Benzo(g,h,i)perylene	ND(0.45) [ND(0.48)]	NA	0.38 J	ND(0.38)
Benzo(k)fluoranthene	ND(0.45) [ND(0.48)]	NA	1.1	ND(0.38)
bis(2-Ethylhexyl)phthalate	ND(0.44) [ND(0.48)]	NA	ND(0.38)	ND(0.37)
Butylbenzylphthalate	ND(0.45) [ND(0.48)]	NA	ND(0.38)	ND(0.38)
Chrysene	0.13 J [0.13 J]	NA	2.2	0.093 J
Dibenzo(a,h)anthracene	ND(0.45) [ND(0.48)]	NA	0.11 J	ND(0.38)
Dibenzofuran	ND(0.45) [ND(0.48)]	NA	2.0	ND(0.38)
Fluoranthene	0.18 J [0.24 J]	NA	7.1	0.22 J
Fluorene	ND(0.45) [ND(0.48)]	NA	1.9	ND(0.38)
Indeno(1,2,3-cd)pyrene	ND(0.45) [ND(0.48)]	NA	0.36 J	ND(0.38)
Naphthalene	0.80 [0.36 J]	NA	3.7	ND(0.38)
N-Nitroso-di-n-propylamine	ND(0.45) [ND(0.48)]	NA	ND(0.38)	ND(0.38)
Phenanthrene	0.091 J [0.14 J]	NA	11	0.15 J
Phenol	ND(0.45) [ND(0.48)]	NA	ND(0.38)	ND(0.38)
Pyrene	0.15 J [0.19 J]	NA	4.9	0.18 J
Organochlorine Pesticides				
None Detected	NA	NA	--	--
Organophosphate Pesticides				
None Detected	NA	NA	--	--
Herbicides				
None Detected	NA	NA	--	--
Furans				
2,3,7,8-TCDF	0.0000042 Y [0.0000059 Y]	NA	0.0000078 Y	0.000021 Y
TCDFs (total)	0.000024 [0.000031]	NA	0.000056	0.00017
1,2,3,7,8-PeCDF	0.0000018 J [0.0000026 J]	NA	0.0000035 J	0.000011
2,3,4,7,8-PeCDF	0.0000047 J [0.0000055 J]	NA	0.0000064	0.000016
PeCDFs (total)	0.000042 [0.000051]	NA	0.00014	0.00022
1,2,3,4,7,8-HxCDF	0.0000078 [0.0000099]	NA	0.0000089	0.000025
1,2,3,6,7,8-HxCDF	0.0000030 J [0.0000048 J]	NA	0.0000072	0.000017
1,2,3,7,8,9-HxCDF	ND(0.0000022) [ND(0.0000047)]	NA	ND(0.00000043)	ND(0.00000062)
2,3,4,6,7,8-HxCDF	0.0000030 J [ND(0.0000039)]	NA	0.0000055 J	0.0000080
HxCDFs (total)	0.000044 [0.000049]	NA	0.00016	0.00022
1,2,3,4,6,7,8-HpCDF	0.0000096 [0.000012]	NA	0.000085	0.000062
1,2,3,4,7,8,9-HpCDF	0.0000032 J [ND(0.0000030)]	NA	0.0000036 J	0.000010

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-X12 6-15 09/30/04	RAA10-E-X12 8-10 09/30/04	RAA10-E-XX20 0-1 09/22/04	RAA10-E-XX20 6-12 09/22/04
HpCDFs (total)	0.000022 [0.000023]	NA	0.00017	0.00015
OCDF	0.000013 [0.000014]	NA	0.000062	0.000091
Dioxins				
2,3,7,8-TCDD	ND(0.0000014) [ND(0.0000012)]	NA	ND(0.00000024)	0.0000021
TCDDs (total)	ND(0.0000014) [ND(0.0000012)]	NA	0.00000077	0.0000074
1,2,3,7,8-PeCDD	ND(0.0000012) [ND(0.0000013)]	NA	ND(0.0000015)	ND(0.0000015)
PeCDDs (total)	ND(0.0000012) [0.0000019 J]	NA	0.0000033	0.0000030
1,2,3,4,7,8-HxCDD	ND(0.0000016) [ND(0.0000050)]	NA	ND(0.0000014)	ND(0.0000012)
1,2,3,6,7,8-HxCDD	ND(0.0000014) [ND(0.0000044)]	NA	0.0000050 J	0.0000038 J
1,2,3,7,8,9-HxCDD	ND(0.0000015) [ND(0.0000048)]	NA	ND(0.0000025)	ND(0.0000022)
HxCDDs (total)	ND(0.0000015) [ND(0.0000047)]	NA	0.000050	0.000032
1,2,3,4,6,7,8-HpCDD	0.0000019 J [ND(0.0000030)]	NA	0.000064	0.000055
HpCDDs (total)	0.0000019 J [ND(0.0000030)]	NA	0.00018	0.00011
OCDD	0.000020 [0.000017]	NA	0.00046	0.00043
Total TEQs (WHO TEFs)	0.0000060 [0.0000075]	NA	0.0000095	0.000020
Inorganics				
Antimony	1.20 B [1.60 B]	NA	ND(6.00)	2.60 B
Arsenic	2.20 [3.20]	NA	3.70	11.0
Barium	31.0 [51.0]	NA	29.0	32.0
Beryllium	0.250 B [0.300 B]	NA	0.240 B	0.120 B
Cadmium	0.400 B [0.550]	NA	0.0820 B	0.170 B
Chromium	20.0 [17.0]	NA	10.0	6.20
Cobalt	6.80 [10.0]	NA	5.90	3.80 B
Copper	18.0 [22.0]	NA	15.0	32.0
Cyanide	ND(0.270) [ND(0.290)]	NA	0.100 B	0.0810 B
Lead	18.0 [18.0]	NA	25.0	78.0
Mercury	0.0180 B [ND(0.140)]	NA	0.0380 B	0.110 B
Nickel	12.0 [17.0]	NA	11.0	8.10
Selenium	ND(1.00) [ND(1.10)]	NA	0.930 B	0.650 B
Silver	ND(1.00) [0.230 B]	NA	ND(1.00)	0.150 B
Sulfide	73.0 [100]	NA	13.0	110
Thallium	ND(1.30) [ND(1.40)]	NA	ND(1.20)	ND(1.10)
Tin	5.00 B [7.20 B]	NA	5.40 B	9.80 B
Vanadium	9.60 [11.0]	NA	10.0	10.0
Zinc	59.0 [70.0]	NA	53.0	46.0

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-XX20 10-12 09/22/04	RAA10-E-Y13 0-1 10/12/04	RAA10-E-Z6 1-3 10/13/04	RAA10-E-Z6 3-5 10/13/04	RAA10-E-Z6 3-6 10/13/04
Volatile Organics					
1,4-Dioxane	ND(0.12)	ND(0.11)	ND(0.11)	ND(0.11)	NA
Acetone	0.0098 J	ND(0.022)	ND(0.022)	ND(0.022)	NA
Benzene	ND(0.0059)	ND(0.0056)	ND(0.0054)	ND(0.0056)	NA
Chlorobenzene	ND(0.0059)	ND(0.0056)	ND(0.0054)	ND(0.0056)	NA
Ethylbenzene	ND(0.0059)	ND(0.0056)	ND(0.0054)	ND(0.0056)	NA
Trichloroethene	ND(0.0059)	ND(0.0056)	ND(0.0054)	ND(0.0056)	NA
Xylenes (total)	ND(0.0059)	ND(0.0056)	ND(0.0054)	ND(0.0056)	NA
Semivolatile Organics					
1,2,4-Trichlorobenzene	NA	0.12 J	ND(0.36)	NA	ND(0.39)
1,2-Dichlorobenzene	NA	ND(0.37)	ND(0.36)	NA	ND(0.39)
1,3-Dichlorobenzene	NA	ND(0.37)	ND(0.36)	NA	ND(0.39)
1,4-Dichlorobenzene	NA	ND(0.37)	ND(0.36)	NA	ND(0.39)
2-Methylnaphthalene	NA	ND(0.37)	ND(0.36)	NA	0.85
Acenaphthene	NA	ND(0.37)	ND(0.36)	NA	2.9
Acenaphthylene	NA	ND(0.37)	ND(0.36)	NA	1.6
Aniline	NA	ND(0.37)	ND(0.36)	NA	ND(0.39)
Anthracene	NA	0.13 J	ND(0.36)	NA	4.6
Benzo(a)anthracene	NA	0.44	ND(0.36)	NA	3.3
Benzo(a)pyrene	NA	0.33 J	ND(0.36)	NA	1.7
Benzo(b)fluoranthene	NA	0.16 J	ND(0.36)	NA	1.0
Benzo(g,h,i)perylene	NA	0.19 J	ND(0.36)	NA	0.89
Benzo(k)fluoranthene	NA	0.42	ND(0.36)	NA	1.7
bis(2-Ethylhexyl)phthalate	NA	ND(0.37)	ND(0.36)	NA	ND(0.38)
Butylbenzylphthalate	NA	ND(0.37)	ND(0.36)	NA	ND(0.39)
Chrysene	NA	0.49	ND(0.36)	NA	3.7
Dibenzo(a,h)anthracene	NA	ND(0.37)	ND(0.36)	NA	0.27 J
Dibenzofuran	NA	ND(0.37)	ND(0.36)	NA	2.2
Fluoranthene	NA	0.95	ND(0.36)	NA	10
Fluorene	NA	ND(0.37)	ND(0.36)	NA	5.2
Indeno(1,2,3-cd)pyrene	NA	0.11 J	ND(0.36)	NA	0.68
Naphthalene	NA	ND(0.37)	ND(0.36)	NA	2.4
N-Nitroso-di-n-propylamine	NA	0.24 J	ND(0.36)	NA	ND(0.39)
Phenanthrene	NA	0.30 J	ND(0.36)	NA	17
Phenol	NA	ND(0.37)	ND(0.36)	NA	ND(0.39)
Pyrene	NA	0.83	0.073 J	NA	10
Organochlorine Pesticides					
None Detected	NA	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	NA	NA	NA	NA	NA
Herbicides					
None Detected	NA	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	NA	0.00013 Y	0.00000046 J	NA	0.000056 Y
TCDFs (total)	NA	0.00077 Q	0.0000048	NA	0.00061 Q
1,2,3,7,8-PeCDF	NA	0.00012	ND(0.00000052)	NA	0.000042 Q
2,3,4,7,8-PeCDF	NA	0.00016	0.0000022 J	NA	0.000094 Q
PeCDFs (total)	NA	0.00072 Q	0.000017	NA	0.00097 QI
1,2,3,4,7,8-HxCDF	NA	0.00021	0.0000011 J	NA	0.00016
1,2,3,6,7,8-HxCDF	NA	0.000065	0.00000070 J	NA	0.00010
1,2,3,7,8,9-HxCDF	NA	0.000038 Q	ND(0.00000079)	NA	0.000029 Q
2,3,4,6,7,8-HxCDF	NA	0.000067	0.0000010 J	NA	0.00022
HxCDFs (total)	NA	0.0010 Q	0.000014	NA	0.0027 Q
1,2,3,4,6,7,8-HpCDF	NA	0.00014	0.0000023 J	NA	0.00034
1,2,3,4,7,8,9-HpCDF	NA	0.000066	ND(0.00000052)	NA	0.000058

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

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

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-E-XX20 10-12 09/22/04	RAA10-E-Y13 0-1 10/12/04	RAA10-E-Z6 1-3 10/13/04	RAA10-E-Z6 3-5 10/13/04	RAA10-E-Z6 3-6 10/13/04
HpCDFs (total)		NA	0.00033	0.0000046 J	NA	0.00089
OCDF		NA	0.00024	0.0000024 J	NA	0.00030
Dioxins						
2,3,7,8-TCDD		NA	0.00000071 J	ND(0.00000027)	NA	0.00000073 J
TCDDs (total)		NA	0.0000088 Q	ND(0.00000060)	NA	0.000023 Q
1,2,3,7,8-PeCDD		NA	0.0000033 J	ND(0.00000052)	NA	0.0000051 J
PeCDDs (total)		NA	0.0000084 Q	ND(0.00000052)	NA	0.000049 Q
1,2,3,4,7,8-HxCDD		NA	0.0000023 J	ND(0.00000055)	NA	ND(0.0000061) X
1,2,3,6,7,8-HxCDD		NA	0.0000055	0.00000054 J	NA	0.0000086
1,2,3,7,8,9-HxCDD		NA	0.0000044 J	ND(0.00000053)	NA	0.0000063
HxCDDs (total)		NA	0.000067	0.0000012 J	NA	0.00010 Q
1,2,3,4,6,7,8-HpCDD		NA	0.000026	0.0000020 J	NA	0.000062
HpCDDs (total)		NA	0.000053	0.0000035 J	NA	0.00014
OCDD		NA	0.00015	0.000013	NA	0.00055
Total TEQs (WHO TEFs)		NA	0.00014	0.0000020	NA	0.00012
Inorganics						
Antimony		NA	ND(6.00)	ND(6.00)	NA	0.930 B
Arsenic		NA	2.80	2.70	NA	3.20
Barium		NA	24.0	18.0 B	NA	41.0
Beryllium		NA	0.170 B	0.100 B	NA	0.190 B
Cadmium		NA	ND(0.500)	ND(0.500)	NA	0.130 B
Chromium		NA	5.90	3.30	NA	5.00
Cobalt		NA	4.00 B	3.80 B	NA	4.80 B
Copper		NA	23.0	9.70	NA	25.0
Cyanide		NA	ND(0.220)	0.0340 B	NA	0.0710 B
Lead		NA	12.0	8.70	NA	25.0
Mercury		NA	0.0530 B	ND(0.110)	NA	0.0810 B
Nickel		NA	8.70	7.50	NA	8.00
Selenium		NA	ND(1.00)	0.950 B	NA	1.00
Silver		NA	ND(1.00)	ND(1.00)	NA	ND(1.00)
Sulfide		NA	12.0	10.0	NA	110
Thallium		NA	ND(1.10)	ND(1.10)	NA	ND(1.20)
Tin		NA	7.50 B	3.40 B	NA	5.30 B
Vanadium		NA	6.10	3.20 B	NA	5.20
Zinc		NA	31.0	19.0	NA	39.0

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-Z10 0-1 10/04/04	RAA10-E-Z12 0-1 10/13/04	RAA10-E-Z12 1-3 10/13/04	RAA10-E-ZZ22 0-1 10/05/04
Volatile Organics				
1,4-Dioxane	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)
Acetone	ND(0.021)	ND(0.021)	ND(0.022)	0.011 J
Benzene	ND(0.0053)	ND(0.0054)	ND(0.0055)	ND(0.0056)
Chlorobenzene	ND(0.0053)	ND(0.0054)	ND(0.0055)	ND(0.0056)
Ethylbenzene	ND(0.0053)	ND(0.0054)	ND(0.0055)	ND(0.0056)
Trichloroethene	ND(0.0053)	ND(0.0054)	ND(0.0055)	ND(0.0056)
Xylenes (total)	ND(0.0053)	ND(0.0054)	ND(0.0055)	ND(0.0056)
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.36)	0.12 J	0.34 J	ND(0.37)
1,2-Dichlorobenzene	ND(0.36)	ND(0.36)	ND(0.48)	ND(0.37)
1,3-Dichlorobenzene	ND(0.36)	ND(0.36)	ND(0.48)	ND(0.37)
1,4-Dichlorobenzene	ND(0.36)	ND(0.36)	ND(0.48)	ND(0.37)
2-Methylnaphthalene	ND(0.36)	0.50	ND(0.48)	ND(0.37)
Acenaphthene	ND(0.36)	1.6	0.17 J	ND(0.37)
Acenaphthylene	ND(0.36)	0.96	0.17 J	0.10 J
Aniline	ND(0.36)	ND(0.36)	ND(0.48)	ND(0.37)
Anthracene	ND(0.36)	4.2	0.37 J	0.10 J
Benzo(a)anthracene	ND(0.36)	6.0	0.59	0.12 J
Benzo(a)pyrene	ND(0.36)	2.8	0.36 J	0.091 J
Benzo(b)fluoranthene	ND(0.36)	2.3	0.27 J	0.11 J
Benzo(g,h,i)perylene	ND(0.36)	1.6	0.24 J	0.076 J
Benzo(k)fluoranthene	ND(0.36)	2.6	0.34 J	0.16 J
bis(2-Ethylhexyl)phthalate	ND(0.35)	ND(0.35)	ND(0.36)	ND(0.37)
Butylbenzylphthalate	ND(0.36)	ND(0.36)	ND(0.48)	ND(0.37)
Chrysene	ND(0.36)	5.7	0.65	0.17 J
Dibenzo(a,h)anthracene	ND(0.36)	0.62	ND(0.48)	ND(0.37)
Dibenzofuran	ND(0.36)	1.3	0.11 J	ND(0.37)
Fluoranthene	ND(0.36)	15	1.3	0.24 J
Fluorene	ND(0.36)	1.8	0.20 J	ND(0.37)
Indeno(1,2,3-cd)pyrene	ND(0.36)	1.4	0.20 J	ND(0.37)
Naphthalene	ND(0.36)	0.63	ND(0.48)	ND(0.37)
N-Nitroso-di-n-propylamine	ND(0.36)	ND(0.36)	ND(0.48)	ND(0.37)
Phenanthrene	ND(0.36)	15	1.1	0.099 J
Phenol	ND(0.36)	ND(0.36)	ND(0.48)	ND(0.37)
Pyrene	ND(0.36)	12	1.1	0.21 J
Organochlorine Pesticides				
None Detected	NA	NA	NA	--
Organophosphate Pesticides				
None Detected	NA	NA	NA	--
Herbicides				
None Detected	NA	NA	NA	--
Furans				
2,3,7,8-TCDF	ND(0.00000055) X	0.000060 Y	0.000047 Y	0.00000096 J
TCDFs (total)	0.00000070 J	0.0050 QI	0.00060 QI	0.0000040
1,2,3,7,8-PeCDF	ND(0.00000050)	0.00010 Q	0.000054 Q	ND(0.00000076)
2,3,4,7,8-PeCDF	ND(0.00000050)	0.00069 Q	0.00011 Q	0.0000013 J
PeCDFs (total)	0.0000026 J	0.0026 QI	0.0013 QI	0.0000082 Q
1,2,3,4,7,8-HxCDF	ND(0.00000076)	0.00072	0.00037	ND(0.0000012)
1,2,3,6,7,8-HxCDF	ND(0.00000067)	0.00027	0.00012	ND(0.0000011)
1,2,3,7,8,9-HxCDF	ND(0.00000088)	0.00012 Q	0.000032 Q	ND(0.0000014)
2,3,4,6,7,8-HxCDF	ND(0.00000072)	0.00045	0.00011	ND(0.0000012)
HxCDFs (total)	0.00000091 J	0.0053 Q	0.0021 Q	0.000011
1,2,3,4,6,7,8-HpCDF	0.00000081 J	0.00049	0.00034	0.0000059
1,2,3,4,7,8,9-HpCDF	ND(0.00000077)	0.00022	0.00013	ND(0.0000012)

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-Z10 0-1 10/04/04	RAA10-E-Z12 0-1 10/13/04	RAA10-E-Z12 1-3 10/13/04	RAA10-E-ZZ22 0-1 10/05/04
HpCDFs (total)	0.0000016 J	0.0013	0.00081	0.000016
OCDF	ND(0.0000013)	0.00067	0.00071	0.000013
Dioxins				
2,3,7,8-TCDD	ND(0.00000056)	0.000015	0.0000013 J	ND(0.00000055)
TCDDs (total)	ND(0.00000056)	0.00069 Q	0.000073	ND(0.00000055)
1,2,3,7,8-PeCDD	ND(0.00000052)	0.00012 Q	0.000015	ND(0.00000099)
PeCDDs (total)	ND(0.00000071)	0.00082 Q	0.00014 Q	ND(0.00000099)
1,2,3,4,7,8-HxCDD	ND(0.0000011)	0.000054	0.0000089	ND(0.0000013)
1,2,3,6,7,8-HxCDD	ND(0.00000095)	0.00020	0.000016	0.0000014 J
1,2,3,7,8,9-HxCDD	ND(0.0000010)	0.00011	0.000010	ND(0.0000013)
HxCDDs (total)	ND(0.0000010)	0.0018	0.00022 Q	0.000012
1,2,3,4,6,7,8-HpCDD	ND(0.00000088) X	0.00037	0.000053	0.000025
HpCDDs (total)	ND(0.00000071)	0.00082	0.00012	0.000078
OCDD	0.0000052 J	0.00048	0.00014	0.00024
Total TEQs (WHO TEFs)	0.0000010	0.00069	0.00015	0.0000024
Inorganics				
Antimony	1.80 B	ND(6.00)	ND(6.00)	1.50 B
Arsenic	2.90	4.30	4.20	5.10
Barium	19.0 B	32.0	28.0	18.0 B
Beryllium	0.160 B	0.160 B	0.150 B	0.150 B
Cadmium	0.170 B	0.300 B	0.150 B	ND(0.500)
Chromium	4.40	5.40	6.60	5.30
Cobalt	4.60 B	4.10 B	5.30	4.70 B
Copper	13.0	21.0	33.0	24.0
Cyanide	0.0300 B	ND(0.110)	0.0800 B	0.0470 B
Lead	4.90	22.0	35.0	22.0
Mercury	ND(0.110)	0.0500 B	0.200	0.0100 B
Nickel	7.30	9.00	10.0	8.80
Selenium	ND(1.00)	0.800 B	0.830 B	0.810 B
Silver	ND(1.00)	0.190 B	ND(1.00)	ND(1.00)
Sulfide	5.10 B	610	16.0	20.0
Thallium	ND(1.10)	ND(1.10)	1.20	ND(1.10)
Tin	3.20 B	4.20 B	4.70 B	5.30 B
Vanadium	7.60	7.50	7.20	6.40
Zinc	26.0	51.0	48.0	30.0

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

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-ZZ22 1-3 10/05/04	RAA10-E-ZZ22 6-8 10/05/04	RAA10-E-ZZ22 6-15 10/05/04
Volatile Organics			
1,4-Dioxane	ND(0.11)	ND(0.12)	NA
Acetone	0.0088 J	0.021 J	NA
Benzene	ND(0.0056)	ND(0.0058)	NA
Chlorobenzene	ND(0.0056)	ND(0.0058)	NA
Ethylbenzene	ND(0.0056)	ND(0.0058)	NA
Trichloroethene	ND(0.0056)	ND(0.0058)	NA
Xylenes (total)	ND(0.0056)	ND(0.0058)	NA
Semivolatile Organics			
1,2,4-Trichlorobenzene	ND(0.37)	NA	ND(0.39)
1,2-Dichlorobenzene	ND(0.37)	NA	ND(0.39)
1,3-Dichlorobenzene	ND(0.37)	NA	ND(0.39)
1,4-Dichlorobenzene	ND(0.37)	NA	ND(0.39)
2-Methylnaphthalene	0.15 J	NA	ND(0.39)
Acenaphthene	ND(0.37)	NA	ND(0.39)
Acenaphthylene	0.31 J	NA	ND(0.39)
Aniline	ND(0.37)	NA	ND(0.39)
Anthracene	0.33 J	NA	ND(0.39)
Benzo(a)anthracene	0.41	NA	0.093 J
Benzo(a)pyrene	0.28 J	NA	ND(0.39)
Benzo(b)fluoranthene	0.33 J	NA	ND(0.39)
Benzo(g,h,i)perylene	0.19 J	NA	ND(0.39)
Benzo(k)fluoranthene	0.41	NA	ND(0.39)
bis(2-Ethylhexyl)phthalate	ND(0.37)	NA	ND(0.39)
Butylbenzylphthalate	ND(0.37)	NA	ND(0.39)
Chrysene	0.53	NA	0.096 J
Dibenzo(a,h)anthracene	ND(0.37)	NA	ND(0.39)
Dibenzofuran	0.12 J	NA	ND(0.39)
Fluoranthene	0.88	NA	0.20 J
Fluorene	ND(0.37)	NA	ND(0.39)
Indeno(1,2,3-cd)pyrene	0.17 J	NA	ND(0.39)
Naphthalene	0.19 J	NA	ND(0.39)
N-Nitroso-di-n-propylamine	ND(0.37)	NA	ND(0.39)
Phenanthrene	0.34 J	NA	0.11 J
Phenol	ND(0.37)	NA	ND(0.39)
Pyrene	0.77	NA	0.18 J
Organochlorine Pesticides			
None Detected	--	NA	NA
Organophosphate Pesticides			
None Detected	--	NA	NA
Herbicides			
None Detected	--	NA	NA
Furans			
2,3,7,8-TCDF	0.0000032 Y	NA	NA
TCDFs (total)	0.000032 Q	NA	NA
1,2,3,7,8-PeCDF	0.00000098 J	NA	NA
2,3,4,7,8-PeCDF	0.0000056	NA	NA
PeCDFs (total)	0.000049 Q	NA	NA
1,2,3,4,7,8-HxCDF	0.0000024 J	NA	NA
1,2,3,6,7,8-HxCDF	0.0000020 J	NA	NA
1,2,3,7,8,9-HxCDF	ND(0.0000012)	NA	NA
2,3,4,6,7,8-HxCDF	0.0000036 J	NA	NA
HxCDFs (total)	0.000057	NA	NA
1,2,3,4,6,7,8-HpCDF	0.000024	NA	NA
1,2,3,4,7,8,9-HpCDF	0.0000018 J	NA	NA

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

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

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-E-ZZ22 1-3 10/05/04	RAA10-E-ZZ22 6-8 10/05/04	RAA10-E-ZZ22 6-15 10/05/04
HpCDFs (total)		0.000083	NA	NA
OCDF		0.000084	NA	NA
Dioxins				
2,3,7,8-TCDD		0.00000064 J	NA	NA
TCDDs (total)		0.0000012 J	NA	NA
1,2,3,7,8-PeCDD		ND(0.00000073) X	NA	NA
PeCDDs (total)		0.0000068 Q	NA	NA
1,2,3,4,7,8-HxCDD		0.0000013 J	NA	NA
1,2,3,6,7,8-HxCDD		0.0000044 J	NA	NA
1,2,3,7,8,9-HxCDD		0.0000026 J	NA	NA
HxCDDs (total)		0.00012	NA	NA
1,2,3,4,6,7,8-HpCDD		0.00021	NA	NA
HpCDDs (total)		0.0010	NA	NA
OCDD		0.0021	NA	NA
Total TEQs (WHO TEFs)		0.0000084	NA	NA
Inorganics				
Antimony		2.50 B	NA	ND(6.00)
Arsenic		20.0	NA	4.60
Barium		30.0	NA	34.0
Beryllium		0.230 B	NA	0.280 B
Cadmium		ND(0.500)	NA	0.110 B
Chromium		9.90	NA	24.0
Cobalt		6.00	NA	6.50
Copper		52.0	NA	18.0
Cyanide		0.0980 B	NA	0.0860 B
Lead		51.0	NA	25.0
Mercury		0.0890 B	NA	0.110 B
Nickel		11.0	NA	12.0
Selenium		1.40	NA	0.790 B
Silver		ND(1.00)	NA	ND(1.00)
Sulfide		25.0	NA	24.0
Thallium		1.60	NA	ND(1.20)
Tin		9.10 B	NA	4.90 B
Vanadium		11.0	NA	9.60
Zinc		39.0	NA	49.0

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

PRE-DESIGN SOIL INVESTIGATION SAMPLING
UNKAMET BROOK AREA
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 SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
5. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
6. -- Indicates that all constituents for the parameter group were not detected.
7. Field duplicate sample results are presented in brackets.

Data Qualifiers:

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

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

Inorganics

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

TABLE 7-4
PCB DATA RECEIVED DURING OCTOBER 2004

BEAVER DAM DEBRIS ROLL-OFF SAMPLING
UNKAMET BROOK AREA
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
ROLLOFF#3018-BD-1	10/4/2004	ND(0.33)	14	5.8	19.8
ROLLOFF#3018-BD-2	10/4/2004	ND(0.33)	6.3	1.9	8.2
ROLLOFF#3018-BD-3	10/4/2004	ND(0.17)	2.6	1.1	3.7

Notes:

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

TABLE 7-5
DATA RECEIVED DURING OCTOBER 2004

SOIL BORING DRUM WATER SAMPLING
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-B1316-WATER-1 10/21/04
Volatile Organics	
Benzene	0.53
Chlorobenzene	3.0
Toluene	0.076 J
PCBs-Unfiltered	
Aroclor-1254	0.00011
Aroclor-1260	0.000064 J
Total PCBs	0.000174
Semivolatile Organics	
1,2-Dichlorobenzene	0.0063 J
1,4-Dichlorobenzene	0.0091 J
3&4-Methylphenol	0.028
Naphthalene	0.0039 J
Phenol	0.016
Inorganics-Unfiltered	
Barium	0.0470
Chromium	0.00350 B
Lead	0.00580

Notes:

1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles and metals.
2. Only detected constituents are summarized.
3. - Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics

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

Inorganics

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

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

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

a. Activities Undertaken/Completed

Continued preparation of letter report on additional supplemental soil sampling.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted letter report on additional supplemental soil sampling (October 29, 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 9
LYMAN STREET AREA
(GECD430)
OCTOBER 2004

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

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

f. Proposed/Approved Work Plan Modifications

None

ITEM 10
NEWELL STREET AREA I
(GECD440)
OCTOBER 2004

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

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

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

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

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

f. Proposed/Approved Work Plan Modifications

None

ITEM 11
NEWELL STREET AREA II
(GECD450)
OCTOBER 2004

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

a. Activities Undertaken/Completed

Attended technical meeting with EPA (October 13, 2004).

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Awaiting EPA review of Conceptual RD/RA Work Plan (submitted on July 16, 2004).

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)
OCTOBER 2004

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

a. Activities Undertaken/Completed

Initiate preparation of additional supplemental soil sampling letter report.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Submit letter report on additional supplemental sampling (due on or before November 26, 2004).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

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

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

a. Activities Undertaken/Completed

Performed repairs at bank erosion locations identified in Spring 2004 Bank Erosion Inspection Trip Report dated September 15, 2004.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Conduct seepage meter monitoring when water levels allow.

- Submit Restored Bank Vegetation and Aquatic Habitat Structures Inspection Report for Fall 2004 by mid-November 2004.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

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

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

f. Proposed/Approved Work Plan Modifications

None

ITEM 14
HOUSATONIC RIVER AREA
1½-MILE REACH
(GECD820)
OCTOBER 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 October 28, 2004, BBL (on GE's behalf) performed a round of water column monitoring at nine locations along the Housatonic River between Coltsville, MA and Great Barrington, MA. Two of these locations are situated in the 1½-Mile Reach: Lyman Street Bridge (Location 4) and Pomeroy Avenue Bridge (Location 6A). A composite grab sample was collected at each location and submitted to Northeast Analytical for analysis of PCBs (total), TSS, POC, and chlorophyll-a (see Table 14-1). (The other seven locations are discussed under Item 15 below.)

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

Continue Housatonic River monthly water column monitoring.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 14-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING OCTOBER 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	9/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	10/8/04
Monthly Water Column Sampling	Location-4	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-6A	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-6A	9/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	10/8/04

TABLE 14-2
SAMPLE DATA RECEIVED DURING OCTOBER 2004

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

Sample ID	Location	Date Collected	Aroclor-1016, -1221, -1232, -1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
LOCATION-4	Lyman Street Bridge	9/23/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.437	1.70	0.00050
LOCATION-6A	Pomeroy Ave. Bridge	9/23/2004	ND(0.0000220)	0.000440 PE	0.000610 AF	0.00150	0.00255	2.86	141	0.0025

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. for analysis of unfiltered PCBs, total suspended solids (TSS), particulate organic carbon (POC), and chlorophyll (a).
2. Sampling methods involved the collection of composite grab samples at each location, representative of three stations (25, 50, and 75 percent of the total river width at each location) at 50 percent of the total river depth at each station.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
5. PE - Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported.

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

a. Activities Undertaken/Completed

- On October 28, 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 October 28, 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).

- On October 22, 2004, BBL (on GE's behalf) forwarded laboratory analytical data sheets to MDEP for Morewood Lake fish samples collected on September 27, 2004.

- Fish sampling in the Housatonic River for young-of-year (YOY) largemouth bass, yellow perch, and bluegill/pumpkinseed was performed on October 11-14, 2004. In total, 37 samples were collected using a boat electrofisher and submitted to EnChem Labs, Inc. for analysis of PCB Aroclors and percent lipids in whole-body composite samples (minimum of five fish per sample).

b. Sampling/Test Results

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

- Continue Housatonic River monthly water column monitoring.

- Prepare and submit to MDEP a brief letter report summarizing the Morewood Lake fish sampling effort and analytical data.

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

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

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

- Conduct bi-annual structural integrity inspection of Woods Pond Dam (anticipated in November 2004).

- Conduct dam assessment training (anticipated in November 2004).

- Upon receipt of EPA's revised Ecological Risk Assessment, begin review of same.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Ongoing issues relating to EPA's risk assessments.*

f. Proposed/Approved Work Plan Modifications

None

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

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

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

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
2004 Housatonic River YOY Sampling	HR2-YP-36	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR2-YP-37	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR2-YP-38	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR2-YP-39	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-BG-30	9/30/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-BG-31	10/14/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-BG-32	10/14/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-LB-36	9/30/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-LB-37	9/30/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-LB-38	9/30/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-LB-39	10/14/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-LB-40	10/14/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-LB-41	10/14/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-LB-42	10/14/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-PK-06	10/14/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-PK-07	10/14/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-PK-08	10/14/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-PK-09	10/14/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-YP-33	9/30/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-YP-34	9/30/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-YP-35	9/30/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-YP-36	9/30/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-YP-37	9/30/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-YP-38	9/30/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	HR6-YP-39	9/30/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-BG-36	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-BG-37	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-BG-38	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-BG-39	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-BG-40	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-BG-41	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-BG-42	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-LB-36	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-LB-37	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-LB-38	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-LB-39	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-LB-40	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-LB-41	9/29/04	Biota	EnChem	PCB , %Lipid	

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
2004 Housatonic River YOY Sampling	WP-LB-42	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-YP-31	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-YP-32	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-YP-33	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-YP-34	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-YP-35	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-YP-36	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Housatonic River YOY Sampling	WP-YP-37	9/29/04	Biota	EnChem	PCB , %Lipid	
2004 Morewood Lake Fish Sampling	ML-BG-1	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-BG-10	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-BG-2	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-BG-3	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-BG-4	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-BG-5	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-BG-6	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-BG-7	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-BG-8	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-BG-9	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-LB-1	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-LB-10	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-LB-2	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-LB-3	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-LB-4	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-LB-5	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-LB-6	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-LB-7	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-LB-8	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
2004 Morewood Lake Fish Sampling	ML-LB-9	9/27/04	Biota	NEA	PCB, %Lipids	10/19/04
Monthly Water Column Sampling	HR-D1 (Location-12)	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	HR-D1 (Location-12)	9/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	10/8/04
Monthly Water Column Sampling	Location-1	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-1	9/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	10/8/04
Monthly Water Column Sampling	Location-10	9/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	10/8/04
Monthly Water Column Sampling	Location-10	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-12	9/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	10/8/04
Monthly Water Column Sampling	Location-12	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-13	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-13	9/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	10/8/04

TABLE 15-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING OCTOBER 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 Sampling	Location-2	9/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	10/8/04
Monthly Water Column Sampling	Location-2	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-7	9/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	10/8/04
Monthly Water Column Sampling	Location-7	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-9	9/23/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	10/8/04
Monthly Water Column Sampling	Location-9	10/28/04	Water	NEA	PCB, TSS, POC, Chlorophyll-A	

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

TABLE 15-2
SAMPLE DATA RECEIVED DURING OCTOBER 2004

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

Sample ID	Location	Date Collected	Aroclor-1016, -1221, -1232, -1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
LOCATION-1	Hubbard Ave. Bridge	9/23/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.454	1.70	0.00040
LOCATION-2	Newell Street Bridge	9/23/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.453	2.00	0.00040
LOCATION-7	Holmes Rd. Bridge	9/23/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.426	3.30	0.0014
LOCATION-9	New Lenox Rd. Bridge	9/23/2004	ND(0.0000220)	0.0000280 PE	0.0000490 AF	0.0000910	0.000168	0.542	3.90	0.0010
LOCATION-10	Headwaters of Woods Pond	9/23/2004	ND(0.0000220)	0.0000450 PE	0.0000680 AF	0.000130	0.000243	0.625	3.90	0.0013
LOCATION-12	Schweitzer Bridge	9/23/2004	ND(0.0000220)	0.0000310 PE	0.0000440 AF	0.0000810	0.000156	0.412	2.20	0.0017
		9/23/2004	[ND(0.0000220)]	[0.0000270 PE]	[0.0000400 AF]	[0.0000760]	[0.000143]	[0.259]	[2.20]	[0.0015]
LOCATION-13	Division St. Bridge	9/23/2004	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.0000480	0.0000480	0.570	4.60	0.0010

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. for analysis of unfiltered PCBs, total suspended solids (TSS), particulate organic carbon (POC), and chlorophyll (a).
2. Sampling methods involved the collection of composite grab samples at each location, representative of three stations (25, 50, and 75 percent of the total river width at each location) at 50 percent of the total river depth at each station.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
5. PE - Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported.
6. Field duplicate sample results are presented in brackets.

TABLE 15-3
PCB AND PERCENT LIPIDS DATA RECEIVED DURING OCTOBER 2004

2004 MOREWOOD LAKE FISH SAMPLING
HOUSATONIC RIVER - REST OF RIVER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample ID	Date Collected	Species	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs	Percent Lipids (%)
ML-BG-1	9/27/2004	Bluegill	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	3.8 AG	3.8	0.849
ML-BG-2	9/27/2004	Bluegill	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	0.16 AG	0.16	0.579
ML-BG-3	9/27/2004	Bluegill	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.23 PE	ND(0.054)	1.2 AG	1.43	0.512
ML-BG-4	9/27/2004	Bluegill	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	0.20 AG	0.20	0.550
ML-BG-5	9/27/2004	Bluegill	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.28 AG	0.28	0.597
ML-BG-6	9/27/2004	Bluegill	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.57 AG	0.57	0.545
ML-BG-7	9/27/2004	Bluegill	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.36 AG	0.36	0.452
ML-BG-8	9/27/2004	Bluegill	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.41 AG	0.41	0.398
ML-BG-9	9/27/2004	Bluegill	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	0.30 AG	0.30	0.467
ML-BG-10	9/27/2004	Bluegill	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	0.277
ML-LB-1	9/27/2004	Largemouth Bass	ND(0.54)	ND(0.54)	ND(0.54)	ND(0.54)	0.74 PE	ND(0.54)	17 AG	17.7	0.487
ML-LB-2	9/27/2004	Largemouth Bass	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	4.6 AG	4.6	0.686
ML-LB-3	9/27/2004	Largemouth Bass	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	1.7 AG	1.7	0.568
ML-LB-4	9/27/2004	Largemouth Bass	ND(0.54)	ND(0.54)	ND(0.54)	ND(0.54)	0.85 PE	ND(0.54)	17 AG	17.9	0.998
ML-LB-5	9/27/2004	Largemouth Bass	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	5.7 AG	5.7	0.408
ML-LB-6	9/27/2004	Largemouth Bass	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.1 PE	ND(1.0)	27 AG	28.1	1.28
ML-LB-7	9/27/2004	Largemouth Bass	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	1.8 AG	1.8	0.514
ML-LB-8	9/27/2004	Largemouth Bass	ND(0.54)	ND(0.54)	ND(0.54)	ND(0.54)	0.64 PE	ND(0.54)	14 AG	14.6	1.41
ML-LB-9	9/27/2004	Largemouth Bass	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.37 AG	0.37	0.702
ML-LB-10	9/27/2004	Largemouth Bass	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.90 AG	0.90	0.532

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Northeast Analytical, Inc. for analysis of PCBs and % Lipids.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
4. PE - Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported.

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

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

a. Activities Undertaken/Completed

Attended technical meeting with EPA (October 13, 2004).

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted Interim Pre-Design Investigation Report Addendum for Phase 3 Floodplain Properties, Groups 3A, 3B, 3C, and 3D (October 21, 2004).

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

- Conduct additional sampling at Phase 3 floodplain properties (per EPA conditional approval letter of November 3, 2004).

- Awaiting EPA review of Pre-Design Investigation Work Plan Addendum for Phase 4 Group 4A Properties; then submit a Pre-Design Investigation Work Plan Addendum for Phase 4 Groups 4B and 4C properties.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

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

f. Proposed/Approved Work Plan Modifications

None

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

None

e. General Progress/Unresolved Issues/Potential Schedule Impacts

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

f. Proposed/Approved Work Plan Modifications

None

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

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

a. Activities Undertaken/Completed

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

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled Activities (next six weeks)

- Continue water-level monitoring at well pairs surrounding the lake.
- Initiate supplemental pre-design investigation activities for sediments within 30 days after EPA approval of GE's September 15, 2004 letter proposal.
- Submit Bench-Scale Pilot Study Work Plan for Silver Lake Sediments within 30 days of EPA's approval of GE's September 15, 2004 letter proposal.
- Awaiting EPA review of GE's September 29, 2004 Interim Pre-Design Investigation Report for Soils Adjacent to Silver Lake.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

See Item 20.d.

f. Proposed/Approved Work Plan Modifications

None

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

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

a. Activities Undertaken/Completed

General

- Conducted semi-annual groundwater elevation and NAPL monitoring.

- Conducted fall 2004 interim groundwater quality sampling activities.

East Street Area 1-North and South:

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

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

- Developed new well GMA1-18.

East Street Area 2-South:

- Continued automated groundwater and LNAPL removal activities. A total of approximately 5,636,712 gallons of groundwater was recovered from pumping systems 64R, 64S, 64V, 64X, RW-1(S), RW-1(X), and RW-2(X). In addition, approximately 1,425 gallons of LNAPL were removed from pumping systems 64R, 64V, RW-1(S), RW-1(X), 64X, and 64S Caisson.

- Continued automated DNAPL removal activities. Removed approximately 52 gallons of DNAPL from pumping system RW-3(X).

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

- Treated/discharged 6,358,231 gallons of water through 64G Groundwater Treatment Facility.

East Street Area 2-North:

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

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

a. Activities Undertaken/Completed (cont'd)

20s, 30s, and 40s Complexes:

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

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

Lyman Street Area:

- Continued automated groundwater and NAPL removal activities. No NAPL was recovered from the automated systems.

- Continued routine well monitoring and manual NAPL removal activities and conducted semi-annual bailing round at all wells that contained NAPL in 2003. Approximately 0.73 liter (0.19 gallon) of LNAPL was removed from wells in this area.

Newell Street Area II:

- Continued automated DNAPL recovery, with the collection of approximately 89.2 gallons of DNAPL from the automated collection systems.

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

Silver Lake:

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

b. Sampling/Test Results Received

- See attached tables.

- Preliminary analytical results received in October 2004 from the fall 2004 GMA 1 interim groundwater quality monitoring activities are shown in Table 21-2. These preliminary results have been compared to the applicable Method 1 GW-2 and GW-3 groundwater standards and UCLs for groundwater set forth in the MCP. None of the groundwater sample results received in October 2004 were at levels above the applicable Method 1 standards or UCLs.

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

c. Work Plans/Reports/Documents Submitted

None

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

- Continue routine monitoring activities.
- Conduct semi-annual riverbank inspection.
- Possibly install two soil borings downgradient of wells GMA1-15 and GMA1-16 upon EPA approval (see Item 21.f below).
- Submit a proposal for abandonment of Building 43 elevator shaft.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Well GMA1-2 was found to be dry and was therefore unable to be sampled.

f. Proposed/Approved Work Plan Modifications

GE's *NAPL Monitoring Report for Fall 2003* contained a number of proposed modifications to the NAPL monitoring/recovery program at this GMA. These included a proposal to install two soil borings downgradient of wells GMA1-15 and GMA1-16 within one 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
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING OCTOBER 2004

GROUNDWATER MANAGEMENT AREA 1
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Semi-Annual Groundwater Sampling	34	10/6/04	Oil/Water	SGS	VOC	10/18/04
Semi-Annual Groundwater Sampling	72R	10/6/04	Water	SGS	PCB (f), CN (f), VOC	10/20/04
Semi-Annual Groundwater Sampling	ESA1S-139R	10/6/04	Water	SGS	PCB (f)	10/20/04
Semi-Annual Groundwater Sampling	GMA1-4	10/5/04	Water	SGS	VOC	10/20/04
Semi-Annual Groundwater Sampling	LS-MW-4R	10/6/04	Water	SGS	PCB (f), VOC, SVOC, Metals (f), CN (f), Sulfide, PCDD/PCDF	10/20/04

TABLE 21-2
DATA RECEIVED DURING OCTOBER 2004

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

Parameter / Sample ID: / Date Collected:	34 10/06/04	72R 10/06/04	ESA1S-139R 10/06/04	GMA1-4 10/05/04	LS-MW-4R 10/06/04
Volatile Organics					
Benzene	ND(0.050)	ND(0.0050)	NA	ND(0.0050)	0.0044 J
Chloroform	ND(0.050)	ND(0.0050)	NA	0.0041 J	ND(0.0050)
Toluene	ND(0.050)	ND(0.0050)	NA	0.0017 J	ND(0.0050)
Total VOCs	ND(1.0)	ND(0.20)	NA	0.0058 J	0.0044 J
PCBs-Filtered					
Aroclor-1254	NA	0.000037 J	ND(0.000065)	NA	ND(0.000065)
Total PCBs	NA	0.000037 J	ND(0.000065)	NA	ND(0.000065)
Semivolatile Organics					
None Detected	NA	NA	NA	NA	--
Furans					
2,3,7,8-TCDF	NA	NA	NA	NA	ND(0.0000000027)
TCDFs (total)	NA	NA	NA	NA	ND(0.0000000027)
1,2,3,7,8-PeCDF	NA	NA	NA	NA	ND(0.0000000043)
2,3,4,7,8-PeCDF	NA	NA	NA	NA	ND(0.0000000042)
PeCDFs (total)	NA	NA	NA	NA	ND(0.0000000043)
1,2,3,4,7,8-HxCDF	NA	NA	NA	NA	ND(0.0000000042)
1,2,3,6,7,8-HxCDF	NA	NA	NA	NA	ND(0.0000000040)
1,2,3,7,8,9-HxCDF	NA	NA	NA	NA	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	NA	NA	NA	NA	ND(0.0000000044)
HxCDFs (total)	NA	NA	NA	NA	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDF	NA	NA	NA	NA	ND(0.0000000031)
1,2,3,4,7,8,9-HpCDF	NA	NA	NA	NA	ND(0.0000000038)
HpCDFs (total)	NA	NA	NA	NA	ND(0.0000000038)
OCDF	NA	NA	NA	NA	ND(0.0000000073)
Dioxins					
2,3,7,8-TCDD	NA	NA	NA	NA	ND(0.0000000029)
TCDDs (total)	NA	NA	NA	NA	ND(0.0000000029)
1,2,3,7,8-PeCDD	NA	NA	NA	NA	ND(0.0000000063)
PeCDDs (total)	NA	NA	NA	NA	ND(0.0000000063)
1,2,3,4,7,8-HxCDD	NA	NA	NA	NA	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	NA	NA	NA	NA	ND(0.0000000045)
1,2,3,7,8,9-HxCDD	NA	NA	NA	NA	ND(0.0000000046)
HxCDDs (total)	NA	NA	NA	NA	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	NA	NA	NA	NA	ND(0.0000000047)
HpCDDs (total)	NA	NA	NA	NA	ND(0.0000000047)
OCDD	NA	NA	NA	NA	ND(0.0000000056)
Total TEQs (WHO TEFs)	NA	NA	NA	NA	0.0000000075
Inorganics-Unfiltered					
None Detected	NA	NA	NA	NA	--
Inorganics-Filtered					
Barium	NA	NA	NA	NA	0.0770 B
Chromium	NA	NA	NA	NA	0.00120 B
Cyanide	NA	0.00280 B	NA	NA	ND(0.0100)
Selenium	NA	NA	NA	NA	0.00620
Zinc	NA	NA	NA	NA	0.0310

TABLE 21-2
DATA RECEIVED DURING OCTOBER 2004

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

Notes:

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

Data Qualifiers:

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

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

Inorganics

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

TABLE 21-3
AUTOMATED LNAPL & GROUNDWATER RECOVERY SYSTEMS MONTHLY SUMMARY
EAST STREET AREA 1 - NORTH & SOUTH
GROUNDWATER MANAGEMENT AREA 1

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

Caisson	Month	Vol. LNAPL Collected (gallon)	Vol. Water Recovered (gallon)	Percent Downtime
Northside	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	
	March 2004	0.0	22,500	0.27 - Power Outage
	April 2004	1.0	29,100	
	May 2004	0.0	22,300	
	June 2004	4.3	28,500	
	July 2004	4.4	16,700	
	August 2004	2.0	16,300	
	September 2004	4.0	24,300	
	October 2004	0.0	25,000	0.30
Southside	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	5,400	
	March 2004	0.0	68,200	0.27 - Power Outage
	April 2004	1.0	74,600	
	May 2004	0.0	71,500	
	June 2004	0.0	75,300	
	July 2004	4.4	67,100	
	August 2004	0.0	67,300	
	September 2004	0.0	102,700	
	October 2004	2.0	82,700	0.30

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

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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									
25	1,000.70	10/11/2004	5.66	---	0.000	---	14.88	0.00	995.04
49	999.90	10/15/2004	5.26	5.25	0.01	---	20.65	0.00	994.65
52	999.26	10/15/2004	4.91	---	0.00	---	15.24	0.00	994.35
60R	1,004.03	10/11/2004	11.41	---	0.00	---	18.94	0.00	992.62
105	1002.85	10/11/2004	7.57	7.24	0.33	---	17.39	0.00	995.59
106	1,004.06	10/11/2004	7.60	7.34	0.26	---	12.50	0.00	996.70
107	1,003.86	10/11/2004	7.41	---	0.00	---	17.55	0.00	996.45
108A	1,007.79	10/11/2004	10.26	---	0.00	---	21.67	0.00	997.53
109A	1,005.43	10/11/2004	8.28	---	0.00	---	20.61	0.00	997.15
118	1,001.50	10/11/2004	4.20	---	0.00	---	6.87	0.00	997.30
120	1,001.30	10/11/2004	5.72	---	0.00	---	14.40	0.00	995.58
128	1,001.41	10/11/2004	6.60	---	0.00	---	9.38	0.00	994.81
131	1,001.18	10/15/2004	4.07	---	0.00	---	6.48	0.00	997.11
140	1,000.30	10/11/2004	7.36	---	0.00	---	15.10	0.00	992.94
ES1-08	1,000.85	10/11/2004	5.09	5.06	0.03	---	13.52	0.00	995.79
North Caisson	997.84	10/7/2004	18.35	18.31	0.04	---	19.80	0.00	979.53
North Caisson	997.84	10/13/2004	18.40	18.25	0.15	---	19.80	0.00	979.58
North Caisson	997.84	10/20/2004	18.13	18.11	0.02	---	19.80	0.00	979.73
North Caisson	997.84	10/27/2004	13.65	13.62	0.03	---	19.80	0.00	984.22
GMA 1 - East Street Area 1 - South									
31R	1,000.23	10/11/2004	9.06	---	0.00	---	15.20	0.00	991.17
33	999.50	10/11/2004	5.97	---	0.00	---	21.50	0.00	993.53
34	999.90	10/6/2004	5.41	5.390	0.02	---	21.02	0.00	994.51
34	999.90	10/11/2004	5.60	---	0.00	---	21.00	0.00	994.30
35	1,000.15	10/11/2004	5.57	---	0.00	---	9.67	0.00	994.58
45	1,000.10	10/11/2004	5.53	5.52	0.01	---	20.78	0.00	994.58
46	999.80	10/11/2004	5.91	---	0.00	---	17.39	0.00	993.89
72	1,000.62	10/15/2004	6.50	6.48	0.02	---	21.99	0.00	994.14
72R	1,000.92	10/6/2004	6.04	---	0.00	---	13.35	0.00	994.88
72R	1,000.92	10/11/2004	6.28	---	0.00	---	13.34	0.00	994.64
75	1,000.65	10/15/2004	8.32	---	0.00	---	20.61	0.00	992.33
76	1,000.45	10/11/2004	6.85	6.75	0.10	---	18.63	0.00	993.69
78	997.61	10/14/2004	3.55	---	0.00	---	21.89	0.00	994.06
139R	NA	10/6/2004	9.02	---	0.00	---	14.49	0.00	NA
139R	NA	10/11/2004	9.86	---	0.00	---	14.31	0.00	NA
ES1-13	999.93	10/14/2004	6.20	---	0.00	---	12.72	0.00	993.73
GMA1-6	1,000.44	10/11/2004	7.90	---	0.00	---	15.21	0.00	992.54
GMA1-7	985.81	10/11/2004	11.42	---	0.00	---	14.69	0.00	974.39
GMA1-18	NA	10/14/2004	6.39	---	0.00	---	13.74	0.00	NA
GMA1-18	NA	10/21/2004	5.91	---	0.00	---	13.83	0.00	NA
South Caisson	1,001.11	10/7/2004	13.48	13.44	0.04	---	15.00	0.00	987.67
South Caisson	1,001.11	10/13/2004	14.03	13.95	0.08	---	15.00	0.00	987.15
South Caisson	1,001.11	10/20/2004	14.52	14.49	0.03	---	15.00	0.00	986.62
South Caisson	1,001.11	10/27/2004	18.34	18.31	0.03	---	15.00	0.00	982.80

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

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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.

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

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

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
40R	October 2003	0		
	November 2003	0		
	December 2003	0		
	January 2004	0		
	February 2004	0		0.3
	March 2004	0		0.27 - Power Outage
	April 2004	0		
	May 2004	0		
	June 2004	0		
	July 2004	0		
	August 2004	0		
	September 2004	0		
	October 2004	0		0.30 - Power Outage
64R	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	0.3
	March 2004	325	897,300	0.94 - Power Outage
	April 2004	975	705,000	
	May 2004	125	629,500	
	June 2004	736	923,500	
	July 2004	380	693,900	
	August 2004	250	330,800	
	September 2004	350	675,600	
	October 2004	175	472,200	0.30 - Power Outage
64S System	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
	March 2004	1,271	802,349	1.88 - Power Outage
	April 2004	1,374	947,810	
	May 2004	1,045	1,062,518	
	June 2004	772	968,659	
	July 2004	154	349,705	
	August 2004	230	240,781	
	September 2004	479	681,275	
	October 2004	324	1,034,272	0.30 - Power Outage
64V	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	0.3
	March 2004	1,173	1,370,200	0.27 - Power Outage
	April 2004	1,598	1,212,000	
	May 2004	933	1,313,100	
	June 2004	879	1,444,400	
	July 2004	773	940,100	
	August 2004	772	875,900	
	September 2004	1,170	1,385,900	
	October 2004	920	1,221,100	0.30 - Power Outage

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

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

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
64X	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	0.3
	March 2004	4	504,000	0.27 - Power Outage
	April 2004	0	388,800	
	May 2004	10	403,200	
	June 2004	5	518,400	
	July 2004	10	403,200	
	August 2004	31	388,800	
	September 2004	51	518,400	
	October 2004	5.1	403,200	0.30 - Power Outage
RW-2(X)	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	0.3
	March 2004	0	644,300	0.27 - Power Outage
	April 2004	0	518,200	
	May 2004	0	427,200	
	June 2004	0	458,500	
	July 2004	0	1,029,700	
	August 2004	0	1,020,000	
	September 2004	0	1,138,800	0.93
	October 2004	0	911,800	0.30 - Power Outage
RW-1(S) [1]	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	0.3
	March 2004	31	1,114,375	0.27 - Power Outage
	April 2004	76	1,012,477	
	May 2004	36	1,056,169	
	June 2004	419	1,108,600	
	July 2004	196	669,474	
	August 2004	158	709,815	
	September 2004	159	914,647	9.72
	October 2004	1	1,092,740	0.30 - Power Outage
RW-1(X)	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	0.3
	March 2004	1	502,100	0.27 - Power Outage
	April 2004	0	387,100	
	May 2004	0	397,200	
	June 2004	5	453,900	
	July 2004	0	363,900	
	August 2004	0	473,200	
	September 2004	10	500,500	
	October 2004	0	501,400	0.30 - Power Outage

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

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

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
RW-3(X)	October 2003	56		
	November 2003	55		
	December 2003	56		
	January 2004	70		
	February 2004	49		0.3
	March 2004	75		0.27 - Power Outage
	April 2004	79		
	May 2004	55		
	June 2004	169		
	July 2004	57		
	August 2004	47		
	September 2004	67		
	October 2004	52		0.30 - Power Outage

Summary of Total Automated Removal	
LNAPL:	**1,425 Gallons**
DNAPL:	**52 Gallons**
Water:	**5,636,712 Gallons**

Note:

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

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

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

Date	Housatonic River Discharge (gallons)	Recharge Pond Discharge (gallons)	Total Discharge (gallons)
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
March 2004	5,462,280	112,985	5,575,265
April 2004	5,406,760	169,598	5,576,358
May 2004	5,678,620	236,862	5,915,482
June 2004	4,709,390	350,668	5,060,058
July 2004	4,585,370	316,805	4,902,175
August 2004	4,844,107	310,199	5,154,306
September 2004	5,075,190	248,505	5,323,695
October 2004	6,097,384	260,847	6,358,231

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

TABLE 21-7
ROUTINE WELL MONITORING
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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									
CC	998.84	10/11/2004	17.85	17.83	0.02	---	27.18	0.00	981.01
EE	1,004.27	10/11/2004	23.14	P	< 0.01	---	33.63	0.00	981.13
FF	1,005.70	10/14/2004	23.78	23.77	0.01	---	32.75	0.00	981.93
GG	1,007.40	10/14/2004	24.34	---	0.00	---	34.26	0.00	983.06
II	1,007.26	10/11/2004	25.73	25.45	0.28	---	31.66	0.00	981.79
JJ	1,006.38	10/11/2004	25.00	---	0.00	---	36.05	0.00	981.38
LL-R	1,010.39	10/11/2004	28.94	---	0.00	---	35.42	0.00	981.45
O-R	1,000.42	10/11/2004	14.99	---	0.00	---	21.70	0.00	985.43
P-R	1,005.01	10/11/2004	24.41	---	0.00	---	22.25	0.00	980.60
QQ-R	998.32	10/11/2004	17.44	---	0.00	---	28.13	0.00	980.88
U	998.89	10/11/2004	18.53	P	< 0.01	---	26.49	0.00	980.36
Y	1,002.86	10/11/2004	22.17	---	0.00	---	28.44	0.00	980.69
30's Complex									
95-15	986.38	10/14/2004	7.78	---	0.00	---	16.64	0.00	978.60
95-16	1,007.65	10/14/2004	15.94	---	0.00	---	22.75	0.00	991.71
ES2-19	1,007.22	10/11/2004	13.45	---	0.00	---	18.68	0.00	993.77
GMA1-2	NA	10/6/2004	16.19	---	0.00	---	16.22	0.00	NA
GMA1-10	984.86	10/11/2004	6.61	---	0.00	---	19.94	0.00	978.25
GMA1-12	992.26	10/11/2004	15.98	---	0.00	---	22.22	0.00	976.28
RF-02	982.43	10/11/2004	4.97	---	0.00	---	18.39	0.00	977.46
RF-03	985.40	10/11/2004	9.48	---	0.00	---	18.57	0.00	975.92
RF-03D	985.31	10/11/2004	6.81	---	0.00	---	36.01	0.00	978.50
RF-16	987.91	10/11/2004	8.85	---	0.00	---	20.84	0.00	979.06
40s Complex									
Bldg. 43 Elev.	NA	10/4/2004	27.81	27.80	0.01	---	61.69	0.00	NA
Bldg. 43 Elev.	NA	10/18/2004	28.31	28.30	0.01	---	61.69	0.00	NA
Bldg. 43 Elev.	NA	10/25/2004	28.47	28.46	0.01	---	61.69	0.00	NA
95-17	1,007.67	10/11/2004	24.01	---	0.00	---	28.65	0.00	983.66
RF-4	1,011.99	10/11/2004	14.43	---	0.00	---	24.00	0.00	997.56
East Street Area 2 - North									
05-N	1,009.23	10/11/2004	24.00	23.98	0.02	27.29	27.50	0.21	985.25
11-N	1,010.85	10/11/2004	29.21	---	0.00	---	35.66	0.00	981.64
14-N	1,010.53	10/11/2004	24.03	23.51	0.52	---	30.35	0.00	986.98
16-N	1,010.65	10/11/2004	29.26	---	0.00	---	37.44	0.00	981.39
17A	1,023.86	10/11/2004	7.77	---	0.00	---	19.31	0.00	1,016.09
17-N	1,010.49	10/11/2004	29.01	29.00	0.01	---	38.82	0.00	981.49
19-N	1,010.68	10/11/2004	28.94	---	0.00	---	36.19	0.00	981.74
20-N	1,010.66	10/11/2004	28.35	---	0.00	---	36.82	0.00	982.31
23-N	1,011.13	10/11/2004	29.47	29.46	0.01	---	38.31	0.00	981.67
24-N	1,010.50	10/11/2004	28.70	28.65	0.05	---	35.92	0.00	981.85
27-N	1,010.40	10/11/2004	25.02	---	0.00	---	38.83	0.00	985.38
95-12	1,010.20	10/11/2004	28.80	---	0.00	---	31.29	0.00	981.40
ES1-05	1,023.33	10/11/2004	38.71	---	0.00	---	44.15	0.00	984.62

TABLE 21-7
ROUTINE WELL MONITORING
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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)
ES1-18	1,049.71	10/11/2004	7.36	---	0.00	---	14.13	0.00	1,042.35
ES1-20	1,001.56	10/14/2004	13.98	---	0.00	---	18.37	0.00	987.58
ES1-27R	1,023.19	10/11/2004	7.76	---	0.00	---	19.03	0.00	1,015.43
GMA1-4	1,011.52	10/5/2004	15.69	---	0.00	---	19.64	0.00	995.83
East Street Area 2 - South									
01R	992.72	10/11/2004	12.05	---	0.00	---	24.83	0.00	980.67
02	995.64	10/11/2004	16.55	16.34	0.21	---	23.53	0.00	979.29
05	996.10	10/11/2004	13.20	13.17	0.03	---	23.05	0.00	982.93
06	991.18	10/11/2004	12.44	---	0.00	---	24.03	0.00	978.74
09R	986.88	10/12/2004	12.03	11.99	0.04	---	19.57	0.00	974.89
10	987.95	10/12/2004	12.88	---	0.00	---	14.87	0.00	975.07
13	990.88	10/11/2004	16.30	15.85	0.45	---	22.63	0.00	975.00
14	991.61	10/11/2004	16.13	16.11	0.02	---	25.75	0.00	975.50
15R	989.23	10/11/2004	13.99	---	0.00	---	19.64	0.00	975.24
16R	987.10	10/11/2004	10.25	---	0.00	---	16.53	0.00	976.85
19	983.59	10/11/2004	9.56	---	0.00	---	20.03	0.00	974.03
25R	998.31	10/11/2004	23.52	18.71	4.81	---	30.89	0.00	979.26
26RR	1,000.58	10/12/2004	21.08	20.22	0.86	---	28.57	0.00	980.30
28	991.86	10/11/2004	13.19	---	0.00	---	21.71	0.00	978.67
29	991.59	10/12/2004	16.88	16.71	0.17	---	22.07	0.00	974.87
30	989.34	10/12/2004	11.74	11.70	0.04	---	20.40	0.00	977.64
31	990.60	10/12/2004	12.91	---	0.00	---	22.86	0.00	977.69
32	990.81	10/12/2004	12.46	---	0.00	---	16.89	0.00	978.35
34	982.54	10/12/2004	7.25	P	< 0.01	---	10.96	0.00	975.29
35	982.81	10/12/2004	6.29	P	< 0.01	---	12.15	0.00	976.52
36	983.02	10/12/2004	7.35	---	0.00	---	13.39	0.00	975.67
37	980.37	10/12/2004	4.92	---	0.00	---	12.19	0.00	975.45
38	980.77	10/12/2004	3.99	---	0.00	---	13.72	0.00	976.78
40R	991.60	10/7/2004	16.44	P	< 0.01	---	25.00	0.00	975.16
40R	991.60	10/13/2004	16.60	P	< 0.01	---	25.00	0.00	975.00
40R	991.60	10/20/2004	14.90	P	< 0.01	---	25.00	0.00	976.70
40R	991.60	10/27/2004	16.80	P	< 0.01	---	25.00	0.00	974.80
42	988.33	10/12/2004	11.44	---	0.00	---	18.83	0.00	976.89
43	989.67	10/12/2004	13.72	P	< 0.01	---	22.56	0.00	975.95
44	988.33	10/12/2004	11.57	---	0.00	---	19.03	0.00	976.76
47	991.09	10/11/2004	16.51	16.40	0.11	---	23.07	0.00	974.68
48	992.39	10/14/2004	15.90	14.50	1.40	---	22.66	0.00	977.79
49R	988.71	10/11/2004	14.13	---	0.00	---	24.98	0.00	974.58
49RR	989.80	10/11/2004	15.19	---	0.00	---	23.16	0.00	974.61
50	985.79	10/12/2004	9.76	9.51	0.25	---	23.44	0.00	976.26
51	985.38	10/12/2004	10.42	---	0.00	---	24.04	0.00	974.96
52	985.18	10/12/2004	10.55	---	0.00	---	24.05	0.00	974.63
53	986.90	10/12/2004	12.48	---	0.00	---	25.95	0.00	974.42
54	985.78	10/12/2004	11.80	---	0.00	---	25.72	0.00	973.98

TABLE 21-7
ROUTINE WELL MONITORING
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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)
55	989.45	10/11/2004	15.36	15.33	0.03	---	30.02	0.00	974.12
57	989.80	10/12/2004	11.14	---	0.00	---	27.23	0.00	978.66
58	985.79	10/12/2004	11.71	11.69	0.02	---	24.49	0.00	974.10
59	986.32	10/12/2004	13.51	---	0.00	---	25.88	0.00	972.81
64	984.98	10/14/2004	11.67	---	0.00	---	21.01	0.00	973.31
64R	993.37	10/7/2004	16.57	16.30	0.27	---	19.00	0.00	977.05
64R	993.37	10/13/2004	16.70	16.46	0.24	---	19.00	0.00	976.89
64R	993.37	10/20/2004	16.73	16.56	0.17	---	19.00	0.00	976.80
64R	993.37	10/27/2004	16.84	16.56	0.28	---	19.00	0.00	976.79
64S	984.48	10/7/2004	21.45	---	0.00	---	28.70	0.00	963.03
64S	984.48	10/13/2004	21.44	---	0.00	---	28.70	0.00	963.04
64S	984.48	10/20/2004	21.40	---	0.00	---	28.70	0.00	963.08
64S	984.48	10/27/2004	21.34	P	< 0.01	---	28.70	0.00	963.14
64S-Caisson	NA	10/7/2004	9.83	P	< 0.01	---	14.55	0.00	NA
64S-Caisson	NA	10/13/2004	9.94	9.95	-0.01	---	14.55	0.00	NA
64S-Caisson	NA	10/20/2004	10.28	10.25	0.03	---	14.55	0.00	NA
64S-Caisson	NA	10/27/2004	10.35	10.28	0.07	---	14.55	0.00	NA
64V	987.29	10/7/2004	20.70	20.50	0.20	P	29.60	< 0.01	966.78
64V	987.29	10/13/2004	21.65	21.25	0.40	P	29.60	< 0.01	966.01
64V	987.29	10/20/2004	21.90	21.30	0.60	---	29.60	0.00	965.95
64V	987.29	10/27/2004	21.65	21.25	0.40	---	29.60	0.00	966.01
64X(N)	984.83	10/7/2004	10.88	10.65	0.23	---	15.85	0.00	974.16
64X(N)	984.83	10/13/2004	10.75	10.65	0.10	---	15.85	0.00	974.17
64X(N)	984.83	10/20/2004	9.00	8.85	0.15	---	15.85	0.00	975.97
64X(N)	984.83	10/27/2004	11.24	11.08	0.16	---	15.85	0.00	973.74
64X(S)	981.56	10/7/2004	13.32	13.31	0.01	---	23.82	0.00	968.25
64X(S)	981.56	10/13/2004	13.65	P	< 0.01	---	23.82	0.00	967.91
64X(S)	981.56	10/20/2004	10.88	P	< 0.01	---	23.82	0.00	970.68
64X(S)	981.56	10/27/2004	13.97	13.96	0.01	---	23.82	0.00	967.60
64X(W)	984.87	10/7/2004	16.55	16.51	0.04	---	24.35	0.00	968.36
64X(W)	984.87	10/13/2004	16.87	16.85	0.02	---	24.35	0.00	968.02
64X(W)	984.87	10/20/2004	14.10	14.06	0.04	---	24.35	0.00	970.81
64X(W)	984.87	10/27/2004	17.16	17.15	0.01	---	24.35	0.00	967.72
95-01	983.77	10/11/2004	8.61	---	0.00	---	12.23	0.00	975.16
95-04	988.70	10/14/2004	16.54	13.25	3.29	---	21.70	0.00	975.22
95-05	989.45	10/12/2004	14.91	14.39	0.52	---	20.09	0.00	975.02
95-07	994.91	10/14/2004	23.82	18.11	5.71	---	29.42	0.00	976.40
3-6C-EB-14	984.20	10/11/2004	9.88	---	0.00	---	21.65	0.00	974.32
3-6C-EB-22	986.94	10/11/2004	12.42	---	0.00	---	20.31	0.00	974.52
3-6C-EB-25	986.31	10/11/2004	11.79	---	0.00	---	25.39	0.00	974.52
3-6C-EB-28	985.79	10/11/2004	11.53	---	0.00	---	24.85	0.00	974.26
E2SC-03I	982.12	10/12/2004	7.84	---	0.00	36.24	45.50	9.26	974.28
E2SC-17	985.38	10/12/2004	10.15	---	0.00	48.42	48.50	0.08	975.23
E2SC-21	981.70	10/12/2004	7.39	---	0.00	---	12.09	0.00	974.31

TABLE 21-7
ROUTINE WELL MONITORING
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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)
E2SC-23	992.07	10/12/2004	16.19	---	0.00	---	21.19	0.00	975.88
E2SC-24	987.90	10/12/2004	13.87	---	0.00	---	21.46	0.00	974.03
ES2-01	985.36	10/12/2004	10.60	---	0.00	---	34.21	0.00	974.76
ES2-02A	979.63	10/12/2004	5.18	---	0.00	---	17.48	0.00	974.45
ES2-05	990.65	10/11/2004	15.29	---	0.00	---	24.41	0.00	975.36
ES2-06	986.00	10/12/2004	11.43	---	0.00	42.50	43.55	1.05	974.57
ES2-08	994.87	10/14/2004	20.79	---	0.00	---	24.83	0.00	974.08
ES2-09	991.25	10/12/2004	12.84	---	0.00	---	20.01	0.00	978.41
ES2-11	985.05	10/12/2004	10.59	---	0.00	---	19.67	0.00	974.46
ES2-16	986.88	10/12/2004	10.15	---	0.00	---	17.31	0.00	976.73
ES2-18	986.86	10/11/2004	12.32	---	0.00	---	21.99	0.00	974.54
GMA1-13	991.41	10/11/2004	16.73	---	0.00	---	27.29	0.00	974.68
GMA1-14	997.43	10/12/2004	17.85	17.84	0.01	---	23.65	0.00	979.59
GMA1-15	988.59	10/11/2004	14.64	13.67	0.97	---	17.87	0.00	974.85
GMA1-16	986.82	10/11/2004	12.23	11.77	0.46	---	20.04	0.00	975.02
GMA1-17E	993.03	10/12/2004	14.55	P	< 0.01	---	17.32	0.00	978.48
GMA1-17W	992.63	10/12/2004	16.75	14.13	2.62	---	23.38	0.00	978.32
HR-C-RW-1	NA	10/12/2004	2.90	---	0.00	---	22.85	0.00	NA
HR-G1-MW-1	982.42	10/12/2004	7.88	---	0.00	---	20.39	0.00	974.54
HR-G1-MW-2	980.23	10/12/2004	6.09	---	0.00	---	28.56	0.00	974.14
HR-G1-MW-3	980.21	10/12/2004	5.63	---	0.00	---	17.99	0.00	974.58
HR-G2-MW-1	982.60	10/12/2004	7.90	---	0.00	---	18.34	0.00	974.70
HR-G2-MW-2	981.39	10/12/2004	6.91	---	0.00	---	17.79	0.00	974.48
HR-G2-MW-3	987.14	10/12/2004	12.27	---	0.00	---	22.09	0.00	974.87
HR-G2-RW-1	976.88	10/12/2004	2.26	---	0.00	---	18.70	0.00	975.19
HR-G3-MW-1	982.45	10/12/2004	12.36	---	0.00	---	17.85	0.00	970.09
HR-G3-MW-2	987.88	10/12/2004	13.30	---	0.00	---	17.83	0.00	974.58
HR-G3-RW-1	977.78	10/12/2004	3.15	---	0.00	---	8.56	0.00	974.63
HR-J1-MW-1	985.95	10/11/2004	11.83	---	0.00	---	26.07	0.00	974.12
HR-J1-MW-2	983.56	10/14/2004	9.89	---	0.00	---	17.76	0.00	973.67
HR-J1-MW-3	987.68	10/11/2004	13.53	---	0.00	---	26.58	0.00	974.15
HR-J1-RW-1	975.05	10/14/2004	2.65	---	0.00	---	14.92	0.00	972.40
M-R	998.19	10/12/2004	18.23	18.21	0.02	---	29.22	0.00	979.98
P3	989.25	10/12/2004	4.81	4.80	0.01	---	13.09	0.00	984.45
PZ-1S	989.93	10/14/2004	16.74	---	0.00	---	20.28	0.00	973.19
PZ-6S	984.13	10/12/2004	10.31	---	0.00	---	13.26	0.00	973.82
RW-1(S)	987.23	10/7/2004	17.47	17.45	0.02	P	28.60	< 0.01	969.78
RW-1(S)	987.23	10/13/2004	18.13	18.12	0.01	P	28.60	< 0.01	969.11
RW-1(S)	987.23	10/20/2004	18.20	18.18	0.02	P	28.60	< 0.01	969.05
RW-1(S)	987.23	10/27/2004	18.12	18.11	0.01	---	28.60	0.00	969.12
RW-1(X)	982.68	10/7/2004	14.90	---	0.00	---	20.80	0.00	967.78
RW-1(X)	982.68	10/13/2004	15.54	---	0.00	---	20.80	0.00	967.14
RW-1(X)	982.68	10/20/2004	13.70	---	0.00	---	20.80	0.00	968.98
RW-1(X)	982.68	10/27/2004	15.58	---	0.00	---	20.80	0.00	967.10

TABLE 21-7
ROUTINE WELL MONITORING
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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)
RW-2(X)	985.96	10/7/2004	12.45	---	0.00	---	15.30	0.00	973.51
RW-2(X)	985.96	10/13/2004	12.95	---	0.00	---	15.30	0.00	973.01
RW-2(X)	985.96	10/20/2004	9.92	---	0.00	---	15.30	0.00	976.04
RW-2(X)	985.96	10/27/2004	13.03	---	0.00	---	15.30	0.00	972.93
RW-3(X)	980.28	10/7/2004	7.30	---	0.00	---	44.40	0.00	972.98
RW-3(X)	980.28	10/13/2004	7.75	---	0.00	41.85	44.40	2.55	972.53
RW-3(X)	980.28	10/20/2004	5.50	---	0.00	41.88	44.40	2.52	974.78
RW-3(X)	980.28	10/27/2004	7.80	---	0.00	42.85	44.40	1.55	972.48
TMP-1	992.74	10/11/2004	18.25	---	0.00	---	21.99	0.00	974.49
Housatonic River									
SG-HR-1	990.73	10/8/2004	18.02	See Note 7 regarding depth to water					972.71
SG-HR-1	990.73	10/13/2004	18.90	See Note 7 regarding depth to water					971.83
SG-HR-1	990.73	10/22/2004	16.98	See Note 7 regarding depth to water					973.75
SG-HR-1	990.73	10/27/2004	18.58	See Note 7 regarding depth to water					972.15

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
5. Well HR-G2-RW-1 is constructed at an angle of 41.67 degrees from vertical. Depth to water data reflect measurements collected along the angled well casing. Groundwater elevations are corrected to account for the angle
6. No measurements were obtained at this time due to the operation of the auto skimmer.
7. A survey reference point (SG-HR-1) was established on the Newell Street Bridge. The "Depth to Water" value(s) provided in the above table refer to the vertical distance from the surveyed reference point to the water surface.

TABLE 21-8
ACTIVE RECOVERY SYSTEMS MONTHLY SUMMARY
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

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

Month / Year	Volume Water Pumped (gallon)	RW-1 DNAPL Recovered (gallon)	RW-1R LNAPL Recovered (gallon)	RW-3 LNAPL Recovered (gallon)
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	--	--	--
March 2004	409,514	--	--	--
April 2004	344,707	--	--	1
May 2004	307,361	--	--	--
June 2004	410,230	--	--	--
July 2004	328,363	--	--	--
August 2004	310,473	--	--	--
September 2004	499,209	--	1	20
October 2004	426,078	--	--	--

TABLE 21-8
ACTIVE RECOVERY SYSTEMS MONTHLY SUMMARY
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

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

Notes:

1. Volume of water pumped is total from Wells RW-1R, RW-2, and RW-3.
2. -- indicates LNAPL or DNAPL was not recovered by the system.
3. There was approximately 2.1% downtime (14 hours) at RW1-R and 0.3% (2 hours) at RW-2 and RW-3 during October 2004.

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

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

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	October 2004 Removal (liters)
LSSC-07	10/8/2004	8.38	24.70	0.38	0.234	0.715
	10/22/2004	7.48	24.50	0.58	0.358	
	10/27/2004	8.92	24.88	0.20	0.123	
LSSC-08I	10/22/2004	8.75	23.37	0.02	0.007	0.014
	10/27/2004	10.45	23.37	0.02	0.007	

Total Manual DNAPL Removal for October 2004: 0.729 liters
0.192 gallons

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

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

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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)
B-2	978.06	10/15/2004	5.57	---	0.00	---	17.77	0.00	972.49
E-04	987.98	10/12/2004	13.72	---	0.00	---	24.40	0.00	974.26
E-07	982.87	10/12/2004	6.10	---	0.00	---	19.92	0.00	976.77
EPA-01	983.04	10/14/2004	10.83	---	0.00	---	22.65	0.00	972.21
GMA1-5	979.50	10/12/2004	4.67	---	0.00	---	13.78	0.00	974.83
LS-02	983.32	10/12/2004	9.01	---	0.00	---	17.36	0.00	974.31
LS-04	984.51	10/12/2004	10.48	---	0.00	17.60	18.15	0.55	974.03
LS-12	985.49	10/12/2004	10.87	---	0.00	---	26.51	0.00	974.62
LS-13	984.65	10/12/2004	9.36	9.29	0.07	---	24.19	0.00	975.36
LS-20	985.64	10/14/2004	11.49	---	0.00	---	17.53	0.00	974.15
LS-21	983.42	10/12/2004	9.38	9.00	0.38	---	12.47	0.00	974.39
LS-23	984.38	10/12/2004	11.08	10.34	0.74	---	15.30	0.00	973.99
LS-24	986.58	10/12/2004	12.28	---	0.00	---	15.28	0.00	974.30
LS-29	988.25	10/12/2004	12.67	---	0.00	---	34.69	0.00	975.58
LS-30	986.44	10/12/2004	12.46	---	0.00	21.31	22.13	0.82	973.98
LS-31	987.09	10/12/2004	12.17	---	0.00	22.89	29.25	6.36	974.92
LS-32	985.75	10/12/2004	12.35	---	0.00	---	22.63	0.00	973.40
LS-33	986.42	10/12/2004	12.94	---	0.00	---	20.54	0.00	973.48
LS-34	985.79	10/12/2004	11.38	---	0.00	28.30	28.66	0.36	974.41
LS-35	986.80	10/12/2004	13.42	12.80	0.62	---	41.64	0.00	973.96
LS-38	986.95	10/12/2004	13.25	---	0.00	25.05	25.06	0.01	973.70
LS-41	986.41	10/12/2004	14.31	---	0.00	---	22.68	0.00	972.10
LS-43	981.17	10/12/2004	8.49	---	0.00	---	24.65	0.00	972.68
LS-44	980.78	10/12/2004	5.11	---	0.00	---	24.86	0.00	975.67
LSSC-06	984.91	10/12/2004	9.63	9.28	0.35	---	19.40	0.00	975.61
LSSC-07	982.48	10/12/2004	8.39	---	0.00	24.88	25.15	0.27	974.09
LSSC-07	982.48	10/8/2004	8.38	---	0.00	24.70	25.08	0.38	974.10
LSSC-07	982.48	10/22/2004	7.48	---	0.00	24.50	25.08	0.58	975.00
LSSC-07	982.48	10/27/2004	8.92	---	0.00	24.88	25.08	0.20	973.56
LSSC-08I	983.13	10/12/2004	9.67	---	0.00	---	23.40	0.00	973.46
LSSC-08I	983.13	10/8/2004	9.90	---	0.00	---	23.39	0.00	973.23
LSSC-08I	983.13	10/22/2004	8.75	---	0.00	23.37	23.39	0.02	974.38
LSSC-08I	983.13	10/27/2004	10.45	---	0.00	23.37	23.39	0.02	972.68
LSSC-08S	983.11	10/12/2004	9.67	---	0.00	---	14.68	0.00	973.44
LSSC-09	985.06	10/12/2004	11.33	---	0.00	---	19.26	0.00	973.73
LSSC-16I	980.88	10/12/2004	6.41	---	0.00	28.50	28.60	0.10	974.47
LSSC-16S	981.37	10/12/2004	6.79	---	0.00	---	14.57	0.00	974.58
LSSC-18	987.32	10/12/2004	12.77	---	0.00	---	18.59	0.00	974.55
LSSC-32	980.68	10/14/2004	7.83	---	0.00	---	35.23	0.00	972.85
LSSC-33	980.49	10/12/2004	6.55	---	0.00	---	29.86	0.00	973.94
LSSC-34I	984.74	10/12/2004	10.79	---	0.00	28.38	28.50	0.12	973.95
LSSC-34S	985.01	10/12/2004	11.03	---	0.00	---	17.03	0.00	973.98
MW-3R	983.54	10/12/2004	8.59	---	0.00	---	15.34	0.00	974.95
MW-4R	980.82	10/6/2004	6.93	---	0.00	---	14.19	0.00	973.89
MW-4R	980.82	10/14/2004	8.01	---	0.00	---	14.02	0.00	972.81
MW-6R	985.14	10/12/2004	9.43	---	0.00	---	14.05	0.00	975.71
RW-1	984.88	10/7/2004	9.76	---	0.00	P	21.00	< 0.01	975.12

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

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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)
RW-1	984.88	10/13/2004	10.33	---	0.00	20.65	21.00	0.35	974.55
RW-1	984.88	10/20/2004	10.34	---	0.00	20.70	21.00	0.30	974.54
RW-1	984.88	10/27/2004	10.60	---	0.00	P	21.00	< 0.01	974.28
RW-1 (R)	985.07	10/7/2004	10.16	---	0.00	P	20.42	< 0.01	974.91
RW-1 (R)	985.07	10/13/2004	15.40	---	0.00	P	20.42	< 0.01	969.67
RW-1 (R)	985.07	10/20/2004	13.91	P	< 0.01	P	20.42	< 0.01	971.16
RW-1 (R)	985.07	10/27/2004	15.70	---	0.00	P	20.42	< 0.01	969.37
RW-2	987.82	10/7/2004	13.20	---	0.00	---	21.75	0.00	974.62
RW-2	987.82	10/13/2004	13.45	---	0.00	---	21.75	0.00	974.37
RW-2	987.82	10/20/2004	12.08	---	0.00	---	21.75	0.00	975.74
RW-2	987.82	10/27/2004	13.56	---	0.00	---	21.75	0.00	974.26
RW-3	984.08	10/7/2004	16.78	16.43	0.35	---	21.57	0.00	967.63
RW-3	984.08	10/13/2004	16.30	16.15	0.15	---	21.57	0.00	967.92
RW-3	984.08	10/20/2004	16.61	16.49	0.12	---	21.57	0.00	967.58
RW-3	984.08	10/27/2004	16.80	16.45	0.35	---	21.57	0.00	967.61
Housatonic River (Lyman Street Bridge)									
BM-2A	986.32	10/8/2004	13.51	See Note 4 regarding depth to water					972.81
BM-2A	986.32	10/13/2004	14.64	See Note 4 regarding depth to water					971.68
BM-2A	986.32	10/22/2004	12.40	See Note 4 regarding depth to water					973.92
BM-2A	986.32	10/27/2004	14.58	See Note 4 regarding depth to water					971.74

Notes:

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

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

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

Recovery System	Date	Total Gallons Recovered
System 1	October 2003	56.0
	November 2003	27.0
	December 2003	47.0
	January 2004	24.0
	February 2004	25.5
	March 2004	25.3
	April 2004	26.4
	May 2004	16.0
	June 2004	16.5
	July 2004	14.3
	August 2004	14.6
	September 2004	16.5
	January 1900	11.0
System 2	October 2003	227.0
	November 2003	146.0
	December 2003	182.0
	January 2004	128.0
	February 2004	139.0
	March 2004	112.0
	April 2004	320.0
	May 2004	138.8
	June 2004	97.2
	July 2004	16.2
	August 2004	226.0
	September 2004	129.6
	October 2004	78.2
Total Automated DNAPL Removal for October 2004:		**89.2 Gallons**

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

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

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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)
GMA1-8	981.66	10/12/2004	7.48	---	0.00	---	16.03	0.00	974.18
GMA1-9	982.36	10/12/2004	7.87	---	0.00	---	14.31	0.00	974.49
MW-1D	987.20	10/12/2004	12.25	---	0.00	39.46	39.54	0.08	974.95
MW-1S	986.60	10/12/2004	11.74	---	0.00	24.99	25.27	0.28	974.86
N2SC-02	985.56	10/14/2004	12.14	---	0.00	40.39	40.41	0.02	973.42
N2SC-07	984.61	10/12/2004	9.68	---	0.00	38.14	38.15	0.01	974.93
N2SC-07S	982.93	10/12/2004	8.22	---	0.00	---	18.71	0.00	974.71
N2SC-08	986.07	10/12/2004	10.87	---	0.00	40.81	42.59	1.78	975.20
N2SC-09I	987.77	10/12/2004	12.55	---	0.00	---	43.53	0.00	975.22
N2SC-13I	984.75	10/12/2004	9.68	---	0.00	40.75	41.03	0.28	975.07
N2SC-13S	985.15	10/12/2004	8.13	---	0.00	---	16.39	0.00	977.02
N2SC-15	985.58	10/12/2004	10.42	---	0.00	---	41.15	0.00	975.16
N2SC-16	985.62	10/12/2004	11.97	---	0.00	---	41.90	0.00	973.65
N2SC-17	984.73	10/12/2004	10.29	---	0.00	---	37.01	0.00	974.44
NS-10	984.59	10/12/2004	9.07	8.75	0.32	---	19.20	0.00	975.82
NS-16	984.46	10/12/2004	8.92	---	0.00	---	19.47	0.00	975.54
NS-20	985.29	10/12/2004	6.22	---	0.00	---	14.81	0.00	979.07
NS-36	985.20	10/12/2004	10.79	---	0.00	---	18.72	0.00	974.41
NS-37	986.20	10/12/2004	10.80	---	0.00	---	23.48	0.00	975.40

Notes:

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

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

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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)
FW-16R	986.51	10/12/2004	11.03	---	0.00	---	20.18	0.00	975.48
IA-9R	984.14	10/12/2004	8.30	---	0.00	---	16.75	0.00	975.84
MM-1	988.04	10/12/2004	Access was not permitted					0.00	NA

Notes:

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

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

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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	10/11/2004	4.06	---	0.00	---	37.16	0.00	978.88
SLGW-01D	983.13	10/11/2004	7.01	---	0.00	---	16.37	0.00	976.12
SLGW-02S	985.39	10/11/2004	7.80	---	0.00	---	16.90	0.00	977.59
SLGW-02D	985.10	10/11/2004	7.18	---	0.00	---	37.08	0.00	977.92
SLGW-03S	980.21	10/11/2004	4.21	---	0.00	---	14.71	0.00	976.00
SLGW-03D	979.14	10/11/2004	0.86	---	0.00	---	32.17	0.00	978.28
SLGW-04S	984.02	10/11/2004	8.11	---	0.00	---	16.81	0.00	975.91
SLGW-04D	983.51	10/11/2004	5.68	---	0.00	---	37.33	0.00	977.83
SLGW-05S	979.12	10/11/2004	3.31	---	0.00	---	11.79	0.00	975.81
SLGW-05D	979.3	10/11/2004	3.33	---	0.00	---	35.08	0.00	975.97
SLGW-06S	981.66	10/11/2004	5.30	---	0.00	---	16.89	0.00	976.36
SLGW-06D	981.63	10/11/2004	4.90	---	0.00	---	35.10	0.00	976.73
Staff Gauge within Silver Lake									
Silver Lake Gauge	NA	10/8/2004	0.60	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	10/11/2004	4.39	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	10/22/2004	1.28	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	10/27/2004	0.60	See Note 4 regarding depth to water					NA

NOTES:

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

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

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

a. Activities Undertaken/Completed

- Conducted groundwater elevation monitoring for fall 2004.
- Conducted miscellaneous sampling as identified in Table 22-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

None

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 22-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING OCTOBER 2004

GROUNDWATER MANAGEMENT AREA 2
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
GMA-2 Purge Water Drum	78-F0476-WATER-1	10/21/04	Water	SGS	PCB, VOC, SVOC, Metals	10/29/04

TABLE 22-2
DATA RECEIVED DURING OCTOBER 2004

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

Parameter / Sample ID: / Date Collected:	78-F0476-WATER-1 10/21/04
Volatile Organics	
Toluene	0.0039 J
PCBs-Unfiltered	
Aroclor-1254	0.00043
Total PCBs	0.00043
Semivolatile Organics	
None Detected	--
Inorganics-Unfiltered	
Barium	0.0200
Cadmium	0.000820 B
Chromium	0.00310 B

Notes:

1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles, and metals.
2. Only detected constituents are summarized.
3. - Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Inorganics

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

TABLE 22-3
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 2

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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)
Former Oxbow Area J									
GMA 2-1	991.36	10/12/2004	15.24	---	0.00	---	27.30	0.00	976.12
GMA 2-2	991.19	10/12/2004	16.12	---	0.00	---	25.28	0.00	975.07
GMA 2-3	991.48	10/12/2004	13.85	---	0.00	---	18.59	0.00	977.63
GMA 2-6	989.73	10/12/2004	14.39	---	0.00	---	23.56	0.00	975.34
GMA 2-7	989.64	10/12/2004	13.83	---	0.00	---	18.59	0.00	975.81
J-1R	988.25	10/12/2004	13.51	---	0.00	---	21.27	0.00	974.74
MW-1	994.47	10/12/2004	11.16	---	0.00	---	19.46	0.00	983.31
MW-2	991.64	10/12/2004	13.64	---	0.00	---	16.80	0.00	978.00
Former Oxbow Area K									
GMA 2-4	983.41	10/12/2004	7.81	---	0.00	---	18.09	0.00	975.60
GMA 2-5	985.85	10/12/2004	9.16	---	0.00	---	16.10	0.00	976.69
GMA 2-8	982.30	10/12/2004	6.77	---	0.00	---	17.45	0.00	975.53
GMA 2-9	981.29	10/12/2004	6.16	---	0.00	---	17.26	0.00	975.13
Housatonic River (Foot Bridge)									
GMA2-SG-1	989.82	10/12/2004	14.15	---	---	---	---	---	975.67

NOTES:

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

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

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

a. Activities Undertaken/Completed

- Conducted semi-annual groundwater elevation and NAPL monitoring round.

- Conducted monthly monitoring and NAPL bailing round in the vicinity of Buildings 51 and 59. Approximately 10.2 liters (2.7 gallons) of LNAPL were removed by the automatic skimmer located in well 51-21 and an additional 3.5 liters (0.93 gallon) of LNAPL were manually removed from the wells in this area.

- Conducted fall 2004 baseline groundwater sampling and analysis round.

b. Sampling/Test Results Received

- See attached tables.

- Preliminary analytical results received in October 2004 from the fall 2004 GMA 3 baseline groundwater quality monitoring activities are shown in Table 23-2. These preliminary results have been compared to the applicable Method 1 GW-2 and GW-3 groundwater standards and UCLs for groundwater set forth in the MCP. These comparisons indicate the following:

  - There were no exceedances of UCLs in any of the groundwater sample results received in October 2004.

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

  - The MCP GW-3 standard for chlorobenzene (0.5 ppm) was exceeded in the samples from monitoring wells 6B-R and 114B-R. This was the first sampling event at these new replacement wells. Similar exceedances were previously observed in wells 6B and 114B, which were formerly utilized at these locations.

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

c. Work Plans/Reports/Documents Submitted

None

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

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

- Continue ongoing groundwater and NAPL monitoring and recovery activities.

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

- Install replacement well 89D-R or new well 109D (see Item 23.f below).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

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

f. Proposed/Approved Work Plan Modifications

GE and EPA are discussing the potential replacement of the inaccessible 89 well cluster with the nearby 109 well cluster. If implemented, a new well (109D) would be installed in place of well 89D-R.

TABLE 23-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING OCTOBER 2004

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Semi-Annual Groundwater Sampling	114B-R	10/14/04	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	10/29/04
Semi-Annual Groundwater Sampling	16B-R	10/7/04	Water	SGS	VOC	10/26/04
Semi-Annual Groundwater Sampling	51-14	10/7/04	Water	SGS	VOC	10/26/04
Semi-Annual Groundwater Sampling	6B-R	10/6/04	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	10/26/04
Semi-Annual Groundwater Sampling	78B-R	10/15/04	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	
Semi-Annual Groundwater Sampling	82B-R	10/8/04	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	10/26/04
Semi-Annual Groundwater Sampling	89B	10/14/04	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	10/29/04
Semi-Annual Groundwater Sampling	90B	10/7/04	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	10/26/04
Semi-Annual Groundwater Sampling	95B-R	10/14/04	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	10/29/04
Semi-Annual Groundwater Sampling	DUP-2 (GMA3-5)	10/7/04	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	10/26/04
Semi-Annual Groundwater Sampling	DUP-3 (16B-R)	10/7/04	Water	SGS	VOC	10/26/04
Semi-Annual Groundwater Sampling	DUP-4 (89B)	10/14/04	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	10/29/04
Semi-Annual Groundwater Sampling	GMA3-2	10/6/04	Water	SGS	VOC	10/26/04
Semi-Annual Groundwater Sampling	GMA3-3	10/15/04	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	
Semi-Annual Groundwater Sampling	GMA3-4	10/8/04	Water	SGS	VOC	10/26/04
Semi-Annual Groundwater Sampling	GMA3-5	10/7/04	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	10/26/04
Semi-Annual Groundwater Sampling	GMA3-6	10/7/04	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	10/26/04
Semi-Annual Groundwater Sampling	GMA3-7	10/8/04	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	10/26/04
Semi-Annual Groundwater Sampling	GMA3-9	10/15/04	Water	SGS	VOC	
Semi-Annual Groundwater Sampling	OBG-2	10/8/04	Water	SGS	VOC	10/26/04

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

TABLE 23-2
DATA RECEIVED DURING OCTOBER 2004

BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	6B-R 10/06/04	16B-R 10/07/04	51-14 10/07/04	82B-R 10/08/04
Volatile Organics				
1,1-Dichloroethane	ND(0.050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.0010 J
Benzene	0.70	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.0015 J
Carbon Disulfide	ND(0.050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	ND(0.050)	ND(0.0050) [ND(0.0050)]	0.0014 J	ND(0.0050)
Chlorobenzene	0.92	0.00052 J [0.00056 J]	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.050)	ND(0.0050) [ND(0.0050)]	0.0019 J	ND(0.0050)
Ethylbenzene	ND(0.050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Toluene	0.038 J	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.050)	0.00061 J [0.00064 J]	ND(0.0050)	ND(0.0050)
Total VOCs	1.7	0.0011 J [0.0012 J]	0.0033 J	0.0025 J
PCBs-Unfiltered				
Aroclor-1254	ND(0.000065)	NA	NA	ND(0.000065)
Total PCBs	ND(0.000065)	NA	NA	ND(0.000065)
PCBs-Filtered				
Aroclor-1254	ND(0.000065)	NA	NA	ND(0.000065)
Total PCBs	ND(0.000065)	NA	NA	ND(0.000065)
Semivolatile Organics				
1,2-Dichlorobenzene	0.0049 J	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.010)
1,3-Dichlorobenzene	ND(0.010)	0.00069 J [0.00083 J]	ND(0.0050)	ND(0.010)
1,4-Dichlorobenzene	0.055	0.0014 J [0.0016 J]	ND(0.0050)	ND(0.010)
3&4-Methylphenol	0.021	NA	NA	ND(0.010)
Naphthalene	0.0031 J	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.010)
N-Nitroso-di-n-propylamine	ND(0.010)	NA	NA	ND(0.010)
Phenol	0.021	NA	NA	ND(0.010)
Organochlorine Pesticides				
None Detected	--	NA	NA	--
Organophosphate Pesticides				
None Detected	--	NA	NA	--
Herbicides				
None Detected	--	NA	NA	--
Furans				
2,3,7,8-TCDF	ND(0.0000000023)	NA	NA	ND(0.0000000019)
TCDFs (total)	ND(0.0000000023)	NA	NA	ND(0.0000000019)
1,2,3,7,8-PeCDF	ND(0.0000000041)	NA	NA	ND(0.0000000029)
2,3,4,7,8-PeCDF	ND(0.0000000039)	NA	NA	ND(0.0000000028)
PeCDFs (total)	ND(0.0000000041)	NA	NA	ND(0.0000000029)
1,2,3,4,7,8-HxCDF	ND(0.0000000033)	NA	NA	ND(0.0000000028)
1,2,3,6,7,8-HxCDF	ND(0.0000000032)	NA	NA	ND(0.0000000026)
1,2,3,7,8,9-HxCDF	ND(0.0000000039)	NA	NA	ND(0.0000000033)
2,3,4,6,7,8-HxCDF	ND(0.0000000035)	NA	NA	ND(0.0000000029)
HxCDFs (total)	ND(0.0000000039)	NA	NA	ND(0.0000000033)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000023)	NA	NA	ND(0.0000000021)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000028)	NA	NA	ND(0.0000000025)
HpCDFs (total)	ND(0.0000000028)	NA	NA	ND(0.0000000025)
OCDF	ND(0.0000000066)	NA	NA	ND(0.0000000048)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000026)	NA	NA	ND(0.0000000033)
TCDDs (total)	ND(0.0000000026)	NA	NA	ND(0.0000000033)
1,2,3,7,8-PeCDD	ND(0.0000000054)	NA	NA	ND(0.0000000048)
PeCDDs (total)	ND(0.0000000054)	NA	NA	ND(0.0000000048)
1,2,3,4,7,8-HxCDD	ND(0.0000000042)	NA	NA	ND(0.0000000035)
1,2,3,6,7,8-HxCDD	ND(0.0000000037)	NA	NA	ND(0.0000000031)
1,2,3,7,8,9-HxCDD	ND(0.0000000038)	NA	NA	ND(0.0000000032)
HxCDDs (total)	ND(0.0000000042)	NA	NA	ND(0.0000000035)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000046)	NA	NA	ND(0.0000000036)
HpCDDs (total)	ND(0.0000000046)	NA	NA	ND(0.0000000036)

TABLE 23-2
DATA RECEIVED DURING OCTOBER 2004

BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	6B-R 10/06/04	16B-R 10/07/04	51-14 10/07/04	82B-R 10/08/04
OCDD	0.00000013	NA	NA	ND(0.0000000046)
Total TEQs (WHO TEFs)	0.0000000065	NA	NA	0.0000000060
Inorganics-Unfiltered				
Arsenic	ND(0.0100)	NA	NA	ND(0.0100)
Barium	0.0510 B	NA	NA	0.0800 B
Chromium	0.00240 B	NA	NA	0.00120 B
Cobalt	ND(0.0500)	NA	NA	ND(0.0500)
Copper	0.00310 B	NA	NA	ND(0.0250)
Cyanide	ND(0.0100)	NA	NA	ND(0.0100)
Lead	ND(0.00300)	NA	NA	ND(0.00300)
Nickel	0.00470 B	NA	NA	0.00160 B
Silver	ND(0.00500)	NA	NA	ND(0.00500)
Vanadium	0.00290 B	NA	NA	ND(0.0500)
Zinc	0.0180 B	NA	NA	0.0140 B
Inorganics-Filtered				
Arsenic	0.00550 B	NA	NA	ND(0.0100)
Barium	0.0460 B	NA	NA	0.0750 B
Chromium	0.00200 B	NA	NA	ND(0.0100)
Cobalt	ND(0.0500)	NA	NA	ND(0.0500)
Copper	0.00190 B	NA	NA	ND(0.0250)
Cyanide	ND(0.0100)	NA	NA	ND(0.0100)
Lead	ND(0.00300)	NA	NA	ND(0.00300)
Nickel	0.00610 B	NA	NA	0.00220 B
Silver	ND(0.00500)	NA	NA	0.00100 B
Vanadium	0.00370 B	NA	NA	ND(0.0500)
Zinc	0.00780 B	NA	NA	0.00370 B

TABLE 23-2
DATA RECEIVED DURING OCTOBER 2004

BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	89B 10/14/04	90B 10/07/04	95B-R 10/14/04
Volatile Organics			
1,1-Dichloroethane	ND(0.0050) [ND(0.050)]	ND(0.0050)	ND(0.0050)
Benzene	0.0014 J [0.079]	ND(0.0050)	ND(0.0050)
Carbon Disulfide	ND(0.0050) [ND(0.050)]	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	ND(0.0050) [ND(0.050)]	ND(0.0050)	ND(0.0050)
Chlorobenzene	0.010 [0.56]	ND(0.0050)	0.077
Chloroform	ND(0.0050) [ND(0.050)]	ND(0.0050)	ND(0.0050)
Ethylbenzene	ND(0.0050) [ND(0.050)]	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050) [ND(0.050)]	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050) [ND(0.050)]	ND(0.0050)	ND(0.0050)
Total VOCs	0.011 J [0.64]	ND(0.20)	0.077
PCBs-Unfiltered			
Aroclor-1254	0.00012 [0.000027 J]	ND(0.000065)	ND(0.000065)
Total PCBs	0.00012 [0.000027 J]	ND(0.000065)	ND(0.000065)
PCBs-Filtered			
Aroclor-1254	ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.000065)
Total PCBs	ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.000065)
Semivolatile Organics			
1,2-Dichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
1,3-Dichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
1,4-Dichlorobenzene	ND(0.010) [0.0051 J]	ND(0.010)	ND(0.010)
3&4-Methylphenol	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
N-Nitroso-di-n-propylamine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Phenol	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Organochlorine Pesticides			
None Detected	--	--	--
Organophosphate Pesticides			
None Detected	--	--	--
Herbicides			
None Detected	--	--	--
Furans			
2,3,7,8-TCDF	ND(0.0000000031) [ND(0.0000000019)]	ND(0.0000000022)	ND(0.0000000037)
TCDFs (total)	ND(0.0000000031) [ND(0.0000000019)]	ND(0.0000000022)	ND(0.0000000037)
1,2,3,7,8-PeCDF	ND(0.0000000021) [ND(0.0000000015)]	ND(0.0000000032)	ND(0.0000000023)
2,3,4,7,8-PeCDF	ND(0.0000000021) [ND(0.0000000015)]	ND(0.0000000031)	ND(0.0000000023)
PeCDFs (total)	ND(0.0000000034) [ND(0.0000000017)]	ND(0.0000000032)	ND(0.0000000029)
1,2,3,4,7,8-HxCDF	ND(0.0000000031) [ND(0.0000000020)]	ND(0.0000000031)	ND(0.0000000028)
1,2,3,6,7,8-HxCDF	ND(0.0000000027) [ND(0.0000000018)]	ND(0.0000000029)	ND(0.0000000025)
1,2,3,7,8,9-HxCDF	ND(0.0000000033) [ND(0.0000000022)]	ND(0.0000000036)	ND(0.0000000031)
2,3,4,6,7,8-HxCDF	ND(0.0000000030) [ND(0.0000000020)]	ND(0.0000000032)	ND(0.0000000028)
HxCDFs (total)	ND(0.0000000033) [ND(0.0000000022)]	ND(0.0000000036)	ND(0.0000000031)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000015) [ND(0.00000000097)]	ND(0.0000000025)	ND(0.0000000016)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000018) [ND(0.0000000012)]	ND(0.0000000030)	ND(0.0000000020)
HpCDFs (total)	ND(0.0000000018) [ND(0.0000000012)]	ND(0.0000000030)	ND(0.0000000020)
OCDF	ND(0.0000000053) [ND(0.0000000037)]	ND(0.0000000052)	ND(0.0000000057)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000024) [ND(0.0000000015)]	ND(0.0000000033)	ND(0.0000000022)
TCDDs (total)	ND(0.0000000024) [ND(0.0000000015)]	ND(0.0000000033)	ND(0.0000000022)
1,2,3,7,8-PeCDD	ND(0.0000000034) [ND(0.0000000022)]	ND(0.0000000054)	ND(0.0000000036)
PeCDDs (total)	ND(0.0000000034) [ND(0.0000000022)]	ND(0.0000000054)	ND(0.0000000036)
1,2,3,4,7,8-HxCDD	ND(0.0000000049) [ND(0.0000000032)]	ND(0.0000000038)	ND(0.0000000044)
1,2,3,6,7,8-HxCDD	ND(0.0000000039) [ND(0.0000000026)]	ND(0.0000000034)	ND(0.0000000036)
1,2,3,7,8,9-HxCDD	ND(0.0000000041) [ND(0.0000000027)]	ND(0.0000000035)	ND(0.0000000037)
HxCDDs (total)	ND(0.0000000049) [ND(0.0000000032)]	ND(0.0000000038)	ND(0.0000000044)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000029) [ND(0.0000000021)]	ND(0.0000000028)	ND(0.0000000031)
HpCDDs (total)	ND(0.0000000029) [ND(0.0000000021)]	ND(0.0000000028)	ND(0.0000000031)

TABLE 23-2
DATA RECEIVED DURING OCTOBER 2004

BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	89B 10/14/04	90B 10/07/04	95B-R 10/14/04
OCDD	ND(0.0000000037) [ND(0.0000000021)]	ND(0.0000000051)	ND(0.0000000029)
Total TEQs (WHO TEFs)	0.0000000049 [0.0000000032]	0.0000000065	0.0000000049
Inorganics-Unfiltered			
Arsenic	ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100)
Barium	0.0620 B [0.0620 B]	0.0220 B	0.0640 B
Chromium	ND(0.0100) [0.00310 B]	0.00490 B	0.00140 B
Cobalt	ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0500)
Copper	ND(0.0250) [0.00190 B]	ND(0.0250)	ND(0.0250)
Cyanide	ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100)
Lead	ND(0.00300) [ND(0.00300)]	0.00100 B	ND(0.00300)
Nickel	ND(0.0400) [ND(0.0400)]	0.00500 B	ND(0.0400)
Silver	0.00130 B [ND(0.00500)]	ND(0.00500)	ND(0.00500)
Vanadium	ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0500)
Zinc	0.0130 B [0.0140 B]	0.0160 B	0.0130 B
Inorganics-Filtered			
Arsenic	ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100)
Barium	0.0590 B [0.0610 B]	0.0230 B	0.0660 B
Chromium	0.00160 B [0.00200 B]	0.00280 B	0.00140 B
Cobalt	ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0500)
Copper	ND(0.0250) [0.00160 B]	ND(0.0250)	0.00160 B
Cyanide	ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100)
Lead	0.000700 B [0.00130 B]	ND(0.00300)	ND(0.00300)
Nickel	ND(0.0400) [ND(0.0400)]	ND(0.0400)	ND(0.0400)
Silver	ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.00500)
Vanadium	ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0500)
Zinc	ND(0.0200) [0.00200 B]	0.00210 B	0.00380 B

TABLE 23-2
DATA RECEIVED DURING OCTOBER 2004

BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	114B-R 10/14/04	GMA3-2 10/06/04	GMA3-4 10/08/04	GMA3-5 10/07/04
Volatile Organics				
1,1-Dichloroethane	ND(0.050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Benzene	ND(0.050)	0.015	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Carbon Disulfide	ND(0.050)	0.0012 J	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Carbon Tetrachloride	ND(0.050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Chlorobenzene	1.0	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Chloroform	ND(0.050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Ethylbenzene	ND(0.050)	0.0011 J	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Toluene	ND(0.050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Trichloroethene	ND(0.050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Total VOCs	1.0	0.017 J	ND(0.20)	ND(0.20) [ND(0.20)]
PCBs-Unfiltered				
Aroclor-1254	ND(0.000065)	NA	NA	0.000028 J [0.000027 J]
Total PCBs	ND(0.000065)	NA	NA	0.000028 J [0.000027 J]
PCBs-Filtered				
Aroclor-1254	ND(0.000065)	NA	NA	0.000024 J [0.000024 J]
Total PCBs	ND(0.000065)	NA	NA	0.000024 J [0.000024 J]
Semivolatile Organics				
1,2-Dichlorobenzene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010) [ND(0.010)]
1,3-Dichlorobenzene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010) [ND(0.010)]
1,4-Dichlorobenzene	0.030	0.0017 J	ND(0.0050)	ND(0.010) [ND(0.010)]
3&4-Methylphenol	ND(0.010)	NA	NA	ND(0.010) [ND(0.010)]
Naphthalene	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010) [ND(0.010)]
N-Nitroso-di-n-propylamine	0.0083 J	NA	NA	ND(0.010) [ND(0.010)]
Phenol	ND(0.010)	NA	NA	ND(0.010) [ND(0.010)]
Organochlorine Pesticides				
None Detected	--	NA	NA	--
Organophosphate Pesticides				
None Detected	--	NA	NA	--
Herbicides				
None Detected	--	NA	NA	--
Furans				
2,3,7,8-TCDF	ND(0.0000000021)	NA	NA	ND(0.0000000024) [ND(0.0000000025)]
TCDFs (total)	ND(0.0000000021)	NA	NA	ND(0.0000000024) [ND(0.0000000025)]
1,2,3,7,8-PeCDF	ND(0.0000000017)	NA	NA	ND(0.0000000038) [ND(0.0000000042)]
2,3,4,7,8-PeCDF	ND(0.0000000017)	NA	NA	ND(0.0000000037) [ND(0.0000000041)]
PeCDFs (total)	ND(0.0000000024)	NA	NA	ND(0.0000000038) [ND(0.0000000042)]
1,2,3,4,7,8-HxCDF	ND(0.0000000017)	NA	NA	ND(0.0000000041) [ND(0.0000000033)]
1,2,3,6,7,8-HxCDF	ND(0.0000000015)	NA	NA	ND(0.0000000039) [ND(0.0000000031)]
1,2,3,7,8,9-HxCDF	ND(0.0000000018)	NA	NA	ND(0.0000000048) [ND(0.0000000039)]
2,3,4,6,7,8-HxCDF	ND(0.0000000016)	NA	NA	ND(0.0000000042) [ND(0.0000000034)]
HxCDFs (total)	ND(0.0000000018)	NA	NA	ND(0.0000000048) [ND(0.0000000039)]
1,2,3,4,6,7,8-HpCDF	ND(0.0000000011)	NA	NA	ND(0.0000000030) [ND(0.0000000030)]
1,2,3,4,7,8,9-HpCDF	ND(0.0000000014)	NA	NA	ND(0.0000000037) [ND(0.0000000036)]
HpCDFs (total)	ND(0.0000000014)	NA	NA	ND(0.0000000037) [ND(0.0000000036)]
OCDF	ND(0.0000000034)	NA	NA	ND(0.0000000063) [ND(0.0000000058)]
Dioxins				
2,3,7,8-TCDD	ND(0.0000000016)	NA	NA	ND(0.0000000030) [ND(0.0000000029)]
TCDDs (total)	ND(0.0000000016)	NA	NA	ND(0.0000000030) [ND(0.0000000029)]
1,2,3,7,8-PeCDD	ND(0.0000000025)	NA	NA	ND(0.0000000055) [ND(0.0000000059)]
PeCDDs (total)	ND(0.0000000025)	NA	NA	ND(0.0000000055) [ND(0.0000000059)]
1,2,3,4,7,8-HxCDD	ND(0.0000000028)	NA	NA	ND(0.0000000047) [ND(0.0000000045)]
1,2,3,6,7,8-HxCDD	ND(0.0000000022)	NA	NA	ND(0.0000000042) [ND(0.0000000040)]
1,2,3,7,8,9-HxCDD	ND(0.0000000023)	NA	NA	ND(0.0000000043) [ND(0.0000000041)]
HxCDDs (total)	ND(0.0000000028)	NA	NA	ND(0.0000000047) [ND(0.0000000045)]
1,2,3,4,6,7,8-HpCDD	ND(0.0000000021)	NA	NA	ND(0.0000000050) [ND(0.0000000044)]
HpCDDs (total)	ND(0.0000000021)	NA	NA	ND(0.0000000050) [ND(0.0000000044)]

TABLE 23-2
DATA RECEIVED DURING OCTOBER 2004

BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	114B-R 10/14/04	GMA3-2 10/06/04	GMA3-4 10/08/04	GMA3-5 10/07/04
OCDD	ND(0.0000000025)	NA	NA	ND(0.000000013) [ND(0.0000000045)]
Total TEQs (WHO TEFs)	0.0000000033	NA	NA	0.0000000070 [0.0000000070]
Inorganics-Unfiltered				
Arsenic	ND(0.0100)	NA	NA	ND(0.0100) [ND(0.0100)]
Barium	0.140 B	NA	NA	0.0430 B [0.0430 B]
Chromium	0.00180 B	NA	NA	ND(0.0100) [ND(0.0100)]
Cobalt	ND(0.0500)	NA	NA	0.00120 B [0.00160 B]
Copper	0.00180 B	NA	NA	ND(0.0250) [ND(0.0250)]
Cyanide	ND(0.0100)	NA	NA	ND(0.0100) [ND(0.0100)]
Lead	ND(0.00300)	NA	NA	ND(0.00300) [ND(0.00300)]
Nickel	0.0130 B	NA	NA	0.00200 B [0.00210 B]
Silver	ND(0.00500)	NA	NA	ND(0.00500) [ND(0.00500)]
Vanadium	ND(0.0500)	NA	NA	ND(0.0500) [ND(0.0500)]
Zinc	0.0140 B	NA	NA	0.0150 B [0.0150 B]
Inorganics-Filtered				
Arsenic	ND(0.0100)	NA	NA	ND(0.0100) [ND(0.0100)]
Barium	0.150 B	NA	NA	0.0460 B [0.0450 B]
Chromium	0.00160 B	NA	NA	ND(0.0100) [ND(0.0100)]
Cobalt	ND(0.0500)	NA	NA	0.00150 B [ND(0.0500)]
Copper	0.00160 B	NA	NA	ND(0.0250) [ND(0.0250)]
Cyanide	ND(0.0100)	NA	NA	ND(0.0100) [ND(0.0100)]
Lead	ND(0.00300)	NA	NA	ND(0.00300) [ND(0.00300)]
Nickel	ND(0.0400)	NA	NA	0.00250 B [0.00350 B]
Silver	ND(0.00500)	NA	NA	ND(0.00500) [0.00100 B]
Vanadium	ND(0.0500)	NA	NA	ND(0.0500) [ND(0.0500)]
Zinc	0.00300 B	NA	NA	0.00400 B [0.00310 B]

TABLE 23-2
DATA RECEIVED DURING OCTOBER 2004

BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-6 10/07/04	GMA3-7 10/08/04	OBG-2 10/08/04
Volatile Organics			
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon Disulfide	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	0.0033 J	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0050)	ND(0.0050)	ND(0.0050)
Ethylbenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Total VOCs	0.0033 J	ND(0.20)	ND(0.20)
PCBs-Unfiltered			
Aroclor-1254	0.000029 J	0.000065	NA
Total PCBs	0.000029 J	0.000065	NA
PCBs-Filtered			
Aroclor-1254	ND(0.000065)	0.000039 J	NA
Total PCBs	ND(0.000065)	0.000039 J	NA
Semivolatile Organics			
1,2-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.0050)
1,3-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.0050)
1,4-Dichlorobenzene	0.0030 J	ND(0.010)	ND(0.0050)
3&4-Methylphenol	ND(0.010)	ND(0.010)	NA
Naphthalene	ND(0.010)	ND(0.010)	ND(0.0050)
N-Nitroso-di-n-propylamine	ND(0.010)	ND(0.010)	NA
Phenol	ND(0.010)	ND(0.010)	NA
Organochlorine Pesticides			
None Detected	--	--	NA
Organophosphate Pesticides			
None Detected	--	--	NA
Herbicides			
None Detected	--	--	NA
Furans			
2,3,7,8-TCDF	ND(0.0000000020)	ND(0.0000000022)	NA
TCDFs (total)	ND(0.0000000020)	ND(0.0000000022)	NA
1,2,3,7,8-PeCDF	ND(0.0000000031)	ND(0.0000000032)	NA
2,3,4,7,8-PeCDF	ND(0.0000000030)	ND(0.0000000031)	NA
PeCDFs (total)	ND(0.0000000031)	ND(0.0000000032)	NA
1,2,3,4,7,8-HxCDF	ND(0.0000000033)	ND(0.0000000028)	NA
1,2,3,6,7,8-HxCDF	ND(0.0000000031)	ND(0.0000000027)	NA
1,2,3,7,8,9-HxCDF	ND(0.0000000039)	ND(0.0000000034)	NA
2,3,4,6,7,8-HxCDF	ND(0.0000000034)	ND(0.0000000030)	NA
HxCDFs (total)	ND(0.0000000039)	ND(0.0000000034)	NA
1,2,3,4,6,7,8-HpCDF	ND(0.0000000024)	ND(0.0000000020)	NA
1,2,3,4,7,8,9-HpCDF	ND(0.0000000030)	ND(0.0000000025)	NA
HpCDFs (total)	ND(0.0000000030)	ND(0.0000000025)	NA
OCDF	ND(0.0000000048)	ND(0.0000000051)	NA
Dioxins			
2,3,7,8-TCDD	ND(0.0000000031)	ND(0.0000000031)	NA
TCDDs (total)	ND(0.0000000031)	ND(0.0000000031)	NA
1,2,3,7,8-PeCDD	ND(0.0000000059)	ND(0.0000000056)	NA
PeCDDs (total)	ND(0.0000000059)	ND(0.0000000056)	NA
1,2,3,4,7,8-HxCDD	ND(0.0000000040)	ND(0.0000000036)	NA
1,2,3,6,7,8-HxCDD	ND(0.0000000036)	ND(0.0000000032)	NA
1,2,3,7,8,9-HxCDD	ND(0.0000000037)	ND(0.0000000033)	NA
HxCDDs (total)	ND(0.0000000040)	ND(0.0000000036)	NA
1,2,3,4,6,7,8-HpCDD	ND(0.0000000035)	ND(0.0000000039)	NA
HpCDDs (total)	ND(0.0000000035)	ND(0.0000000039)	NA

TABLE 23-2
DATA RECEIVED DURING OCTOBER 2004

BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-6 10/07/04	GMA3-7 10/08/04	OBG-2 10/08/04
OCDD	ND(0.0000000045)	ND(0.0000000044)	NA
Total TEQs (WHO TEFs)	0.0000000067	0.0000000065	NA
Inorganics-Unfiltered			
Arsenic	0.00530 B	ND(0.0100)	NA
Barium	0.300	0.0860 B	NA
Chromium	ND(0.0100)	0.00330 B	NA
Cobalt	ND(0.0500)	ND(0.0500)	NA
Copper	ND(0.0250)	ND(0.0250)	NA
Cyanide	0.00130 B	ND(0.0100)	NA
Lead	ND(0.00300)	ND(0.00300)	NA
Nickel	ND(0.0400)	ND(0.0400)	NA
Silver	ND(0.00500)	ND(0.00500)	NA
Vanadium	ND(0.0500)	ND(0.0500)	NA
Zinc	0.0130 B	0.0180 B	NA
Inorganics-Filtered			
Arsenic	0.00490 B	ND(0.0100)	NA
Barium	0.290	0.0970 B	NA
Chromium	ND(0.0100)	0.00180 B	NA
Cobalt	ND(0.0500)	ND(0.0500)	NA
Copper	ND(0.0250)	ND(0.0250)	NA
Cyanide	0.00160 B	ND(0.0100)	NA
Lead	ND(0.00300)	ND(0.00300)	NA
Nickel	ND(0.0400)	0.00150 B	NA
Silver	0.00160 B	0.00110 B	NA
Vanadium	ND(0.0500)	ND(0.0500)	NA
Zinc	ND(0.0200)	0.0190 B	NA

TABLE 23-2
DATA RECEIVED DURING OCTOBER 2004

BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Notes:

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

Data Qualifiers:

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

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

Inorganics

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

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

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

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	October 2004 Removal (liters)
51-21	10/7/2004	14.80	---	0.00	4.548	10.233
	10/13/2004	14.93	---	0.00	2.274	
	10/20/2004	14.88	P	< 0.01	1.137	
	10/27/2004	14.97	P	< 0.01	2.274	
GMA3-10	10/8/2004	11.26	10.63	0.63	0.389	1.252
	10/22/2004	11.42	10.74	0.68	0.419	
	10/27/2004	11.48	10.76	0.72	0.444	
GMA3-12	10/8/2004	11.30	11.01	0.29	0.717	2.273
	10/22/2004	11.45	11.09	0.36	0.889	
	10/27/2004	11.41	11.14	0.27	0.667	

Total Automated LNAPL Removal at well 51-21 for October 2004: 10.233 liters
2.70 Gallons

Total Manual LNAPL Removal at all other wells for October 2004: 3.525 liters
0.93 Gallons

Total LNAPL Removed for October 2004: 13.758 liters
3.63 Gallons

Notes:

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

TABLE 23-4
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 3

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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)
002A	994.16	10/13/2004	8.00	---	0.00	---	55.04	0.00	986.16
006B-R	NA	10/6/2004	6.42	---	0.00	---	14.84	0.00	NA
006B-R	NA	10/14/2004	6.88	---	0.00	---	14.74	0.00	NA
016A	991.77	10/14/2004	7.03	---	0.00	---	51.00	0.00	984.74
016B-R	994.87	10/7/2004	8.99	---	0.00	---	16.41	0.00	985.88
016B-R	994.87	10/13/2004	9.16	---	0.00	---	16.46	0.00	985.71
016C-R	NA	10/13/2004	7.81	---	0.00	---	95.13	0.00	NA
039B-R	991.97	10/13/2004	6.09	---	0.00	---	13.84	0.00	985.88
039D	992.16	10/13/2004	6.03	---	0.00	---	66.11	0.00	986.13
039E	992.21	10/13/2004	5.52	---	0.00	---	>151.00	0.00	986.69
043A	993.79	10/13/2004	5.61	---	0.00	---	51.40	0.00	988.18
043B	993.61	10/13/2004	5.81	---	0.00	---	21.40	0.00	987.80
050B	991.76	10/13/2004	3.12	---	0.00	---	15.02	0.00	988.64
054B	987.96	10/13/2004	2.68	---	0.00	---	13.00	0.00	985.28
054B-R	NA	10/13/2004	NM	NM	NM	NM	NM	NM	NA
078B-R	988.83	10/13/2004	1.38	---	0.00	---	11.72	0.00	987.45
078B-R	988.83	10/15/2004	1.30	---	0.00	---	11.85	0.00	987.53
082B-R	NA	10/8/2004	4.18	---	0.00	---	11.89	0.00	NA
082B-R	NA	10/13/2004	4.68	---	0.00	---	11.87	0.00	NA
089A	985.76	10/14/2004	2.45	---	0.00	---	47.48	0.00	983.31
089B	986.03	10/14/2004	2.61	---	0.00	---	8.99	0.00	983.42
089D	985.42	10/14/2004	2.08	---	0.00	---	66.98	0.00	983.34
090A	988.07	10/13/2004	5.19	---	0.00	---	51.69	0.00	982.88
090B	989.10	10/7/2004	5.95	---	0.00	---	12.87	0.00	983.15
090B	989.10	10/13/2004	6.32	---	0.00	---	12.93	0.00	982.78
095A	987.18	10/13/2004	6.30	---	0.00	---	51.08	0.00	980.88
095B-R	NA	10/13/2004	5.54	---	0.00	---	13.67	0.00	NA
095B-R	NA	10/14/2004	5.59	---	0.00	---	13.63	0.00	NA
111A-R	NA	10/13/2004	13.03	---	0.00	---	52.27	0.00	NA
111B	996.75	10/13/2004	13.02	---	0.00	---	16.54	0.00	983.73
111B	996.75	10/14/2004	13.04	---	0.00	---	16.54	0.00	983.71
111B	996.75	10/20/2004	12.95	---	0.00	---	16.50	0.00	983.80
111B	996.75	10/22/2004	13.00	---	0.00	---	16.20	0.00	983.75
114A	986.16	10/13/2004	5.91	---	0.00	---	52.30	0.00	980.25
114B-R	NA	10/13/2004	6.00	---	0.00	---	15.50	0.00	NA
114B-R	NA	10/14/2004	5.98	---	0.00	---	15.47	0.00	NA
114C	986.68	10/14/2004	NM	NM	NM	NM	NM	NM	NA
51-05	996.44	10/13/2004	9.88	9.87	0.01	---	12.53	0.00	986.57
51-06	997.36	10/13/2004	10.42	---	0.00	---	14.60	0.00	986.94
51-07	997.08	10/13/2004	10.34	---	0.00	---	11.23	0.00	986.74
51-08	997.08	10/8/2004	10.53	10.44	0.09	---	14.66	0.00	986.63
51-08	997.08	10/13/2004	10.57	10.51	0.06	---	14.67	0.00	986.57
51-08	997.08	10/22/2004	10.60	10.49	0.11	---	14.66	0.00	986.58
51-08	997.08	10/27/2004	10.64	10.56	0.08	---	14.66	0.00	986.51
51-09	997.70	10/13/2004	9.92	---	0.00	---	11.61	0.00	987.78
51-11	994.37	10/13/2004	8.01	---	0.00	---	13.43	0.00	986.36
51-12	996.55	10/13/2004	7.24	---	0.00	---	11.06	0.00	989.31
51-13	997.42	10/13/2004	Dry	---	0.00	---	10.03	0.00	< 987.39

TABLE 23-4
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 3

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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)
51-14	996.77	10/7/2004	10.26	---	0.00	---	15.13	0.00	986.51
51-14	996.77	10/13/2004	10.34	---	0.00	---	14.99	0.00	986.43
51-15	996.43	10/13/2004	9.82	9.81	0.01	---	14.49	0.00	986.62
51-16R	996.39	10/13/2004	9.83	9.80	0.03	---	14.54	0.00	986.59
51-17	996.43	10/13/2004	11.06	9.54	1.52	---	14.50	0.00	986.78
51-18	997.12	10/13/2004	10.55	---	0.00	---	12.56	0.00	986.57
51-19	996.43	10/13/2004	10.85	9.88	0.97	---	14.03	0.00	986.48
51-21	1,001.49	10/7/2004	14.80	---	0.00	---	NM	0.00	986.69
51-21	1,001.49	10/13/2004	14.93	---	0.00	---	NM	0.00	986.56
51-21	1,001.49	10/20/2004	14.88	P	< 0.01	---	NM	0.00	986.61
51-21	1,001.49	10/27/2004	14.97	P	< 0.01	---	NM	0.00	986.52
59-01	997.52	10/13/2004	10.84	---	0.00	---	11.37	0.00	986.68
59-03R	997.64	10/13/2004	11.94	10.88	1.06	---	17.04	0.00	986.69
59-07	997.96	10/13/2004	11.22	11.21	0.01	---	23.53	0.00	986.75
GMA3-2	991.94	10/6/2004	6.60	---	0.00	---	14.96	0.00	985.34
GMA3-2	991.94	10/13/2004	7.19	---	0.00	---	15.02	0.00	984.75
GMA3-3	990.45	10/13/2004	1.64	---	0.00	---	12.20	0.00	988.81
GMA3-3	990.45	10/15/2004	1.71	---	0.00	---	12.29	0.00	988.74
GMA3-4	994.60	10/8/2004	6.70	P	< 0.01	---	13.34	0.00	987.90
GMA3-4	994.60	10/13/2004	6.75	P	< 0.01	---	13.20	0.00	987.85
GMA3-5	993.67	10/7/2004	7.77	---	0.00	---	15.56	0.00	985.90
GMA3-5	993.67	10/13/2004	8.37	---	0.00	---	15.52	0.00	985.30
GMA3-6	997.49	10/7/2004	10.43	---	0.00	---	18.08	0.00	987.06
GMA3-6	997.49	10/13/2004	10.53	---	0.00	---	17.35	0.00	986.96
GMA3-7	1000.17	10/8/2004	13.08	---	0.00	---	19.96	0.00	987.09
GMA3-7	1000.17	10/13/2004	13.22	---	0.00	---	19.91	0.00	986.95
GMA3-8	996.24	10/13/2004	9.89	---	0.00	---	15.74	0.00	986.35
GMA3-9	992.39	10/13/2004	4.77	---	0.00	---	12.66	0.00	987.62
GMA3-9	992.39	10/15/2004	4.90	---	0.00	---	12.68	0.00	987.49
GMA3-10	997.54	10/8/2004	11.26	10.63	0.63	---	18.02	0.00	986.87
GMA3-10	997.54	10/13/2004	11.41	10.68	0.73	---	18.02	0.00	986.81
GMA3-10	997.54	10/22/2004	11.42	10.74	0.68	---	18.02	0.00	986.75
GMA3-10	997.54	10/27/2004	11.48	10.76	0.72	---	18.02	0.00	986.73
GMA3-11	997.25	10/13/2004	10.10	---	0.00	---	18.52	0.00	987.15
GMA3-12	997.84	10/8/2004	11.30	11.01	0.29	---	21.24	0.00	986.81
GMA3-12	997.84	10/13/2004	11.37	11.07	0.30	---	21.25	0.00	986.75
GMA3-12	997.84	10/22/2004	11.45	11.09	0.36	---	21.24	0.00	986.72
GMA3-12	997.84	10/27/2004	11.41	11.14	0.27	---	21.24	0.00	986.68
OBG-2	992.20	10/8/2004	4.81	---	0.00	---	14.87	0.00	987.39
OBG-2	992.20	10/13/2004	5.37	---	0.00	---	14.81	0.00	986.83
UB-MW-10	995.99	10/13/2004	9.23	---	0.00	---	15.69	0.00	986.76
UB-PZ-1	999.70	10/13/2004	Dry	---	0.00	---	12.75	0.00	< 986.95
UB-PZ-2	994.77	10/13/2004	8.85	---	0.00	---	10.42	0.00	985.92
UB-PZ-3	998.15	10/13/2004	11.87	11.43	0.44	---	13.35	0.00	986.69
Unkamet Brook Staff Gauges									
GMA3-SG-1	983.44	10/14/2004	2.98	See Note 6 regarding depth to water					986.42
GMA3-SG-2	NA	10/14/2004	0.43	See Note 6 regarding depth to water					NA
GMA3-SG-3	985.53	10/14/2004	1.86	See Note 6 regarding depth to water					987.39

TABLE 23-4
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 3

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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)
GMA3-SG-4	NA	10/14/2004	NA	See Note 6 regarding depth to water					NA

Notes:

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

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

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

a. Activities Undertaken/Completed

- Conducted semi-annual groundwater elevation monitoring event.

- Conducted GMA4 interim OPCA-related groundwater quality sampling and analysis for fall 2004.

b. Sampling/Test Results Received

- See attached tables.

- Preliminary analytical results received in October 2004 from the fall 2004 GMA 4 interim / OPCA groundwater quality monitoring activities are shown in Table 24-2. These preliminary results have been compared to the applicable Method 1 GW-2 and GW-3 groundwater standards and UCLs for groundwater set forth in the MCP. None of the groundwater sample results received in October 2004 were at levels above the applicable Method 1 standards or UCLs.

c. Work Plans/Reports/Documents Submitted

None

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

None

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Well UB-MW-5 was found to be dry and was therefore unable to be sampled.

f. Proposed/Approved Work Plan Modifications

None

TABLE 24-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING OCTOBER 2004

GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Semi-Annual Groundwater Sampling	78-1	9/30/04	Water	SGS	PCB (f), VOC, SVOC, Metals (f), CN (f), Sulfide, PCDD/PCDF	10/14/04
Semi-Annual Groundwater Sampling	78-6	10/1/04	Water	SGS	PCB (f), VOC, SVOC, Metals (f), CN (f), Sulfide, PCDD/PCDF	10/14/04
Semi-Annual Groundwater Sampling	GMA4-5	9/28/04	Water	SGS	PCB, PCB (f), VOC, SVOC, EPH	10/15/04
Semi-Annual Groundwater Sampling	H78B-13R	10/1/04	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide,	10/14/04
Semi-Annual Groundwater Sampling	H78B-15	10/4/04	Water	SGS	PCB (f), VOC, SVOC, Metals (f), CN (f), Sulfide, PCDD/PCDF	10/18/04
Semi-Annual Groundwater Sampling	OPCA-MW-1	10/1/04	Water	SGS	PCB (f), VOC, SVOC, Metals (f), CN (f), Sulfide, PCDD/PCDF	10/14/04
Semi-Annual Groundwater Sampling	OPCA-MW-2	10/5/04	Water	SGS	PCB (f), VOC, SVOC, Metals (f), CN (f), Sulfide, PCDD/PCDF	10/20/04
Semi-Annual Groundwater Sampling	OPCA-MW-3	10/6/04	Water	SGS	PCB (f), VOC, SVOC, Metals (f), CN (f), Sulfide, PCDD/PCDF	10/20/04
Semi-Annual Groundwater Sampling	OPCA-MW-4	10/4/04	Water	SGS	PCB (f), VOC, SVOC, Metals (f), CN (f), Sulfide, PCDD/PCDF	10/18/04
Semi-Annual Groundwater Sampling	OPCA-MW-5R	10/4/04	Water	SGS	PCB (f), VOC, SVOC, Metals (f), CN (f), Sulfide, PCDD/PCDF	10/18/04
Semi-Annual Groundwater Sampling	OPCA-MW-6	10/4/04	Water	SGS	PCB (f), VOC, SVOC, Metals (f), CN (f), Sulfide, PCDD/PCDF	10/18/04
Semi-Annual Groundwater Sampling	OPCA-MW-7	10/4/04	Water	SGS	PCB (f), VOC, SVOC, Metals (f), CN (f), Sulfide, PCDD/PCDF	10/18/04
Semi-Annual Groundwater Sampling	OPCA-MW-8	10/5/04	Water	SGS	PCB (f), VOC, SVOC, Metals (f), CN (f), Sulfide, PCDD/PCDF	10/18/04

TABLE 24-2
DATA RECEIVED DURING OCTOBER 2004

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

Parameter / Sample ID: / Date Collected:	78-1 09/30/04	78-6 10/01/04	GMA4-5 09/28/04	H78B-13R 10/01/04
Volatile Organics				
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Xylenes (total)	ND(0.010)	ND(0.010)	ND(0.010)	0.0031 J
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)	0.0031 J
PCBs-Unfiltered				
Aroclor-1254	NA	NA	ND(0.000065)	ND(0.000065)
Aroclor-1260	NA	NA	ND(0.000065)	ND(0.000065)
Total PCBs	NA	NA	ND(0.000065)	ND(0.000065)
PCBs-Filtered				
Aroclor-1254	0.000045 J	0.000022 J	ND(0.000065)	ND(0.000065)
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	0.000045 J	0.000022 J	ND(0.000065)	ND(0.000065)
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Extractable Petroleum Hydrocarbons				
None Detected	NA	NA	--	NA
Furans				
2,3,7,8-TCDF	ND(0.0000000015)	ND(0.0000000013)	NA	ND(0.0000000012)
TCDFs (total)	ND(0.0000000062)	ND(0.0000000059)	NA	ND(0.0000000017)
1,2,3,7,8-PeCDF	ND(0.0000000022)	ND(0.0000000018)	NA	ND(0.0000000018)
2,3,4,7,8-PeCDF	ND(0.0000000022)	ND(0.0000000018)	NA	ND(0.0000000018)
PeCDFs (total)	ND(0.0000000094)	ND(0.0000000024)	NA	ND(0.0000000018)
1,2,3,4,7,8-HxCDF	ND(0.0000000022)	ND(0.0000000018)	NA	ND(0.0000000016)
1,2,3,6,7,8-HxCDF	ND(0.0000000020)	ND(0.0000000017)	NA	ND(0.0000000015)
1,2,3,7,8,9-HxCDF	ND(0.0000000026)	ND(0.0000000021)	NA	ND(0.0000000018)
2,3,4,6,7,8-HxCDF	ND(0.0000000022)	ND(0.0000000019)	NA	ND(0.0000000016)
HxCDFs (total)	ND(0.0000000026)	ND(0.0000000021)	NA	ND(0.0000000018)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000022)	ND(0.0000000016)	NA	ND(0.0000000013)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000023)	ND(0.0000000020)	NA	ND(0.0000000016)
HpCDFs (total)	ND(0.0000000023)	ND(0.0000000020)	NA	ND(0.0000000016)
OCDF	ND(0.0000000032)	ND(0.0000000026)	NA	ND(0.0000000026)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000021)	ND(0.0000000016)	NA	ND(0.0000000015)
TCDDs (total)	ND(0.0000000021)	ND(0.0000000016)	NA	ND(0.0000000015)
1,2,3,7,8-PeCDD	ND(0.0000000034)	ND(0.0000000028)	NA	ND(0.0000000027)
PeCDDs (total)	ND(0.0000000034)	ND(0.0000000028)	NA	ND(0.0000000027)
1,2,3,4,7,8-HxCDD	ND(0.0000000026)	ND(0.0000000025)	NA	ND(0.0000000021)
1,2,3,6,7,8-HxCDD	ND(0.0000000023)	ND(0.0000000022)	NA	ND(0.0000000019)
1,2,3,7,8,9-HxCDD	ND(0.0000000024)	ND(0.0000000023)	NA	ND(0.0000000019)
HxCDDs (total)	ND(0.0000000026)	ND(0.0000000025)	NA	ND(0.0000000021)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000026)	ND(0.0000000027)	NA	ND(0.0000000023)
HpCDDs (total)	ND(0.0000000026)	ND(0.0000000027)	NA	ND(0.0000000023)
OCDD	ND(0.0000000068)	ND(0.0000000051)	NA	ND(0.0000000041)
Total TEQs (WHO TEFs)	0.0000000043	0.0000000035	NA	0.0000000033

TABLE 24-2
DATA RECEIVED DURING OCTOBER 2004

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

Parameter / Sample ID: / Date Collected:	78-1 09/30/04	78-6 10/01/04	GMA4-5 09/28/04	H78B-13R 10/01/04
Inorganics-Unfiltered				
Antimony	NA	NA	NA	ND(0.0600)
Arsenic	NA	NA	NA	0.00520 B
Barium	NA	NA	NA	0.0870 B
Chromium	NA	NA	NA	ND(0.0100)
Copper	NA	NA	NA	0.00140 B
Cyanide	NA	NA	NA	0.00290 B
Mercury	NA	NA	NA	0.0000900 B
Nickel	NA	NA	NA	ND(0.0400)
Selenium	NA	NA	NA	ND(0.00500)
Silver	NA	NA	NA	ND(0.00500)
Zinc	NA	NA	NA	0.0150 B
Inorganics-Filtered				
Antimony	ND(0.0600)	ND(0.0600)	NA	ND(0.0600)
Arsenic	ND(0.0100)	0.00590 B	NA	ND(0.0100)
Barium	0.0230 B	0.0550 B	NA	0.0590 B
Chromium	ND(0.0100)	ND(0.0100)	NA	ND(0.0100)
Copper	ND(0.0250)	ND(0.0250)	NA	ND(0.0250)
Cyanide	ND(0.0100)	ND(0.0100)	NA	0.00270 B
Mercury	ND(0.000200)	ND(0.000200)	NA	ND(0.000200)
Nickel	ND(0.0400)	ND(0.0400)	NA	ND(0.0400)
Selenium	ND(0.00500)	ND(0.00500)	NA	ND(0.00500)
Silver	ND(0.00500)	0.00110 B	NA	ND(0.00500)
Zinc	0.00790 B	ND(0.0200)	NA	ND(0.0200)

TABLE 24-2
DATA RECEIVED DURING OCTOBER 2004

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

Parameter / Sample ID: / Date Collected:	H78B-15 10/04/04	OPCA-MW-1 10/01/04	OPCA-MW-2 10/05/04
Volatile Organics			
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Xylenes (total)	ND(0.010)	ND(0.010)	ND(0.010)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)
PCBs-Unfiltered			
Aroclor-1254	NA	NA	NA
Aroclor-1260	NA	NA	NA
Total PCBs	NA	NA	NA
PCBs-Filtered			
Aroclor-1254	0.000035 J	0.000092	0.000020 J
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	0.000035 J	0.000092	0.000020 J
Semivolatile Organics			
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)
Extractable Petroleum Hydrocarbons			
None Detected	NA	NA	NA
Furans			
2,3,7,8-TCDF	ND(0.0000000026)	ND(0.0000000031)	ND(0.0000000028)
TCDFs (total)	ND(0.0000000026)	0.000000015	ND(0.0000000028)
1,2,3,7,8-PeCDF	ND(0.0000000010)	ND(0.0000000022)	ND(0.0000000050)
2,3,4,7,8-PeCDF	ND(0.0000000010)	ND(0.0000000022)	ND(0.0000000048)
PeCDFs (total)	ND(0.0000000018)	ND(0.0000000054)	ND(0.0000000050)
1,2,3,4,7,8-HxCDF	ND(0.00000000085)	ND(0.0000000018)	ND(0.0000000041)
1,2,3,6,7,8-HxCDF	ND(0.00000000071)	ND(0.0000000017)	ND(0.0000000039)
1,2,3,7,8,9-HxCDF	ND(0.00000000092)	ND(0.0000000021)	ND(0.0000000049)
2,3,4,6,7,8-HxCDF	ND(0.00000000082)	ND(0.0000000018)	ND(0.0000000043)
HxCDFs (total)	ND(0.00000000092)	ND(0.0000000021)	ND(0.0000000049)
1,2,3,4,6,7,8-HpCDF	ND(0.00000000054)	ND(0.0000000018)	ND(0.0000000028)
1,2,3,4,7,8,9-HpCDF	ND(0.00000000064)	ND(0.0000000021)	ND(0.0000000034)
HpCDFs (total)	ND(0.00000000064)	ND(0.0000000021)	ND(0.0000000034)
OCDF	ND(0.0000000027)	ND(0.0000000026)	ND(0.0000000077)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000011)	ND(0.0000000016)	ND(0.0000000033)
TCDDs (total)	ND(0.0000000011)	ND(0.0000000016)	ND(0.0000000033)
1,2,3,7,8-PeCDD	ND(0.0000000025)	ND(0.0000000027)	ND(0.0000000072)
PeCDDs (total)	ND(0.0000000025)	ND(0.0000000027)	ND(0.0000000072)
1,2,3,4,7,8-HxCDD	ND(0.0000000011)	ND(0.0000000026)	ND(0.0000000049)
1,2,3,6,7,8-HxCDD	ND(0.00000000087)	ND(0.0000000024)	ND(0.0000000044)
1,2,3,7,8,9-HxCDD	ND(0.00000000091)	ND(0.0000000024)	ND(0.0000000045)
HxCDDs (total)	ND(0.0000000012)	ND(0.0000000026)	ND(0.0000000049)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000013)	ND(0.0000000023)	ND(0.0000000048)
HpCDDs (total)	ND(0.0000000013)	ND(0.0000000023)	ND(0.0000000048)
OCDD	ND(0.0000000028)	ND(0.0000000044)	ND(0.0000000056)
Total TEQs (WHO TEFs)	0.0000000025	0.0000000037	0.0000000083

TABLE 24-2
DATA RECEIVED DURING OCTOBER 2004

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

Parameter / Sample ID: / Date Collected:	H78B-15 10/04/04	OPCA-MW-1 10/01/04	OPCA-MW-2 10/05/04
Inorganics-Unfiltered			
Antimony	NA	NA	NA
Arsenic	NA	NA	NA
Barium	NA	NA	NA
Chromium	NA	NA	NA
Copper	NA	NA	NA
Cyanide	NA	NA	NA
Mercury	NA	NA	NA
Nickel	NA	NA	NA
Selenium	NA	NA	NA
Silver	NA	NA	NA
Zinc	NA	NA	NA
Inorganics-Filtered			
Antimony	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	0.00800 B	0.0170 B	0.0180 B
Chromium	ND(0.0100)	ND(0.0100)	ND(0.0100)
Copper	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide	ND(0.0100)	ND(0.0100)	ND(0.0100)
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	0.00210 B	ND(0.0400)	0.00200 B
Selenium	ND(0.00500)	ND(0.00500)	0.00880
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)
Zinc	0.00200 B	0.00180 B	0.00780 B

TABLE 24-2
DATA RECEIVED DURING OCTOBER 2004

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

Parameter / Sample ID: / Date Collected:	OPCA-MW-3 10/06/04	OPCA-MW-4 10/04/04	OPCA-MW-5R 10/04/04
Volatile Organics			
Chlorobenzene	ND(0.0050)	ND(0.0050)	0.0030 J
Toluene	ND(0.0050)	ND(0.0050)	0.00057 J
Trichloroethene	ND(0.0050)	0.0015 J	ND(0.0050)
Xylenes (total)	ND(0.010)	ND(0.010)	ND(0.010)
Total VOCs	ND(0.20)	0.0015 J	0.0036 J
PCBs-Unfiltered			
Aroclor-1254	NA	NA	NA
Aroclor-1260	NA	NA	NA
Total PCBs	NA	NA	NA
PCBs-Filtered			
Aroclor-1254	ND(0.000065)	0.00017	0.000041 J
Aroclor-1260	ND(0.000065)	0.000058 J	0.000043 J
Total PCBs	ND(0.000065)	0.000228	0.000084 J
Semivolatile Organics			
Acenaphthene	0.0027 J	ND(0.010)	ND(0.010)
Extractable Petroleum Hydrocarbons			
None Detected	NA	NA	NA
Furans			
2,3,7,8-TCDF	ND(0.0000000030)	ND(0.0000000023)	ND(0.0000000023)
TCDFs (total)	ND(0.0000000030)	ND(0.0000000023)	ND(0.0000000023)
1,2,3,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000011)	ND(0.0000000013)
2,3,4,7,8-PeCDF	ND(0.0000000050)	ND(0.0000000010)	ND(0.0000000012)
PeCDFs (total)	ND(0.0000000052)	ND(0.0000000020)	ND(0.0000000016)
1,2,3,4,7,8-HxCDF	ND(0.0000000044)	ND(0.0000000014)	ND(0.00000000085)
1,2,3,6,7,8-HxCDF	ND(0.0000000042)	ND(0.00000000071)	ND(0.00000000069)
1,2,3,7,8,9-HxCDF	ND(0.0000000052)	ND(0.00000000091)	ND(0.00000000088)
2,3,4,6,7,8-HxCDF	ND(0.0000000046)	ND(0.00000000082)	ND(0.00000000079)
HxCDFs (total)	ND(0.0000000052)	ND(0.0000000014)	ND(0.00000000088)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000034)	ND(0.00000000074)	ND(0.00000000049)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000041)	ND(0.00000000069)	ND(0.00000000058)
HpCDFs (total)	ND(0.0000000041)	ND(0.00000000086)	ND(0.00000000070)
OCDF	ND(0.0000000081)	ND(0.0000000032)	ND(0.0000000024)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000036)	ND(0.00000000098)	ND(0.00000000097)
TCDDs (total)	ND(0.0000000036)	ND(0.0000000012)	ND(0.00000000097)
1,2,3,7,8-PeCDD	ND(0.0000000071)	ND(0.0000000020)	ND(0.0000000026)
PeCDDs (total)	ND(0.0000000071)	ND(0.0000000020)	ND(0.0000000026)
1,2,3,4,7,8-HxCDD	ND(0.0000000056)	ND(0.0000000011)	ND(0.0000000012)
1,2,3,6,7,8-HxCDD	ND(0.0000000050)	ND(0.00000000086)	ND(0.00000000090)
1,2,3,7,8,9-HxCDD	ND(0.0000000051)	ND(0.00000000089)	ND(0.00000000094)
HxCDDs (total)	ND(0.0000000056)	ND(0.0000000018)	ND(0.0000000012)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000060)	ND(0.0000000013)	ND(0.0000000010)
HpCDDs (total)	ND(0.0000000060)	ND(0.0000000013)	ND(0.0000000010)
OCDD	ND(0.0000000062)	ND(0.0000000059)	ND(0.0000000076)
Total TEQs (WHO TEFs)	0.0000000087	0.0000000022	0.0000000026

TABLE 24-2
DATA RECEIVED DURING OCTOBER 2004

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

Parameter / Sample ID: / Date Collected:	OPCA-MW-3 10/06/04	OPCA-MW-4 10/04/04	OPCA-MW-5R 10/04/04
Inorganics-Unfiltered			
Antimony	NA	NA	NA
Arsenic	NA	NA	NA
Barium	NA	NA	NA
Chromium	NA	NA	NA
Copper	NA	NA	NA
Cyanide	NA	NA	NA
Mercury	NA	NA	NA
Nickel	NA	NA	NA
Selenium	NA	NA	NA
Silver	NA	NA	NA
Zinc	NA	NA	NA
Inorganics-Filtered			
Antimony	0.00950 B	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	0.0600 B	0.0590 B	0.0880 B
Chromium	0.00110 B	ND(0.0100)	ND(0.0100)
Copper	0.00390 B	ND(0.0250)	0.00140 B
Cyanide	ND(0.0100)	ND(0.0100)	ND(0.0100)
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	0.00410 B	ND(0.0400)	0.00180 B
Selenium	0.00770	ND(0.00500)	ND(0.00500)
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)
Zinc	0.00290 B	0.180	0.00180 B

TABLE 24-2
DATA RECEIVED DURING OCTOBER 2004

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

Parameter / Sample ID: / Date Collected:	OPCA-MW-6 10/04/04	OPCA-MW-7 10/04/04	OPCA-MW-8 10/05/04
Volatile Organics			
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Xylenes (total)	ND(0.010)	ND(0.010)	ND(0.010)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)
PCBs-Unfiltered			
Aroclor-1254	NA	NA	NA
Aroclor-1260	NA	NA	NA
Total PCBs	NA	NA	NA
PCBs-Filtered			
Aroclor-1254	ND(0.000065)	ND(0.000065)	0.000041 J
Aroclor-1260	ND(0.000065)	ND(0.000065)	0.000025 J
Total PCBs	ND(0.000065)	ND(0.000065)	0.000066 J
Semivolatile Organics			
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)
Extractable Petroleum Hydrocarbons			
None Detected	NA	NA	NA
Furans			
2,3,7,8-TCDF	ND(0.0000000030)	ND(0.0000000027)	ND(0.0000000024)
TCDFs (total)	ND(0.0000000030)	ND(0.0000000027)	ND(0.0000000024)
1,2,3,7,8-PeCDF	ND(0.0000000012)	ND(0.0000000011)	ND(0.0000000013)
2,3,4,7,8-PeCDF	ND(0.0000000011)	ND(0.0000000011)	ND(0.0000000013)
PeCDFs (total)	ND(0.0000000020)	ND(0.0000000020)	ND(0.0000000018)
1,2,3,4,7,8-HxCDF	ND(0.0000000013)	ND(0.0000000011)	ND(0.0000000019)
1,2,3,6,7,8-HxCDF	ND(0.00000000068)	ND(0.00000000051)	ND(0.00000000073)
1,2,3,7,8,9-HxCDF	ND(0.00000000088)	ND(0.00000000066)	ND(0.00000000094)
2,3,4,6,7,8-HxCDF	ND(0.00000000078)	ND(0.00000000059)	ND(0.00000000084)
HxCDFs (total)	ND(0.0000000013)	ND(0.0000000011)	ND(0.0000000019)
1,2,3,4,6,7,8-HpCDF	ND(0.00000000052)	ND(0.00000000057)	ND(0.0000000021)
1,2,3,4,7,8,9-HpCDF	ND(0.00000000062)	ND(0.00000000061)	ND(0.00000000075)
HpCDFs (total)	ND(0.00000000062)	ND(0.00000000061)	ND(0.0000000021)
OCDF	ND(0.0000000030)	ND(0.0000000029)	ND(0.0000000024)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000012)	ND(0.00000000097)	ND(0.00000000087)
TCDDs (total)	ND(0.0000000012)	ND(0.00000000097)	ND(0.00000000087)
1,2,3,7,8-PeCDD	ND(0.0000000023)	ND(0.0000000018)	ND(0.0000000022)
PeCDDs (total)	ND(0.0000000023)	ND(0.0000000018)	ND(0.0000000022)
1,2,3,4,7,8-HxCDD	ND(0.0000000013)	ND(0.0000000018)	ND(0.0000000012)
1,2,3,6,7,8-HxCDD	ND(0.00000000099)	ND(0.0000000014)	ND(0.00000000095)
1,2,3,7,8,9-HxCDD	ND(0.0000000010)	ND(0.0000000015)	ND(0.00000000099)
HxCDDs (total)	ND(0.0000000013)	ND(0.0000000018)	ND(0.0000000012)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000011)	ND(0.0000000012)	ND(0.0000000011)
HpCDDs (total)	ND(0.0000000011)	ND(0.0000000012)	ND(0.0000000011)
OCDD	ND(0.0000000018)	ND(0.0000000027)	ND(0.0000000068)
Total TEQs (WHO TEFs)	0.0000000026	0.0000000022	0.0000000024

TABLE 24-2
DATA RECEIVED DURING OCTOBER 2004

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

Parameter / Sample ID: / Date Collected:	OPCA-MW-6 10/04/04	OPCA-MW-7 10/04/04	OPCA-MW-8 10/05/04
Inorganics-Unfiltered			
Antimony	NA	NA	NA
Arsenic	NA	NA	NA
Barium	NA	NA	NA
Chromium	NA	NA	NA
Copper	NA	NA	NA
Cyanide	NA	NA	NA
Mercury	NA	NA	NA
Nickel	NA	NA	NA
Selenium	NA	NA	NA
Silver	NA	NA	NA
Zinc	NA	NA	NA
Inorganics-Filtered			
Antimony	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	0.0320 B	0.0140 B	0.0340 B
Chromium	ND(0.0100)	0.00110 B	0.00300 B
Copper	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide	0.00220 B	ND(0.0100)	ND(0.0100)
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500)	ND(0.00500)	ND(0.00500)
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)
Zinc	0.00220 B	0.00320 B	0.0130 B

TABLE 24-2
DATA RECEIVED DURING OCTOBER 2004

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

Notes:

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

Data Qualifiers:

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

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

TABLE 24-3
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 4

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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)
060A	1,001.71	10/15/2004	14.45	---	0.00	---	47.30	0.00	987.26
060B-R	1,002.79	10/13/2004	14.93	---	0.00	---	20.87	0.00	987.86
78-1	1,026.32	9/30/2004	8.27	---	0.00	---	22.24	0.00	1,018.05
78-1	1,026.32	10/13/2004	10.02	---	0.00	---	22.46	0.00	1,016.30
78-2	1,033.96	10/13/2004	8.93	---	0.00	---	20.77	0.00	1,025.03
78-3	1,007.13	10/13/2004	16.87	---	0.00	---	24.91	0.00	990.26
78-4	998.55	10/13/2004	12.56	---	0.00	---	21.42	0.00	985.99
78-5R	997.36	10/13/2004	5.25	---	0.00	---	18.48	0.00	992.11
78-6	1,012.00	10/1/2004	5.89	---	0.00	---	17.45	0.00	1,006.11
78-6	1,012.00	10/13/2004	7.69	---	0.00	---	17.59	0.00	1,004.31
GMA4-1	1,012.35	10/13/2004	23.01	---	0.00	---	28.26	0.00	989.34
GMA4-2	1,006.22	10/13/2004	12.27	---	0.00	---	19.90	0.00	993.95
GMA4-3	1,003.95	10/13/2004	17.14	---	0.00	---	26.36	0.00	986.81
GMA4-4	999.64	10/13/2004	12.26	---	0.00	---	23.30	0.00	987.38
H78B-13R	992.93	9/30/2004	10.62	---	0.00	---	19.94	0.00	982.31
H78B-13R	992.93	10/1/2004	10.66	---	0.00	---	20.06	0.00	982.27
H78B-13R	992.93	10/13/2004	10.74	---	0.00	---	20.04	0.00	982.19
H78B-15	1,012.68	10/13/2004	15.92	---	0.00	---	18.24	0.00	996.76
H78B-16	999.33	10/13/2004	12.38	---	0.00	---	16.96	0.00	986.95
H78B-17	1,002.54	10/13/2004	16.50	---	0.00	---	19.04	0.00	986.04
H78B-17R	1,000.31	10/13/2004	13.43	---	0.00	---	25.21	0.00	986.88
NY-4	1,024.24	10/15/2004	8.32	---	0.00	---	31.35	0.00	1,015.92
OPCA-MW-1	1,019.60	10/1/2004	7.65	---	0.00	---	32.60	0.00	1,011.95
OPCA-MW-1	1,019.60	10/13/2004	8.88	---	0.00	---	32.72	0.00	1,010.72
OPCA-MW-2	1,019.58	10/5/2004	17.04	---	0.00	---	25.17	0.00	1,002.54
OPCA-MW-2	1,019.58	10/13/2004	17.20	---	0.00	---	25.44	0.00	1,002.38
OPCA-MW-3	1,014.83	10/6/2004	18.77	---	0.00	---	27.43	0.00	996.06
OPCA-MW-3	1,014.83	10/13/2004	18.96	---	0.00	---	27.53	0.00	995.87
OPCA-MW-4	1,018.67	10/13/2004	12.08	---	0.00	---	21.59	0.00	1,006.59
OPCA-MW-5R	1,016.34	10/13/2004	10.75	---	0.00	---	21.73	0.00	1,005.59
OPCA-MW-6	1,022.31	10/4/2004	16.98	---	0.00	---	24.02	0.00	1,005.33
OPCA-MW-6	1,022.31	10/13/2004	17.21	---	0.00	---	23.96	0.00	1,005.10
OPCA-MW-7	1,026.57	10/13/2004	15.61	---	0.00	---	23.74	0.00	1,010.96
OPCA-MW-8	1,027.40	10/5/2004	10.01	---	0.00	---	21.78	0.00	1,017.39
OPCA-MW-8	1,027.40	10/13/2004	7.53	---	0.00	---	21.99	0.00	1,019.87
RF-14	1,001.59	10/15/2004	8.82	---	0.00	---	22.62	0.00	992.77
RF-15	1,011.80	10/15/2004	11.46	---	0.00	---	20.60	0.00	1,000.34
UB-MW-5	1,006.06	10/15/2004	14.76	---	0.00	---	15.36	0.00	991.30
UB-MW-5	1,006.06	10/22/2004	14.97	---	0.00	---	15.49	0.00	991.09
UB-MW-6	1,019.79	10/13/2004	20.83	---	0.00	---	35.11	0.00	998.96
Commercial Street Area (South of GMA 4)									
GMA4-5	993.34	10/13/2004	10.92	---	0.00	---	18.28	0.00	982.42
MW-1	984.34	10/13/2004	8.42	---	0.00	---	14.82	0.00	975.92
MW-2	983.12	10/13/2004	7.81	---	0.00	---	13.83	0.00	975.31
MW-3	986.73	10/13/2004	10.28	---	0.00	---	15.10	0.00	976.45
MW-4	985.73	10/13/2004	9.46	---	0.00	---	14.43	0.00	976.27
MW-5	983.53	10/13/2004	8.96	---	0.00	---	17.60	0.00	974.57
MW-6	987.65	10/13/2004	8.98	---	0.00	---	14.72	0.00	978.67

TABLE 24-3
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 4

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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)
MW-7	984.73	10/13/2004	2.76	---	0.00	---	14.78	0.00	981.97
MW-8	984.94	10/13/2004	6.23	---	0.00	---	14.74	0.00	978.71
MW-10	988.87	10/13/2004	8.18	---	0.00	---	17.78	0.00	980.69

Notes:

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

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

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

a. Activities Undertaken/Completed

Conducted semi-annual groundwater elevation monitoring for fall 2004.

b. Sampling/Test Results Received

See attached table.

c. Work Plans/Reports/Documents Submitted

None

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

None

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 25-1
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 5

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
October 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 5 - Former Oxbow Area A									
GES-7	992.10	10/13/2004	15.35	---	0.00	---	16.74	0.00	976.75
GES-8	990.15	10/13/2004	14.78	---	0.00	---	16.80	0.00	975.37
GES-9	990.72	10/13/2004	16.56	---	0.00	---	16.58	0.00	974.16
GMA 5-1	984.59	10/13/2004	8.78	---	0.00	---	15.69	0.00	975.81
GMA 5-3	989.14	10/13/2004	17.97	---	0.00	---	24.91	0.00	971.17
GMA 5-4	979.10	10/13/2004	6.91	---	0.00	---	18.13	0.00	972.19
GMA 5-7	986.75	10/13/2004	15.19	---	0.00	---	27.80	0.00	971.56
GMA 5-8	984.69	10/13/2004	10.10	---	0.00	---	17.77	0.00	974.59
GT-7	989.76	10/13/2004	19.68	---	0.00	---	24.10	0.00	970.08
GT-101	NA	10/13/2004	18.85	---	0.00	---	24.29	0.00	NA
GT-102	NA	10/13/2004	19.38	---	0.00	---	24.62	0.00	NA
RW-2	NA	10/13/2004	18.70	---	0.00	---	20.10	0.00	NA
GMA 5 - Former Oxbow Area C									
C-1	987.82	10/13/2004	14.97	---	0.00	---	23.04	0.00	972.85
C-2	979.25	10/13/2004	4.96	---	0.00	---	18.44	0.00	974.29
GMA 5-2	982.66	10/13/2004	8.28	---	0.00	---	20.67	0.00	974.38
GMA 5-5	982.64	10/13/2004	9.15	---	0.00	---	19.15	0.00	973.49
GMA 5-6	979.23	10/13/2004	6.96	---	0.00	---	15.34	0.00	972.27

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.

Attachment A

NPDES Sampling Records and Results
October 2004

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

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

NPDES PERMIT MONITORING
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
NPDES Sampling	001-A6003	10/4/04	Water	SGS	Oil & Grease	10/15/04
NPDES Sampling	001-A6005	10/4/04	Water	SGS	PCB	10/15/04
NPDES Sampling	001-A6010	10/5/04	Water	SGS	TSS	10/15/04
NPDES Sampling	005-A5990/A5991	9/28/04	Water	SGS	PCB	10/4/04
NPDES Sampling	005-A6011/A6012	10/5/04	Water	SGS	PCB, TSS, BOD	10/15/04
NPDES Sampling	005-A6021/A6023	10/12/04	Water	SGS	PCB	10/21/04
NPDES Sampling	005-A6055/A6056	10/19/04	Water	SGS	PCB	10/25/04
NPDES Sampling	005-A6065/A6066	10/26/04	Water	SGS	PCB	
NPDES Sampling	006-A6035	10/15/04	Water	SGS	Oil & Grease	10/25/04
NPDES Sampling	006-A6037	10/15/04	Water	SGS	PCB	10/25/04
NPDES Sampling	007-A5998	10/2/04	Water	SGS	PCB	10/15/04
NPDES Sampling	01A-A6029	10/15/04	Water	SGS	Oil & Grease	10/25/04
NPDES Sampling	01A-A6031	10/15/04	Water	SGS	PCB	10/25/04
NPDES Sampling	05A-A6032	10/15/04	Water	SGS	Oil & Grease	10/25/04
NPDES Sampling	05A-A6034	10/15/04	Water	SGS	PCB	10/25/04
NPDES Sampling	05B-A6041	10/16/04	Water	SGS	Oil & Grease	10/25/04
NPDES Sampling	05B-A6043	10/16/04	Water	SGS	PCB	10/25/04
NPDES Sampling	09A-A6001	10/3/04	Water	SGS	TSS	10/15/04
NPDES Sampling	09A-A6013	10/5/04	Water	SGS	BOD	10/15/04
NPDES Sampling	09A-A6019	10/11/04	Water	SGS	TSS, BOD	10/19/04
NPDES Sampling	09A-A6044	10/17/04	Water	SGS	TSS	10/25/04
NPDES Sampling	09A-A6063	10/25/04	Water	SGS	TSS, BOD	
NPDES Sampling	09B-A5988	9/27/04	Water	SGS	TSS, BOD	10/4/04
NPDES Sampling	09B-A6002	10/3/04	Water	SGS	TSS	10/15/04
NPDES Sampling	09B-A6014	10/5/04	Water	SGS	BOD	10/15/04
NPDES Sampling	09B-A6045	10/17/04	Water	SGS	TSS	10/25/04
NPDES Sampling	09B-A6050	10/18/04	Water	SGS	BOD	10/25/04
NPDES Sampling	09C-A5994	9/28/04	Water	SGS	Oil & Grease	10/4/04
NPDES Sampling	09C-A5999	10/2/04	Water	SGS	PCB	10/15/04
NPDES Sampling	09C-A6027	10/12/04	Water	SGS	Oil & Grease	10/21/04
NPDES Sampling	09C-A6051	10/19/04	Water	SGS	Oil & Grease	10/25/04
NPDES Sampling	64G-A5986	9/27/04	Water	SGS	Oil & Grease	10/4/04
NPDES Sampling	64G-A6008	10/4/04	Water	SGS	Oil & Grease	10/15/04
NPDES Sampling	64G-A6017	10/11/04	Water	SGS	Oil & Grease	10/19/04
NPDES Sampling	64G-A6022	10/12/04	Water	SGS	SVOC	10/21/04
NPDES Sampling	64G-A6024	10/12/04	Water	SGS	VOC	10/21/04
NPDES Sampling	64G-A6048	10/18/04	Water	SGS	Oil & Grease	10/25/04
NPDES Sampling	64G-A6061	10/25/04	Water	SGS	Oil & Grease	
NPDES Sampling	64T-A5984	9/27/04	Water	SGS	Oil & Grease	10/4/04
NPDES Sampling	64T-A6006	10/4/04	Water	SGS	Oil & Grease	10/15/04
NPDES Sampling	64T-A6015	10/11/04	Water	SGS	Oil & Grease	10/19/04
NPDES Sampling	64T-A6046	10/18/04	Water	SGS	Oil & Grease	10/25/04
NPDES Sampling	64T-A6059	10/25/04	Water	SGS	Oil & Grease	

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

NPDES PERMIT MONITORING
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
NPDES Sampling	A5996R	10/5/04	Water	SGS	Acute Toxicity Test	10/12/04
NPDES Sampling	A5996RCN	10/5/04	Water	SGS	CN	10/15/04
NPDES Sampling	A5996RTM	10/5/04	Water	SGS	Metals (10)	10/15/04
NPDES Sampling	A5997C	10/5/04	Water	SGS	Acute Toxicity Test	10/12/04
NPDES Sampling	A5997CCN	10/5/04	Water	SGS	CN	10/15/04
NPDES Sampling	A5997CDM	10/5/04	Water	SGS	Filtered Metals (8)	10/15/04
NPDES Sampling	A5997CTM	10/5/04	Water	SGS	Metals (10)	10/15/04
NPDES Sampling	OCT04WK1	9/28/04	Water	SGS	Cu, Pb, Zn	10/4/04
NPDES Sampling	OCT04WK3	10/12/04	Water	SGS	Cu, Pb, Zn	10/21/04
NPDES Sampling	OCT04WK4	10/19/04	Water	SGS	Cu, Pb, Zn	10/25/04
NPDES Sampling	OCT04WK5	10/26/04	Water	SGS	Cu, Pb, Zn	
NPDES Sampling	SR068-A6038	10/16/04	Water	SGS	Oil & Grease	10/25/04
NPDES Sampling	SR068-A6040	10/16/04	Water	SGS	PCB	10/25/04

TABLE A-2
DATA RECEIVED DURING OCTOBER 2004

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

Parameter / Sample ID: / Date Collected:	001-A6003 10/04/04	001-A6005 10/04/04	001-A6010 10/05/04	01A-A6029 10/15/04	01A-A6031 10/15/04	005-A5990/A5991 09/28/04	005-A6011/A6012 10/05/04
Volatile Organics							
None Detected	NA	NA	NA	NA	NA	NA	NA
PCBs-Unfiltered							
Aroclor-1254	NA	0.000073	NA	NA	0.00027	0.000018 J	0.000028 J
Aroclor-1260	NA	0.000025 J	NA	NA	0.00011	ND(0.000065)	ND(0.000065)
Total PCBs	NA	0.000098	NA	NA	0.00038	0.000018 J	0.000028 J
Semivolatile Organics							
None Detected	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered							
Aluminum	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered							
Aluminum	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA
Conventionals							
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	1.9 B
Oil & Grease	ND(5.0)	NA	NA	ND(5.0)	NA	NA	NA
Total Suspended Solids	NA	NA	ND(5.00)	NA	NA	NA	ND(5.00)

TABLE A-2
DATA RECEIVED DURING OCTOBER 2004

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

Parameter / Sample ID: / Date Collected:	005-A6021/A6023 10/12/04	005-A6055/A6056 10/19/04	05A-A6032 10/15/04	05A-A6034 10/15/04	05B-A6041 10/16/04	05B-A6043 10/16/04	006-A6035 10/15/04	006-A6037 10/15/04
Volatile Organics								
None Detected	NA	NA	NA	NA	NA	NA	NA	NA
PCBs-Unfiltered								
Aroclor-1254	ND(0.000065)	0.000061 J	NA	0.00070	NA	0.0013	NA	0.000091
Aroclor-1260	ND(0.000065)	0.000060 J	NA	0.0012	NA	0.0017	NA	0.000081
Total PCBs	ND(0.000065)	0.000121 J	NA	0.0019	NA	0.0030	NA	0.000172
Semivolatile Organics								
None Detected	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals								
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	NA	NA	ND(5.0)	NA	ND(5.0)	NA	ND(5.0)	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING OCTOBER 2004

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

Parameter / Sample ID: / Date Collected:	007-A5998 10/02/04	09A-A6001 10/03/04	09A-A6013 10/05/04	09A-A6019 10/11/04	09A-A6044 10/17/04	09B-A5988 09/27/04	09B-A6002 10/03/04	09B-A6014 10/05/04	09B-A6045 10/17/04
Volatile Organics									
None Detected	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs-Unfiltered									
Aroclor-1254	0.00029	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	0.00026	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	0.00055	NA	NA	NA	NA	NA	NA	NA	NA
Semivolatile Organics									
None Detected	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	1.8 B	ND(2.0)	NA	ND(2.0)	NA	4.6	NA
Oil & Grease	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	7.00	NA	10.0	15.0	8.00	8.00	NA	7.00

TABLE A-2
DATA RECEIVED DURING OCTOBER 2004

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

Parameter / Sample ID: / Date Collected:	09B-A6050 10/18/04	09C-A5994 09/28/04	09C-A5999 10/02/04	09C-A6027 10/12/04	09C-A6051 10/19/04	64G-A5986 09/27/04	64G-A6008 10/04/04	64G-A6017 10/11/04	64G-A6022 10/12/04
Volatile Organics									
None Detected	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs-Unfiltered									
Aroclor-1254	NA	NA	0.000070	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	0.000057 J	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	0.000127	NA	NA	NA	NA	NA	NA
Semivolatile Organics									
None Detected	NA	NA	NA	NA	NA	NA	NA	NA	--
Inorganics-Unfiltered									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals									
Biological Oxygen Demand (5-day)	ND(2.0)	NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	NA	ND(5.0)	NA	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING OCTOBER 2004

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

Parameter / Sample ID: / Date Collected:	64G-A6024 10/12/04	64G-A6048 10/18/04	64T-A5984 09/27/04	64T-A6006 10/04/04	64T-A6015 10/11/04	64T-A6046 10/18/04	A5996RCN 10/05/04	A5996RTM 10/05/04	A5997CCN 10/05/04
Volatile Organics									
None Detected	--	NA	NA	NA	NA	NA	NA	NA	NA
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
Semivolatile Organics									
None Detected	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered									
Aluminum	NA	NA	NA	NA	NA	NA	NA	ND(0.100)	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	ND(0.00100)	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	13.0	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	ND(0.00500)	NA
Copper	NA	NA	NA	NA	NA	NA	NA	ND(0.00500)	NA
Cyanide	NA	NA	NA	NA	NA	NA	0.00260 B	NA	0.0520
Lead	NA	NA	NA	NA	NA	NA	NA	ND(0.00500)	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	4.50	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	ND(0.00500)	NA
Silver	NA	NA	NA	NA	NA	NA	NA	0.00190 B	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	0.0170 B	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	NA	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING OCTOBER 2004

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

Parameter / Sample ID: / Date Collected:	A5997CDM 10/05/04	A5997CTM 10/05/04	OCT04WK1 09/28/04	OCT04WK3 10/12/04	OCT04WK4 10/19/04	SR068-A6038 10/16/04	SR068-A6040 10/16/04
Volatile Organics							
None Detected	NA	NA	NA	NA	NA	NA	NA
PCBs-Unfiltered							
Aroclor-1254	NA	NA	NA	NA	NA	NA	0.00040
Aroclor-1260	NA	NA	NA	NA	NA	NA	0.00036
Total PCBs	NA	NA	NA	NA	NA	NA	0.00076
Semivolatile Organics							
None Detected	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered							
Aluminum	NA	ND(0.100)	NA	NA	NA	NA	NA
Cadmium	NA	ND(0.00100)	NA	NA	NA	NA	NA
Calcium	NA	70.0	NA	NA	NA	NA	NA
Chromium	NA	ND(0.00500)	NA	NA	NA	NA	NA
Copper	NA	0.00300 B	0.00540	0.00660	0.00870	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA
Lead	NA	ND(0.00500)	0.00470 B	ND(0.00500)	ND(0.00500)	NA	NA
Magnesium	NA	29.0	NA	NA	NA	NA	NA
Nickel	NA	0.00290 B	NA	NA	NA	NA	NA
Silver	NA	ND(0.00500)	NA	NA	NA	NA	NA
Zinc	NA	0.0190 B	0.0180 B	0.0180 B	0.0310	NA	NA
Inorganics-Filtered							
Aluminum	ND(0.100)	NA	NA	NA	NA	NA	NA
Cadmium	ND(0.00100)	NA	NA	NA	NA	NA	NA
Chromium	ND(0.00500)	NA	NA	NA	NA	NA	NA
Copper	ND(0.00500)	NA	NA	NA	NA	NA	NA
Lead	ND(0.00500)	NA	NA	NA	NA	NA	NA
Nickel	ND(0.00500)	NA	NA	NA	NA	NA	NA
Silver	ND(0.00500)	NA	NA	NA	NA	NA	NA
Zinc	0.0220	NA	NA	NA	NA	NA	NA
Conventionals							
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	NA	NA	NA	NA	NA	ND(5.0)	NA
Total Suspended Solids	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 volatiles, PCBs, semivolatiles, 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.
5. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics

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

Inorganics and Conventional Parameters

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

Attachment B

NPDES Discharge Monitoring Reports
September 2004

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

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

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

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

MA0003891 PERMIT NUMBER | 001 1 DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 04 MO 09 DAY 01 TO YEAR 04 MO 09 DAY 30

Form Approved. OMB No. 2040-00

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

*** 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	******	******		7.4	******	8.0	(12) SU	0	01/07	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	1.0	1.0	(26) LBS/DY	******	******	******		0	01/30	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	138 MO AVG	628 DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMP
OIL & GREASE	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	0	(19) MG/L	0	01/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	319 DAILY MX	LBS/DY	******	******	15 DAILY MX	MG/L		ONCE/ MONTH	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	0.00004	(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	0.217	1.291	(03) MGD	******	******	******		0	99/99	RC
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1.10 MO AVG	2.55 DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	RCORD
	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: 413 494-3500 (AREA CODE, NUMBER)

DATE: 2004 10 20 (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)

MA0003891 — PERMIT NUMBER
004 1 — DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 04 MO 09 DAY 01 TO YEAR 04 MO 09 DAY 30

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

*** NO DISCHARGE | __ | ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-00[illegible]

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	******	******		7.3	******	8.1	(12) SU	0	01/DW	GR
00400 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG
OIL & GREASE	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	0	(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	******	0.00182	(26) LBS/DY	******	******	******		0	01/90	GR
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	0.002	0.022	(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	RCORD
	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 10 DAY 20

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)

Form Approved.
OMB No. 2040-00

MA0003891 — PERMIT NUMBER
005 1 — DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 04 MO 09 DAY 01 TO YEAR 04 MO 09 DAY 30

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

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C) 00310 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0	0	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	70 MO AVG	135 DAILY MX	LBS/DY	******	******	******	***** *****		ONCE/ MONTH	COMPO
SOLIDS, TOTAL SUSPENDED 00530 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0	0	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	188 MO AVG	270 DAILY MX	LBS/DY	******	******	******	***** *****		ONCE/ MONTH	COMPO
OIL & GREASE 00556 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	0	(19) MG/L	0	01/07	GR
	PERMIT REQUIREMENT	******	135 DAILY MX	LBS/DY	******	******	15 DAILY MX	MG/L		WEEKLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS) 39516 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.00003	0.0001	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	0.01 MO AVG	0.03 DAILY MX	LBS/DY	******	******	******	***** *****		WEEKLY	COMPO
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.245	0.671	(03) MGD	******	******	******		0	99/99	RC
	PERMIT REQUIREMENT	2.09 MO AVG	2.09 DAILY MX	MGD	******	******	******	***** *****		CONTINUOUS	RECORI
	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 10 DA 2

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
SEE PAGE 8 + 9 OF PERMIT FOR SAMPLING REQUIREMENTS. SEE DMR(S) 064Q + 064T FOR FURTHER PARAMETERS.

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

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

MA0003891 PERMIT NUMBER | 064 G DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 04 MO 09 DAY 01 TO YEAR 04 MO 09 DAY 30

MAJOR
(SUBR W)
F - FINAL
GROUNDWATER TREATMENT (005)
*** NO DISCHARGE | _ | ***
NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0

PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	******	******		7.3	******	7.4	(12) SU	0	99/99	RC
00400 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG
BASE NEUTRALS & ACID (METHOD 625), TOTAL	SAMPLE MEASUREMENT	******	******		******	0	0	(19) MG/L	0	01/90	G
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	******	******		******	0	0	(19) MG/L	0	01/90	G
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 413 NUMBER 494-3500
DATE: YEAR 2004 MO 10 DAY 2

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
064 T — DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 04 MO 09 DAY 01 TO YEAR 04 MO 09 DAY 30

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

*** NO DISCHARGE | __ | ***

NOTE: Read instructions before completing this form.

Form Approved
OMB No. 2040-

PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	******	******		7.2	******	8.5	(12) SU	0	99/99	R(
00400 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	********	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RAN
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	COM
	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	10	
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	007 1

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	09	01	TO	04	09	30

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

*** NO DISCHARGE | _ | ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-000

PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPL TYPE
TEMPERATURE, WATER DEG. FAHRENHEIT	SAMPLE MEASUREMENT	******	******		******	70	71	(15) DEG.F	0	02/30	GR
00011 W 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	********	******	70 MO AVG	75 DAILY MX	DEG.F		ONCE/ MONTH	GRAB
PH	SAMPLE MEASUREMENT	******	******		6.8	******	7.0	(12) SU	0	01/DW	GR
00400 W 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	********	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG-
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	******		******	1.8	1.8	(21) PPB	0	01/90	GR
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	0.006	0.012	(03) MGD	******	******	******		0	23/30	CA
50050 W 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	********		ONCE/ MONTH	CALCT
	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	10	20
AREA CODE	NUMBER	YEAR	MO	DAY

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

SAMPLE AT MANHOLE PRIOR TO CITY STORM DRAIN.

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

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

MA0003891 — PERMIT NUMBER
009 1 — DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 04 MO 09 DAY 01 TO YEAR 04 MO 09 DAY 30

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

*** NO DISCHARGE | | ***

Form Approved.
OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C) 00310 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.03	0.1	(26) LBS/DY	*******	*******	*******		0	01/07	CP
	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPO
PH 00400 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		6.8	******	7.0	(12) SU	0	01/DW	GR
	PERMIT REQUIREMENT	******	****** ****	****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.07	0.1	(26) LBS/DY	*******	*******	*******		0	01/07	CP
	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPO
OIL & GREASE 00556 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	0.8	(26) LBS/DY	******	******	2.1	(19) MG/L	0	01/DW	GR
	PERMIT REQUIREMENT	******	438 DAILY MX	LBS/DY	******	******	15 DAILY MX	MG/L		WEEKLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS) 39516 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	0.0021	0.0021	(19) MG/L	0	01/90	GR
	PERMIT REQUIREMENT	******	****** ****	****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.279	5.566	(03) MGD	******	******	******		0	99/99	RC
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	RECORD
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			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	413 494-3500 AREA CODE / NUMBER	2004 YEAR	10 MO	20 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.

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

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	MAJOR
PERMIT NUMBER	DISCHARGE NUMBER	(SUBR W)

F - FINAL
09A SAMPLE POINT BEFORE 009

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	09	01	TO	04	09	30

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	NODI [E]	NODI [E]	(26) LBS/DY	******	******	******		###	****	CP
	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.1	0.1	(26) LBS/DY	******	******	******		0	01/DW	CP
	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	0.002	0.042	(03) MGD	******	******	******		0	99/99	RC
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Michael T. Carroll	413 494-3500	2004	10	20
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

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

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

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

Form Approved.
OMB No. 2040-0004

MA0003891	009 B
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	09	01	TO	04	09	30

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

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C) 00310 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.03	0.1	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	105 MO AVG	438 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.06	0.1	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.278	5.524	(03) MGD	******	******	******		0	99/99	RC
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTIN UOUS	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Michael T. Carroll	413 494-3500	2004	10	20
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

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

PERMITTEE NAME/ADDRESS *(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. 2040-000

MA0003891 — PERMIT NUMBER
SUM A — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	09	01	TO	04	09	30

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

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	******	0.1	(26) LBS/DY	******	******	******		0	03/30	CP
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
NICKEL TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0.005	(26) LBS/DY	******	******	******		0	03/30	CP
01074 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
SILVER TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0.004	(26) LBS/DY	******	******	******		0	03/30	CP
01079 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
ZINC TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0.1	(26) LBS/DY	******	******	******		0	02/07	CP
01094 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
ALUMINUM, TOTAL (AS AL)	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	03/30	CP
01105 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
CADMIUM TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0.002	(26) LBS/DY	******	******	******		0	03/30	CP
01113 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
LEAD TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0	(26) LBS/DY	******	******	******		0	02/07	CP
01114 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Michael T. Carroll	413 494-3500	2004	10	20
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
COMPOSITE PROPORTIONATE TO FLOW.

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

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

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

MA0003891 — PERMIT NUMBER
SUM A — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY
FROM	04	09	01
TO	04	09	30

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

*** NO DISCHARGE |__| ***

Form Approved.
OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
CHROMIUM TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0.004	(26) LBS/DY	******	******	******		0	03/30	CP
01118 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
COPPER TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0.01	(26) LBS/DY	******	******	******		0	02/07	CP
01119 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
CYANIDE, TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	0.11	(26) LBS/DY	******	******	******		0	03/30	CP
78248 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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	10	20
AREA CODE	NUMBER	YEAR	MO	DAY

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

COMPOSITE PROPORTIONATE TO FLOW.

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

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

MA0003891 — PERMIT NUMBER
SUM B — DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 04 MO 09 DAY 01 TO YEAR 04 MO 09 DAY 30

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

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

Form Approved.
OMB No. 2040-00

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
NOEL STAT 7DAY CHR C ERIODAPHNIA	SAMPLE MEASUREMENT	******	******		100	******	******	% 23)	0	01/30	CP
TBD3B 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT DAILY MN	******	******	PER-CENT		ONCE/ MONTH	COMP
NOAEL STAT 48HR ACU CERIODAPHNIA	SAMPLE MEASUREMENT	******	******		NODI [8]	******	******	(23)			
TDA3B 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT DAILY MN	******	******	PER-CENT		ONCE/ MONTH	COMP
NOAEL STATRE 48HR AC U D. PULEX	SAMPLE MEASUREMENT	******	******		100	******	******	% 23)	0	01/30	CP
TDM3D 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	35 DAILY MN	******	******	PER-CENT		ONCE/ MONTH	COMP
	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: 413 (AREA CODE) 494-3500 (NUMBER)
DATE: 2004 (YEAR) 10 (MO) 2[illegible] (DAY)

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
MONTHLY DRY WEATHER TESTING. COMPOSITE PROPORTIONATE TO FLOW. FOR JULY, AUG., SEPT. REPORT ACUTE AND CHRONIC. SEE DMR SUMC FOR QUARTERLY WET WEATHER ACUTE. SUBMIT THIS DMR WITH A NODI '9' WHEN SUBMITTING WET WEATHER RESULTS ON DMR SUMC.

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

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

Form Approved.
OMB No. 2040-0004

MA0003891	001 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	07	01	TO	04	09	30

MAJOR
(SUBR W)
F - FINAL
NON PROCESS/STORMWATER BYPASS

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	******	******		7.5	******	7.5	(12) SU	0	01/90	GR
00400 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		QTRLY	RANG-G
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	******	0	(20) PPM	0	01/90	GR
00556 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	15 DAILY MX	PPM		QTRLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	******		******	******	1.8	(21) PPB	0	01/90	GR
39516 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT DAILY MX	PPB		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	******	0.720	(03) MGD	******	******	******		0	01/90	ES
50050 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	REPORT DAILY MX	MGD	******	******	******	**** ****		QTRLY	ESTIMA
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Michael T. Carroll	413 494-3500	2004	10 20
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO / DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
QUARTERLY. SAMPLE AT POINT OF DISCHARGE.

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 A

	MONITORING PERIOD					
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	07	01	TO	04	09	30

MAJOR
(SUBR W)
F - FINAL
NON PROCESS/STORMWATER BYPASS

*** NO DISCHARGE | __ | ***

Form Approved.
OMB No. 2040-0

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	******	******		8.7	******	8.7	(12) SU	0	01/90	GR
00400 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		QTRLY	RANG
PH	SAMPLE MEASUREMENT	******	******		NODI C	******	NODI C	(12)			
00400 U 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		QTRLY	RANG
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	******	0	(20) PPM	0	01/90	GR
00556 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	15 DAILY MX	PPM		QTRLY	GRAB
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	******	NODI C	(20)			
00556 U 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	15 DAILY MX	PPM		QTRLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	******		******	******	9.6	(21) PPB	0	01/90	GR
39516 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT DAILY MX	PPB		QTRLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	******		******	******	NODI C	(21)			
39516 U 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT DAILY MX	PPB		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	******	0.53	(03) MGD	******	******	******		0	01/90	ES
50050 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	REPORT DAILY MX	MGD	******	******	******	**** ****		QTRLY	ESTI

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Michael T. Carroll	413	494-3500	2004	10	2.
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DA

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

QUARTERLY. SAMPLE AT POINT OF DISCHARGE. SEE PAGES 16-17 FOR WET WEATHER REQUIREMENTS FOR LIMITS WITH MONITORING LOCATION OF 'S'. SEE PAGE 18 FOR DRY WEATHER REQUIREMENTS FOR LIMITS WITH MONITORING LOCATION OF 'U'. IF NO DISCHARGE USE '9'.

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 | 005 A DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 04 MO 07 DAY 01 TO YEAR 04 MO 09 DAY 30

MAJOR
(SUBR W)
F - FINAL
NON PROCESS/STORMWATER BYPASS

*** NO DISCHARGE | _ | ***

NOTE: Read instructions before completing this form.

Form Approved. OMB No. 2040-

PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	******	NODI [C]	(03)	******	******	******				
50050 U 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	REPORT DAILY MX	MGD	******	******	******	**** ****		QTRLY	EST
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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

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

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

TELEPHONE: AREA CODE 413 NUMBER 494-3500 | DATE: YEAR 2004 MO 10 DAY 2

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

QUARTERLY. SAMPLE AT POINT OF DISCHARGE. SEE PAGES 16-17 FOR WET WEATHER REQUIREMENTS FOR LIMITS WITH MONITORING LOCATION OF 'S'. SEE PAGE 18 FOR DRY WEATHER REQUIREMENTS FOR LIMITS WITH MONITORING LOCATION OF 'U'. IF NO DISCHARGE USE '9'.

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. 2040-0

MA0003891	005 B
PERMIT NUMBER	DISCHARGE NUMBER

MAJOR
(SUBR W)
F - FINAL
NON PROCESS/STORMWATER BYPASS

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	07	01	TO	04	07	30

*** NO DISCHARGE | | | ***

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMP TYP
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	******	******		8.6	******	8.6	(12)	0	01/90	GR
00400 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU SU		QTRLY	RANG
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	******	0	(20)	0	01/90	GR
00556 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	15 DAILY MX	PPM PPM		QTRLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	******		******	******	9.8	(21)	0	01/90	GR
39516 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT DAILY MX	PPB PPB		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	******	0.144	(03)	******	******	******		0	01/90	ES
50050 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	REPORT DAILY MX	MGD MGD	******	******	******	**** ****		QTRLY	ESTI
	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		
AREA CODE	NUMBER	YEAR	MO	DA
413	494-3500	2004	10	2

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
QUARTERLY. SAMPLE AT POINT OF DISCHARGE.

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
006 1 — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	07	01	TO	04	09	30

Form Approved.
OMB No. 2040-0004

MAJOR
(SUBR W)
F - FINAL
NON PROCESS/STORMWATER BYPASS

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	******	******		7.6	******	7.6	(12) SU	0	01/90	GR
00400 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		QTRLY	RANG-C
PH	SAMPLE MEASUREMENT	******	******		NODI [C]	******	NODI [C]	(12)			
00400 U 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		QTRLY	RANG-C
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	******	0	(20) PPM	0	01/90	GR
00556 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ****	******	******	15 DAILY MX	PPM		QTRLY	GRAB
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	******	NODI [C]	(20)			
00556 U 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ****	******	******	15 DAILY MX	PPM		QTRLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	******		******	******	0.19	(21) PPB	0	01/90	GR
39516 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ****	******	******	REPORT DAILY MX	PPB		QTRLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	******		******	******	NODI [C]	(21)			
39516 U 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ****	******	******	REPORT DAILY MX	PPB		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	******	0.369	(03) MGD	******	******	******		0	01/90	ES
50050 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	REPORT DAILY MX	MGD	******	******	******	**** ****		QTRLY	ESTIMA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Michael T. Carroll	413 494-3500	2004	10	20
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
QUARTERLY. SAMPLE AT POINT OF DISCHARGE. SEE PAGES 16-17 FOR WET WEATHER REQUIREMENTS. FOR LIMITS WITH MONITORING LOCATION OF 'S'. SEE PAGE 18 FOR DRY WEATHER REQUIREMENTS FOR LIMITS WITH MONITORING LOCATION OF 'U'. IF NO DISCHARGE USE '9'.

EPA Form 3320-1 (Rev. 2/88) Previous editions may be used.

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 | 006 1 DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 04 MO 07 DAY 01 TO YEAR 04 MO 09 DAY 30

MAJOR
(SUBR W)
F - FINAL
NON PROCESS/STORMWATER BYPASS

*** NO DISCHARGE | __ | ***

NOTE: Read instructions before completing this form.

Form Approved. OMB No. 2040-0

PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMP TYP
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 U 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	NODI C	(03)	******	******	******				
	PERMIT REQUIREMENT	******	REPORT DAILY MX	MGD	******	******	******	**** ****		QTRLY	ESTI
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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

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

TELEPHONE: AREA CODE 413 NUMBER 494-3500

DATE: YEAR 2004 MO 10 DAY 2

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

QUARTERLY. SAMPLE AT POINT OF DISCHARGE. SEE PAGES 16-17 FOR WET WEATHER REQUIREMENTS. FOR LIMITS WI MONITORING LOCATION OF 'S'. SEE PAGE 18 FOR DRY WEATHER REQUIREMENTS FOR LIMITS WITH MONITORING LOCATI OF 'U' IF NO DISCHARGE USE '9'

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	006 A

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	07	01	TO	04	09	30

MAJOR
(SUBR W)
F - FINAL
NON PROCESS/STORMWATER BYPASS

*** NO DISCHARGE | _ | ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-000

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	******	******		7.6	******	7.6	(12) SU	0	01/90	GR
00400 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		QTRLY	RANG
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	******	0	(20) PPM	0	01/90	GR
00556 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	15 DAILY MX	PPM		QTRLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	******		******	******	2.8	(21) PPB	0	01/90	GR
39516 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT DAILY MX	PPB		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	******	0.029	(03) MGD	******	******	******		0	01/90	ES
50050 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	REPORT DAILY MX	MGD	******	******	******	**** ****		QTRLY	ESTI
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

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

QUARTERLY. SAMPLE AT POINT OF DISCHARGE.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME GENERAL ELECTRIC CORPORATION
ADDRESS ATTN: JEFFREY Q. 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-

MA0003891	009 D
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	09	01	TO	04	09	30

MAJOR
(SUBR W)
F - FINAL
NON PROCESS/STORMWATER BYPASS

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAM TY
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	******	******		NODI [E]	******	NODI [E]	(12)			
00400 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		QTRLY	RAN
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	******	NODI [E]	(20)			
00556 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ****	******	******	15 DAILY MX	PPM		QTRLY	GRA
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	******		******	******	NODI [E]	(21)			
39516 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ****	******	******	REPORT DAILY MX	PPB		QTRLY	GRA
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	******	NODI [E]	(03)	******	******	******				
50050 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	REPORT DAILY MX	MGD	******	******	******	**** ****		QTRLY	EST
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Michael T. Carroll	413 494-3500	2004	10	2
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DA

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
QUARTERLY. SAMPLE AT POINT OF DISCHARGE.

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 | SRD 1 DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 04 MO 07 DAY 01 TO YEAR 04 MO 09 DAY 30

MAJOR
(SUBR W)
F - FINAL
NON PROCESS/STORMWATER BYPASS

*** NO DISCHARGE | | ***

Form Approved
OMB No. 2040-

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	******	******		NODI [E]	******	NODI [E]	(12)			
00400 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		QTRLY	RAN
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	******	NODI [E]	(20)			
00556 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	15 DAILY MX	PPM		QTRLY	GRA
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	******		******	******	NODI [E]	(21)			
39516 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT DAILY MX	PPB		QTRLY	GRA
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	******	NODI [E]	(03)	******	******	******				
50050 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	REPORT DAILY MX	MGD	******	******	******	**** ****		QTRLY	EST
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										

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

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

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

TELEPHONE: AREA CODE 413 NUMBER 494-3500

DATE: YEAR 2004 MO 10 DAY 2

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
SAMPLE AT POINT OF DISCHARGE.

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-

MA0003891	SRO 2
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	07	01	TO	04	09	30

MAJOR
(SUBR W)
F - FINAL
NON PROCESS/STORMWATER BYPASS

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAM TY
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE		
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TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO

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

SAMPLE AT POINT OF DISCHARGE.

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	SRD 3

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	07	01	TO	04	09	30

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(SUBR W)
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PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAM TY
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
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TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DA

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

SAMPLE AT POINT OF DISCHARGE.

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. 2040-0

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	SRD 4

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(SUBR W)
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MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	07	01	TO	04	09	30

*** NO DISCHARGE | __ | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
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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	SRU 5
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
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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
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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	413 494-3500 AREA CODE / NUMBER	2004 10 2. YEAR MO DA

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
SAMPLE AT POINT OF DISCHARGE.

Attachment C

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

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

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

Samples collected in October 2004

Submitted to:

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

SGS Sample ID: TA4-J0-P098

Study Director: Ken Holliday

12 October 2004

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

Signatures and Approval

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

Tel: 304.346.0725
Fax: 304.346.0761
www.sgs.com

Ken Holliday — October 12, 2004
Ken Holliday *Date*
Study Director
ken_holliday@sgs.com

Titshina L. Mims — October 12, 2004
Titshina L. Mims *Date*
Technical Writer

Barbara Hensley — October 12, 2004
Barbara Hensley *Date*
Project Manager
barbara_hensley@sgs.com

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: October 12, 2004
Date

Jeannie Latterner
Authorized signature

Jeannie Latterner
Name

QA/QC Manager
Title

SGS Environmental Services
Laboratory

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List of Tables

Summary

Static Acute Toxicity Test with *Daphnia pulex*

Sponsor:	General Electric
Protocol Title:	*Acute Aquatic Toxicity Testing*, SGS Document Control Number 7002, version 4.0
SGS Study Number:	TA4-J0-P098
Test Material:	Composite effluent from the General Electric Company located in Pittsfield, Massachusetts
GE Sample ID:	A5997C
Dilution Water:	Water from the Housatonic River (grab sample)
GE Sample ID:	A5996R
Dates Collected:	October 04, 2004 to October 05, 2004
Date Received:	October 06, 2004
Test Dates:	October 06, 2004 to October 08, 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 October 06, 2004 to October 08, 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 (A5997C) was collected by GE personnel October 04, 2004 to October 05, 2004. Upon receipt at SGS on October 06, 2004, the sample temperature was 4.5° C. The effluent sample was characterized as having

Parameter	Result
Total Hardness	340
Alkalinity (as $CaCO_3$)	313
pH	7.63
Specific Conductance	1110
Dissolved Oxygen Concentration*	8.24

*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 (A5996R) was collected by General Electric personnel on October 05, 2004. Upon receipt at SGS on October 06, 2004, the sample temperature was 4.5°C. The dilution water was characterized as having

Parameter	Result
Total Hardness	170
Alkalinity (as $CaCO_3$)	46
pH	6.34
Specific Conductance	152
Dissolved Oxygen Concentration*	9.04

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

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

2.4 Reference Control Water

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

Parameter	Result
Total Hardness	110
Alkalinity (as $CaCO_3$)	68
pH	7.06
Specific Conductance	316
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 250 ml. Test solutions were then divided into replicate (5 replicates per concentration) 30 ml medicine cups, each containing 20 ml of test solution. One set of five control beakers (containing Housatonic River water) and one set of five reference control beakers (containing moderately hard reconstituted water) were established and maintained under the same conditions as the exposure concentrations. A secondary set of five reference control beakers (containing sodium thiosulfate) was also maintained. Test solutions were placed in an incubator to maintain solution temperature of 20°C (± 1°C). Light was provided on a 16-hour light and 8-hour dark photoperiod. Florescent bulbs provided an illumination of 90 to 100 foot-candles in the test area.

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

2.7 Test Monitoring

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

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

2.8 Reference Toxicity Test

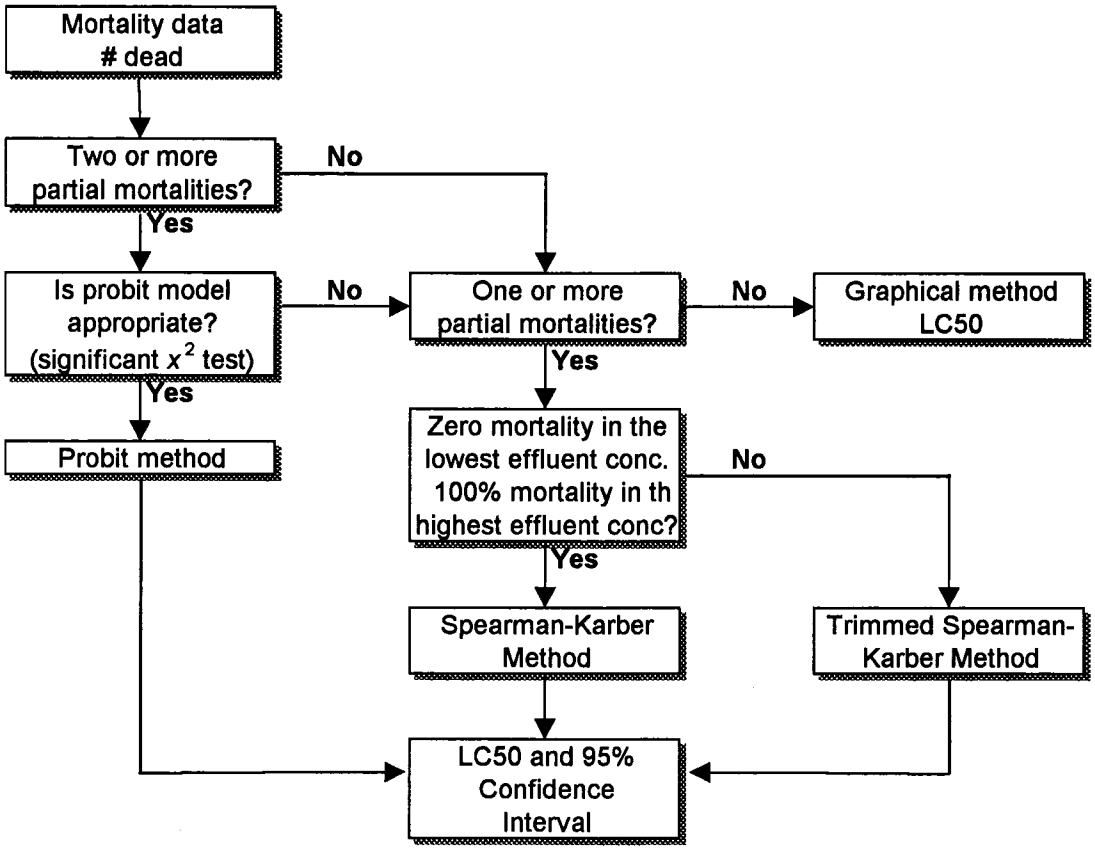
A 48-hour reference toxicity test exposing *Daphnia pulex* to sodium chloride (NaCl) was conducted from October 06, 2004 to October 08, 2004. The reference test was conducted to establish the health of the test organisms. The reference toxicity test included five NaCl concentrations and a dilution water 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 October 06, 2004 to October 08, 2004, and the resulting 48-hour LC50 was estimated by Trimmed Spearman-Karber Method to be 2102 mg NaCl/L (95% confidence intervals of 1765 to 2503 mg NaCl/L).

References

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

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

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

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

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

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

Parameters	Method	Detection Limits
Ammonia Nitrogen as N	EPA 350.2	1.0 mg/L
Chloride	EPA 325.2	1.0 mg/L
Total Organic Carbon	EPA 415.1	1.0 mg/L
Total Solids	EPA 160.3	10.0 mg/L
Phosphorus, Total as P	Standard Methods 4500-P	0.020 mg/L
Total Residual Chlorine	Standard Methods 4500-Cl G	0.01 mg/L
Total Suspended Solids	EPA 160.2	5.0 mg/L

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

Parameter	Effluent (A5997C)	Housatonic River (A5996R)
Temperature	20.3°C	20.3°C
pH	7.63	6.34
Alkalinity (as $CaCO_3$)	313 mg/L	46 mg/L
Hardness (as $CaCO_3$)	340 mg/L	170 mg/L
Dissolved Oxygen	8.24 mg/L	9.04 mg/L
Specific Conductivity	1110 µmhos/cm	152 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	110 mg/L	6.5 mg/L
Total Suspended Solids	5 mg/L	ND
Total Solids	630 mg/L	80 mg/L
Total Organic Carbon	5.6 mg/L	5.7 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	7.06	7.11	7.19	8.84	8.72	8.64	20.3	19.6	20.2
Secondary Ref Control	7.12	7.19	7.24	8.91	8.84	8.70	20.3	19.6	20.2
Dilution Water Control	6.34	6.42	6.49	9.04	8.91	8.80	20.3	19.6	20.2
5% Effluent	6.48	6.54	6.60	8.98	8.82	8.74	20.3	19.6	20.2
15% Effluent	6.64	6.72	6.81	8.71	8.64	8.52	20.3	19.6	20.2
35% Effluent	7.04	7.09	7.14	8.54	8.46	8.39	20.3	19.6	20.2
50% Effluent	7.32	7.40	7.51	8.48	8.36	8.28	20.3	19.6	20.2
75% Effluent	7.49	7.54	7.60	8.37	8.41	8.32	20.3	19.6	20.2
100% Effluent	7.63	7.69	7.74	8.24	8.20	8.04	20.3	19.6	20.2

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

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

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

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

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

Appendix I

References

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Standard Operating Procedure

Document Title: Acute Aquatic Toxicity Testing
Method Reference: CT&E/USEPA
Document File Name: 7002-04.DOC
Revision Number: 4.0
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Document Control Number: 7002.

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

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

1.0 SUMMARY

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

2.0 REFERENCES

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

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

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

3.0 SCREENING

3.1 Test Duration

24 Hours, 48 Hours or 96 Hours.

3.2 Test Preparation

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

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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
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Document Control Number: 7005.

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

Approved by: Lydia 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 $CaSO_4 2H_2O$ to 1 liter of de-ionized or equivalent water in a separate flask. Stir on magnetic stirrer until calcium sulfate is dissolved and add to the 19 liter above and mix well.

2.5 Aerate vigorously for 24 hours to stabilize the medium.

3.0 Hard Synthetic Water

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

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

3.3 Aerate overnight.

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

3.5 Aerate vigorously for 24 hours to stabilize the medium.

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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
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Document Control Number: 7006

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

Approved by: [signature] (QA/QC Officer) 3/23/2001 (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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Document Title:	**Reference Toxicant Testing**
Method Reference:	**CT&E/USEPA**
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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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Document Title:	**Reference Toxicant Testing**
Method Reference:	**CT&E/USEPA**
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Document Control Number: 7008

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

Approved by: Lydia M. Dorn (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.

Appendix II
Chain of Custody

Chain of Custody Record

General Electric Co.

100 Woodlawn Ave. Pittsfield, MA 01201

Chain of Custody #: OBG100504

TA4-WP098-Y2

Dry **Weather Acute Aquatic Toxicity for** OCT 2004

Project #	Analytical Lab:	Sampled By:
NPDES PERMIT	CT&E Environmental Services Inc.	(Print) Mark Wasnewsky

	Sample #	Date		Time	Containers	Parameters to be Analyzed	Preservative	Remarks
1	A5997C	10/4	to 10/5/04	11^00 AM	1 Gallon plastic	Definitive Test(LC50 and NOAEL), Static acute toxicity, 48 hr w/ Daphnia pulex	Chilled	(See below)
1	A5997C	10/4	to 10/5/04	11^00 AM	1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
1	A5997C	10/4	to 10/5/04	11^00 AM	500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	
2	A5996R	10/5/04		8^30 AM	1 Gallon plastic	Housatonic River water dilution water for definitive test	Chilled	
2	A5996R	10/5/04		8^30 AM	1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
2	A5996R	10/5/04		8^30 AM	500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	

Relinquished By:	Date/Time	Received By:	Date/Time
Mark Wasnewsky	10-5-04	[signature]	10-5-04 1400
Relinquished By:	Date/Time	Received By:	Date/Time
		[signature]	10/6/04 0930

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:

4.5°

001- 7^40 AM 004- / 005-64T- 7^00 AM 005-64G- 7^00 AM 007- / 09A- 7^50 AM 09B- 7^50 AM

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

Appendix III

Bench Data

General Electric – 48-hour Acute Biotoxicity Bench Sheet

Client: General Electric

Project: Dry Weather Acute Lab. No.: TA4-10-P098-001/002

Date Received: 10/06/04

Sample Date: 10/05/04 Time: 11:00 Date Analyzed: 10/06/04

Source: EFFLUENT Analyst(s): KH

Source of dilution water: HOUSATONIC RIVER

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

Type of Test: 48-Hour Static Acute

Total Chlorine: n/d

	Beginning	Ending
Date:	10/06/04	10/08/04
Time:	1100	1100

Concentration→	Housatonic River Control	MHSW Control	MHSW $Na_2S_2O_3$ Control	Effluent 5%	Effluent 15%	Effluent 35%	Effluent 50%	Effluent 75%	Effluent 100%
START									
Temperature	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
Hardness	170	110	110						340
D.O.	9.04	8.84	8.91	8.98	8.71	8.54	8.48	8.37	8.24
pH	6.34	7.06	7.12	6.48	6.64	7.04	7.32	7.49	7.63
Alkalinity	46	68	70						313
Sp. Conduct.	152	316	324	236	347	478	628	834	1110
24 HOUR									
No. Surviving	20	20	20	20	20	20	20	20	20
Temperature	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
D.O.	8.91	8.72	8.84	8.82	8.64	8.46	8.36	8.41	8.20
pH	6.42	7.11	7.19	6.54	6.72	7.09	7.40	7.54	7.69
Sp. Conduct.	168	324	336	244	355	488	640	851	1127
48 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.	8.80	8.64	8.70	8.74	8.52	8.39	8.28	8.32	8.04
pH	6.49	7.19	7.24	6.60	6.81	7.14	7.51	7.66	7.74
Sp. Conduct.	178	330	342	251	348	492	636	866	1118

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: Temp. Range: °C

Type of Test: 48 hour Acute

Total Chlorine: n/d

	Beginning	Ending
Date:	10/6/04	10/8/04
Time:	1600	1600

Concentration	Control		625	1250	2500	5000	10,000
START							
Temperature	20.6		20.6	20.6	20.6	20.6	20.6
Hardness	110						120
D.O.	8.9		8.9	8.9	8.9	8.9	8.9
pH	7.0		7.1	7.2	7.2	7.2	7.2
Alkalinity	72						75
Sp. Conduct.	338		1148	2240	3690	6970	12020
24 HOUR							
Temperature	20.8		20.8	20.8	20.8	20.8	20.8
No. Surviving	20		20	20	12	8	0
48 HOUR							
Temperature	20.1		20.1	20.1	20.1	20.1	20.1
No. Surviving	20		20	19 18	7	0	0

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

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

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

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

TRIMMED SPEARMAN-KARBER METHOD. MONTANA STATE UNIV

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

DATE: 10/06/04 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	2	13	20	20

SPEARMAN-KARBER TRIM: 0.00%

SPEARMAN-KARBER ESTIMATES:	LC50:	2102.24
95% LOWER CONFIDENCE:		1765.33
95% UPPER CONFIDENCE:		2503.45

Appendix IV

U.S. EPA Region I Toxicity Test Summary

Toxicity Test Summary Sheet

Facility Name: General Electric Co. Test Start Date: October 06, 2004
NPDES Permit Number: MA 000 3891 Pipe Number: 001, 005-64T, 005-64G, 09A, 09B

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

*Modified (Chronic reporting acute values)

Dilution Water

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

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

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

___ or artificial sea salts mixed with deionized water;

___ Deionized water and hypersaline brine; or

___ other

Effluent sampling date(s): October 04, 2004 to October 05, 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: October 06, 2004 to October 08, 2004

N/A= not applicable

Permit Limits & Test Results

Test Acceptability Criteria

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

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

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

N/A = not applicable

Attachment D

Final Notification of On Plant Excavations for 20s, 30s, 40s Complexes (GECD120) Unkamet Brook Area (GECD170)

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

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

October 12, 2004

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

Mr. James DiLarenzo
U.S. Environmental Protection Agency
EPA New England
One Congress Street, Suite 1100
Boston, MA 02114-2023

RE: GE Pittsfield – Final Notification of On Plant Excavations

Dear Ms. Steenstrup and Mr. DiLarenzo:

In accordance with our *Protocols for the Management of Excavation Activities*, this letter serves as the final notification for several excavations by General Electric Co. at the Pittsfield site.

Minor excavation for electrical work by Building 36V: DEP Site GECD120.

Location: Standard Grid M-4, Northeast corner of the 30's complex.
Activity: On September 17, 2004 soil was excavated by Building 36V to complete necessary electrical work. The excavated soil was placed on and covered with a polyethylene sheeting pending completion of the work. The excavated area was back-filled with the same soil originally excavated.
Dimension and Volume: A hole was excavated using a rubber tire backhoe. Dimensions of the hole were approximately five feet by five feet by six feet deep. A total of approximately five yards of soil was excavated.
Analytical: See Attachment 1. Presented in the pre-design investigation report for the 20s, 30s, 40s complex (BBL, March 2001) at soil boring location RAA2-4. PCB concentrations detected were less than or equal 1.9 ppm. No Appendix IX or Appendix III constituents were detected. No further sampling was necessary.
Material Disposition: Material was back-filled into the original excavation on 10/04/2004.

Minor excavation to repair a leaking L.P.G outside Building 51A. DEP Site GECD170.

Location: Standard Grid J-41, Near the west side of Building 51A.
Activity: On September 13, 2004 soil was excavated near the west side of Building 51A in response to a leaking L.P.G. The excavated soil was placed on and covered with a polyethylene sheeting pending a review of the historic analytical results. The excavated area was back-filled with the same soil originally excavated.
Dimensions and Volume: A hole was hand dug using shovels. The area of excavation was four feet by four feet and approximately six feet deep. Approximately four yards of soil was excavated.
Analytical: See Attachment 2 at soil boring locations RAA10-N-KK5, RAA10-N-LL6 and UB-SS-7. PCB concentrations detected were less than or equal .54 ppm. No Appendix IX or Appendix III constituents were detected. No further sampling was necessary.
Material Disposition: Material was back-filled into the original excavation on 9/15/2004.

Minor excavation to repair a leaking L.P.G outside Building 118. DEP Site GECD170.

Location: Standard Grid I-44, Near the southeast side of Building 118.
Activity: On September 17, 2004 soil was excavated near the southeast side of Building 118 in response to a leaking L.P.G. The excavated soil was placed on and covered with a polyethylene sheeting pending a review of the historic analytical results. The excavated area was back-filled with clean fill from off-site by a GE approved vendor.

Dimension and Volume: A hole was hand dug using shovels. The area of excavation was four feet by four feet and approximately six feet deep. Approximately three yards of soil was excavated.

Analytical: See Attachment 3 at soil boring locations RAA10-N-EE8, RAA10-N-EE10, RAA10-N-EE14, RAA10-N-II10, UB-SB-3 and UB-SB-4. PCB concentrations detected were less than or equal 8.4 ppm. No Appendix IX or Appendix III constituents were detected. No further sampling was necessary.

Material Disposition: One and a half yards of material was brought to OPCA Cell 78 for disposal on 9/17/2004. The other one and a half yards of material was brought to OPCA Cell 78 for disposal on 9/24/2004.

Emergency excavation in response to a fire main break, near the former Building 25. DEP Site GECD120.

Location: Standard Grid O-9, Near the former Building 25.

Activity: On June 24, 2004 soil was excavated near the former Building 25 in response to a fire main break. The excavated soil was placed on and covered with a polyethylene sheeting pending a review of the historic analytical results. The excavated area was back-filled with clean fill from off-site by a GE approved vendor.

Dimensions and Volume: A hole was excavated using a rubber tire backhoe. The area of excavation was twelve feet by twelve feet and approximately five feet deep. Approximately 30 yards of soil was excavated.

Analytical: See Attachment 4. PCB concentrations detected were less than or equal to 4.8 ppm. PID readings indicated that no further sampling was necessary.

Material Disposition: Material was brought to OPCA Cell 78 for disposal on 7/30/2004.

Minor excavation to repair steps at the Southwest entrance to Building 59. DEP Site GECD170.

Location: Standard Grid M-43, southwest entrance to Building 59.

Activity: On August 11, 2004 brick and mortar were removed to allow for repair to the steps at the southwest entrance to Building 59. The brick and mortar were placed on and covered with a polyethylene sheeting pending transfer to OPCA cell 71. The removed bricks and mortar were replaced with new materials.

Dimensions and Volume: Approximately one yard of brick and mortar was removed.

Analytical: None – OPCA 71 Disposal

Material Disposition: Material was brought to OPCA Cell 71 for disposal on 9/7/2004.

Minor excavation to install a shower drain in the west end of Building 59. DEP Site GECD170.

Location: Standard Grids M-43, L-43, west end of Building 59.

Activity: On August 18, 2004 concrete and gravel were excavated from the west end of Building 59 to install a shower drain. The excavated concrete and gravel was placed on and covered with a polyethylene sheeting pending transfer to OPCA cell 71. The excavated concrete and gravel were replaced with new materials.

Dimension and Volume: Approximately three yards of concrete and gravel was removed.

Analytical: None – OPCA 71 Disposal

Material Disposition: Material was brought to OPCA Cell 71 for disposal on 9/7/2004.

Minor excavation to install two gate posts on the west side of Building 59. DEP Site GECD170.

Location: Standard Grid M-43, west end of Building 59.

Activity: On August 18, 2004 soil was excavated on the west side Building 59 to install two gate posts. The excavated soil was placed on and covered with a polyethylene sheeting pending transfer to OPCA cell 71. The excavated area was back-filled with clean fill from off-site by a GE approved vendor.

Dimension and Volume: Two holes 12" diameter by four feet deep were hand dug. Approximately two yards of soil was removed.

Analytical: None – OPCA 71 Disposal

Material Disposition: Material was brought to OPCA Cell 71 for disposal on 9/7/2004.

Minor excavation to install a flagpole on the southwest side of Building 59. DEP Site GECD170.

Location: Standard Grids M-42, L-42, southwest end of Building 59.
Activity: On August 2, 2004 soil was excavated on the west side Building 59 to install a new flagpole. The excavated soil was placed on and covered with a polyethylene sheeting pending transfer to OPCA cell 71. The excavated area was back-filled with clean fill from off-site by a GE approved vendor.
Dimension and Volume: A hole was excavated using hand shovels. The area of excavation was three feet by three feet and approximately three feet deep. Approximately 1 yard of soil was excavated.
Analytical: None – OPCA 71 Disposal
Material Disposition: Material was brought to OPCA Cell 71 for disposal on 9/7/2004.

Minor excavation to install new planter beds on the Southwest side of Building 59. DEP Site GECD170.

Location: Standard Grids M-42, L-42, southwest end of Building 59.
Activity: On August 30, 2004 soil was excavated on the southwest side Building 59 to install a two new planter beds. The excavated soil was placed on and covered with a polyethylene sheeting pending transfer to OPCA cell 71. The excavated area was back-filled with clean fill from off-site by a GE approved vendor.
Dimension and Volume: Two holes were excavated using hand shovels. The areas of excavation were six feet by six feet and approximately two feet deep. Approximately 8 yards of soil was excavated.
Analytical: None – OPCA 71 Disposal
Material Disposition: Material was brought to OPCA Cell 71 for disposal on 9/7/2004.

Emergency excavation in response to a leaking post indicator valve on the west side of OP-2. DEP Site GECD170.

Location: Standard Grid N-37, on the west side of OP-2.
Activity: On August 12, 2004 soil was excavated on the west side of OP-2 in response to a leaking post indicator valve. The excavated soil was placed on and covered with a polyethylene sheeting pending completion of the leak repairs. The excavated area was back-filled with the same soil originally excavated.
Dimensions and Volume: A hole was excavated using a rubber tire backhoe. The area of excavation was six feet by six feet and approximately eight feet deep. Approximately 11 yards of soil was excavated.
Analytical: See Attachment 5 at soil boring locations RAA10-W-K11. PCB concentrations detected were less than or equal .06 ppm. No Appendix IX or Appendix III constituents were detected. No further sampling was necessary.
Material Disposition: Material was back-filled into the original excavation on 8/13/2004.

This completes notification for these excavations. Please contact me at (413) 494-3177 if you have any questions.

Yours truly,

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

Cc (Letter Only): Robert Bell, DEP
Michael Carroll, GE
Rod McLaren, GE
John Levesque, GE

Cc (Letter/Attachments): Dean Tagliaferro, EPA
Anna Symington, DEP
Craig Bruening, BB&L
Peter Varley, Onyx

Attachment 1

TABLE 1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

20s, 30s, 40s COMPLEX
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBS

(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
RAA3-30	0-1	1/11/01	ND(0.047)	ND(0.047)	1.0	1.0
	1-6	1/11/01	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	6-15	1/11/01	ND(0.043) [ND(0.042)]	ND(0.043) [ND(0.042)]	0.66 [0.66]	0.66 [0.66]
RAA3-31	1-6	12/11/00	ND(0.20)	1.7	2.2	3.9
RAA3-32	0-1	12/12/00	ND(4.2)	ND(4.2)	57	57
	1-6	12/12/00	ND(0.86)	ND(0.86)	16	16
	6-15	12/12/00	ND(0.044)	ND(0.044)	0.029 J	0.029 J
RAA3-33	0-1	12/15/00	ND(0.98)	ND(0.98)	23	23
	1-6	12/15/00	ND(4.0)	ND(4.0)	90	90
	6-15	12/15/00	ND(0.81) [ND(0.77)]	ND(0.81) [ND(0.77)]	22 [27]	22 [27]
30s Complex						
95-15	0-1	1/2/01	ND(0.047)	0.71	1.3	2.01
	6-15	1/2/01	ND(0.52) [ND(0.34)]	**10 J [4.4 J]**	**11 J [4.9 J]**	**21 J [9.3 J]**
95-16	0-1	12/4/00	ND(4.5)	13	20	33
212S	1-6	12/1/00	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	6-15	12/1/00	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
RAA2-1	0-1	11/28/00	ND(4.2)	ND(4.2)	91	91
	1-6	11/28/00	ND(0.045)	ND(0.045)	0.46	0.46
	6-15	11/28/00	ND(0.040)	ND(0.040)	1.5	1.5
RAA2-2	0-1	11/28/00	ND(4.2)	ND(4.2)	100	100
	1-6	11/28/00	ND(0.21)	ND(0.21)	3.0	3.0
	6-15	11/28/00	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA2-3	0-1	11/27/00	ND(0.044)	ND(0.044)	1.1	1.1
	1-6	11/27/00	ND(0.040) [ND(0.043)]	**0.37 J [0.67 J]**	0.32 [0.53]	**0.69 J [1.2 J]**
	6-11.5	11/27/00	ND(0.043)	0.16	0.063	0.223
RAA2-4	0-1	11/30/00	ND(0.20)	ND(0.20)	1.9	1.9
	1-6	11/30/00	ND(0.042)	0.31	0.48	0.79
	6-15	11/30/00	ND(0.041)	0.039 J	0.020 J	0.059 J
RAA2-5	0-1	11/29/00	ND(0.39)	4.9	2.8	7.7
	1-6	11/29/00	ND(0.042)	0.10	0.11	0.21
	6-15	11/29/00	ND(0.039) [ND(0.041)]	0.031 J [0.070]	0.023 J [0.036 J]	0.054 J [0.106]
RAA2-6	0-1	11/30/00	ND(0.045)	ND(0.045)	1.5	1.5
	1-6	11/30/00	ND(0.043)	0.17	0.062	0.232
	6-15	11/30/00	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA2-7	0-1	11/30/00	ND(0.23)	ND(0.23)	2.5	2.5
	1-6	11/30/00	ND(0.042)	1.1	0.50	1.6
	6-15	11/30/00	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA2-8	0-1	11/30/00	ND(0.85)	ND(0.85)	10	10
	1-6	11/30/00	ND(0.41)	4.6	6.9	11.5
	6-15	11/30/00	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA2-9	0-1	12/5/00	ND(0.40)	5.8	ND(0.40)	5.8
	1-6	12/5/00	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	6-15	12/5/00	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA2-10	0-1	1/4/01	ND(0.052)	ND(0.052)	1.9	1.9
	1-6	1/4/01	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)
	6-15	1/4/01	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA2-11	0-1	12/4/00	ND(0.82)	28	ND(0.82)	28
	1-6	12/4/00	ND(0.78)	25	ND(0.78)	25
	6-15	12/4/00	ND(0.26)	3.1	ND(0.26)	3.1
RAA2-12	0-1	12/5/00	ND(0.41)	3.4	6.8	10.2
	1-6	12/5/00	ND(0.21)	4.7	2.2	6.9
	6-15	12/5/00	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA2-13	0-1	11/27/00	ND(0.45)	5.8	10	15.8
	1-6	11/27/00	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	11/27/00	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA2-14	0-1	12/4/00	ND(0.040)	ND(0.040)	0.14	0.14
	1-6	12/4/00	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	6-15	12/4/00	ND(0.97)	ND(0.97)	19	19

Attachment 2

TABLE 1
PCB DATA

FIRE PUMP EXCAVATION AT BUILDING 51 WITHIN 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	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-N-KK5	0-1	10/23/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.27	0.26	0.53
	1-6	10/23/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.029 J	0.029 J
	6-15	10/23/2003	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]
RAA10-N-LL5	0-1	10/31/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.041	0.17	0.211
	1-6	10/31/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	10/31/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.040	0.040
U6-SS-7	0-0.5	12/19/1990	NR	NR	NR	NR	NR	NR	NR	0.54 P

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

Data Qualifiers:

Organics
J - Indicates an estimated value less than the practical quantitation limit (PQL).
P - Greater than 25% difference between primary and confirmation column.

Attachment 3

TABLE 1
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

EXCAVATION SOUTHEAST CORNER OF BUILDING 118
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-N-EE8	0-1	10/24/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.36	0.18	0.54
	1-6	10/24/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.11	ND(0.037)	0.11
	6-15	10/24/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.12	ND(0.037)	0.12
RAA10-N-EE10	0-1	10/24/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.50	0.34	0.84
	1-6	10/24/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.076	0.039	0.115
	6-15	10/24/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.11	ND(0.038)	0.11
RAA10-N-EE14	0-1	11/10/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.044	0.034 J	0.078
	1-6	11/10/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	11/10/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-N-II10	1-6	10/17/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.012 J	0.012 J
	6-15	10/17/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
UB-SB-3	0-2	8/9/1996	—	—	—	—	—	—	—	8.4
	2-4	8/9/1996	—	—	—	—	—	—	—	2.3
	4-6	8/9/1996	—	—	—	—	—	—	—	ND(0.077)
	6-8	8/9/1996	—	—	—	—	—	—	—	ND(0.82)
	8-10	8/9/1996	—	—	—	—	—	—	—	ND(0.078)
	10-12	8/9/1996	—	—	—	—	—	—	—	ND(0.078)
UB-SB-4	0-2	8/9/1996	—	—	—	—	—	—	—	1.5
	2-4	8/9/1996	—	—	—	—	—	—	—	1.1

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to SGS Environmental Services, Inc. and CompuChem Environmental Corporation for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Duplicate sample results are presented in brackets.
4. — indicates that the data is not available.

Data Qualifiers:

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

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

EXCAVATION SOUTHEAST CORNER OF BUILDING 118
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-EE8 0-1 10/24/03	RAA10-N-EE14 0-1 11/10/03	RAA10-N-I10 0-1 10/17/03	RAA10-N-I10 1-6 10/17/03	RAA10-N-I10 4-6 10/17/03	RAA10-N-I10 6-15 10/17/03
Volatile Organics						
Toluene	ND(0.0054)	ND(0.0059)	0.0060	NA	ND(0.0054)	NA
Semivolatile Organics						
Acenaphthylene	0.19 J	ND(0.39)	ND(0.36)	NA	NA	NA
Anthracene	0.12 J	ND(0.39)	ND(0.36)	NA	NA	NA
Benzo(a)anthracene	0.18 J	0.39 J	ND(0.36)	NA	NA	NA
Benzo(a)pyrene	0.22 J	0.28 J	ND(0.36)	NA	NA	NA
Benzo(b)fluoranthene	0.20 J	0.29 J	ND(0.36)	NA	NA	NA
Benzo(g,h,i)perylene	0.20 J	0.20 J	ND(0.36)	NA	NA	NA
Benzo(k)fluoranthene	0.23 J	0.34 J	ND(0.36)	NA	NA	NA
Benzyl Alcohol	ND(0.72)	ND(0.79)	0.18 J	NA	NA	NA
Chrysene	0.30 J	0.51	ND(0.36)	NA	NA	NA
Fluoranthene	0.44	1.1	ND(0.36)	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.15 J	0.16 J	ND(0.36)	NA	NA	NA
Phenanthrene	0.16 J	0.41	ND(0.36)	NA	NA	NA
Pyrene	0.52	0.78	ND(0.36)	NA	NA	NA
Furans						
2,3,7,8-TCDF	0.0000023 Y	ND(0.00000084) X	0.0000018 J	ND(0.00000058) X	NA	ND(0.00000020) X
TCDFs (total)	0.000048	0.000010	0.000023	0.00000091	NA	ND(0.00000021) Q
1,2,3,7,8-PeCDF	0.0000016 J	0.00000071 J	0.00000053 J	0.00000022 J	NA	0.00000022 J
2,3,4,7,8-PeCDF	0.000011	0.0000016 J	0.0000017 J	0.00000037 J	NA	0.00000022 J
PeCDFs (total)	0.00014 Q	0.000012 Q	0.000022	0.0000032	NA	0.00000044 Q
1,2,3,4,7,8-HxCDF	0.0000038 J	0.00000094 J	0.0000014 J	0.00000078 J	NA	0.00000045 J
1,2,3,6,7,8-HxCDF	0.0000034 J	0.00000077 J	0.00000084 J	0.00000030 J	NA	0.00000021 J
1,2,3,7,8,9-HxCDF	ND(0.0000011) X	ND(0.00000059)	0.00000065 J	0.00000022 J	NA	ND(0.00000022) X
2,3,4,6,7,8-HxCDF	0.000010	0.0000013 J	0.00000096 J	0.00000049 J	NA	ND(0.00000053)
HxCDFs (total)	0.00016 Q	0.000015	0.000013	0.0000057	NA	0.00000066
1,2,3,4,6,7,8-HpCDF	0.000014	0.0000037 J	0.0000028 J	0.0000015 J	NA	0.00000035 J
1,2,3,4,7,8,9-HpCDF	0.0000019 J	0.00000052 J	0.00000088 J	0.00000053 J	NA	0.00000033 J
HpCDFs (total)	0.000039	0.0000071	0.0000057	0.0000040	NA	0.00000068
OCDF	0.0000074 J	0.0000047 J	0.0000043 J	0.0000022 J	NA	ND(0.0000011)
Dioxins						
2,3,7,8-TCDD	ND(0.00000026)	ND(0.00000039) X	ND(0.00000024) X	ND(0.00000022) X	NA	ND(0.00000021)
TCDDs (total)	0.00000036	0.0000014	0.00000011	0.00000029	NA	ND(0.00000078) Q
1,2,3,7,8-PeCDD	0.00000090 J	0.00000054 J	0.00000034 J	ND(0.00000050)	NA	ND(0.00000053)
PeCDDs (total)	0.0000052 Q	0.0000016 Q	0.0000011	ND(0.00000086)	NA	ND(0.00000090) Q
1,2,3,4,7,8-HxCDD	0.00000047 J	ND(0.00000040) X	0.00000028 J	0.00000015 J	NA	ND(0.00000053)
1,2,3,6,7,8-HxCDD	0.0000010 J	0.00000077 J	0.00000046 J	0.00000025 J	NA	ND(0.00000022) X
1,2,3,7,8,9-HxCDD	0.00000089 J	0.0000013 J	0.00000050 J	ND(0.00000023) X	NA	0.00000034 J
HxCDDs (total)	0.000014	0.0000089	0.0000032	0.0000016	NA	0.00000034
1,2,3,4,6,7,8-HpCDD	0.0000056	0.0000069	0.0000022 J	0.0000040 J	NA	0.00000059 J
HpCDDs (total)	0.000012	0.000013	0.0000040	0.0000067	NA	0.00000059
OCDD	0.000043	0.000051	0.000011	0.000059	NA	0.0000030 J
Total TEQs (WHO TEFs)	0.0000091	0.0000023	0.0000021	0.00000088	NA	0.00000069
Inorganics						
Antimony	ND(6.00)	ND(6.00)	0.850 B	ND(6.00)	NA	0.830 B
Arsenic	4.30	2.90	2.70	2.60	NA	2.50
Barium	20.0	18.0 B	11.0 B	18.0 B	NA	14.0 B
Beryllium	0.230 B	0.210 B	0.110 B	0.170 B	NA	0.160 B
Cadmium	0.500	0.250 B	ND(0.500)	ND(0.500)	NA	0.0800 B
Chromium	5.00	5.00	4.40	4.50	NA	4.60
Cobalt	5.40	4.50 B	4.30 B	4.70 B	NA	6.00
Copper	11.0	10.0	9.80	10.0	NA	12.0
Cyanide	0.0320 B	0.0930 B	0.0250 B	ND(0.110)	NA	0.0250 B
Lead	14.0	8.50	5.00	4.70	NA	3.80
Mercury	0.0240 B	0.0120 B	0.0820 B	0.110 B	NA	ND(0.110)
Nickel	9.40	9.70	7.00	8.20	NA	9.30
Sulfide	ND(5.40)	51.0	7.00	ND(5.60)	NA	27.0
Thallium	ND(1.10)	ND(1.20)	ND(1.10)	ND(1.10)	NA	ND(1.10)
Tin	2.80 B	3.20 B	3.00 B	3.10 B	NA	2.60 B
Vanadium	7.10	6.00	4.20 B	4.70 B	NA	4.90 B
Zinc	33.0	36.0	23.0	31.0	NA	28.0

TABLE 4
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

EXCAVATION SOUTHEAST CORNER OF BUILDING 118
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 SGS Environmental Services, Inc. and CompuChem Environmental Corporation 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. Field duplicate sample results are presented in brackets.
6. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.

Data Qualifiers:

Organics (volatiles, semivolatiles, dioxin/furans)

- B - Analyte was also detected in the associated method blank.
- J - Indicates an estimated value less than the practical quantitation limit (PQL).
- I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
- Q - Indicates the presence of quantitative interferences.
- X - Estimated maximum possible concentration.
- Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

- B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
- E - Serial dilution results not within 10%. Applicable only if analyte concentration is at least 50X the IDL in original sample.
- N - Indicates sample matrix spike analysis was outside control limits.
- * - Indicates laboratory duplicate analysis was outside control limits.

Attachment 4

BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Emergency Excavation by Former Building 25
Soil Sampling

(401.70.06)

(Table 1)

LAB ID	SAMPLE DATE	PCBs (ppm)	SAMPLE MATERIAL	SAMPLE TYPE	PID READINGS (ppm)
25-FMR-SOIL-1	6/29/2004	1.2	SOIL	DISCRETE-GRAB	0.0
25-FMR-SOIL-2	6/29/2004	1.9	SOIL	DISCRETE-GRAB	0.0
25-FMR-SOIL-3	6/29/2004	4.8	SOIL	DISCRETE-GRAB	0.0
25-FMR-SOIL-4	6/29/2004	2.7	SOIL	DISCRETE-GRAB	0.0

Notes:

The samples were collected using 2" OD Lexan Tubes.

SGS

CHAIN OF CUSTODY RECORD
CT&E Environmental Services Inc.
Laboratory Division

030366

(1) CLIENT: BBL

CONTACT: B. ELLIAN — PHONE NO: (413) 494-4317

PROJECT: FHR BLDG. 25 — SITE/PWSID#: PITTSFIELD MA.

REPORTS TO: B. ELLIAN, PETER VARLEY (ONYX) — 413-494-4325 — FAX NO: (413) 494-5695

INVOICE TO: ~~SAME~~ PAY — 413-494-4325

B. ELLIAN — P.O. NUMBER: 40170.06

CT&E Reference: TAH-FO-P1671-Y5

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE C=COMP G=GRAB	Preservative Used	1	1										REMARKS
							(3) Analysis Required	PCB's (8082)	Trace Blank (8012)										
1	25-FHR-SOIL-1	6/29/04	1420	SOIL	1	G		1											
2	25-FHR-SOIL-2	6/29/04	1425	SOIL	1	G		1											
3	25-FHR-SOIL-3	6/29/04	1430	SOIL	1	G		1											
4	25-FHR-SOIL-4	6/29/04	1435	SOIL	1	G		1											
5	RB-62904-1	6/29/04	1415	WATER	1	G			1										

(5)

Collected/Relinquished By: (1)	Date	Time	Received By:
	6/29/04	1450	
Relinquished By: (2)	Date	Time	Received By:
	6-29-04	15:20	
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:
	6/30/04	0930	

(4)

Shipping Carrier: UPS

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature °C: 4.5

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Requested Turnaround Time and Special Instructions:

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 4F0P671 **Chain of Custody Number: 030366** **Received by SGS 06/30/04 09:30**
ATTN: Bruce Eulian BLASLAND, BOUCK & LEE, INC. PITTSFIELD MA

Reference: RB-62904-1 Description: GRAB FMR BLDG, 25 PITTSFIELD MA. Matrix: WATER Sampled: 06/29/04 14:15
SGS Lab Number: TA4F0P671005 Percent Solids: N/A Sample Type: F

Prep Code: SW3510C Prepared: 07/01/04 16:00 Preparation Batch: 098910 Analyst: bcl Report Basis: N/A
Rank: 001 Method Code: SW8082 Analyzed: 07/02/04 10:07 Analytical Batch: 099989 Dilution Factor: 1.00 Analytical Rpt Type: QC

Type	Parameter Name	Qf	Result	RE	Units	FQL	%REC	Spk Amt	Spk Limits	RPD	PQL	CAS Number
Analyte	AROCLOR-1016	ND	0.065	U	ug/L	0.065						12674-11-2
Analyte	AROCLOR-1221	ND	0.065	U	ug/L	0.065						11104-28-2
Analyte	AROCLOR-1232	ND	0.065	U	ug/L	0.065						11141-16-5
Analyte	AROCLOR-1242	ND	0.065	U	ug/L	0.065						53469-21-9
Analyte	AROCLOR-1248	ND	0.065	U	ug/L	0.065						12672-29-6
Analyte	AROCLOR-1254	ND	0.065	U	ug/L	0.065						11097-69-1
Analyte	AROCLOR-1260	ND	0.065	U	ug/L	0.065						11096-82-5
Surrogate	DECACHLOROBIPHENYL	%R	0.20		ug/L		78	0.25	36 to 144			2051-24-3
Surrogate	TETRACHLORO-M-XYLENE	%R	0.19		ug/L		74	0.25	30 to 132			877-09-8

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 4F0P671 **Chain of Custody Number: 030366** **Received by SGS 06/30/04 09:30**
ATTN: Bruce Eulian BLASLAND, BOUCK & LEE, INC. PITTSFIELD MA

Reference: 25-FMR-SOIL-1 Description: GRAB FMR BLDG. 25 PITTSFIELD MA Matrix: SOIL Sampled: 06/29/04 14:20
SGS Lab Number: TA4F0P671001 Percent Solids: 80 Sample Type: F

Prep Code: SW3541C Prepared: 06/30/04 11:00 Preparation Batch: 030905 Analyst: bcl Report Basis: Dry
Run#: 061 Method Code: SW8082 Analyzed: 06/30/04 18:19 Analytical Batch: 030860 Dilution Factor: 1.00 Analytical Run Type: 00

Type	Parameter Name	CF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDEL	CAS Number
Analyte	AROCLOR-1016	ND	0.042	U	mg/Kg	0.042						12674-11-2
Analyte	AROCLOR-1221	ND	0.042	U	mg/Kg	0.042						11104-28-2
Analyte	AROCLOR-1232	ND	0.042	U	mg/Kg	0.042						11141-16-5
Analyte	AROCLOR-1242	ND	0.042	U	mg/Kg	0.042						53469-21-9
Analyte	AROCLOR-1248	ND	0.042	U	mg/Kg	0.042						12672-29-6
Analyte	AROCLOR-1254	ND	0.042	U	mg/Kg	0.042						11097-69-1
Analyte	AROCLOR-1260	<Rlt>	1.2		mg/Kg	0.042						11096-82-5
Surrogate	DECACHLOROBIPHENYL	qc	0.020	*	mg/Kg		48	0.042	50 to 150			2051-24-3
Surrogate	TETRACHLORO-M-XYLENE	qc	0.012		mg/Kg		29	0.042	27 to 132			877-09-8

Reference: 25-FMR-SOIL-2 Description: GRAB FMR BLDG. 25 PITTSFIELD MA Matrix: SOIL Sampled: 06/29/04 14:25
SGS Lab Number: TA4F0P671002 Percent Solids: 80 Sample Type: F

Prep Code: SW3541C Prepared: 06/30/04 11:00 Preparation Batch: 030905 Analyst: bcl Report Basis: Dry
Run#: 061 Method Code: SW8082 Analyzed: 06/30/04 18:36 Analytical Batch: 030860 Dilution Factor: 1.00 Analytical Run Type: 00

Type	Parameter Name	CF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDEL	CAS Number
Analyte	AROCLOR-1016	ND	0.042	U	mg/Kg	0.042						12674-11-2
Analyte	AROCLOR-1221	ND	0.042	U	mg/Kg	0.042						11104-28-2
Analyte	AROCLOR-1232	ND	0.042	U	mg/Kg	0.042						11141-16-5
Analyte	AROCLOR-1242	ND	0.042	U	mg/Kg	0.042						53469-21-9
Analyte	AROCLOR-1248	ND	0.042	U	mg/Kg	0.042						12672-29-6
Analyte	AROCLOR-1254	ND	0.042	U	mg/Kg	0.042						11097-69-1
Analyte	AROCLOR-1260	<Rlt>	1.5		mg/Kg	0.042						11096-82-5
Surrogate	DECACHLOROBIPHENYL	qc	0.021		mg/Kg		53	0.042	50 to 150			2051-24-3
Surrogate	TETRACHLORO-M-XYLENE	qc	0.013		mg/Kg		32	0.042	27 to 132			877-09-8

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 4F0P671 **Chain of Custody Number: 030366** **Received by SGS 06/30/04 09:30**
ATTN: Bruce Eulian **BLASLAND, BOUCK & LEE, INC.** **PITTSFIELD MA**

Reference: 25-FMR-SOIL-3 Description: GRAB FMR BLDG. 25 PITTSFIELD MA Matrix: SOIL Sampled: 06/29/04 14:30
SGS Lab Number: TA4F0P671003 Percent Solids: 78 Sample Type: F

Prep Code: SW3541C Prepared: 06/30/04 11:09 Preparation Batch: 098965 Analyst: bcl Report Basis: Dry
Run#: 001 Method Code: SW8082 Analyzed: 07/01/04 11:51 Analytical Batch: 098889 Dilution Factor: 5.00 Analytical Run Type: QC

Type	Parameter Name	Qf	Result	RF	Units	PQL	MDL	Spk Amt	Spk Limits	RPD	RPD Limit	CAS Number
Analyte	AROCLOR-1016	MD	0.21	U	mg/Kg	0.21						12674-11-2
Analyte	AROCLOR-1221	MD	0.21	U	mg/Kg	0.21						11104-28-2
Analyte	AROCLOR-1232	MD	0.21	U	mg/Kg	0.21						11141-16-5
Analyte	AROCLOR-1242	MD	0.21	U	mg/Kg	0.21						53469-21-9
Analyte	AROCLOR-1248	MD	0.21	U	mg/Kg	0.21						12672-29-6
Analyte	AROCLOR-1254	MD	0.21	U	mg/Kg	0.21						11097-69-1
Analyte	AROCLOR-1260	<Dil>	4.6		mg/Kg	0.21						11096-82-5
Surrogate	DECACHLOROBIPHENYL	qc	0.037		mg/Kg			92	0.042	56 to 150		2051-24-3
Surrogate	TETRACHLORO-M-XYLENE	qc	0.035		mg/Kg			82	0.042	27 to 132		877-09-8

Reference: 25-FMR-SOIL-4 Description: GRAB FMR BLDG. 25 PITTSFIELD MA Matrix: SOIL Sampled: 06/29/04 14:35
SGS Lab Number: TA4F0P671004 Percent Solids: 77 Sample Type: F

Prep Code: SW3541C Prepared: 06/30/04 11:09 Preparation Batch: 098965 Analyst: bcl Report Basis: Dry
Run#: 001 Method Code: SW8082 Analyzed: 07/01/04 12:08 Analytical Batch: 098889 Dilution Factor: 5.00 Analytical Run Type: QC

Type	Parameter Name	Qf	Result	RF	Units	PQL	MDL	Spk Amt	Spk Limits	RPD	RPD Limit	CAS Number
Analyte	AROCLOR-1016	MD	0.22	U	mg/Kg	0.22						12674-11-2
Analyte	AROCLOR-1221	MD	0.22	U	mg/Kg	0.22						11104-28-2
Analyte	AROCLOR-1232	MD	0.22	U	mg/Kg	0.22						11141-16-5
Analyte	AROCLOR-1242	MD	0.22	U	mg/Kg	0.22						53469-21-9
Analyte	AROCLOR-1248	MD	0.22	U	mg/Kg	0.22						12672-29-6
Analyte	AROCLOR-1254	MD	0.22	U	mg/Kg	0.22						11097-69-1
Analyte	AROCLOR-1260	<Dil>	3.7		mg/Kg	0.22						11096-82-5
Surrogate	DECACHLOROBIPHENYL	qc	0.031		mg/Kg			73	0.043	50 to 150		2051-24-3
Surrogate	TETRACHLORO-M-XYLENE	qc	0.039		mg/Kg			89	0.043	27 to 132		877-09-8

Attachment 5

TABLE A
PRE-DESIGN INVESTIGATION SOIL DATA FOR PCBs

AUGUST 2004 EXCAVATION FOR LEAKING FIRE PROTECTION LINE WEST OF OP-2
UNKAMET BROOK REMOVAL ACTON AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-W-K11	0-1	8/19/2003	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	0.060 J[P]	0.060 J
	1-6	8/19/2003	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]
	6-11	8/19/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)

Notes:

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

Data Qualifiers:

Organics

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

TABLE B
PRE-DESIGN INVESTIGATION SOIL DATA FOR APPENDIX IX+3 CONSTITUENTS

AUGUST 2004 EXCAVATION FOR LEAKING FIRE PROTECTION LINE WEST OF OP-2
UNKAMET BROOK REMOVAL ACTON 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-W-K11 1-6 08/19/03	RAA10-W-K11 4-6 08/19/03	RAA10-W-K11 6-11 08/19/03	RAA10-W-K11 10-11 08/19/03
Volatile Organics				
Acetone	NA	ND(0.012) [ND(0.013)]	NA	0.011
Acetonitrile	NA	ND(0.0050) [ND(0.0050)]	NA	0.0077
Methylene Chloride	NA	ND(0.0050) [ND(0.0050)]	NA	0.00051 JB
trans-1,4-Dichloro-2-butene	NA	ND(0.10) [ND(0.10)]	NA	0.032 JB
Semivolatile Organics				
None Detected	--	--	--	--
Furans				
2,3,7,8-TCDF	0.00000013 J [0.00000015 J]	NA	0.000000081 J	NA
TCDFs (total)	0.00000098 [0.00000078]	NA	0.000000081	NA
2,3,4,7,8-PeCDF	0.00000015 J [0.00000021 J]	NA	ND(0.000000055) X	NA
PeCDFs (total)	0.0000022 [0.0000029]	NA	ND(0.00000027)	NA
1,2,3,4,7,8-HxCDF	ND(0.00000015) X [0.00000016 J]	NA	ND(0.00000027)	NA
1,2,3,6,7,8-HxCDF	0.000000094 J [0.00000011 J]	NA	ND(0.000000077) X	NA
2,3,4,6,7,8-HxCDF	0.00000011 J [0.00000016 J]	NA	ND(0.00000027)	NA
HxCDFs (total)	0.0000021 [0.0000029]	NA	0.000000051	NA
1,2,3,4,6,7,8-HpCDF	0.00000015 J [0.00000021 J]	NA	0.000000077 J	NA
HpCDFs (total)	0.00000034 [0.00000021]	NA	0.000000077	NA
OCDF	ND(0.00000011) X [0.00000017 J]	NA	ND(0.00000053)	NA
Dioxins				
TCDDs (total)	ND(0.00000028) [0.00000019]	NA	ND(0.00000026)	NA
PeCDDs (total)	0.00000018 [0.00000016]	NA	ND(0.00000028)	NA
1,2,3,6,7,8-HxCDD	ND(0.00000029) [0.000000065 J]	NA	ND(0.00000027)	NA
HxCDDs (total)	0.00000013 [0.00000019]	NA	ND(0.00000042)	NA
1,2,3,4,6,7,8-HpCDD	0.00000033 J [0.00000031 J]	NA	0.00000021 J	NA
HpCDDs (total)	0.00000062 [0.00000061]	NA	0.00000021	NA
OCDD	0.0000024 J [0.0000025 J]	NA	0.0000016 J	NA
Total TEQs (WHO TEFs)	0.00000038 [0.00000030]	NA	0.00000029	NA
Inorganics				
Arsenic	2.70 [2.70]	NA	2.70	NA
Barium	21.0 E [23.9 E]	NA	21.5 E	NA
Beryllium	0.170 B [0.190 B]	NA	0.170 B	NA
Chromium	6.60 [7.00]	NA	6.50	NA
Cobalt	5.50 * [5.80 *]	NA	5.80 *	NA
Copper	10.7 [10.7]	NA	11.2	NA
Cyanide	ND(0.0200) [0.0800 B]	NA	ND(0.0200)	NA
Lead	4.90 [5.20]	NA	4.70	NA
Nickel	10.8 E [11.3 E]	NA	10.7 E	NA
Sulfide	23.4 [27.9]	NA	22.4	NA
Thallium	ND(0.370) [ND(0.390)]	NA	0.540 B	NA
Tin	1.30 B [1.20 B]	NA	1.60 B	NA
Vanadium	6.60 [7.50]	NA	6.30	NA
Zinc	33.5 [46.2]	NA	33.6	NA

TABLE B
PRE-DESIGN INVESTIGATION SOIL DATA FOR APPENDIX IX+3 CONSTITUENTS

AUGUST 2004 EXCAVATION FOR LEAKING FIRE PROTECTION LINE WEST OF OP-2
UNKAMET BROOK REMOVAL ACTION AREA
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. and CompuChem Environmental Corporation 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. Field duplicate sample results are presented in brackets.
6. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.

Data Qualifiers:

Organics (volatiles, semivolatiles, dioxin/furans)

- B - Analyte was also detected in the associated method blank.
- J - Indicates an estimated value less than the practical quantitation limit (PQL).
- X - Estimated maximum possible concentration.

Inorganics

- B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
- E - Serial dilution results not within 10%. Applicable only if analyte concentration is at least 50X the IDL in original sample.
- * - Indicates laboratory duplicate analysis was outside control limits.

Attachment E

Pre-Excavation Notification for East Street Area 2-South (GECD150)

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

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

October 22, 2004

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

Mr. James DiLarenzo
U.S. Environmental Protection Agency
EPA New England
One Congress Street, Suite 1100
Boston, MA 02114-2023

Re: US EPA Area 1, DEP Site GECD150 – Pre-Excavation Notification

Dear Ms. Steenstrup and Mr. DiLarenzo:

In accordance with the General Electric Company (GE) *Protocols for the Management of Excavation Activities*, this letter serves as a pre-excavation notice for a Planned Major Excavation to install a gas main.

The scope of this project includes a 250' X 1.5' X 2.5' excavation for the installation of a new gas main. It is estimated that the total amount of soil excavated will be thirty-five (35) cubic yards. The work will be performed within standard grid: R-14.

All excavated material will be sent to GE's OPCA Cell 71 for disposal, therefore no analytical will be obtained. In addition, if any gross contamination or free oil is encountered during the excavation all related activities will be halted pending notification of your offices.

This excavation is tentatively scheduled to start and finish in November. Please contact me at (413) 448-5905 if you have any questions.

Yours truly,

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

Cc: Robert Bell, DEP
Michael Carroll, GE
Rod McLaren, GE
John Levesque, GE
Dean Tagliaferro, EPA
Anna Symington, DEP
Craig Bruening, BB&L
Peter Varley, Onyx

Attachment F

Pre-Excavation Notification for Unkamet Brook Area (GECD170)

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

October 12, 2004

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

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

Mr. James DiLarenzo
U.S. Environmental Protection Agency
EPA New England
One Congress Street, Suite 1100
Boston, MA 02114-2023

Re: US EPA Area 1, DEP Site GECD170 – Pre-Excavation Notification

Dear Ms. Steenstrup and Mr. DiLarenzo:

In accordance with the General Electric Company (GE) *Protocols for the Management of Excavation Activities*, this letter serves as a pre-excavation notice for a Planned Major Excavation to remove a firewater storage tank.

The scope of this project will be an 8'x8'x8' excavation to remove a firewater tank and then subsequent routine plumbing to remove the city water connection. It is estimated that the total amount of soil excavated will be twenty (20) cubic yards. The work will be performed within standard grid: J-50.

Analytical from the pre-design soil boring locations: RAA10-E-J27, RAA10-E-J28, RAA10-E-K26, RAA10-E-K27, RAA10-E-K28, RAA10-E-K29, RAA10-E-L26, RAA10-E-L27 and RAA10-E-L28 are included as attachment 1 of this notification. The boring locations provide relevant analytical to the excavation area. PCB concentrations from each of the above 9 borings are less than 1 ppm. Supplemental TCLP testing was preformed on September 24, 2004 to further characterize the excavated soil. One composite sample was analyzed from gathering four full-column discrete grab samples within the excavation area. This supplemental analytical is included as attachment 2 of this notification. PID readings taken from the four full-column sampling points indicated the potential presence of volatile constituents. Based on the guidelines outlined in the *Protocols for the Management of Excavation Activities* three additional samples were gathered and sent for VOC analysis. The PID readings and the VOC data are included as attachment 3 of this notification. Based on the above information and the guidelines outlined in the *Protocols for the Management of Excavation Activities* no further sampling is required.

Per the *Protocols for the Management of Excavation Activities* material excavated will be sent to GE's OPCA Cell 78 for disposal. In addition, if any gross contamination or free oil is encountered during the excavation all related activities will be halted pending notification of your offices.

This excavation is tentatively scheduled to start and finish later this month. Please contact me at (413) 494-3177 if you have any questions.

Yours truly,

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

Cc (Letter Only): Robert Bell, DEP
Michael Carroll, GE
Rod McLaren, GE
John Levesque, GE

Cc (Letter/Attachments): Dean Tagliaferro, EPA
Anna Symington, DEP
Craig Bruening, BB&L
Peter Varley, Onyx

Attachment 1

TABLE 1
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

EXCAVATION EAST OF BUILDING OP-3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-E-J27	0-1	6/1/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-J28	0-1	5/27/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.082	0.16	0.242
	1-3	5/27/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.031 J	0.067	0.098
	3-6	5/27/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	6-15	5/27/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
RAA10-E-K26	0-1	6/1/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-K27	0-1	7/28/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.090	0.20	0.29
RAA10-E-K28	0-1	6/1/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.059	0.083	0.142
RAA10-E-K29	0-1	6/1/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.15	0.34	0.49
RAA10-E-L26	0-1	5/10/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.037	ND(0.036)	0.037
	1-3	5/10/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	3-6	5/10/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	6-15	5/10/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-L27	0-1	6/1/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.069	0.069
RAA10-E-L28	1-3	5/28/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.24	0.24
	3-6	5/28/2004	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]
	6-15	5/28/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)

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

Data Qualifiers:

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

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

EXCAVATION EAST OF BUILDING OP-3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID / Sample Depth(Feet) / Date Collected:	RAA10-E-J28 1-3 05/27/04	RAA10-E-J28 3-6 05/27/04	RAA10-E-J28 4-6 05/27/04	RAA10-E-J28 6-8 05/27/04
Volatile Organics				
None Detected	--	NA	--	--
Semivolatile Organics				
Acenaphthylene	ND(0.38)	ND(0.45)	NA	NA
Anthracene	ND(0.38)	ND(0.45)	NA	NA
Benzo(a)anthracene	ND(0.38)	ND(0.45)	NA	NA
Benzo(a)pyrene	ND(0.38)	ND(0.45)	NA	NA
Benzo(b)fluoranthene	ND(0.38)	ND(0.45)	NA	NA
Benzo(g,h,i)perylene	ND(0.38)	ND(0.45)	NA	NA
Benzo(k)fluoranthene	ND(0.38)	ND(0.45)	NA	NA
Chrysene	ND(0.38)	ND(0.45)	NA	NA
Dibenzo(a,h)anthracene	ND(0.38)	ND(0.45)	NA	NA
Fluoranthene	0.13 J	ND(0.45)	NA	NA
Indeno(1,2,3-cd)pyrene	ND(0.38)	ND(0.45)	NA	NA
Phenanthrene	ND(0.38)	ND(0.45)	NA	NA
Pyrene	ND(0.38)	ND(0.45)	NA	NA
Furans				
2,3,7,8-TCDF	0.0000018 J	0.0000018 J	NA	NA
TCDFs (total)	0.000020	0.000012	NA	NA
1,2,3,7,8-PeCDF	0.0000016 J	ND(0.00000065)	NA	NA
2,3,4,7,8-PeCDF	0.0000050 J	0.0000012 J	NA	NA
PeCDFs (total)	0.000064	0.0000086	NA	NA
1,2,3,4,7,8-HxCDF	0.0000053 J	0.00000092 J	NA	NA
1,2,3,6,7,8-HxCDF	0.0000037 J	ND(0.00000065)	NA	NA
1,2,3,7,8,9-HxCDF	0.00000087 J	ND(0.00000065)	NA	NA
2,3,4,6,7,8-HxCDF	0.0000035 J	ND(0.00000068) X	NA	NA
HxCDFs (total)	0.000060	0.000019	NA	NA
1,2,3,4,6,7,8-HpCDF	0.000020	0.000030	NA	NA
1,2,3,4,7,8,9-HpCDF	0.0000016 J	ND(0.00000065)	NA	NA
HpCDFs (total)	0.000036	0.000053	NA	NA
OCDF	0.000014	0.000016	NA	NA
Dioxins				
2,3,7,8-TCDD	ND(0.00000029) X	ND(0.00000026)	NA	NA
TCDDs (total)	ND(0.00000055)	ND(0.00000062)	NA	NA
1,2,3,7,8-PeCDD	0.00000065 J	ND(0.00000065)	NA	NA
PeCDDs (total)	0.0000022 J	0.00000069 JQ	NA	NA
1,2,3,4,7,8-HxCDD	ND(0.00000072) X	ND(0.00000065)	NA	NA
1,2,3,6,7,8-HxCDD	0.0000020 J	0.00000080 J	NA	NA
1,2,3,7,8,9-HxCDD	0.0000012 J	ND(0.00000065)	NA	NA
HxCDDs (total)	0.000014	0.0000026 J	NA	NA
1,2,3,4,6,7,8-HpCDD	0.000029	0.0000094	NA	NA
HpCDDs (total)	0.000056	0.000016	NA	NA
OCDD	0.00025	0.000087	NA	NA
Total TEQs (WHO TEFs)	0.0000058	0.0000020	NA	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

EXCAVATION EAST OF BUILDING OP-3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-E-J28 1-3 05/27/04	RAA10-E-J28 3-6 05/27/04	RAA10-E-J28 4-6 05/27/04	RAA10-E-J28 6-8 05/27/04
Inorganics				
Antimony	1.40 B	1.50 B	NA	NA
Arsenic	4.70	4.70	NA	NA
Barium	15.0 B	84.0	NA	NA
Beryllium	0.160 B	0.550	NA	NA
Cadmium	0.320 B	0.710	NA	NA
Chromium	5.60	15.0	NA	NA
Cobalt	5.10	11.0	NA	NA
Copper	9.80	17.0	NA	NA
Cyanide	0.0380 B	0.110 B	NA	NA
Lead	9.50	12.0	NA	NA
Mercury	ND(0.110)	0.0570 B	NA	NA
Nickel	8.80	19.0	NA	NA
Selenium	ND(1.00)	ND(1.00)	NA	NA
Silver	ND(1.00)	0.170 B	NA	NA
Sulfide	5.40 B	11.0	NA	NA
Tin	3.80 B	5.10 B	NA	NA
Vanadium	4.40 B	16.0	NA	NA
Zinc	39.0	70.0	NA	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

EXCAVATION EAST OF BUILDING OP-3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID:	RAA10-E-J28	RAA10-E-K26	RAA10-E-L28
Sample Depth(Feet):	8-15	0-1	1-3
Date Collected:	05/27/04	06/01/04	05/28/04
Volatile Organics			
None Detected	NA	--	--
Semivolatile Organics			
Acenaphthylene	ND(0.50)	ND(0.35)	2.1
Anthracene	ND(0.50)	ND(0.35)	0.93
Benzo(a)anthracene	ND(0.50)	ND(0.35)	**4.0**
Benzo(a)pyrene	ND(0.50)	ND(0.35)	**3.5**
Benzo(b)fluoranthene	ND(0.50)	ND(0.35)	**2.2**
Benzo(g,h,i)perylene	ND(0.50)	ND(0.35)	2.0
Benzo(k)fluoranthene	ND(0.50)	ND(0.35)	2.9
Chrysene	ND(0.50)	ND(0.35)	4.2
Dibenzo(a,h)anthracene	ND(0.50)	ND(0.35)	**0.78**
Fluoranthene	ND(0.50)	ND(0.35)	5.5
Indeno(1,2,3-cd)pyrene	ND(0.50)	ND(0.35)	**1.6**
Phenanthrene	ND(0.50)	ND(0.35)	0.94
Pyrene	ND(0.50)	ND(0.35)	7.5
Furans			
2,3,7,8-TCDF	0.00000032 J	0.0000010 J	0.0000060 Y
TCDFs (total)	ND(0.00000032)	0.000048 I	0.000060 Q
1,2,3,7,8-PeCDF	ND(0.00000080)	0.00000053 J	0.0000027 J
2,3,4,7,8-PeCDF	ND(0.00000080)	0.000011	0.000013
PeCDFs (total)	ND(0.00000080)	0.00012 I	0.00011 Q
1,2,3,4,7,8-HxCDF	ND(0.00000080)	0.00000092 J	0.0000062 J
1,2,3,6,7,8-HxCDF	ND(0.00000080)	0.0000022 J	0.0000038 J
1,2,3,7,8,9-HxCDF	ND(0.00000080)	0.00000056 J	0.0000026 JQ
2,3,4,6,7,8-HxCDF	ND(0.00000080)	0.0000052	0.0000081
HxCDFs (total)	ND(0.00000080)	0.000068	0.00019 Q
1,2,3,4,6,7,8-HpCDF	ND(0.00000080)	0.0000026 J	0.00021
1,2,3,4,7,8,9-HpCDF	ND(0.00000080)	ND(0.00000049)	0.0000025 J
HpCDFs (total)	ND(0.00000080)	0.0000057	0.00036
OCDF	ND(0.0000016)	0.0000015 J	0.000082
Dioxins			
2,3,7,8-TCDD	ND(0.00000032)	ND(0.00000020)	0.00000059 J
TCDDs (total)	ND(0.00000092)	ND(0.00000060)	ND(0.00000075)
1,2,3,7,8-PeCDD	ND(0.00000060)	0.00000067 J	0.0000027 J
PeCDDs (total)	ND(0.0000011)	0.0000037 J	0.000020 Q
1,2,3,4,7,8-HxCDD	ND(0.00000060)	ND(0.00000049)	0.0000060 J
1,2,3,6,7,8-HxCDD	ND(0.00000060)	0.0000012 J	0.000016
1,2,3,7,8,9-HxCDD	ND(0.00000060)	0.00000063 J	0.0000045 J
HxCDDs (total)	ND(0.0000014)	0.000012	0.00011
1,2,3,4,6,7,8-HpCDD	ND(0.00000060)	0.0000045 J	0.00026
HpCDDs (total)	ND(0.00000080)	0.000010	0.00051
OCDD	0.0000049 J	0.000024	0.0020
Total TEQs (WHO TEFs)	0.0000011	0.0000076	0.000020

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

EXCAVATION EAST OF BUILDING OP-3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-E-J28 6-15 05/27/04	RAA10-E-K28 0-1 06/01/04	RAA10-E-L28 1-3 05/28/04
Inorganics				
Antimony		ND(6.00)	ND(6.00)	ND(6.00)
Arsenic		2.60	2.90	4.50
Barium		70.0	13.0 B	42.0
Beryllium		0.430 B	0.140 B	0.240 B
Cadmium		0.580	0.360 B	0.380 B
Chromium		14.0	3.90	15.0
Cobalt		10.0	6.90	6.50
Copper		15.0	9.30	16.0
Cyanide		ND(0.300)	0.0420 B	0.100 B
Lead		7.80	4.90	19.0
Mercury		0.0220 B	ND(0.110)	0.0410 B
Nickel		17.0	8.20	12.0
Selenium		ND(1.10)	0.610 B	ND(1.00)
Silver		ND(1.10)	ND(1.00)	ND(1.00)
Sulfide		22.0	ND(5.30)	12.0
Tin		5.10 B	3.80 B	4.90 B
Vanadium		14.0	4.20 B	9.80
Zinc		66.0	28.0	54.0

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

EXCAVATION EAST OF BUILDING OP-3
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 SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
5. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
6. -- Indicates that all constituents for the parameter group were not detected.
7. Results that are highlighted and bold exceed MCP Method S-2 Soil Standards.

Data Qualifiers:

Organics (volatiles, semivolatiles, dioxin/furans)

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

Inorganics

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

Attachment 2

SGS

CHAIN OF CUSTODY RECORD
CT&E Enviromental Services Inc.
Laboratory Division

Locations Nationwide
- Alaska
- Maryland
- New Jersey
- Hawaii
- Louisiana
- Michigan
- West Virginia

www.sgsenvironmental.com

030719

(1)

CLIENT: BBL INC.

CONTACT: BRUCE EULIAN PHONE NO: (413) 494-4317

PROJECT: OP-3 FIRE WATER TANK MAJOR EXCAVATION REMOVAL SITE/PWSID#: GE - OP3 PITTSFIELD MA.

REPORTS TO: PETER VARLEY -(413) 494-5695 (FAX) BRUCE EULIAN - FAX NO: (413)

INVOICE TO: BRUCE EULIAN QUOTE #

P.O. NUMBER 82949.55

CT&E Reference: TA4-IOP558-1/8 6 3D

PAGE 1 OF 1

(2)

Preservative Used: ICE, ICE

(3) Analysis Required: TCLP METHOD 1311; VOC 5035 (1) 5gram

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C= COMP, G= GRAB)	TCLP METHOD 1311	VOC 5035 5gram	REMARKS
1/3	OP-3-COMPOSITE - 1	9/24/04	1100	SOIL	1	G	1		
1/3 4/5	OP3- COMPOSITE - ~~1~~ 2	9/24/04	1100	SOIL	1	G	1		Container labeled Comp 2
4 6	OP3- BORING-1 (6'-8')	9/24/04	0930	SOIL	2	G		2	
5 7	OP3- BORING-2 (6'-8')	9/24/04	1000	SOIL	2	G		2	
6 8	OP3- BORING-3 (7'-8')	9/24/04	1030	SOIL	2	G		2	

(5)

Collected/Relinquished By: (1)	Date	Time	Received By:
[signature]	9/24/04	1130	[signature]
Relinquished By: (2) [signature]	9-24-04	1200	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	9/25/04	1025	Received By: [signature]

(4)

Shipping Carrier:

Shipping Ticket No: UPS

Special Deliverable Requirements:

Samples Received Cold? (Circle) YES (circled) NO

Temperature °C: 3.1

Chain of Custody Seal: (Circle) INTACT (circled) BROKEN ABSENT

Requested Turnaround Time and Special Instructions:

~~RUSH~~ *RUSH*

OP-3-Comp-1,2 composite the 2 jars into 1 sample rename as OP-3-Composite-3 per [initials]

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 4I0P558 **Chain of Custody Number: 030719** **Received by SGS 09/25/04 10:25**
ATTN: Bruce Eulian **BLASLAND, BOUCK & LEE, INC.** **PITTSFIELD MA**

Reference: OP-3-COMPOSITE 1 Description: COMPOSITE OP-3 FIRE WATER TANK EXCAVATION REMOVAL Matrix: LEACHATE Sampled: 09/24/04 11:00
SGS Lab Number: TA4I0P558002 Percent Solids: N/A Sample Type: L

Prep Code: SW1311 Prepared: 09/28/04 11:30 Preparation Batch: 103136 Analyst: tep Report Basis: N/A
Run#: 001 Method Code: SW8151 Analyzed: 09/30/04 10:55 Analytical Batch: 103262 Dilution Factor: 10.00 Analytical Run Type: 00

Type..... Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDNi	CAS Number
Analyte.... 2,4,5-TP (SILVEX), TCLP		ND	0.010	U	mg/L	0.010					93-72-1
Analyte.... 2,4-D, TCLP		ND	0.010	U	mg/L	0.010					94-75-7

Reference: OP-3-COMPOSITE 1 Description: COMPOSITE OP-3 FIRE WATER TANK EXCAVATION REMOVAL Matrix: LEACHATE Sampled: 09/24/04 11:00
SGS Lab Number: TA4I0P558002 Percent Solids: N/A Sample Type: L

Prep Code: SW1311 Prepared: 09/28/04 02:00 Preparation Batch: 103078 Analyst: JWJ Report Basis: N/A
Run#: 001 Method Code: SW6010B Analyzed: 09/28/04 14:17 Analytical Batch: 103133 Dilution Factor: 1.00 Analytical Run Type: 00

Type..... Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDNi	CAS Number
Analyte.... ARSENIC, TCLP		ND	0.10	U	mg/L	0.10					7440-38-2
Analyte.... BARIUM, TCLP		<Hit>	0.40		mg/L	0.010					7440-39-3
Analyte.... CADMIUM, TCLP		<Hit>	0.0012	B	mg/L	0.020					7440-43-9
Analyte.... CHROMIUM, TCLP		<Hit>	0.0017	B	mg/L	0.050					7440-47-3
Analyte.... LEAD, TCLP		<Hit>	0.0067	B	mg/L	0.10					7439-92-1
Analyte.... SELENIUM, TCLP		ND	0.20	U	mg/L	0.20					7782-49-2
Analyte.... SILVER, TCLP		<Hit>	0.0015	B	mg/L	0.020					7440-22-4

Reference: OP-3-COMPOSITE 1 Description: COMPOSITE OP-3 FIRE WATER TANK EXCAVATION REMOVAL Matrix: LEACHATE Sampled: 09/24/04 11:00
SGS Lab Number: TA4I0P558002 Percent Solids: N/A Sample Type: L

Prep Code: SW1311 Prepared: 09/28/04 17:25 Preparation Batch: 103153 Analyst: RSS Report Basis: N/A
Run#: 001 Method Code: SW7470A Analyzed: 09/29/04 11:21 Analytical Batch: 103176 Dilution Factor: 1.00 Analytical Run Type: 00

Type..... Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDNi	CAS Number
Analyte.... MERCURY, TCLP		ND	0.0020	U	mg/L	0.0020					7439-97-6

SGS - Environmental Services

1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 4I0P558 **Chain of Custody Number: 030719** **Received by SGS 09/25/04 10:25**
ATTN: Bruce Eulian **BLASLAND, BOUCK & LEE, INC.** **PITTSFIELD MA**

Reference: OP-3-COMPOSITE 1 Description: COMPOSITE OP-3 FIRE WATER TANK EXCAVATION REMOVAL Matrix: LEACHATE Sampled: 09/24/04 11:00
SGS Lab Number: TA4I0P558002 Percent Solids: N/A Sample Type: L

Prep Code: SW1311 Prepared: 09/28/04 10:00 Preparation Batch: 103137 Analyst: tep Report Basis: N/A
Run#: 001 Method Code: SW8081A Analyzed: 09/29/04 12:34 Analytical Batch: 103196 Dilution Factor: 10.00 Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	ENDRIN, TCLP		ND	0.0015 U	mg/L	0.0015						72-20-8
Analyte....	GAMMA-BHC, TCLP		ND	0.0025 U	mg/L	0.0025						58-89-9
Analyte....	HEPTACHLOR EPOXIDE, TCLP		ND	0.0020 U	mg/L	0.0020						1024-57-3
Analyte....	HEPTACHLOR, TCLP		ND	0.0020 U	mg/L	0.0020						76-44-8
Analyte....	METHOXYCHLOR, TCLP		ND	0.040 U	mg/L	0.040						72-43-5
Analyte....	TECHNICAL CHLORDANE, TCLP		ND	0.012 U	mg/L	0.012						57-74-9
Analyte....	TOXAPHENE, TCLP		ND	0.050 U	mg/L	0.050						8001-35-2

Reference: OP-3-COMPOSITE 1 Description: COMPOSITE OP-3 FIRE WATER TANK EXCAVATION REMOVAL Matrix: LEACHATE Sampled: 09/24/04 11:00
SGS Lab Number: TA4I0P558002 Percent Solids: N/A Sample Type: L

Prep Code: SW1311 Prepared: 09/28/04 13:19 Preparation Batch: 103126 Analyst: pac Report Basis: N/A
Run#: 001 Method Code: SW8260B Analyzed: 09/28/04 13:19 Analytical Batch: 103126 Dilution Factor: 5.00 Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	1,1-DICHLOROETHENE, TCLP		ND	0.10 U	mg/L	0.10						75-35-4
Analyte....	1,2-DICHLOROETHANE, TCLP		ND	0.10 U	mg/L	0.10						107-06-2
Analyte....	2-BUTANONE, TCLP		ND	0.20 U	mg/L	0.20						78-93-3
Analyte....	BENZENE, TCLP		ND	0.10 U	mg/L	0.10						71-43-2
Analyte....	CARBON TETRACHLORIDE, TCLP		ND	0.10 U	mg/L	0.10						56-23-5
Analyte....	CHLOROBENZENE, TCLP		ND	0.10 U	mg/L	0.10						108-90-7
Analyte....	CHLOROFORM, TCLP		ND	0.10 U	mg/L	0.10						67-66-3
Analyte....	TETRACHLOROETHENE, TCLP		ND	0.10 U	mg/L	0.10						127-18-4
Analyte....	TRICHLOROETHENE, TCLP		ND	0.10 U	mg/L	0.10						79-01-6
Analyte....	VINYL CHLORIDE, TCLP		ND	0.10 U	mg/L	0.10						75-01-4

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 410P558 **Chain of Custody Number: 030719** **Received by SGS 09/25/04 10:25**
ATTN: Bruce Eulian **BLASLAND, BOUCK & LEE, INC.** **PITTSFIELD MA**

Reference: OP-3-COMPOSITE 1 Description: COMPOSITE OP-3 FIRE WATER TANK EXCAVATION REMOVAL Matrix: LEACHATE Sampled: 09/24/04 11:00
SGS Lab Number: TA410P558002 Percent Solids: N/A Sample Type: L

Prep Code: SW3510C Prepared: 09/28/04 14:00 Preparation Batch: 103135 Analyst: tjb Report Basis: N/A
Run#: 001 Method Code: SW8270C Analyzed: 09/28/04 14:58 Analytical Batch: 103163 Dilution Factor: 1.00 Analytical Run Type: QC

Type	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte	1,4-DICHLOROBENZENE, TCLP	ND	0.050	U	mg/L	0.050						106-46-7
Analyte	2,4,5-TRICHLOROPHENOL, TCLP	ND	0.050	U	mg/L	0.050						95-95-4
Analyte	2,4,6-TRICHLOROPHENOL, TCLP	ND	0.050	U	mg/L	0.050						88-06-2
Analyte	2,4-DINITROTOLUENE, TCLP	ND	0.050	U	mg/L	0.050						121-14-2
Analyte	CRESOLS, TOTAL, TCLP	ND	0.050	U	mg/L	0.050						
Analyte	HEXACHLOROBENZENE, TCLP	ND	0.050	U	mg/L	0.050						118-74-1
Analyte	HEXACHLOROBUTADIENE, TCLP	ND	0.050	U	mg/L	0.050						87-68-3
Analyte	HEXACHLOROETHANE, TCLP	ND	0.050	U	mg/L	0.050						67-72-1
Analyte	NITROBENZENE, TCLP	ND	0.050	U	mg/L	0.050						98-95-3
Analyte	PENTACHLOROPHENOL, TCLP	ND	0.050	U	mg/L	0.050						87-86-5
Analyte	PYRIDINE, TCLP	ND	0.050	U	mg/L	0.050						110-86-1

Reference: OP3-BORING-1 (6-8') Description: GRAB OP-3 FIRE WATER TANK EXCAVATION REMOVAL Matrix: SOIL Sampled: 09/24/04 09:30
SGS Lab Number: TA410P558004 Percent Solids: 75 Sample Type: F

Prep Code: SW5030B/SW5035 Prepared: 09/27/04 12:28 Preparation Batch: 103091 Analyst: pac Report Basis: Dry
Run#: 001 Method Code: SW8260B Analyzed: 09/27/04 12:28 Analytical Batch: 103091 Dilution Factor: 1.00 Analytical Run Type: QC

Type	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte	1,1,1,2-TETRACHLOROETHANE	ND	0.0067	U	mg/Kg	0.0067						630-20-6
Analyte	1,1,1-TRICHLOROETHANE	ND	0.0067	U	mg/Kg	0.0067						71-55-6
Analyte	1,1,2,2-TETRACHLOROETHANE	ND	0.0067	U	mg/Kg	0.0067						79-34-5
Analyte	1,1,2-TRICHLOROETHANE	ND	0.0067	U	mg/Kg	0.0067						79-00-5
Analyte	1,1-DICHLOROETHANE	ND	0.0067	U	mg/Kg	0.0067						75-34-3
Analyte	1,1-DICHLOROETHENE	ND	0.0067	U	mg/Kg	0.0067						75-35-4
Analyte	1,2,3-TRICHLOROPROPANE	ND	0.0067	U	mg/Kg	0.0067						96-18-4
Analyte	1,2-DIBROMO-3-CHLOROPROPANE	ND	0.0067	U	mg/Kg	0.0067						96-12-8
Analyte	1,2-DIBROMOETHANE	ND	0.0067	U	mg/Kg	0.0067						106-93-4
Analyte	1,2-DICHLOROETHANE	ND	0.0067	U	mg/Kg	0.0067						107-06-2
Analyte	1,2-DICHLOROPROPANE	ND	0.0067	U	mg/Kg	0.0067						78-87-5
Analyte	1,4-DIOXANE	ND	0.13	U	mg/Kg	0.13						123-91-1
Analyte	2-BUTANONE	ND	0.013	U	mg/Kg	0.013						78-93-3
Analyte	2-CHLORO-1,3-BUTADIENE	ND	0.0067	U	mg/Kg	0.0067						126-99-8
Analyte	2-CHLOROETHYL VINYL ETHER	ND	0.0067	U	mg/Kg	0.0067						110-75-8
Analyte	2-HEXANONE	ND	0.013	U	mg/Kg	0.013						591-78-6
Analyte	3-CHLOROPROPENE	ND	0.0067	U	mg/Kg	0.0067						107-05-1
Analyte	4-METHYL-2-PENTANONE	ND	0.013	U	mg/Kg	0.013						108-10-1
Analyte	ACETONE	<Hit>	0.018	J	mg/Kg	0.027						67-64-1
Analyte	ACETONITRILE	ND	0.13	U	mg/Kg	0.13						75-05-8
Analyte	ACROLEIN	ND	0.13	U	mg/Kg	0.13						107-02-8

Attachment 3

BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

General Dynamics – OP-3
Firewater Tank Removal Soil Sampling

(829.49.55)

(Table 1)

LAB ID	SAMPLE DATE	SAMPLE MATERIAL	SAMPLE TYPE	SOIL COLUMN (INCHES)	PID READINGS (ppm)
BORING 1	9/24/2004	SOIL	DISCRETE-GRAB	0-1"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	1-2"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	2-3"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	3-4"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	4-5"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	5-6"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	6-7"	425
	9/24/2004	SOIL	DISCRETE-GRAB	7-8"	425
BORING 2	9/24/2004	SOIL	DISCRETE-GRAB	0-1"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	1-2"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	2-3"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	3-4"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	4-5"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	5-6"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	6-7"	550
	9/24/2004	SOIL	DISCRETE-GRAB	7-8"	550

LAB ID	SAMPLE DATE	SAMPLE MATERIAL	SAMPLE TYPE	SOIL COLUMN (INCHES)	PID READINGS (ppm)
BORING 3	9/24/2004	SOIL	DISCRETE-GRAB	0-1"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	1-2"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	2-3"	8.2
	9/24/2004	SOIL	DISCRETE-GRAB	3-4"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	4-5"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	5-6"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	6-7"	6.5
	9/24/2004	SOIL	DISCRETE-GRAB	7-8"	13.9
BORING 4	9/24/2004	SOIL	DISCRETE-GRAB	0-1"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	1-2"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	2-3"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	3-4"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	4-5"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	5-6"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	6-7"	0.0
	9/24/2004	SOIL	DISCRETE-GRAB	7-8"	0.0

Notes:

The samples were collected using a tractor mounted power probe with LPDE liner

SGS

CHAIN OF CUSTODY RECORD
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030719

CLIENT: BBL INC.

CONTACT: BRUCE EULIAN PHONE NO: (413) 494-4317

PROJECT: OP-3 FIRE WATER TANK MAJOR EXCAVATION REMOVAL SITE/PWSID#: GE-OP3 PITTSFIELD MA.

REPORTS TO: PETER VARLEY -(413) 494-5695 (FAX)
BRUCE EULIAN - FAX NO: (413)

INVOICE TO: BRUCE EULIAN QUOTE #

P.O. NUMBER 8294955

CT&E Reference: TA4-IO-P558-1/86

PAGE 1 OF 1

Preservatives Used: ICE, ICE

Analysis Required: TCLP METHOD 1311 (1) 5gram; VOC 5035 (2) 5gram

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C=COMP, G=GRAB)	TCLP METHOD 1311	VOC 5035	REMARKS
1/3	OP-3-COMPOSITE-1	9/24/04	1100	SOIL	1	G	1		
1/3 4/5	OP3-COMPOSITE-2	9/24/04	1100	SOIL	1	G	1		Container labeled Comp 2
4 6	OP3-BORING-1 (6'-8')	9/24/04	0930	SOIL	2	G		2	
5 7	OP3-BORING-2 (6'-8')	9/24/04	1000	SOIL	2	G		2	
6 8	OP3-BORING-3 (7'-8')	9/24/04	1030	SOIL	2	G		2	

Collected/Relinquished By: (1)	Date	Time	Received By:
[signature]	9/24/04	1130	[signature]
Relinquished By: (2) [signature]	9-24-04	1200	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	9/25/04	1025	Received By: [signature]

Shipping Carrier:

Shipping Ticket No: UPS

Samples Received Cold? (Circle) YES NO — circled YES

Temperature °C: 3.7

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT — circled INTACT

Requested Turnaround Time and Special Instructions:

~~*RUSH*~~ *RUSH*

OP-3-Comp-1,2 composite the 2 jars into 1 sample rename as OP-3-Composite-3 per Bob

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 4I0P558 **Chain of Custody Number: 030719** **Received by SGS 09/25/04 10:25**
ATTN: Bruce Eulian **BLASLAND, BOUCK & LEE, INC. PITTSFIELD MA**

Reference: OP-3-COMPOSITE 1 Description: COMPOSITE OP-3 FIRE WATER TANK EXCAVATION REMOVAL Matrix: LEACHATE Sampled: 09/24/04 11:00
SGS Lab Number: TA4I0P558002 Percent Solids: N/A Sample Type: L

Prep Code: SW3510C Prepared: 09/28/04 14:00 Preparation Batch: 103135 Analyst: tjh Report Basis: N/A
Run#: 001 Method Code: SW8270C Analyzed: 09/28/04 14:58 Analytical Batch: 103163 Dilution Factor: 1.00 Analytical Run Type: OC

Type	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDRi	CAS Number
Analyte	1,4-DICHLOROBENZENE, TCLP		ND	0.050 U	mg/L	0.050						106-46-7
Analyte	2,4,5-TRICHLOROPHENOL, TCLP		ND	0.050 U	mg/L	0.050						95-95-4
Analyte	2,4,6-TRICHLOROPHENOL, TCLP		ND	0.050 U	mg/L	0.050						88-06-2
Analyte	2,4-DINITROTOLUENE, TCLP		ND	0.050 U	mg/L	0.050						121-14-2
Analyte	CRESOLS, TOTAL, TCLP		ND	0.050 U	mg/L	0.050						
Analyte	HEXACHLOROBENZENE, TCLP		ND	0.050 U	mg/L	0.050						118-74-1
Analyte	HEXACHLOROBUTADIENE, TCLP		ND	0.050 U	mg/L	0.050						87-68-3
Analyte	HEXACHLOROETHANE, TCLP		ND	0.050 U	mg/L	0.050						67-72-1
Analyte	NITROBENZENE, TCLP		ND	0.050 U	mg/L	0.050						98-95-3
Analyte	PENTACHLOROPHENOL, TCLP		ND	0.050 U	mg/L	0.050						87-86-5
Analyte	PYRIDINE, TCLP		ND	0.050 U	mg/L	0.050						110-86-1

Reference: OP3-BORING-1 (6-8') Description: GRAB OP-3 FIRE WATER TANK EXCAVATION REMOVAL Matrix: SOIL Sampled: 09/24/04 09:30
SGS Lab Number: TA4I0P558004 Percent Solids: 75 Sample Type: F

Prep Code: SW5030B/SW5035 Prepared: 09/27/04 12:28 Preparation Batch: 103091 Analyst: pac Report Basis: Dry
Run#: 001 Method Code: SW8260B Analyzed: 09/27/04 12:28 Analytical Batch: 103091 Dilution Factor: 1.00 Analytical Run Type: OC

Type	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDRi	CAS Number
Analyte	1,1,1,2-TETRACHLOROETHANE		ND	0.0067 U	mg/Kg	0.0067						630-20-6
Analyte	1,1,1-TRICHLOROETHANE		ND	0.0067 U	mg/Kg	0.0067						71-55-6
Analyte	1,1,2,2-TETRACHLOROETHANE		ND	0.0067 U	mg/Kg	0.0067						79-34-5
Analyte	1,1,2-TRICHLOROETHANE		ND	0.0067 U	mg/Kg	0.0067						79-00-5
Analyte	1,1-DICHLOROETHANE		ND	0.0067 U	mg/Kg	0.0067						75-34-3
Analyte	1,1-DICHLOROETHENE		ND	0.0067 U	mg/Kg	0.0067						75-35-4
Analyte	1,2,3-TRICHLOROPROPANE		ND	0.0067 U	mg/Kg	0.0067						96-18-4
Analyte	1,2-DIBROMO-3-CHLOROPROPANE		ND	0.0067 U	mg/Kg	0.0067						96-12-8
Analyte	1,2-DIBROMOETHANE		ND	0.0067 U	mg/Kg	0.0067						106-93-4
Analyte	1,2-DICHLOROETHANE		ND	0.0067 U	mg/Kg	0.0067						107-06-2
Analyte	1,2-DICHLOROPROPANE		ND	0.0067 U	mg/Kg	0.0067						78-87-5
Analyte	1,4-DIOXANE		ND	0.13 U	mg/Kg	0.13						123-91-1
Analyte	2-BUTANONE		ND	0.013 U	mg/Kg	0.013						78-93-3
Analyte	2-CHLORO-1,3-BUTADIENE		ND	0.0067 U	mg/Kg	0.0067						126-99-8
Analyte	2-CHLOROETHYL VINYL ETHER		ND	0.0067 U	mg/Kg	0.0067						110-75-8
Analyte	2-HEXANONE		ND	0.013 U	mg/Kg	0.013						591-78-6
Analyte	3-CHLOROPROPENE		ND	0.0067 U	mg/Kg	0.0067						107-05-1
Analyte	4-METHYL-2-PENTANONE		ND	0.013 U	mg/Kg	0.013						108-10-1
Analyte	ACETONE		<Hit>	0.018 J	mg/Kg	0.027						67-64-1
Analyte	ACETONITRILE		ND	0.13 U	mg/Kg	0.13						75-05-8
Analyte	ACROLEIN		ND	0.13 U	mg/Kg	0.13						107-02-8

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 410P558 **Chain of Custody Number: 030719** **Received by SGS 09/25/04 10:25**
ATTN: Bruce Eulian **BLASLAND, BOUCK & LEE, INC.** **PITTSFIELD MA**

Reference: OP3-BORING-1 (6-8') Description: GRAB OP-3 FIRE WATER TANK EXCAVATION REMOVAL Matrix: SOIL Sampled: 09/24/04 09:30
SGS Lab Number: TA410P558004 Percent Solids: 75 Sample Type: F

Prep Code: SW5030B/SW5035 Prepared: 09/27/04 12:28 Preparation Batch: 103091 Analyst: pac Report Basis: Dry
Run#: 001 Method Code: SW8260B Analyzed: 09/27/04 12:28 Analytical Batch: 103091 Dilution Factor: 1.00 Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	RPDi	CAS Number
Analyte....	ACRYLONITRILE		ND	0.0067 U	mg/Kg	0.0067						107-13-1
Analyte....	BENZENE		ND	0.0067 U	mg/Kg	0.0067						71-43-2
Analyte....	BROMODICHLOROMETHANE		ND	0.0067 U	mg/Kg	0.0067						75-27-4
Analyte....	BROMOFORM		ND	0.0067 U	mg/Kg	0.0067						75-25-2
Analyte....	BROMOMETHANE		ND	0.0067 U	mg/Kg	0.0067						74-83-9
Analyte....	CARBON DISULFIDE		ND	0.0067 U	mg/Kg	0.0067						75-15-0
Analyte....	CARBON TETRACHLORIDE		ND	0.0067 U	mg/Kg	0.0067						56-23-5
Analyte....	CHLOROBENZENE		ND	0.0067 U	mg/Kg	0.0067						108-90-7
Analyte....	CHLOROETHANE		ND	0.0067 U	mg/Kg	0.0067						75-00-3
Analyte....	CHLOROFORM		ND	0.0067 U	mg/Kg	0.0067						67-66-3
Analyte....	CHLOROMETHANE		ND	0.0067 U	mg/Kg	0.0067						74-87-3
Analyte....	CIS-1,3-DICHLOROPROPENE		ND	0.0067 U	mg/Kg	0.0067						10061-01-5
Analyte....	DIBROMOCHLOROMETHANE		ND	0.0067 U	mg/Kg	0.0067						124-48-1
Analyte....	DIBROMOMETHANE		ND	0.0067 U	mg/Kg	0.0067						74-95-3
Analyte....	DICHLORODIFLUOROMETHANE		ND	0.0067 U	mg/Kg	0.0067						75-71-8
Analyte....	ETHYL METHACRYLATE		ND	0.0067 U	mg/Kg	0.0067						97-63-2
Analyte....	ETHYLBENZENE		ND	0.0067 U	mg/Kg	0.0067						100-41-4
Analyte....	IODOMETHANE		ND	0.0067 U	mg/Kg	0.0067						74-88-4
Analyte....	ISOBUTANOL		ND	0.13 U	mg/Kg	0.13						78-83-1
Analyte....	METHACRYLONITRILE		ND	0.0067 U	mg/Kg	0.0067						126-98-7
Analyte....	METHYL METHACRYLATE		ND	0.0067 U	mg/Kg	0.0067						80-62-6
Analyte....	METHYLENE CHLORIDE		ND	0.0067 U	mg/Kg	0.0067						75-09-2
Analyte....	PROPIONITRILE		ND	0.013 U	mg/Kg	0.013						107-12-0
Analyte....	STYRENE		ND	0.0067 U	mg/Kg	0.0067						100-42-5
Analyte....	TETRACHLOROETHENE		ND	0.0067 U	mg/Kg	0.0067						127-18-4
Analyte....	TOLUENE		ND	0.0067 U	mg/Kg	0.0067						108-88-3
Analyte....	TRANS-1,2-DICHLOROETHENE		ND	0.0067 U	mg/Kg	0.0067						156-60-5
Analyte....	TRANS-1,3-DICHLOROPROPENE		ND	0.0067 U	mg/Kg	0.0067						10061-02-6
Analyte....	TRANS-1,4-DICHLORO-2-BUTENE		ND	0.0067 U	mg/Kg	0.0067						110-57-6
Analyte....	TRICHLOROETHENE		ND	0.0067 U	mg/Kg	0.0067						79-01-6
Analyte....	TRICHLOROFLUOROMETHANE		ND	0.0067 U	mg/Kg	0.0067						75-69-4
Analyte....	VINYL ACETATE		ND	0.0067 U	mg/Kg	0.0067						108-05-4
Analyte....	VINYL CHLORIDE		ND	0.0067 U	mg/Kg	0.0067						75-01-4
Analyte....	XYLENES (TOTAL)		ND	0.0067 U	mg/Kg	0.0067						1330-20-7
Surrogate..	1,2-DICHLOROETHANE-D4		qc	0.080	mg/Kg		120	0.067	70 to 121			17060-07-0
Surrogate..	4-BROMOFLUOROBENZENE		qc	0.072	mg/Kg		108	0.067	74 to 121			460-00-4
Surrogate..	TOLUENE-D8		qc	0.062	mg/Kg		93	0.067	81 to 117			2037-26-5

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 410P558 **Chain of Custody Number: 030719** **Received by SGS 09/25/04 10:25**
ATTN: Bruce Eulian BLASLAND, BOUCK & LEE, INC. PITTSFIELD MA

Reference: OP3-BORING-2 (6-8') Description: GRAB OP-3 FIRE WATER TANK EXCAVATION REMOVAL Matrix: SOIL Sampled: 09/24/04 10:00
SGS Lab Number: TA410P558005 Percent Solids: 72 Sample Type: F

Prep Code: SW50308/SW5035 Prepared: 09/27/04 13:06 Preparation Batch: 103091 Analyst: pac Report Basis: Dry
Run#: 001 Method Code: SW8260B Analyzed: 09/27/04 13:06 Analytical Batch: 103091 Dilution Factor: 1.00 Analytical Run Type: 00

Type	Parameter Name	QF	Result	RT	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte	1,1,1,2-TETRACHLOROETHANE	ND	0.0069	U	mg/Kg	0.0069						630-20-6
Analyte	1,1,1-TRICHLOROETHANE	ND	0.0069	U	mg/Kg	0.0069						71-55-6
Analyte	1,1,2,2-TETRACHLOROETHANE	ND	0.0069	U	mg/Kg	0.0069						79-34-5
Analyte	1,1,2-TRICHLOROETHANE	ND	0.0069	U	mg/Kg	0.0069						79-00-5
Analyte	1,1-DICHLOROETHANE	ND	0.0069	U	mg/Kg	0.0069						75-34-3
Analyte	1,1-DICHLOROETHENE	ND	0.0069	U	mg/Kg	0.0069						75-35-4
Analyte	1,2,3-TRICHLOROPROPANE	ND	0.0069	U	mg/Kg	0.0069						96-18-4
Analyte	1,2-DIBROMO-3-CHLOROPROPANE	ND	0.0069	U	mg/Kg	0.0069						96-12-8
Analyte	1,2-DIBROMOETHANE	ND	0.0069	U	mg/Kg	0.0069						106-93-4
Analyte	1,2-DICHLOROETHANE	ND	0.0069	U	mg/Kg	0.0069						107-06-2
Analyte	1,2-DICHLOROPROPANE	ND	0.0069	U	mg/Kg	0.0069						78-87-5
Analyte	1,4-DIOXANE	ND	0.14	U	mg/Kg	0.14						123-91-1
Analyte	2-BUTANONE	ND	0.014	U	mg/Kg	0.014						78-93-3
Analyte	2-CHLORO-1,3-BUTADIENE	ND	0.0069	U	mg/Kg	0.0069						126-99-8
Analyte	2-CHLOROETHYL VINYL ETHER	ND	0.0069	U	mg/Kg	0.0069						110-75-8
Analyte	2-HEXANONE	ND	0.014	U	mg/Kg	0.014						591-78-6
Analyte	3-CHLOROPROPENE	ND	0.0069	U	mg/Kg	0.0069						107-05-1
Analyte	4-METHYL-2-PENTANONE	ND	0.014	U	mg/Kg	0.014						108-10-1
Analyte	ACETONE	<Hit>	0.019	J	mg/Kg	0.028						67-64-1
Analyte	ACETONITRILE	ND	0.14	U	mg/Kg	0.14						75-05-8
Analyte	ACROLEIN	ND	0.14	U	mg/Kg	0.14						107-02-8
Analyte	ACRYLONITRILE	ND	0.0069	U	mg/Kg	0.0069						107-13-1
Analyte	BENZENE	ND	0.0069	U	mg/Kg	0.0069						71-43-2
Analyte	BROMODICHLOROMETHANE	ND	0.0069	U	mg/Kg	0.0069						75-27-4
Analyte	BROMOFORM	ND	0.0069	U	mg/Kg	0.0069						75-25-2
Analyte	BROMOMETHANE	ND	0.0069	U	mg/Kg	0.0069						74-83-9
Analyte	CARBON DISULFIDE	ND	0.0069	U	mg/Kg	0.0069						75-15-0
Analyte	CARBON TETRACHLORIDE	ND	0.0069	U	mg/Kg	0.0069						56-23-5
Analyte	CHLOROBENZENE	ND	0.0069	U	mg/Kg	0.0069						108-90-7
Analyte	CHLOROETHANE	ND	0.0069	U	mg/Kg	0.0069						75-00-3
Analyte	CHLOROFORM	ND	0.0069	U	mg/Kg	0.0069						67-66-3
Analyte	CHLOROMETHANE	ND	0.0069	U	mg/Kg	0.0069						74-87-3
Analyte	CIS-1,3-DICHLOROPROPENE	ND	0.0069	U	mg/Kg	0.0069						10061-01-5
Analyte	DIBROMOCHLOROMETHANE	ND	0.0069	U	mg/Kg	0.0069						124-48-1
Analyte	DIBROMOMETHANE	ND	0.0069	U	mg/Kg	0.0069						74-95-3
Analyte	DICHLORODIFLUOROMETHANE	ND	0.0069	U	mg/Kg	0.0069						75-71-8
Analyte	ETHYL METHACRYLATE	ND	0.0069	U	mg/Kg	0.0069						97-63-2
Analyte	ETHYLBENZENE	ND	0.0069	U	mg/Kg	0.0069						100-41-4
Analyte	IODOMETHANE	ND	0.0069	U	mg/Kg	0.0069						74-88-4
Analyte	ISOBUTANOL	ND	0.14	U	mg/Kg	0.14						78-83-1
Analyte	METHACRYLONITRILE	ND	0.0069	U	mg/Kg	0.0069						126-98-7

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 410P558 Chain of Custody Number: 030719 Received by SGS 09/25/04 10:25
ATTN: Bruce Eulian BLASLAND, BOUCK & LEE, INC. PITTSFIELD MA

Reference: OP3-BORING-2 (6-8') Description: GRAB OP-3 FIRE WATER TANK EXCAVATION REMOVAL Matrix: SOIL Sampled: 09/24/04 10:00
SGS Lab Number: TA410P558005 Percent Solids: 72 Sample Type: F

Prep Code: SW5030B/SW5035 Prepared: 09/27/04 13:06 Preparation Batch: 103091 Analyst: pac Report Basis: Dry
Run#: 001 Method Code: SW8260B Analyzed: 09/27/04 13:06 Analytical Batch: 103091 Dilution Factor: 1.00 Analytical Run Type: 00

Type	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	METHYL METHACRYLATE	ND	0.0069	U	mg/Kg	0.0069						80-62-6
Analyte....	METHYLENE CHLORIDE	ND	0.0069	U	mg/Kg	0.0069						75-09-2
Analyte....	PROPIONITRILE	ND	0.014	U	mg/Kg	0.014						107-12-0
Analyte....	STYRENE	ND	0.0069	U	mg/Kg	0.0069						100-42-5
Analyte....	TETRACHLOROETHENE	ND	0.0069	U	mg/Kg	0.0069						127-18-4
Analyte....	TOLUENE	ND	0.0069	U	mg/Kg	0.0069						108-88-3
Analyte....	TRANS-1,2-DICHLOROETHENE	ND	0.0069	U	mg/Kg	0.0069						156-60-5
Analyte....	TRANS-1,3-DICHLOROPROPENE	ND	0.0069	U	mg/Kg	0.0069						10061-02-6
Analyte....	TRANS-1,4-DICHLORO-2-BUTENE	ND	0.0069	U	mg/Kg	0.0069						110-57-6
Analyte....	TRICHLOROETHENE	ND	0.0069	U	mg/Kg	0.0069						79-01-6
Analyte....	TRICHLOROFLUOROMETHANE	ND	0.0069	U	mg/Kg	0.0069						75-69-4
Analyte....	VINYL ACETATE	ND	0.0069	U	mg/Kg	0.0069						108-05-4
Analyte....	VINYL CHLORIDE	ND	0.0069	U	mg/Kg	0.0069						75-01-4
Analyte....	XYLENES (TOTAL)	ND	0.0069	U	mg/Kg	0.0069						1330-20-7
Surrogate..	1,2-DICHLOROETHANE-D4	qc	0.078		mg/Kg		113	0.069	70 to 121			17060-07-0
Surrogate..	4-BROMOFLUOROBENZENE	qc	0.082		mg/Kg		119	0.069	74 to 121			460-00-4
Surrogate..	TOLUENE-D8	qc	0.066		mg/Kg		95	0.069	81 to 117			2037-26-5

Reference: OP3-BORING-3 (7-8') Description: GRAB OP-3 FIRE WATER TANK EXCAVATION REMOVAL Matrix: SOIL Sampled: 09/24/04 10:30
SGS Lab Number: TA410P558006 Percent Solids: 68 Sample Type: F

Prep Code: SW5030B/SW5035 Prepared: 09/27/04 14:24 Preparation Batch: 103091 Analyst: pac Report Basis: Dry
Run#: 001 Method Code: SW8260B Analyzed: 09/27/04 14:24 Analytical Batch: 103091 Dilution Factor: 1.00 Analytical Run Type: 00

Type	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	1,1,1,2-TETRACHLOROETHANE	ND	0.0073	U	mg/Kg	0.0073						630-20-6
Analyte....	1,1,1-TRICHLOROETHANE	ND	0.0073	U	mg/Kg	0.0073						71-55-6
Analyte....	1,1,2,2-TETRACHLOROETHANE	ND	0.0073	U	mg/Kg	0.0073						79-34-5
Analyte....	1,1,2-TRICHLOROETHANE	ND	0.0073	U	mg/Kg	0.0073						79-00-5
Analyte....	1,1-DICHLOROETHANE	ND	0.0073	U	mg/Kg	0.0073						75-34-3
Analyte....	1,1-DICHLOROETHENE	ND	0.0073	U	mg/Kg	0.0073						75-35-4
Analyte....	1,2,3-TRICHLOROPROPANE	ND	0.0073	U	mg/Kg	0.0073						96-18-4
Analyte....	1,2-DIBROMO-3-CHLOROPROPANE	ND	0.0073	U	mg/Kg	0.0073						96-12-8
Analyte....	1,2-DIBROMOETHANE	ND	0.0073	U	mg/Kg	0.0073						106-93-4
Analyte....	1,2-DICHLOROETHANE	ND	0.0073	U	mg/Kg	0.0073						107-06-2
Analyte....	1,2-DICHLOROPROPANE	ND	0.0073	U	mg/Kg	0.0073						78-87-5
Analyte....	1,4-DIOXANE	ND	0.15	U	mg/Kg	0.15						123-91-1
Analyte....	2-BUTANONE	ND	0.015	U	mg/Kg	0.015						78-93-3
Analyte....	2-CHLORO-1,3-BUTADIENE	ND	0.0073	U	mg/Kg	0.0073						126-99-8
Analyte....	2-CHLOROETHYL VINYL ETHER	ND	0.0073	U	mg/Kg	0.0073						110-75-8

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 4I0P558 Chain of Custody Number: 030719 Received by SGS 09/25/04 10:25
ATTN: Bruce Eulian BLASLAND, BOUCK & LEE, INC. PITTSFIELD MA

Reference: OP3-BORING-3 (7-8') Description: GRAB OP-3 FIRE WATER TANK EXCAVATION REMOVAL Matrix: SOIL Sampled: 09/24/04 10:30
SGS Lab Number: TA4I0P558006 Percent Solids: 68 Sample Type: F

Prep Code: SW5030B/SW5035 Prepared: 09/27/04 14:24 Preparation Batch: 103091 Analyst: pac Report Basis: Dry
Run#: 001 Method Code: SW8260B Analyzed: 09/27/04 14:24 Analytical Batch: 103091 Dilution Factor: 1.00 Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	2-HEXANONE	ND	0.015	U	mg/Kg	0.015						591-78-6
Analyte....	3-CHLOROPROPENE	ND	0.0073	U	mg/Kg	0.0073						107-05-1
Analyte....	4-METHYL-2-PENTANONE	ND	0.015	U	mg/Kg	0.015						108-10-1
Analyte....	ACETONE	ND	0.029	U	mg/Kg	0.029						67-64-1
Analyte....	ACETONITRILE	ND	0.15	U	mg/Kg	0.15						75-05-8
Analyte....	ACROLEIN	ND	0.15	U	mg/Kg	0.15						107-02-8
Analyte....	ACRYLONITRILE	ND	0.0073	U	mg/Kg	0.0073						107-13-1
Analyte....	BENZENE	ND	0.0073	U	mg/Kg	0.0073						71-43-2
Analyte....	BROMODICHLOROMETHANE	ND	0.0073	U	mg/Kg	0.0073						75-27-4
Analyte....	BROMOFORM	ND	0.0073	U	mg/Kg	0.0073						75-25-2
Analyte....	BROMOMETHANE	ND	0.0073	U	mg/Kg	0.0073						74-83-9
Analyte....	CARBON DISULFIDE	ND	0.0073	U	mg/Kg	0.0073						75-15-0
Analyte....	CARBON TETRACHLORIDE	ND	0.0073	U	mg/Kg	0.0073						56-23-5
Analyte....	CHLOROBENZENE	ND	0.0073	U	mg/Kg	0.0073						108-90-7
Analyte....	CHLOROETHANE	ND	0.0073	U	mg/Kg	0.0073						75-00-3
Analyte....	CHLOROFORM	ND	0.0073	U	mg/Kg	0.0073						67-66-3
Analyte....	CHLOROMETHANE	ND	0.0073	U	mg/Kg	0.0073						74-87-3
Analyte....	CIS-1,3-DICHLOROPROPENE	ND	0.0073	U	mg/Kg	0.0073						10061-01-5
Analyte....	DIBROMOCHLOROMETHANE	ND	0.0073	U	mg/Kg	0.0073						124-48-1
Analyte....	DIBROMOMETHANE	ND	0.0073	U	mg/Kg	0.0073						74-95-3
Analyte....	DICHLORODIFLUOROMETHANE	ND	0.0073	U	mg/Kg	0.0073						75-71-8
Analyte....	ETHYL METHACRYLATE	ND	0.0073	U	mg/Kg	0.0073						97-63-2
Analyte....	ETHYLBENZENE	ND	0.0073	U	mg/Kg	0.0073						100-41-4
Analyte....	IODOMETHANE	ND	0.0073	U	mg/Kg	0.0073						74-88-4
Analyte....	ISOBUTANOL	ND	0.15	U	mg/Kg	0.15						78-83-1
Analyte....	METHACRYLONITRILE	ND	0.0073	U	mg/Kg	0.0073						126-98-7
Analyte....	METHYL METHACRYLATE	ND	0.0073	U	mg/Kg	0.0073						80-62-6
Analyte....	METHYLENE CHLORIDE	ND	0.0073	U	mg/Kg	0.0073						75-09-2
Analyte....	PROPIONITRILE	ND	0.015	U	mg/Kg	0.015						107-12-0
Analyte....	STYRENE	ND	0.0073	U	mg/Kg	0.0073						100-42-5
Analyte....	TETRACHLOROETHENE	ND	0.0073	U	mg/Kg	0.0073						127-18-4
Analyte....	TOLUENE	ND	0.0073	U	mg/Kg	0.0073						108-88-3
Analyte....	TRANS-1,2-DICHLOROETHENE	ND	0.0073	U	mg/Kg	0.0073						156-60-5
Analyte....	TRANS-1,3-DICHLOROPROPENE	ND	0.0073	U	mg/Kg	0.0073						10061-02-6
Analyte....	TRANS-1,4-DICHLORO-2-BUTENE	ND	0.0073	U	mg/Kg	0.0073						110-57-6
Analyte....	TRICHLOROETHENE	ND	0.0073	U	mg/Kg	0.0073						79-01-6
Analyte....	TRICHLOROFLUOROMETHANE	ND	0.0073	U	mg/Kg	0.0073						75-69-4
Analyte....	VINYL ACETATE	ND	0.0073	U	mg/Kg	0.0073						108-05-4
Analyte....	VINYL CHLORIDE	ND	0.0073	U	mg/Kg	0.0073						75-01-4
Analyte....	XYLENES (TOTAL)	ND	0.0073	U	mg/Kg	0.0073						1330-20-7
Surrogate..	1,2-DICHLOROETHANE-D4	qc	0.069		mg/Kg		94	0.073	70 to 121			17060-07-0

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Reference: OP3-BORING-3 (7-8') Description: GRAB OP-3 FIRE WATER TANK EXCAVATION REMOVAL Matrix: SOIL Sampled: 09/24/04 10:30
SGS Lab Number: TA4I0P558006 Percent Solids: 68 Sample Type: F

Prep Code: SW5030B/SW5035 Prepared: 09/27/04 14:24 Preparation Batch: 103091 Analyst: pac Report Basis: Dry
Run#: 001 Method Code: SW8260B Analyzed: 09/27/04 14:24 Analytical Batch: 103091 Dilution Factor: 1.00 Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RT	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	RPDi	CAS Number
Surrogate..	4-BROMOFLUOROBENZENE	qc	0.088		mg/Kg		120	0.073	74 to 121			460-00-4
Surrogate..	TOLUENE-D8	qc	0.073		mg/Kg		99	0.073	81 to 117			2037-26-5