



GE  
159 Plastics Avenue  
Pittsfield, MA 01201  
USA

*Transmitted via Overnight Courier*

September 7, 2007

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

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

**Re: GE-Pittsfield/Housatonic River Site  
Monthly Status Report Pursuant to Consent Decree for August 2007 (GECD900)**

Dear Mr. Tagliaferro and Ms. Steenstrup:

Enclosed are copies of General Electric's (GE's) monthly progress report for August 2007 activities conducted by GE at the GE-Pittsfield/Housatonic River Site. This monthly report is submitted pursuant to Paragraph 67 of the Consent Decree (CD) for this Site, which was entered by the U.S. District Court on October 27, 2000.

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

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

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

Sincerely,

Richard W. Gates  
Remediation Project Manager

Enclosure

G:\GE\GE\_Pittsfield\_General\Reports and Presentations\Monthly Reports\2007\08-07 CD Monthly\Letter.doc

cc: Richard W. Hull, EPA  
Richard Fisher, EPA  
Robert Cianciarulo, EPA (cover letter only)  
Tim Conway, EPA (cover letter only)  
Rose Howell, EPA (cover letter and CD-ROM of report)  
Holly Inglis, EPA (hard copy and CD-ROM of report)  
Susan Svirsky, EPA (Items 7, 15, and 20 only)  
K.C. Mitkevicius, USACE (CD-ROM of report)  
Thomas Angus, MDEP (cover letter only)  
Jane Rothchild, MDEP (cover letter only)  
Anna Symington, MDEP (cover letter only)  
Nancy E. Harper, MA AG  
Susan Peterson, CT DEP  
Field Supervisor, US FWS, DOI  
Kenneth Finkelstein, Ph.D., NOAA (Items 13, 14, and 15 only)  
Dale Young, MA EOE  
Mayor James Ruberto, City of Pittsfield  
Thomas Hickey, Director, Pittsfield Economic Development Authority  
Linda Palmieri, Weston  
Richard Nasman, P.E., Berkshire Gas (CD-ROM of report)  
Michael Carroll GE (CD-ROM of report)  
Andrew Silfer, GE (cover letter only)  
Rod McLaren, GE (CD-ROM of report)  
James Nuss, BBL  
James Bieke, Goodwin Procter  
Jim Rhea, QEA (narrative only)  
Teresa Bowers, Gradient  
Public Information Repositories (1 hard copy, 5 copies of CD-ROM)  
GE Internal Repository (1 hard copy)

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

***August 2007***

**MONTHLY STATUS REPORT  
PURSUANT TO CONSENT DECREE  
FOR  
GE-PITTSFIELD/HOUSATONIC RIVER  
SITE**

**GENERAL ELECTRIC COMPANY**



**PITTSFIELD, MASSACHUSETTS**

## **Background**

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

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

### **General Activities (GECD900)**

#### **GE Plant Area (non-groundwater)**

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

#### **Former Oxbow Areas (non-groundwater)**

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

#### **Housatonic River**

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

#### **Housatonic River Floodplain**

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

#### **Other Areas**

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

**Groundwater Management Areas (GMAs)**

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

**GENERAL ACTIVITIES  
GE-PITTSFIELD/HOUSATONIC RIVER SITE  
(GECD900)  
AUGUST 2007**

**a. Activities Undertaken/Completed**

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

**b. Sampling/Test Results Received**

- Sample results were received for routine sampling conducted pursuant to GE's NPDES Permit for the GE facility. Sampling records and results are provided in Attachment A to this report.
- NPDES Discharge Monitoring Reports (DMRs) for the period of July 1 through July 31, 2007, are provided in Attachment B to this report.
- GE received a report from Columbia Analytical Services, Inc. (CAS) titled *NPDES Biomonitoring Report for August 2007*, which included analytical results for samples collected for NPDES-related whole effluent toxicity testing, as well as an attached report from Aquatec Biological Sciences providing the results of the whole effluent toxicity testing performed in August 2007. A copy of this document is provided in Attachment C.
- GE received a report from CAS titled *NPDES Chronic Biomonitoring Report for August 2007*, which included analytical results for samples collected for NPDES-related chronic whole effluent testing, as well as an attached report from Aquatec Biological Sciences providing the results of the chronic whole effluent toxicity testing performed in August 2007. A copy of that report is provided in Attachment D.

**c. Work Plans/Reports/Documents Submitted**

None

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

- Continue NPDES sampling and monitoring activities.
- Attend public and Citizens Coordinating Council (CCC) meetings, as appropriate.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

**f. Proposed/Approved Work Plan Modifications**

None

**ITEM 1  
PLANT AREA  
20s, 30s, 40s COMPLEXES  
(GECD120)  
AUGUST 2007**

**a. Activities Undertaken/Completed**

- Continued data review for results of soil sampling conducted on behalf of the Pittsfield Economic Development Authority (PEDA) in the vicinity of planned utility lines to be installed by PEDA at the former 20s and 30s Complexes and the adjacent portion of Woodlawn Avenue.
- Conducted sampling of debris from Building 31W barrel screen during routine separator maintenance, as identified in Table 1-1.
- Conducted drum sampling at Building 78 of PEDA decontamination water, as identified in Table 1-1.

**b. Sampling/Test Results Received**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

None

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

- Submit report on soil sampling conducted on behalf of PEDA in the vicinity of planned utility lines to be installed by PEDA at the former 20s and 30s Complexes and the adjacent portion of Woodlawn Avenue.
- Following receipt of EPA comments on draft plan for additional soil sampling at the 40s Complex, submit final sampling plan (see Item 1.e below).\*
- Continue work on development of Final Completion Report for the 40s Complex (following resolution of issues relating to additional sampling).\*

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

- Awaiting EPA's comments on GE's December 21, 2006 proposal for the remaining at-grade concrete slabs of former Buildings 42, 43/43A, and 44, which also addressed certain issues relative to the final restoration of previously placed crushed demolition debris.\*

**ITEM 1  
(cont'd)  
PLANT AREA  
20s, 30s, 40s COMPLEXES  
(GEC120)  
AUGUST 2007**

**e. General Progress/Unresolved Issues/Potential Schedule Impacts (cont'd)**

- Awaiting EPA's comments on GE's January 25, 2007 draft letter which proposed, at PEDA's request, additional soil sampling within the 40s Complex.\*
- Awaiting comments from EPA and MDEP on draft Grant of Environmental Restriction and Easement (ERE) and Plan of Restricted Area for the 40s Complex.\*

**f. Proposed/Approved Work Plan Modifications**

None



**TABLE 1-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

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

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Building 31W Separator	A3385-1	8/14/07	Soil	SGS	PCB	8/22/07
Building 31W Separator	A3389-1	8/14/07	Soil	SGS	PCB	8/22/07
Building 31W Separator	A3524-1	8/14/07	Soil	SGS	PCB	8/22/07
Building 31W Separator	A3592-1	8/14/07	Soil	SGS	PCB	8/22/07
Building 31W Separator	A3701-1	8/14/07	Soil	SGS	PCB	8/22/07
Building 31W Separator	A3736-1	8/14/07	Soil	SGS	PCB	8/22/07
Building 31W Separator	A3741-1	8/14/07	Soil	SGS	PCB	8/22/07
PEDA Decon Water Sampling	B0480-1	8/14/07	Water	SGS	PCB	8/29/07

**TABLE 1-2  
PCB DATA RECEIVED DURING AUGUST 2007**

**BUILDING 31W SEPARATOR  
20s, 30s, 40s COMPLEX  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

<b>Sample ID</b>	<b>Date Collected</b>	<b>Aroclor-1016, -1221, -1232, -1242, -1248</b>	<b>Aroclor-1254</b>	<b>Aroclor-1260</b>	<b>Total PCBs</b>
A3385-1	8/14/2007	ND(0.11)	0.45	0.43	0.88
A3389-1	8/14/2007	ND(0.094)	0.51	0.35	0.86
A3524-1	8/14/2007	ND(0.12)	0.37	0.79	1.16
A3592-1	8/14/2007	ND(0.094)	0.35	0.89	1.24
A3701-1	8/14/2007	ND(0.081)	0.36	0.67	1.03
A3736-1	8/14/2007	ND(0.10)	0.28	0.39	0.67
A3741-1	8/14/2007	ND(0.079)	0.32	0.33	0.65

Notes:

1. Samples were collected by Veolia ES Technical Solutions, L.L.C. and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

**TABLE 1-3  
PCB DATA RECEIVED DURING AUGUST 2007**

**PEDA DECON WATER SAMPLING  
20s, 30s, 40s COMPLEX  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Sample ID</b>	<b>Date Collected</b>	<b>Aroclor-1016, -1221, -1232, -1242, -1248</b>	<b>Aroclor-1254</b>	<b>Aroclor-1260</b>	<b>Total PCBs</b>
B0480-1	8/14/2007	ND(0.0010)	ND(0.0010)	0.0020	0.0020

Notes:

1. Sample was collected by Veolia ES Technical Solutions, L.L.C. and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

**ITEM 2  
PLANT AREA  
EAST STREET AREA 2-SOUTH  
(GECD150)  
AUGUST 2007**

**a. Activities Undertaken/Completed**

- Conducted sampling of oil from routine forklift oil change at Building 64, as identified in Table 2-1.
- Conducted drum sampling of dense non-aqueous-phase liquid (DNAPL) from Building 64V, as identified in Table 2-1.
- Conducted drum sampling at Building 78 of tool decontamination water from drilling activities at this area, as identified in Table 2-1.
- Received copy of EPA letter to MDEP, dated August 1, 2007, stating that the ERE for the City Recreational Area is acceptable.\*

**b. Sampling/Test Results Received**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

Submitted final ERE for City Recreational Area to MDEP for acceptance and signature (August 16, 2007).\*

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

None

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

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

**f. Proposed/Approved Work Plan Modifications**

None

**TABLE 2-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

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

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Building 64 Forklift Oil Sampling	C2248-1	8/14/07	Oil	SGS	PCB	8/29/07
Building 64G LPCA Monitoring	G7-64G-03	7/17/07	Water	Accutest	PCB	8/2/07
Building 64G LPCA Monitoring	G7-64G-07	7/17/07	Water	Accutest	PCB	8/2/07
Building 64G LPCA Monitoring	G7-64G-11	7/17/07	Water	Accutest	PCB	8/2/07
Building 64G LPCA Monitoring	G7-64G-15	7/17/07	Water	Accutest	PCB	8/2/07
Building 64V DNAPL Sampling	F3398/F3399-1	8/14/07	Oil	SGS	PCB, VOC, SVOC, Total Metals (RCRA 8)	
Decon Water from Drilling Activities On/Off Site	B0594-1	8/14/07	Water	SGS	PCB	8/29/07
Decon Water from Drilling Activities On/Off Site	B1947-1	8/14/07	Water	SGS	PCB	8/29/07

**TABLE 2-2  
PCB DATA RECEIVED DURING AUGUST 2007**

**BUILDING 64G LPCA MONITORING  
EAST STREET AREA 2 - SOUTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Sample ID</b>	<b>Date Collected</b>	<b>Aroclor-1016</b>	<b>Aroclor-1221</b>	<b>Aroclor-1232</b>	<b>Aroclor-1242</b>	<b>Aroclor-1248</b>	<b>Aroclor-1254</b>	<b>Aroclor-1260</b>	<b>Total PCBs</b>
G7-64G-03	7/17/2007	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)
G7-64G-07	7/17/2007	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)
G7-64G-11	7/17/2007	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)
G7-64G-15	7/17/2007	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)

Notes:

1. Samples were collected by General Electric Company and submitted to Accutest Laboratories for analysis of PCBs.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

**TABLE 2-3  
PCB DATA RECEIVED DURING AUGUST 2007**

**BUILDING 64 FORKLIFT OIL SAMPLING  
EAST STREET AREA 2 - SOUTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Sample ID</b>	<b>Date Collected</b>	<b>Aroclor-1016</b>	<b>Aroclor-1221</b>	<b>Aroclor-1232</b>	<b>Aroclor-1242</b>	<b>Aroclor-1248</b>	<b>Aroclor-1254</b>	<b>Aroclor-1260</b>	<b>Total PCBs</b>
C2248-1	8/14/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

Notes:

1. Sample was collected by Veolia ES Technical Solutions, L.L.C. and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

**TABLE 2-4  
PCB DATA RECEIVED DURING AUGUST 2007**

**DECON WATER SAMPLING FROM DRILLING ACTIVITIES  
EAST STREET AREA 2 - SOUTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Sample ID</b>	<b>Date Collected</b>	<b>Aroclor-1016, -1221, -1232, -1242, -1248</b>	<b>Aroclor-1254</b>	<b>Aroclor-1260</b>	<b>Total PCBs</b>
B0594-1	8/14/2007	ND(1.0)	1.4	1.9	3.3
B1947-1	8/14/2007	ND(0.00010)	0.00044	0.00046	0.00090

Notes:

1. Samples were collected by Veolia ES Technical Solutions, L.L.C. and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.



**ITEM 3  
PLANT AREA  
EAST STREET AREA 2-NORTH  
(GEC140)  
AUGUST 2007**

**a. Activities Undertaken/Completed**

- Collected and transferred approximately 37,000 gallons of water from Building 9 to Building 64G for treatment.
- Initiated repair and replacement of areas of degraded pavement identified by GE and EPA.
- Completed the asbestos removal program at Buildings 11 and 16.
- Conducted sampling of soils within proposed removal area using Toxicity Characteristic Leaching Procedure (TCLP), as identified in Table 3-1.

**b. Sampling/Test Results Received**

See attached table.

**c. Work Plans/Reports/Documents Submitted**

- GE submitted (via e-mail) text, data tables, and sampling location figures related to an emergency excavation to be conducted near Building 9B, which was deemed necessary to repair an existing water valve (August 3, 2007). GE noted in the e-mail its intent to re-use the excavated soils as backfill, and EPA concurred with that approach via an August 14, 2007 e-mail from EPA to ARCADIS BBL.
- GE submitted (via e-mail) text, data tables, and sampling location figures related to two planned minor excavations necessary to repair existing storm drains near Buildings 9B and 17C (August 29, 2007). GE noted in the e-mail its intent to consolidate excavated soils from near Building 9B at the Hill 78 On-Plant Consolidation Area (OPCA) and to dispose of excavated soils from near Building 17C at an appropriate off-site facility. EPA acknowledged receipt of this e-mail and indicated no objections via an August 31, 2007 e-mail from EPA to ARCADIS BBL.
- Per EPA's August 20, 2007 conditional approval letter for the Final RD/RA Work Plan Addendum, GE submitted a revised Attachment E (Post-Removal Site Control Plan) to that Addendum (August 31, 2007).

**ITEM 3  
(cont'd)  
PLANT AREA  
EAST STREET AREA 2-NORTH  
(GEC140)  
AUGUST 2007**

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

- Continue repair and replacement of areas of degraded pavement identified by GE and EPA.
- Submit proposal for modification of the spatial averaging areas at East Street Area 2-North to include a new averaging area to represent the exposure area represented by the lease of property to Sabic Innovative Plastics (due to EPA by October 1, 2007 – 30 days from effective date of lease on August 31, 2007).\*
- Initiate process for selection of Remediation Contractor for remediation work at East Street Area 2-North.\*
- Continue discussions with EPA regarding GE's May 30, 2007 revised proposal for disposition of demolition debris from Buildings 7, 17, 17C, and 19.\*
- Schedule initiation of demolition activities for Buildings 7, 17, 17C, and 19 following receipt of approvals for GE's May 30, 2007 revised proposal for disposition of demolition debris.
- Submit proposal to EPA regarding demolition of, and disposition of demolition debris from, Buildings 11 and 16, following EPA's response to GE's May 30, 2007 revised proposal for disposition of demolition debris from Buildings 7, 17, 17C, and 19.\*

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

- Awaiting EPA's comments on GE's December 21, 2006 proposal for the remaining at-grade concrete slabs of certain buildings in the portion of East Street Area 2-North that is intended to be transferred to PEDDA (i.e., the 19s Complex).\*
- GE has proposed that, following EPA's approval of GE's revised proposal for disposition of demolition debris from Buildings 7, 17, 17C, and 19, a CD modification be prepared to allow the proposed disposition. GE has advised EPA that it would propose that the same CD modification also cover disposition of demolition debris from Buildings 11 and 16.\*
- GE has proposed to initiate demolition activities for Buildings 7, 17, 17C, and 19 following receipt of all necessary regulatory approvals for GE's proposed plan for disposition of demolition debris from those buildings.

**ITEM 3  
(cont'd)  
PLANT AREA  
EAST STREET AREA 2-NORTH  
(GEC140)  
AUGUST 2007**

**e. General Progress/Unresolved Issues/Potential Schedule Impacts (cont'd)**

- The formal follow-notification letter associated with the May 10, 2007 verbal notification to EPA and MDEP regarding the result of a liquid sample collected from a drainage piping system in the Building 11 laboratory will be submitted after GE has completed removal of any additional liquids collected from the piping system (as discussed with M. Milette [EPA] during the May 10, 2007 verbal notification, and documented in a May 17, 2007 letter to EPA regarding the results of certain oil samples from Buildings 11 and 16). However, given site-specific conditions, such additional removal activities can only be completed as part of the demolition of Buildings 11 and 16. Therefore, submittal of the follow-up notification letter is dependent upon initiation of demolition activities for those buildings.

**f. Proposed/Approved Work Plan Modifications**

Received EPA conditional approval of GE's May 25, 2007 Final RD/RA Work Plan Addendum (August 20, 2007)

**TABLE 3-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

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

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Soil Sampling	WC-1	8/23/07	Soil	SGS	TCLP - VOC, SVOC, Pest, Herb, Metals	
Soil Sampling	WC-2	8/23/07	Soil	SGS	TCLP - VOC, SVOC, Pest, Herb, Metals	
Soil Sampling	WC-3	8/23/07	Soil	SGS	TCLP - VOC, SVOC, Pest, Herb, Metals	
Soil Sampling	WC-4	8/23/07	Soil	SGS	TCLP - SVOC, Pest, Herb, Metals	
Soil Sampling	WC-4	8/23/07	Soil	SGS	TCLP - VOC	

**ITEM 5  
PLANT AREA  
HILL 78 & BUILDING 71 CONSOLIDATION AREAS  
(GECD210/220)  
AUGUST 2007**

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

**a. Activities Undertaken/Completed**

- Conducted air monitoring for particulates and PCBs, as identified in Table 5-1.
- Completed majority of recommendations identified in June 2007 Post-Closure Inspection Report.
- Completed construction of mid-slope drainage swales and drainage down chute at Building 71 OPCA.
- Continued construction of final cover at portion of Hill 78 OPCA.
- Continued transfer of leachate from Building 71 OPCA to Building 64G for treatment. The total amount transferred in August 2007 was 18,000 gallons (see Table 5-2).
- Conducted preliminary data review (PDR) of PCB analytical data for ambient air samples collected from the OPCA air monitors on July 24-25, August 1-2, August 7-8, August 14-15, and August 22-23, 2007 (see Table 5-3). The PDR was conducted based on the following data quality indicators associated with the tabulated data set – sampling collection time, sampling calibration check, temperature receipt, associated blanks, laboratory control samples, recoveries and surrogate recoveries – in accordance with Validation Annex F in GE’s revised FSP/QAPP and the Region I Data Validation Functional Guidelines referenced therein. This PDR review resulted in no qualifications of the data. Tier I and Tier II data validation of all PCB analytical data for ambient air samples collected from the OPCA air monitors during these events will be conducted after receiving the full data package(s) from the laboratory.
- Conducted Tier I and Tier II data validation of all PCB analytical data for ambient air samples collected from the OPCA air monitors on June 26-27, July 2-3, July 10-11 July 17-18, 2007. The Tier I and Tier II data validation consisted of a review of all data package summary forms for identification of quality assurance/quality control (QA/QC) deviations, as well as qualification of the data, in accordance with Validation Annex F in GE’s revised FSP/QAPP and the Region I Data Validation Functional Guidelines referenced therein. The Tier I/II review resulted in minor qualifications of these data, as shown in Table 5-5. However, the PCB analytical data from these samples have an overall usability of 100%. The validated data from these events are included in Table 5-6 (the year-to-date summary PCB table).

**ITEM 5  
(cont'd)  
PLANT AREA  
HILL 78 & BUILDING 71 CONSOLIDATION AREAS  
(GECD210/220)  
AUGUST 2007**

**b. Sampling/Test Results Received**

See attached tables.

(Note that GE has made changes to the format of the PCB data tables for the OPCA air monitoring events in accordance with EPA's comments in its August 16, 2007 conditional approval letter referenced in Item 5.f below.)

**c. Work Plans/Reports/Documents Submitted**

Submitted to EPA, via electronic mail, the PCB analytical data for ambient air samples collected from the OPCA monitors on July 24-25, August 1-2, August 7-8, and August 14-15, 2007, along with Tier II validated results for the data for the June 26-27, July 2-3, July 10-11, and July 17-18, 2007 OPCA air monitoring events (August 28, 2007).

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

- Continue monthly submittals of PCB analytical data and Tier II data validation for ambient air samples collected from the OPCA air monitors.
- Continue construction of final cover at portion of Hill 78 OPCA.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

Timing of completion of closure of Hill 78 OPCA is dependent on timing of building demolition activities at East Street Area 2-North.

**f. Proposed/Approved Work Plan Modifications**

Received EPA conditional approval of GE's December 7, 2006 *Hill 78 & Building 71 On-Plant Consolidation Areas Ambient Air Monitoring Data Validation Report* and January 30, 2007 *Hill 78 & Building 71 On-Plant Consolidation Areas Tier III Ambient Air Monitoring Data Validation Report* (August 16, 2007).

**TABLE 5-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

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

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	North of OPCAs	8/1/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/1/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/1/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/1/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/1/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	Background Location	8/1/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/2/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/2/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/2/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/2/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/2/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	Background Location	8/2/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/3/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/3/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/3/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/3/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/3/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	Background Location	8/3/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/6/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/6/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/6/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/6/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/6/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Background Location	8/6/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/7/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/7/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/7/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/7/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/7/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Background Location	8/7/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/8/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/8/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/8/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/8/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/8/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Background Location	8/8/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/9/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007

**TABLE 5-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

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

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/9/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/9/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/9/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/9/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Background Location	8/9/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/10/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/10/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/10/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/10/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/10/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Background Location	8/10/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/13/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/13/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/13/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/13/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/13/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Background Location	8/13/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/14/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/14/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/14/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/14/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/14/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Background Location	8/14/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/15/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/15/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/15/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/15/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/15/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Background Location	8/15/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/16/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/16/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/16/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/16/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/16/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Background Location	8/16/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/17/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007



**TABLE 5-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

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

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/17/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/17/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/17/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/17/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Background Location	8/17/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/20/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/20/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/20/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/20/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/20/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Background Location	8/20/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/21/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/21/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/21/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/21/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/21/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Background Location	8/21/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/22/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/22/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/22/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/22/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/22/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Background Location	8/22/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/23/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/23/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/23/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/23/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/23/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Background Location	8/23/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/24/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/24/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/24/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/24/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/24/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	Background Location	8/24/2007	Air	Berkshire Environmental	Particulate Matter	8/27/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/27/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/27/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/27/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007

**TABLE 5-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

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

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/27/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/27/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Background Location	8/27/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/28/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/28/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/28/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/28/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/28/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Background Location	8/28/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/29/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/29/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/29/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/29/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/29/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Background Location	8/29/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/30/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/30/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/30/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/30/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/30/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Background Location	8/30/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	North of OPCAs	8/31/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	8/31/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	8/31/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Northwest of OPCAs	8/31/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	West of OPCAs	8/31/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Background Location	8/31/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
PCB Ambient Air Sampling	Field Blank	07/24- 07/25/07	Air	NEA	PCB	8/2/2007
PCB Ambient Air Sampling	Northwest of OPCAs	07/24- 07/25/07	Air	NEA	PCB	8/2/2007
PCB Ambient Air Sampling	West of OPCAs	07/24- 07/25/07	Air	NEA	PCB	8/2/2007
PCB Ambient Air Sampling	West of OPCAs collocated	07/24- 07/25/07	Air	NEA	PCB	8/2/2007
PCB Ambient Air Sampling	North of OPCAs	07/24- 07/25/07	Air	NEA	PCB	8/2/2007
PCB Ambient Air Sampling	Southeast of OPCAs	07/24- 07/25/07	Air	NEA	PCB	8/2/2007
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	07/24- 07/25/07	Air	NEA	PCB	8/2/2007
PCB Ambient Air Sampling	Background East of Building 9B	07/24- 07/25/07	Air	NEA	PCB	8/2/2007
PCB Ambient Air Sampling	Field Blank	08/01- 08/02/07	Air	NEA	PCB	8/10/2007
PCB Ambient Air Sampling	Northwest of OPCAs	08/01- 08/02/07	Air	NEA	PCB	8/10/2007
PCB Ambient Air Sampling	West of OPCAs	08/01- 08/02/07	Air	NEA	PCB	8/10/2007

**TABLE 5-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

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

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
PCB Ambient Air Sampling	West of OPCAs colocated	08/01- 08/02/07	Air	NEA	PCB	8/10/2007
PCB Ambient Air Sampling	North of OPCAs	08/01- 08/02/07	Air	NEA	PCB	8/10/2007
PCB Ambient Air Sampling	Southeast of OPCAs	08/01- 08/02/07	Air	NEA	PCB	8/10/2007
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	08/01- 08/02/07	Air	NEA	PCB	8/10/2007
PCB Ambient Air Sampling	Background East of Building 9B	08/01- 08/02/07	Air	NEA	PCB	8/10/2007
PCB Ambient Air Sampling	Field Blank	08/07 - 08/08/07	Air	NEA	PCB	8/17/2007
PCB Ambient Air Sampling	Northwest of OPCAs	08/07 - 08/08/07	Air	NEA	PCB	8/17/2007
PCB Ambient Air Sampling	West of OPCAs	08/07 - 08/08/07	Air	NEA	PCB	8/17/2007
PCB Ambient Air Sampling	West of OPCAs colocated	08/07 - 08/08/07	Air	NEA	PCB	8/17/2007
PCB Ambient Air Sampling	North of OPCAs	08/07 - 08/08/07	Air	NEA	PCB	8/17/2007
PCB Ambient Air Sampling	Southeast of OPCAs	08/07 - 08/08/07	Air	NEA	PCB	8/17/2007
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	08/07 - 08/08/07	Air	NEA	PCB	8/17/2007
PCB Ambient Air Sampling	Background East of Building 9B	08/07 - 08/08/07	Air	NEA	PCB	8/17/2007
PCB Ambient Air Sampling	Field Blank	08/14 - 08/15/07	Air	NEA	PCB	8/22/2007
PCB Ambient Air Sampling	Northwest of OPCAs	08/14 - 08/15/07	Air	NEA	PCB	8/22/2007
PCB Ambient Air Sampling	West of OPCAs	08/14 - 08/15/07	Air	NEA	PCB	8/22/2007
PCB Ambient Air Sampling	West of OPCAs colocated	08/14 - 08/15/07	Air	NEA	PCB	8/22/2007
PCB Ambient Air Sampling	North of OPCAs	08/14 - 08/15/07	Air	NEA	PCB	8/22/2007
PCB Ambient Air Sampling	Southeast of OPCAs	08/14 - 08/15/07	Air	NEA	PCB	8/22/2007
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	08/14 - 08/15/07	Air	NEA	PCB	8/22/2007
PCB Ambient Air Sampling	Background East of Building 9B	08/14 - 08/15/07	Air	NEA	PCB	8/22/2007
PCB Ambient Air Sampling	Field Blank	08/22 - 08/23/07	Air	NEA	PCB	8/28/2007
PCB Ambient Air Sampling	Northwest of OPCAs	08/22 - 08/23/07	Air	NEA	PCB	8/28/2007
PCB Ambient Air Sampling	West of OPCAs	08/22 - 08/23/07	Air	NEA	PCB	8/28/2007
PCB Ambient Air Sampling	West of OPCAs colocated	08/22 - 08/23/07	Air	NEA	PCB	8/28/2007
PCB Ambient Air Sampling	North of OPCAs	08/22 - 08/23/07	Air	NEA	PCB	8/28/2007
PCB Ambient Air Sampling	Southeast of OPCAs	08/22 - 08/23/07	Air	NEA	PCB	8/28/2007
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	08/22 - 08/23/07	Air	NEA	PCB	8/28/2007
PCB Ambient Air Sampling	Background East of Building 9B	08/22 - 08/23/07	Air	NEA	PCB	8/28/2007

**TABLE 5-2**  
**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**  
**August 2007**

Month / Year	Total Volume of Leachate Transferred (Gallons)
August 2006	121,000
September 2006	110,000
October 2006	78,000
November 2006	47,000
December 2006	42,000
January 2007	36,000
February 2007	18,000
March 2007	29,000
April 2007	26,000
May 2007	17,000
June 2007	18,000
July 2007	9,000
August 2007	18,000

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

**TABLE 5-3  
SUMMARY OF 2007 PCB AMBIENT AIR SAMPLING RESULTS RECEIVED DURING AUGUST 2007**

**HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS  
(all results are ug/m<sup>3</sup>)**

Sample Location	Sample ID	Sample Date(s)	Aroclor ID	Result (ug/m <sup>3</sup> )	Exceedances of Notification Level (0.05 ug/m <sup>3</sup> )	Data Validated?
Northwest of OPCAs	NW-072507-012	07/24/07 - 07/25/07	Aroclor 1248	0.0004 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.0004 AF		
			Total PCB	0.0008		
West of OPCAs	W-072507-301	07/24/07 - 07/25/07	Aroclor 1248	0.0004 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.0009 AF		
			Total PCB	0.0013		
West of OPCAs colocated	WCo-072507-006	07/24/07 - 07/25/07	Aroclor 1248	0.0004 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.0006 AF		
			Total PCB	0.0010		
North of OPCAs	N-072507-002	07/24/07 - 07/25/07	Aroclor 1248	0.0004 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.0005 AF		
			Total PCB	0.0009		
Southeast of OPCAs	SE-072507-202	07/24/07 - 07/25/07	Aroclor 1248	0.0004 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.0004 AF		
			Total PCB	0.0008		
Pittsfield Generating (PGE)	PGE-072507-303	07/24/07 - 07/25/07	Aroclor 1248	0.0004 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.0008 AF		
			Total PCB	0.0012		
Background Sample Location - East of Building 9B	BK3-072507-001	07/24/07 - 07/25/07	Aroclor 1248	0.0004 PE, P	--	PDR <sup>1</sup>
			Aroclor 1254	0.0015 AF		
			Total PCB	0.0019		
Northwest of OPCAs	NW-080207-012	08/01/07 - 08/02/07	Aroclor 1248	0.0004 PE, P	--	PDR <sup>1</sup>
			Aroclor 1254	0.0007 AF		
			Total PCB	0.0011		
West of OPCAs	W-080207-301	08/01/07 - 08/02/07	Aroclor 1248	0.0004 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.0009 AF		
			Total PCB	0.0013		
West of OPCAs colocated	WCo-080207-006	08/01/07 - 08/02/07	Aroclor 1248	0.0008 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.001 AF		
			Total PCB	0.0018		
North of OPCAs	N-080207-002	08/01/07 - 08/02/07	Aroclor 1248	0.0004 PE, P	--	PDR <sup>1</sup>
			Aroclor 1254	0.0005 AF		
			Total PCB	0.0009		
Southeast of OPCAs	SE-080207-202	08/01/07 - 08/02/07	Aroclor 1248	0.0005 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.0007 AF		
			Total PCB	0.0012		
Pittsfield Generating (PGE)	PGE-080207-303	08/01/07 - 08/02/07	Aroclor 1248	0.0005 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.0005 AF		
			Total PCB	0.001		
Background Sample Location - East of Building 9B	BK3-080207-001	08/01/07 - 08/02/07	Aroclor 1248	0.0006 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.0016 AF		
			Total PCB	0.0022		
Northwest of OPCAs	NW-080807-012	08/07/07 - 08/08/07	Aroclor 1248	0.0006 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.0009 AF		
			Total PCB	0.0015		
West of OPCAs	W-080807-301	08/07/07 - 08/08/07	Aroclor 1248	0.0007 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.0015 AF		
			Aroclor 1260	0.0004 AG		
West of OPCAs colocated	WCo-080807-006	08/07/07 - 08/08/07	Aroclor 1248	0.0008 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.0016 AF		
			Aroclor 1260	0.0004 AG		
North of OPCAs	N-080807-002	08/07/07 - 08/08/07	Aroclor 1248	0.0005 PE, P	--	PDR <sup>1</sup>
			Aroclor 1254	0.0009 AF		
			Total PCB	0.0014		
Southeast of OPCAs	SE-080807-202	08/07/07 - 08/08/07	Aroclor 1248	0.0005 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.0007 AF		
			Total PCB	0.0013		
Pittsfield Generating (PGE)	PGE-080807-303	08/07/07 - 08/08/07	Aroclor 1248	0.0006 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.0008 AG		
			Total PCB	0.0014		
Background Sample Location - East of Building 9B	BK3-080807-001	08/07/07 - 08/08/07	Aroclor 1248	0.0013 PE	--	PDR <sup>1</sup>
			Aroclor 1254	0.0024 AF		
			Total PCB	0.0037		

**TABLE 5-3  
SUMMARY OF 2007 PCB AMBIENT AIR SAMPLING RESULTS RECEIVED DURING AUGUST 2007**

**HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS  
(all results are ug/m<sup>3</sup>)**

Sample Location	Sample ID	Sample Date(s)	Aroclor ID	Result (ug/m <sup>3</sup> )	Exceedances of Notification Level (0.05 ug/m <sup>3</sup> )	Data Validated?
Northwest of OPCAs	NW-081507-012	08/14/07 - 08/15/07	Aroclor 1254	0.0004 AF	--	PDR <sup>1</sup>
			Total PCB	0.0004	None	
West of OPCAs	W-081507-301	08/14/07 - 08/15/07	Aroclor 1248	0.0003 PE	--	
			Aroclor 1254	0.0006 AF	None	
West of OPCAs colocated	WCo-081507-006	08/14/07 - 08/15/07	Total PCB	0.0009	None	
			Aroclor 1254	0.0006 AF	--	
North of OPCAs	N-081507-002	08/14/07 - 08/15/07	Total PCB	0.0006	None	
			Aroclor 1254	0.0004 AF	--	
Southeast of OPCAs	SE-081507-202	08/14/07 - 08/15/07	Total PCB	0.0004	None	
			Aroclor 1248	0.0003 PE	--	
Pittsfield Generating (PGE)	PGE-081507-303	08/14/07 - 08/15/07	Aroclor 1254	0.0005 AF	None	
			Total PCB	0.0008	None	
Background Sample Location - East of Building 9B	BK3-081507-001	08/14/07 - 08/15/07	Aroclor 1248	0.0004 PE	--	
			Aroclor 1254	0.0012 AF	None	
Northwest of OPCAs	NW-082307-012	08/22/07 - 08/23/07	Total PCB	0.0010	None	
			Aroclor 1248	0.0004 PE	--	
West of OPCAs	W-082307-301	08/22/07 - 08/23/07	Aroclor 1254	0.0012 AF	None	
			Total PCB	0.0016	None	
West of OPCAs colocated	WCo-082307-006	08/22/07 - 08/23/07	Aroclor 1248	0.0004 PE	--	
			Aroclor 1254	0.0005 AF	None	
North of OPCAs	N-082307-002	08/22/07 - 08/23/07	Total PCB	0.0009	None	
			Aroclor 1254	0.0005 AF	--	
Southeast of OPCAs	SE-082307-202	08/22/07 - 08/23/07	Total PCB	0.0005	None	
			Aroclor 1254	0.0005 AF	None	
Pittsfield Generating (PGE)	PGE-082307-303	08/22/07 - 08/23/07	Total PCB	0.0009	None	
			Aroclor 1248	0.0004 PE	--	
Background Sample Location - East of Building 9B	BK3-082307-001	08/22/07 - 08/23/07	Aroclor 1254	0.0009 AF	None	
			Total PCB	0.0013	None	

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

Only results for detected Aroclors, as well as Total PCBs, are presented.

ND - Non Detect (<0.0003)

PDR - Preliminary data review

P - Indicates percent difference (%D) between primary and secondary GC column analysis exceeds 40%.

AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

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

**Qualification Notes:**

<sup>1</sup> Preliminary data review was conducted based on the following data quality indicators associated with the tabulated data set above: sampling collection time, sampling calibration check, temperature receipt, associated blanks, laboratory control samples recoveries, and surrogate recoveries.

**TABLE 5-4  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2007**

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

Sampling Date <sup>1</sup>	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	Background Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
04/17/07	Pittsfield Generating Co.	0.001	0.004	10:45	NNW
	Northwest of OPCAs	0.006		10:30	
	West of OPCAs	0.004		10:45	
04/18/07	Pittsfield Generating Co.	0.004	0.002	10:45	NNE
	Northwest of OPCAs	0.004		10:15	
	West of OPCAs	0.002		10:45	
05/29/07	North of OPCAs	0.009	0.032	10:45	NNW, WNW
	Pittsfield Generating Co.	0.011		10:45	
	Southeast of OPCAs	0.007		10:50	
	Northwest of OPCAs	0.006		10:45	
	West of OPCAs	0.020		10:45	
05/30/07	North of OPCAs	0.016	0.026	10:45	Variable
	Pittsfield Generating Co.	0.008		10:45	
	Southeast of OPCAs	0.017		10:45	
	Northwest of OPCAs	0.005		10:45	
	West of OPCAs	0.005		10:45	
05/31/07	North of OPCAs	0.029	0.050	10:45	Calm
	Pittsfield Generating Co.	0.026		10:45	
	Southeast of OPCAs	0.024		10:45	
	Northwest of OPCAs	0.023		10:45	
	West of OPCAs	0.022		10:45	
06/01/07	North of OPCAs	0.051	0.048	10:45	WNW
	Pittsfield Generating Co.	0.028		10:45	
	Southeast of OPCAs	0.026		10:45	
	Northwest of OPCAs	0.026		10:45	
	West of OPCAs	0.033		10:45	
06/04/07	North of OPCAs	0.006	0.006	10:45	Variable
	Pittsfield Generating Co.	0.006		6:30 <sup>2</sup>	
	Southeast of OPCAs	0.004		10:45	
	Northwest of OPCAs	0.003		10:45	
	West of OPCAs	0.008		10:45	
06/05/07	North of OPCAs	0.025	0.026	10:45	SSW
	Pittsfield Generating Co.	0.031		10:15	
	Southeast of OPCAs	0.021		10:45	
	Northwest of OPCAs	0.023		10:45	
	West of OPCAs	0.025		10:45	
06/06/07	North of OPCAs	0.011	0.008	10:45	WNW
	Pittsfield Generating Co.	0.010		10:45	
	Southeast of OPCAs	0.006		10:45	
	Northwest of OPCAs	0.006		10:45	
	West of OPCAs	0.009		10:45	
06/07/07	North of OPCAs	0.013	0.003	10:45	Variable
	Pittsfield Generating Co.	0.008		10:45	
	Southeast of OPCAs	0.007		10:45	
	Northwest of OPCAs	0.004		10:45	
	West of OPCAs	0.006		10:45	

**TABLE 5-4  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2007**

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

Sampling Date <sup>1</sup>	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	Background Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
06/08/07	North of OPCAs	0.034	0.016	10:45	Variable
	Pittsfield Generating Co.	0.030		10:45	
	Southeast of OPCAs	0.029		10:45	
	Northwest of OPCAs	0.007		5:15 <sup>2</sup>	
	West of OPCAs	0.027		10:45	
06/11/07	North of OPCAs	0.011	0.036	10:45	Calm
	Pittsfield Generating Co.	0.015		10:45	
	Southeast of OPCAs	0.012		10:45	
	Northwest of OPCAs	0.011		10:45	
	West of OPCAs	0.023		10:45	
06/12/07	North of OPCAs	0.011	0.010	10:45	NNE
	Pittsfield Generating Co.	0.011		10:45	
	Southeast of OPCAs	0.008		10:45	
	Northwest of OPCAs	0.009		10:45	
	West of OPCAs	0.015		10:45	
06/13/07	North of OPCAs	0.005	0.035	10:45	Variable
	Pittsfield Generating Co.	0.005		10:45	
	Southeast of OPCAs	0.005		10:45	
	Northwest of OPCAs	0.006		10:45	
	West of OPCAs	0.008		10:45	
06/14/07	North of OPCAs	0.013	0.031	10:45	Variable
	Pittsfield Generating Co.	0.007		10:45	
	Southeast of OPCAs	0.007		10:45	
	Northwest of OPCAs	0.008		10:45	
	West of OPCAs	0.006		10:45	
06/15/07	North of OPCAs	0.009	0.023	10:45	Calm
	Pittsfield Generating Co.	0.004		10:45	
	Southeast of OPCAs	0.005		10:45	
	Northwest of OPCAs	0.003		10:30	
	West of OPCAs	0.005		10:30	
06/18/07	North of OPCAs	0.006	0.018	10:30	Variable
	Pittsfield Generating Co.	0.010		10:15	
	Southeast of OPCAs	0.007		10:15	
	Northwest of OPCAs	0.004		10:30	
	West of OPCAs	0.011		10:30	
06/19/07	North of OPCAs	0.030	0.045	10:45	SSW
	Pittsfield Generating Co.	0.031		10:45	
	Southeast of OPCAs	0.031		10:45	
	Northwest of OPCAs	0.033		10:30	
	West of OPCAs	0.021		10:45	
06/20/07	North of OPCAs	0.011	0.015	10:45	WNW
	Pittsfield Generating Co.	0.004*		5:30 <sup>2</sup>	
	Southeast of OPCAs	0.021		10:45	
	Northwest of OPCAs	0.016		10:45	
	West of OPCAs	0.012		10:45	



**TABLE 5-4  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2007**

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

Sampling Date <sup>1</sup>	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	Background Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
06/21/07	North of OPCAs	0.008	0.006	10:45	WNW
	Pittsfield Generating Co.	0.011		10:45	
	Southeast of OPCAs	0.009		10:45	
	Northwest of OPCAs	0.008		10:45	
	West of OPCAs	0.005		10:45	
06/22/07	North of OPCAs	0.007	0.004	10:45	WNW
	Pittsfield Generating Co.	0.006		10:45	
	Southeast of OPCAs	0.006		10:45	
	Northwest of OPCAs	0.005		10:45	
	West of OPCAs	0.004		10:45	
06/25/07	North of OPCAs	0.016	0.007	10:45	SSW
	Pittsfield Generating Co.	0.017		10:45	
	Southeast of OPCAs	0.015		10:45	
	Northwest of OPCAs	0.019		10:45	
	West of OPCAs	0.020		10:45	
06/26/07	North of OPCAs	0.022	0.044	10:45	WSW
	Pittsfield Generating Co.	0.023		10:45	
	Southeast of OPCAs	0.020		10:45	
	Northwest of OPCAs	0.024		10:45	
	West of OPCAs	0.024		10:45	
06/27/07	North of OPCAs	0.049	0.033	10:45	SSW
	Pittsfield Generating Co.	0.044		10:45	
	Southeast of OPCAs	0.039		10:45	
	Northwest of OPCAs	0.039		10:45	
	West of OPCAs	0.043		10:45	
06/28/07	North of OPCAs	0.025	0.045	10:45	WSW, WNW
	Pittsfield Generating Co.	0.023		10:45	
	Southeast of OPCAs	0.016		10:45	
	Northwest of OPCAs	0.019		10:45	
	West of OPCAs	0.017		10:45	
06/29/07	North of OPCAs	0.005	0.001	10:45	WNW
	Pittsfield Generating Co.	0.006		10:45	
	Southeast of OPCAs	0.004		10:45	
	Northwest of OPCAs	0.002		10:45	
	West of OPCAs	0.003		10:45	
07/02/07	North of OPCAs	0.008	0.003	10:45	WNW
	Pittsfield Generating Co.	0.004		10:45	
	Southeast of OPCAs	0.002		10:45	
	Northwest of OPCAs	0.005		10:45	
	West of OPCAs	0.004		10:45	
07/03/07	North of OPCAs	0.009	0.003	10:45	WNW
	Pittsfield Generating Co.	0.008		10:45	
	Southeast of OPCAs	0.005		10:45	
	Northwest of OPCAs	0.023		10:45	
	West of OPCAs	0.004		10:45	

**TABLE 5-4  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2007**

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

<b>Sampling Date<sup>1</sup></b>	<b>Sampler Location</b>	<b>Average Site Concentration (mg/m<sup>3</sup>)</b>	<b>Background Site Concentration (mg/m<sup>3</sup>)</b>	<b>Average Period (Hours:Min)</b>	<b>Predominant Wind Direction</b>
07/05/07	North of OPCAs	0.033	0.041	10:45	Variable
	Pittsfield Generating Co.	0.025		10:45	
	Southeast of OPCAs	0.033		10:45	
	Northwest of OPCAs	0.038		10:45	
	West of OPCAs	0.032		10:45	
07/06/07	North of OPCAs	0.022	0.018	10:45	Variable
	Pittsfield Generating Co.	0.019		10:45	
	Southeast of OPCAs	0.016		10:45	
	Northwest of OPCAs	0.021		10:45	
	West of OPCAs	0.016		10:45	
07/09/07	North of OPCAs	0.029	0.036	10:45	SSW
	Pittsfield Generating Co.	0.032		10:45	
	Southeast of OPCAs	0.032		10:45	
	Northwest of OPCAs	0.027		10:45	
	West of OPCAs	0.025		10:45	
07/10/07	North of OPCAs	0.033	0.033	10:45	SSW
	Pittsfield Generating Co.	0.033		10:45	
	Southeast of OPCAs	0.022		10:45	
	Northwest of OPCAs	0.028		10:45	
	West of OPCAs	0.026		10:45	
07/11/07	North of OPCAs	0.020	0.015	10:45	SSW
	Pittsfield Generating Co.	0.027		10:45	
	Southeast of OPCAs	0.018		10:45	
	Northwest of OPCAs	0.023		10:45	
	West of OPCAs	0.021		10:45	
07/12/07	North of OPCAs	0.010	0.002	10:45	WNW
	Pittsfield Generating Co.	0.007		10:45	
	Southeast of OPCAs	0.003		10:45	
	Northwest of OPCAs	0.004		10:45	
	West of OPCAs	0.002		10:45	
07/13/07	North of OPCAs	0.013	0.008	10:45	WSW, WNW
	Pittsfield Generating Co.	0.011		10:45	
	Southeast of OPCAs	0.007		10:45	
	Northwest of OPCAs	0.010		10:45	
	West of OPCAs	0.007		10:45	
07/16/07	North of OPCAs	0.007	0.003	10:45	WNW
	Pittsfield Generating Co.	0.005		10:45	
	Southeast of OPCAs	0.003		10:45	
	Northwest of OPCAs	0.005		10:45	
	West of OPCAs	0.004		10:45	
07/17/07	North of OPCAs	0.009	0.008	10:45	Variable
	Pittsfield Generating Co.	0.026		10:45	
	Southeast of OPCAs	0.009		10:45	
	Northwest of OPCAs	0.009		10:45	
	West of OPCAs	0.007		10:45	

**TABLE 5-4  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2007**

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

Sampling Date <sup>1</sup>	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	Background Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
07/18/07	North of OPCAs	0.038	0.033	10:45	Variable
	Pittsfield Generating Co.	0.036		10:45	
	Southeast of OPCAs	0.035		10:45	
	Northwest of OPCAs	0.035		10:45	
	West of OPCAs	0.034		10:45	
07/19/07	North of OPCAs	0.024	0.022	10:45	SSW
	Pittsfield Generating Co.	0.025		10:45	
	Southeast of OPCAs	0.023		10:45	
	Northwest of OPCAs	0.021		10:45	
	West of OPCAs	0.018		10:45	
07/20/07	North of OPCAs	0.006	0.002	10:45	WNW
	Pittsfield Generating Co.	0.006		10:45	
	Southeast of OPCAs	0.004		10:45	
	Northwest of OPCAs	0.005		10:45	
	West of OPCAs	0.006		10:45	
07/23/07	North of OPCAs	0.011	0.013	10:45	ENE
	Pittsfield Generating Co.	0.009		10:45	
	Southeast of OPCAs	0.010		10:45	
	Northwest of OPCAs	0.018		10:45	
	West of OPCAs	0.009		10:45	
07/24/07	North of OPCAs	0.004	0.002	10:45	WSW
	Pittsfield Generating Co.	0.004		10:45	
	Southeast of OPCAs	0.002		10:45	
	Northwest of OPCAs	0.003		10:45	
	West of OPCAs	0.005		10:45	
07/25/07	North of OPCAs	0.016	0.014	10:45	SSW
	Pittsfield Generating Co.	0.022		10:45	
	Southeast of OPCAs	0.015		10:45	
	Northwest of OPCAs	0.017		10:45	
	West of OPCAs	0.013		10:45	
07/26/07	North of OPCAs	0.015	0.012	10:45	SSW
	Pittsfield Generating Co.	0.017		10:45	
	Southeast of OPCAs	0.012		10:45	
	Northwest of OPCAs	0.016		10:45	
	West of OPCAs	0.011		10:45	
07/27/07	North of OPCAs	0.017	0.026	10:45	SSW
	Pittsfield Generating Co.	0.019		10:45	
	Southeast of OPCAs	0.013		10:45	
	Northwest of OPCAs	0.016		10:45	
	West of OPCAs	0.016		10:45	
07/30/07	North of OPCAs	0.012	0.010	10:45	WNW
	Pittsfield Generating Co.	0.015		10:45	
	Southeast of OPCAs	0.012		10:45	
	Northwest of OPCAs	0.028		10:15	
	West of OPCAs	0.006		10:45	

**TABLE 5-4  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2007**

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

<b>Sampling Date<sup>1</sup></b>	<b>Sampler Location</b>	<b>Average Site Concentration (mg/m<sup>3</sup>)</b>	<b>Background Site Concentration (mg/m<sup>3</sup>)</b>	<b>Average Period (Hours:Min)</b>	<b>Predominant Wind Direction</b>
07/31/07	North of OPCAs	0.014	0.007	10:45	Variable
	Pittsfield Generating Co.	0.015		10:45	
	Southeast of OPCAs	0.010		10:45	
	Northwest of OPCAs	0.011		10:45	
	West of OPCAs	0.006		10:45	
08/01/07	North of OPCAs	0.010	0.009	10:45	WNW
	Pittsfield Generating Co.	0.026		10:45	
	Southeast of OPCAs	0.011		10:45	
	Northwest of OPCAs	0.011		10:45	
	West of OPCAs	0.009		10:45	
08/02/07	North of OPCAs	0.029	0.013	10:45	Variable
	Pittsfield Generating Co.	0.022		10:45	
	Southeast of OPCAs	0.016		10:45	
	Northwest of OPCAs	0.015		10:45	
	West of OPCAs	0.012		10:45	
08/03/07	North of OPCAs	0.041	0.032	10:45	SSW
	Pittsfield Generating Co.	0.045		10:45	
	Southeast of OPCAs	0.035		10:45	
	Northwest of OPCAs	0.036		10:45	
	West of OPCAs	0.032		10:45	
08/06/07	North of OPCAs	0.022	0.020	10:45	SSW, WSW
	Pittsfield Generating Co.	0.023		10:15	
	Southeast of OPCAs	0.019		10:45	
	Northwest of OPCAs	0.019		10:45	
	West of OPCAs	0.018		10:45	
08/07/07	North of OPCAs	0.020	0.011	10:45	Calm
	Pittsfield Generating Co.	0.016		10:45	
	Southeast of OPCAs	0.015		10:45	
	Northwest of OPCAs	0.014		10:45	
	West of OPCAs	0.016		10:45	
08/08/07	North of OPCAs	0.029	0.035	10:45	WSW
	Pittsfield Generating Co.	0.029		10:30	
	Southeast of OPCAs	0.016		10:45	
	Northwest of OPCAs	0.021		10:45	
	West of OPCAs	0.020		10:45	
08/09/07	North of OPCAs	0.006	0.001	10:45	Calm
	Pittsfield Generating Co.	0.006		10:45	
	Southeast of OPCAs	0.003		10:45	
	Northwest of OPCAs	0.003		10:45	
	West of OPCAs	0.003		10:45	
08/10/07	North of OPCAs	0.007	0.007	10:45	Variable
	Pittsfield Generating Co.	0.023		10:45	
	Southeast of OPCAs	0.005		10:45	
	Northwest of OPCAs	0.005		10:45	
	West of OPCAs	0.008		10:45	

**TABLE 5-4  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2007**

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

Sampling Date <sup>1</sup>	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	Background Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
08/13/07	North of OPCAs	0.016	0.010	10:45	WNW
	Pittsfield Generating Co.	0.015		10:45	
	Southeast of OPCAs	0.013		10:45	
	Northwest of OPCAs	0.023		10:15	
	West of OPCAs	0.013		10:45	
08/14/07	North of OPCAs	0.010	0.004	10:45	WNW
	Pittsfield Generating Co.	0.033		10:45	
	Southeast of OPCAs	0.007		10:45	
	Northwest of OPCAs	0.008		10:45	
	West of OPCAs	0.005		10:45	
08/15/07	North of OPCAs	0.016	0.013	10:45	WSW
	Pittsfield Generating Co.	0.017		10:45	
	Southeast of OPCAs	0.017		10:45	
	Northwest of OPCAs	0.016		10:45	
	West of OPCAs	0.015		10:45	
08/16/07	North of OPCAs	0.020	0.017	10:45	SSW
	Pittsfield Generating Co.	0.020		10:45	
	Southeast of OPCAs	0.017		10:45	
	Northwest of OPCAs	0.019		10:45	
	West of OPCAs	0.016		10:45	
08/17/07	North of OPCAs	0.005	0.003	10:45	WNW
	Pittsfield Generating Co.	0.006		10:45	
	Southeast of OPCAs	0.005		10:45	
	Northwest of OPCAs	0.004		10:45	
	West of OPCAs	0.003		10:45	
08/20/07	North of OPCAs	0.008	0.004	10:45	Calm
	Pittsfield Generating Co.	0.007		10:45	
	Southeast of OPCAs	0.009		10:45	
	Northwest of OPCAs	0.017		10:00	
	West of OPCAs	0.004		10:45	
08/21/07	North of OPCAs	0.012	0.004	10:45	Calm
	Pittsfield Generating Co.	0.008		10:45	
	Southeast of OPCAs	0.016		10:45	
	Northwest of OPCAs	0.008 <sup>3</sup>		5:15 <sup>2</sup>	
	West of OPCAs	0.009		10:45	
08/22/07	North of OPCAs	0.009	0.003	10:45	Variable
	Pittsfield Generating Co.	0.005		10:45	
	Southeast of OPCAs	0.005		10:45	
	Northwest of OPCAs	0.006		10:45	
	West of OPCAs	0.007		10:45	
08/23/07	North of OPCAs	0.007	0.004	10:45	Variable
	Pittsfield Generating Co.	0.007		10:45	
	Southeast of OPCAs	0.007		10:45	
	Northwest of OPCAs	0.011		10:45	
	West of OPCAs	0.006		10:45	

**TABLE 5-4  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING 2007**

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

Sampling Date <sup>1</sup>	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	Background Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
08/24/07	North of OPCAs	0.023	0.021	10:45	Variable
	Pittsfield Generating Co.	0.024		10:45	
	Southeast of OPCAs	0.023		10:45	
	Northwest of OPCAs	0.033		10:45	
	West of OPCAs	0.022		10:45	
08/27/07	North of OPCAs	0.007	0.002	10:45	Calm
	Pittsfield Generating Co.	0.015		10:45	
	Southeast of OPCAs	0.009		10:00	
	Northwest of OPCAs	0.004		10:45	
	West of OPCAs	0.005		10:45	
08/28/07	North of OPCAs	0.042	0.005	10:45	Variable
	Pittsfield Generating Co.	0.023		10:45	
	Southeast of OPCAs	0.008		10:45	
	Northwest of OPCAs	0.010		10:45	
	West of OPCAs	0.009		10:45	
08/29/07	North of OPCAs	0.021	0.014	10:45	SSW
	Pittsfield Generating Co.	0.027		10:45	
	Southeast of OPCAs	0.020		10:45	
	Northwest of OPCAs	0.022		10:45	
	West of OPCAs	0.017		10:45	
08/30/07	North of OPCAs	0.034	0.024	10:45	Calm
	Pittsfield Generating Co.	0.027		10:45	
	Southeast of OPCAs	0.027		10:45	
	Northwest of OPCAs	0.028		10:45	
	West of OPCAs	0.030		10:45	
08/31/07	North of OPCAs	0.012	0.006	10:45	Variable
	Pittsfield Generating Co.	0.009		10:45	
	Southeast of OPCAs	0.007		10:45	
	Northwest of OPCAs	0.007		10:45	
	West of OPCAs	0.009		10:45	
Notification Level		0.120			
Action Level		0.150			

**Notes:**

Concentrations measured with an EBAM unless noted.

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

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

<sup>1</sup> The particulate monitors obtain real-time data. The sampling data were obtained by Berkshire Environmental Consultants, Inc. on the sampling date.

<sup>2</sup> Sampling period was shortened due to instrument malfunction.

<sup>3</sup> Represents data from an EBAM and a DR-4000.



**TABLE 5-5  
ANALYTICAL DATA VALIDATION SUMMARY  
AMBIENT AIR DATA FROM HILL 78/BUILDING 71 ON-PLANT CONSOLIDATION AREA (OPCA) MONITORS FOR WHICH DATA VALIDATION WAS PERFORMED IN AUGUST 2007**

**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in micrograms per PUF, ug/PUF)**

Sample Delivery Group No.	Sample Location	Sample ID	Lab Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result (ug/PUF)	Qualified Result (ug/m <sup>3</sup> )	Notes								
<b>EPA TO-4A (continued)</b>																						
07070118	West of OPCAs	W-071807-301	AK07875	7/18/2007	Air	Tier II	Yes	Aroclor-1254	LCS/LCSD %RPD	24.9%	<20%	0.350 J	0.0010 J									
								Aroclor-1260	LCS %R	66.0%	70.0% to 130%	0.110 J	0.0003 J									
								Aroclor-1260	LCS/LCSD %RPD	24.9%	<20%	0.110 J	0.0003 J									
								Total PCBs	LCS %R	66.0%	70.0% to 130%	0.634 J	0.0020 J									
								Total PCBs	LCS/LCSD %RPD	24.9%	<20%	0.634 J	0.0020 J									
								Total PCBs	Aroclor-1248 Tentatively Identified	0.634(ug/PUF)	-	0.634 J	0.0020 J									
07070118	West of OPCAs colocated	WCO-071807-006	AK07876	7/18/2007	Air	Tier II	Yes	Aroclor-1016	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J									
								Aroclor-1016	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J									
								Aroclor-1221	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J									
								Aroclor-1221	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J									
								Aroclor-1232	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J									
								Aroclor-1232	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J									
								Aroclor-1242	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J									
								Aroclor-1242	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J									
								Aroclor-1248	LCS %R	66.0%	70.0% to 130%	0.198 J	0.0006 J									
								Aroclor-1248	LCS/LCSD %RPD	24.9%	<20%	0.198 J	0.0006 J									
								Aroclor-1248	Aroclor-1248 Tentatively Identified	0.198(ug/PUF)	-	0.198 J	0.0006 J									
								Aroclor-1254	LCS %R	66.0%	70.0% to 130%	0.356 J	0.0011 J									
								Aroclor-1254	LCS/LCSD %RPD	24.9%	<20%	0.356 J	0.0011 J									
								Aroclor-1260	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J									
								Aroclor-1260	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J									
								Total PCBs	LCS %R	66.0%	70.0% to 130%	0.554 J	0.0017 J									
								Total PCBs	LCS/LCSD %RPD	24.9%	<20%	0.554 J	0.0017 J									
								Total PCBs	Aroclor-1248 Tentatively Identified	0.554(ug/PUF)	-	0.554 J	0.0017 J									
								07070118	North of OPCAs	N-071807-002	AK07877	7/18/2007	Air	Tier II	Yes	Aroclor-1016	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J	
																Aroclor-1016	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J	
																Aroclor-1221	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J	
Aroclor-1221	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J																	
Aroclor-1232	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J																	
Aroclor-1232	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J																	
Aroclor-1242	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J																	
Aroclor-1242	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J																	
Aroclor-1248	LCS %R	66.0%	70.0% to 130%	0.113 J	0.0003 J																	
Aroclor-1248	LCS/LCSD %RPD	24.9%	<20%	0.113 J	0.0003 J																	
Aroclor-1248	Aroclor-1248 Tentatively Identified	0.113(ug/PUF)	-	0.113 J	0.0003 J																	
Aroclor-1254	LCS %R	66.0%	70.0% to 130%	0.155 J	0.0005 J																	
Aroclor-1254	LCS/LCSD %RPD	24.9%	<20%	0.155 J	0.0005 J																	
Aroclor-1260	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J																	
Aroclor-1260	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J																	
Total PCBs	LCS %R	66.0%	70.0% to 130%	0.268 J	0.0008 J																	
Total PCBs	LCS/LCSD %RPD	24.9%	<20%	0.268 J	0.0008 J																	
Total PCBs	Aroclor-1248 Tentatively Identified	0.268(ug/PUF)	-	0.268 J	0.0008 J																	
07070118	Southeast of OPCAs	SE-071807-202	AK07878	7/18/2007	Air	Tier II	Yes									Aroclor-1016	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J	
																Aroclor-1016	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J	
																Aroclor-1221	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J	
								Aroclor-1221	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J									
								Aroclor-1232	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J									
								Aroclor-1232	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J									
								Aroclor-1242	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J									
								Aroclor-1242	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J									
								Aroclor-1248	LCS %R	66.0%	70.0% to 130%	0.142 J	0.0004 J									
								Aroclor-1248	LCS/LCSD %RPD	24.9%	<20%	0.142 J	0.0004 J									
								Aroclor-1248	Aroclor-1248 Tentatively Identified	0.142(ug/PUF)	-	0.142 J	0.0004 J									
								Aroclor-1254	LCS %R	66.0%	70.0% to 130%	0.200 J	0.0006 J									
								Aroclor-1254	LCS/LCSD %RPD	24.9%	<20%	0.200 J	0.0006 J									
								Aroclor-1260	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J									
								Aroclor-1260	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J									
								Total PCBs	LCS %R	66.0%	70.0% to 130%	0.342 J	0.0011 J									
								Total PCBs	LCS/LCSD %RPD	24.9%	<20%	0.342 J	0.0011 J									
								Total PCBs	Aroclor-1248 Tentatively Identified	0.342(ug/PUF)	-	0.342 J	0.0011 J									
								07070118	Pittsfield Generating (PGE)	PGE-071807-303	AK07879	7/18/2007	Air	Tier II	Yes	Aroclor-1016	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J	
																Aroclor-1016	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J	
																Aroclor-1221	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J	
Aroclor-1221	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J																	
Aroclor-1232	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J																	
Aroclor-1232	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J																	
Aroclor-1242	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J																	
Aroclor-1242	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J																	
Aroclor-1242	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J																	



**TABLE 5-5  
ANALYTICAL DATA VALIDATION SUMMARY  
AMBIENT AIR DATA FROM HILL 78/BUILDING 71 ON-PLANT CONSOLIDATION AREA (OPCA) MONITORS FOR WHICH DATA VALIDATION WAS PERFORMED IN AUGUST 2007**

**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in micrograms per PUF, ug/PUF)**

Sample Delivery Group No.	Sample Location	Sample ID	Lab Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result (ug/PUF)	Qualified Result (ug/m <sup>3</sup> )	Notes
<b>EPA TO-4A (continued)</b>														
07070118	Pittsfield Generating (PGE)	PGE-071807-303	AK07879	7/18/2007	Air	Tier II	Yes	Aroclor-1242	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J	
								Aroclor-1248	LCS %R	66.0%	70.0% to 130%	0.127 J	0.0004 J	
								Aroclor-1248	LCS/LCSD %RPD	24.9%	<20%	0.127 J	0.0004 J	
								Aroclor-1248	Aroclor-1248 Tentatively Identified	0.127(ug/PUF)	-	0.127 J	0.0004 J	
								Aroclor-1254	LCS %R	66.0%	70.0% to 130%	0.207 J	0.0006 J	
								Aroclor-1254	LCS/LCSD %RPD	24.9%	<20%	0.207 J	0.0006 J	
								Aroclor-1260	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J	
								Aroclor-1260	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J	
								Total PCBs	LCS %R	66.0%	70.0% to 130%	0.334 J	0.0010 J	
								Total PCBs	LCS/LCSD %RPD	24.9%	<20%	0.334 J	0.0010 J	
								Total PCBs	Aroclor-1248 Tentatively Identified	0.334(ug/PUF)	-	0.334 J	0.0010 J	
								Aroclor-1016	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J	
								Aroclor-1016	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J	
								Aroclor-1221	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J	
								Aroclor-1221	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J	
Aroclor-1232	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J									
Aroclor-1232	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J									
Aroclor-1242	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J									
Aroclor-1242	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J									
Aroclor-1248	LCS %R	66.0%	70.0% to 130%	0.203 J	0.0006 J									
Aroclor-1248	LCS/LCSD %RPD	24.9%	<20%	0.203 J	0.0006 J									
Aroclor-1248	Aroclor-1248 Tentatively Identified	0.203(ug/PUF)	-	0.203 J	0.0006 J									
Aroclor-1254	LCS %R	66.0%	70.0% to 130%	0.471 J	0.0015 J									
Aroclor-1254	LCS/LCSD %RPD	24.9%	<20%	0.471 J	0.0015 J									
Aroclor-1260	LCS %R	66.0%	70.0% to 130%	ND(0.100) J	ND(0.0003) J									
Aroclor-1260	LCS/LCSD %RPD	24.9%	<20%	ND(0.100) J	ND(0.0003) J									
Total PCBs	LCS %R	66.0%	70.0% to 130%	0.674 J	0.0021 J									
Total PCBs	LCS/LCSD %RPD	24.9%	<20%	0.674 J	0.0021 J									
Total PCBs	Aroclor-1248 Tentatively Identified	0.674(ug/PUF)	-	0.674 J	0.0021 J									

**TABLE 5-6  
SUMMARY OF 2007 PCB AMBIENT AIR SAMPLING RESULTS**

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

Date	Northwest of OPCAs	West of OPCAs	West of OPCAs collocated	North of OPCAs	Southeast of OPCAs	Pittsfield Generating (PGE)	Background Sample Location - East of Building 9B	Data Validated?
01/10/07 - 01/11/07	ND	ND	ND	ND	ND	ND	ND	Tier I/II
02/06/07 - 02/07/07	ND	ND	ND	ND	ND	ND	ND	Tier I/II
03/06/07 - 03/07/07	ND J <sup>1</sup>	ND	ND	ND	ND	ND	ND	Tier I/II
04/17/07 - 04/18/07	ND	ND	ND	ND	ND	ND	ND	Tier I/II
05/08/07 - 05/09/07	0.0008 <sup>2</sup>	0.0015 <sup>2</sup>	0.0018 <sup>2</sup>	0.0008 <sup>2</sup>	0.0008 <sup>2</sup>	0.0008 <sup>2</sup>	0.0015 <sup>2</sup>	Tier I/II
05/30/07 - 05/31/07	0.0008 <sup>2</sup>	0.0017 <sup>2</sup>	0.0017 <sup>2</sup>	0.0008 <sup>2</sup>	0.0010 <sup>2</sup>	0.0012 <sup>2</sup>	0.0022 <sup>2</sup>	Tier I/II
06/06/07 - 06/07/07	0.0003 J <sup>3</sup>	ND	ND	ND	ND	0.0004 J <sup>3</sup>	ND	Tier I/II
06/12/07 - 06/13/07	0.0007 J <sup>3</sup>	0.0008 J <sup>3</sup>	0.0008 J <sup>3</sup>	0.0004 J <sup>3</sup>	0.0006 J <sup>3</sup>	0.0004	0.0020 J <sup>3</sup>	Tier I/II
06/19/07 - 06/20/07	0.0034 J <sup>3</sup>	0.0058 J <sup>3</sup>	0.0056 J <sup>3,4</sup>	0.0021 J <sup>3</sup>	0.0014 J <sup>3,5</sup>	0.0019 J <sup>3</sup>	0.0042 J <sup>3</sup>	Tier I/II
06/26/07 - 06/27/07	0.0024 J <sup>3</sup>	0.0041 J <sup>3</sup>	0.0039 J <sup>3</sup>	0.0017 J <sup>3</sup>	0.0019 J <sup>3</sup>	0.0028 J <sup>3</sup>	0.0036 J <sup>3</sup>	Tier I/II
07/02/07 - 07/03/07	ND	NA <sup>7</sup>	0.0003	ND	ND	ND	0.0004	Tier I/II
07/10/07 - 07/11/07	0.0032 J <sup>3</sup>	0.0050 J <sup>3,5</sup>	0.0059 J <sup>3</sup>	0.0025 J <sup>3</sup>	0.0018 J <sup>3</sup>	0.0024 J <sup>3</sup>	0.0039 J <sup>3</sup>	Tier I/II
07/17/07 - 07/18/07	0.0008 J <sup>3,8</sup>	0.0020 J <sup>3,8</sup>	0.0017 J <sup>3,8</sup>	0.0008 J <sup>3,8</sup>	0.0011 J <sup>3,8</sup>	0.0010 J <sup>3,8</sup>	0.0021 J <sup>3,8</sup>	Tier I/II
07/24/07 - 07/25/07	0.0008	0.0013	0.0010	0.0009	0.0008	0.0012	0.0019	PDR <sup>6</sup>
08/01/07 - 08/02/07	0.0011	0.0013	0.0018	0.0009	0.0012	0.0010	0.0022	PDR <sup>6</sup>
08/07/07 - 08/08/07	0.0015	0.0026	0.0027	0.0014	0.0013	0.0014	0.0037	PDR <sup>6</sup>
08/14/07 - 08/15/07	0.0004	0.0009	0.0006	0.0004	0.0008	0.0010	0.0016	PDR <sup>6</sup>
08/22/07 - 08/23/07	ND	0.0005	0.0009	ND	ND	ND	0.0013	PDR <sup>6</sup>
<b>Exceedances of Notification Level (0.05 µg/m<sup>3</sup>)</b>	None	None	None	None	None	None	None	

**TABLE 5-6  
SUMMARY OF 2007 PCB AMBIENT AIR SAMPLING RESULTS**

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

Notes:

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

ND - Non Detect (<0.0003)

PDR - Preliminary Data Review

J - Indicates that the associated numerical value is an estimated concentration.

<sup>1</sup> Sample location NW-030707-012 was qualified due to pre-event sample collection pump flow percent difference (%D) greater than 10% from target flow rate.

<sup>2</sup> Prior to the June 6-7, 2007 sampling event, sampling data that did not match the Aroclor pattern established through analysis of the target Aroclor standard (which consisted of data for Aroclor 1248) were qualified as non-detect ("ND"), and the Total PCB concentration was adjusted to reflect the qualification of those data as "ND".

<sup>3</sup> Based on discussions with the EPA, beginning with the June 6-7, 2007 sampling event, sampling data that did not match the Aroclor pattern established through analysis of the target Aroclor standard (which consisted of data for Aroclor 1248) were qualified as estimated ("J").

<sup>4</sup> During preliminary data review, this value was reported from the confirmation column and was later corrected to the value from the primary analytical column.

<sup>5</sup> Sample result qualified as estimate due to confirmation column analysis exhibiting a percent difference (%D) outside the control limits.

<sup>6</sup> Preliminary data review was conducted based on the following data quality indicators associated with the tabulated data set above: sampling collection time, sampling calibration check, temperature receipt, associated blanks, laboratory control samples recoveries, and surrogate recoveries.

<sup>7</sup> Sample did not meet validity requirements and was not analyzed. Sample did not meet the QA/QC criteria of 24 hours ± 30 minutes.

<sup>8</sup> Sample results qualified as estimate due to the laboratory control sample (LCS) exhibiting a recovery less than the control limit and exhibiting a relative percent difference between the LCS and laboratory control sample duplicate (LCSD) greater than the control limit.

**ITEM 6  
PLANT AREA  
HILL 78 AREA - REMAINDER  
(GECD160)  
AUGUST 2007**

**a. Activities Undertaken/Completed**

- Prepared and circulated request for proposal(s) for utility re-routing activities.\*
- Conducted drum sampling at Building 78 of soil cuttings from recent soil sampling activities, as identified in Table 6-1.

**b. Sampling/Test Results Received**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

None

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

- Initiate soil-related evaluations to support a Conceptual RD/RA Work Plan for Hill 78 Area-Remainder.\*
- Prepare additional submissions if required by EPA's comments on GE's Supplemental Sampling and Engineering Design Report for the re-routing of sanitary and stormwater pipelines around the Hill 78 OPCA, and install re-routed sanitary and stormwater pipelines around the Hill 78 OPCA (dependent on timing of EPA approval).\*

**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 AUGUST 2007**

**HILL 78 AREA-REMAINDER  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Building 78 Decon Water from On/Offsite Activities	F3300-1	7/30/07	Water	SGS	PCB	8/21/07
Soil Cuttings	A3502-1	8/14/07	Soil	SGS	PCB, TCLP	
Soil Cuttings	A3742-1	8/14/07	Soil	SGS	PCB, TCLP	

**TABLE 6-2  
PCB DATA RECEIVED DURING AUGUST 2007**

**BUILDING 78 DECON WATER FROM ON/OFFSITE ACTIVITIES  
HILL 78 AREA-REMAINDER  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Sample ID</b>	<b>Date Collected</b>	<b>Aroclor-1016</b>	<b>Aroclor-1221</b>	<b>Aroclor-1232</b>	<b>Aroclor-1242</b>	<b>Aroclor-1248</b>	<b>Aroclor-1254</b>	<b>Aroclor-1260</b>	<b>Total PCBs</b>
F3300-1	7/30/2007	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	0.00065	ND(0.00010)	0.00065

Notes:

1. Sample was collected by Veolia ES Technical Solutions, L.L.C. and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

**ITEM 7  
PLANT AREA  
UNKAMET BROOK AREA  
(GEC170)  
AUGUST 2007**

**a. Activities Undertaken/Completed**

- Continued activities related to the detailed surveys (including metes and bounds and topographic surveys) of the Unkamet Brook Area (being performed by Hill Engineers, Architects & Planners).\*
- Continued flow monitoring activities in Unkamet Brook.\*
- Conducted pavement assessment in accordance with Condition No. 2 of EPA's February 22, 2007 conditional approval letter for the Pre-Design Investigation Report (August 1, 2007).
- Conducted site walk on top of bank and near high water mark within the southernmost portion of the Unkamet Brook Area (generally south of Merrill Road) (August 6, 2007).
- Conducted additional supplemental PCB investigation as proposed in the Supplement to Pre-Design Investigation Report and as identified in Table 7-1.
- Conducted sampling of soil from a flagpole installation within Unkamet Brook Area, as identified in Table 7-1.

**b. Sampling/Test Results Received**

See attached table and enclosed compact disk (containing flow monitoring data from Unkamet Brook).

**c. Work Plans/Reports/Documents Submitted**

None

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

- Continue performing detailed surveys of the Unkamet Brook Area.\*
- Initiate the development of Conceptual RD/RA Work Plan for Unkamet Brook-West following EPA approval of GE's Supplement to Pre-Design Investigation Report.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

None

**f. Proposed/Approved Work Plan Modifications**

None

**TABLE 7-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

**UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Depth (feet)</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Additional Supplemental PCBs Investigation	RAA10-E-BBB27	8/30/07	0-1	Soil	SGS	PCB	
Additional Supplemental PCBs Investigation	RAA10-E-DUP-004 (RAA10-E-BBB27)	8/30/07	0-1	Soil	SGS	PCB	
Additional Supplemental PCBs Investigation	RAA10-E-KKLL6.5	8/30/07	0-1	Soil	SGS	PCB	
Additional Supplemental PCBs Investigation	RAA10-E-MMNN8.5	8/30/07	0-1	Soil	SGS	PCB	
GE Plastics Flagpole Installation	Flag-Soil-1	8/14/07	NA	Soil	SGS	PCB, TCLP	

Note:

1. Field duplicate parent sample locations are presented in parenthesis.



UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/25/2007 16:05	2.149	10.16
7/25/2007 16:10	2.149	10.16
7/25/2007 16:15	2.149	10.16
7/25/2007 16:20	2.15	10.16
7/25/2007 16:25	2.15	10.16
7/25/2007 16:30	2.15	0.3
7/25/2007 16:35	2.151	0.3
7/25/2007 16:40	2.15	0.3
7/25/2007 16:45	2.151	0.3
7/25/2007 16:50	2.151	0.3
7/25/2007 16:55	2.148	0.3
7/25/2007 17:00	2.15	0.3
7/25/2007 17:05	2.15	0.12
7/25/2007 17:10	2.15	0.12
7/25/2007 17:15	2.15	0.12
7/25/2007 17:20	2.15	0.12
7/25/2007 17:25	2.151	0.12
7/25/2007 17:30	2.151	0.12
7/25/2007 17:35	2.151	0.12
7/25/2007 17:40	2.151	0.12
7/25/2007 17:45	2.152	0.12
7/25/2007 17:50	2.152	0.09
7/25/2007 17:55	2.152	0.09
7/25/2007 18:00	2.151	0.09
7/25/2007 18:05	2.152	0.09
7/25/2007 18:10	2.153	0.09
7/25/2007 18:15	2.153	0.09
7/25/2007 18:20	2.153	0.09
7/25/2007 18:25	2.153	0.09
7/25/2007 18:30	2.154	11.01
7/25/2007 18:35	2.154	11.01
7/25/2007 18:40	2.154	11.01
7/25/2007 18:45	2.154	11.01
7/25/2007 18:50	2.154	10.24
7/25/2007 18:55	2.155	9.5
7/25/2007 19:00	2.155	9.5
7/25/2007 19:05	2.155	9.5
7/25/2007 19:10	2.156	9.5
7/25/2007 19:15	2.155	11.12
7/25/2007 19:20	2.156	0.37
7/25/2007 19:25	2.156	0.62
7/25/2007 19:30	2.157	0.62
7/25/2007 19:35	2.158	0.62
7/25/2007 19:40	2.158	0.62
7/25/2007 19:45	2.158	0.62
7/25/2007 19:50	2.158	0.62
7/25/2007 19:55	2.158	0.62
7/25/2007 20:00	2.158	0.62

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/25/2007 20:05	2.159	0.62
7/25/2007 20:10	2.159	0.62
7/25/2007 20:15	2.16	0.62
7/25/2007 20:20	2.16	0.62
7/25/2007 20:25	2.16	0.62
7/25/2007 20:30	2.161	0.62
7/25/2007 20:35	2.161	0.62
7/25/2007 20:40	2.161	0.62
7/25/2007 20:45	2.161	0.62
7/25/2007 20:50	2.161	0.62
7/25/2007 20:55	2.161	0.62
7/25/2007 21:00	2.161	0.62
7/25/2007 21:05	2.162	0.62
7/25/2007 21:10	2.162	0.62
7/25/2007 21:15	2.162	0.62
7/25/2007 21:20	2.162	0.62
7/25/2007 21:25	2.162	0.62
7/25/2007 21:30	2.162	0.62
7/25/2007 21:35	2.162	0.62
7/25/2007 21:40	2.162	0.62
7/25/2007 21:45	2.162	0.62
7/25/2007 21:50	2.162	0.62
7/25/2007 21:55	2.162	0.62
7/25/2007 22:00	2.163	0.62
7/25/2007 22:05	2.163	0.62
7/25/2007 22:10	2.163	0.62
7/25/2007 22:15	2.163	0.62
7/25/2007 22:20	2.163	0.62
7/25/2007 22:25	2.163	0.62
7/25/2007 22:30	2.163	0.62
7/25/2007 22:35	2.163	0.62
7/25/2007 22:40	2.163	0.62
7/25/2007 22:45	2.164	0.62
7/25/2007 22:50	2.163	0.62
7/25/2007 22:55	2.164	0.62
7/25/2007 23:00	2.165	0.62
7/25/2007 23:05	2.164	0.62
7/25/2007 23:10	2.164	0.62
7/25/2007 23:15	2.164	0.62
7/25/2007 23:20	2.164	0.62
7/25/2007 23:25	2.165	0.62
7/25/2007 23:30	2.164	0.62
7/25/2007 23:35	2.164	0.62
7/25/2007 23:40	2.163	0.62
7/25/2007 23:45	2.163	0.62
7/25/2007 23:50	2.163	0.62
7/25/2007 23:55	2.164	0.62
7/26/2007 0:00	2.163	0.62

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/26/2007 0:05	2.163	0.62
7/26/2007 0:10	2.163	0.62
7/26/2007 0:15	2.164	0.62
7/26/2007 0:20	2.163	0.1
7/26/2007 0:25	2.163	0.1
7/26/2007 0:30	2.163	0.1
7/26/2007 0:35	2.163	0.1
7/26/2007 0:40	2.163	0.1
7/26/2007 0:45	2.163	0.1
7/26/2007 0:50	2.163	0.1
7/26/2007 0:55	2.163	0.1
7/26/2007 1:00	2.163	0.1
7/26/2007 1:05	2.163	0.1
7/26/2007 1:10	2.164	0.1
7/26/2007 1:15	2.163	0.1
7/26/2007 1:20	2.163	0.1
7/26/2007 1:25	2.163	0.1
7/26/2007 1:30	2.163	0.1
7/26/2007 1:35	2.163	0.1
7/26/2007 1:40	2.163	0.1
7/26/2007 1:45	2.163	0.1
7/26/2007 1:50	2.163	0.1
7/26/2007 1:55	2.163	0.1
7/26/2007 2:00	2.163	0.1
7/26/2007 2:05	2.163	0.1
7/26/2007 2:10	2.163	0.1
7/26/2007 2:15	2.163	0.1
7/26/2007 2:20	2.163	0.1
7/26/2007 2:25	2.161	0.1
7/26/2007 2:30	2.161	0.1
7/26/2007 2:35	2.157	0.1
7/26/2007 2:40	2.158	0.1
7/26/2007 2:45	2.164	0.1
7/26/2007 2:50	2.164	0.1
7/26/2007 2:55	2.164	0.1
7/26/2007 3:00	2.163	0.1
7/26/2007 3:05	2.163	0.1
7/26/2007 3:10	2.163	0.1
7/26/2007 3:15	2.163	0.1
7/26/2007 3:20	2.163	0.1
7/26/2007 3:25	2.163	0.1
7/26/2007 3:30	2.164	0.1
7/26/2007 3:35	2.164	0.1
7/26/2007 3:40	2.164	0.1
7/26/2007 3:45	2.164	0.1
7/26/2007 3:50	2.164	0.1
7/26/2007 3:55	2.164	0.1
7/26/2007 4:00	2.163	0.1

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/26/2007 4:05	2.164	0.1
7/26/2007 4:10	2.163	0.1
7/26/2007 4:15	2.163	0.1
7/26/2007 4:20	2.164	0.1
7/26/2007 4:25	2.164	0.1
7/26/2007 4:30	2.163	0.1
7/26/2007 4:35	2.163	0.1
7/26/2007 4:40	2.163	0.1
7/26/2007 4:45	2.163	0.1
7/26/2007 4:50	2.163	0.1
7/26/2007 4:55	2.163	0.1
7/26/2007 5:00	2.163	0.1
7/26/2007 5:05	2.163	0.1
7/26/2007 5:10	2.164	0.1
7/26/2007 5:15	2.163	0.1
7/26/2007 5:20	2.163	0.1
7/26/2007 5:25	2.163	0.1
7/26/2007 5:30	2.162	0.1
7/26/2007 5:35	2.162	0.1
7/26/2007 5:40	2.162	0.1
7/26/2007 5:45	2.164	0.1
7/26/2007 5:50	2.165	0.1
7/26/2007 5:55	2.165	0.1
7/26/2007 6:00	2.164	0.1
7/26/2007 6:05	2.164	0.1
7/26/2007 6:10	2.164	0.1
7/26/2007 6:15	2.164	0.1
7/26/2007 6:20	2.164	0.1
7/26/2007 6:25	2.164	0.1
7/26/2007 6:30	2.164	0.1
7/26/2007 6:35	2.164	0.1
7/26/2007 6:40	2.163	0.1
7/26/2007 6:45	2.163	0.1
7/26/2007 6:50	2.164	0.1
7/26/2007 6:55	2.163	0.1
7/26/2007 7:00	2.163	0.1
7/26/2007 7:05	2.163	0.1
7/26/2007 7:10	2.163	0.1
7/26/2007 7:15	2.162	0.1
7/26/2007 7:20	2.162	0.1
7/26/2007 7:25	2.162	0.1
7/26/2007 7:30	2.162	0.1
7/26/2007 7:35	2.163	0.1
7/26/2007 7:40	2.163	0.1
7/26/2007 7:45	2.162	0.1
7/26/2007 7:50	2.162	0.1
7/26/2007 7:55	2.162	0.1
7/26/2007 8:00	2.163	0.1

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/26/2007 8:05	2.162	0.1
7/26/2007 8:10	2.162	0.1
7/26/2007 8:15	2.161	0.1
7/26/2007 8:20	2.161	0.1
7/26/2007 8:25	2.161	0.1
7/26/2007 8:30	2.161	0.1
7/26/2007 8:35	2.161	0.1
7/26/2007 8:40	2.162	0.1
7/26/2007 8:45	2.161	0.1
7/26/2007 8:50	2.161	0.1
7/26/2007 8:55	2.16	0.1
7/26/2007 9:00	2.161	0.1
7/26/2007 9:05	2.16	0.1
7/26/2007 9:10	2.16	7.77
7/26/2007 9:15	2.159	7.77
7/26/2007 9:20	2.162	9.13
7/26/2007 9:25	2.16	9.13
7/26/2007 9:30	2.158	12.58
7/26/2007 9:35	2.158	12.06
7/26/2007 9:40	2.158	7.83
7/26/2007 9:45	2.158	7.58
7/26/2007 9:50	2.157	7.58
7/26/2007 9:55	2.156	7.58
7/26/2007 10:00	2.156	7.58
7/26/2007 10:05	2.156	7.58
7/26/2007 10:10	2.155	10.41
7/26/2007 10:15	2.155	10.45
7/26/2007 10:20	2.155	13.89
7/26/2007 10:25	2.156	12.98
7/26/2007 10:30	2.155	11.19
7/26/2007 10:35	2.154	12.98
7/26/2007 10:40	2.155	12.74
7/26/2007 10:45	2.154	12.39
7/26/2007 10:50	2.153	8.94
7/26/2007 10:55	2.154	11.12
7/26/2007 11:00	2.152	12.35
7/26/2007 11:05	2.152	11.92
7/26/2007 11:10	2.152	11.92
7/26/2007 11:15	2.152	11.92
7/26/2007 11:20	2.151	11.92
7/26/2007 11:25	2.15	0.12
7/26/2007 11:30	2.149	0.12
7/26/2007 11:35	2.149	0.1
7/26/2007 11:40	2.149	0.1
7/26/2007 11:45	2.148	0.1
7/26/2007 11:50	2.148	0.1
7/26/2007 11:55	2.147	0.1
7/26/2007 12:00	2.147	0.1

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UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/26/2007 12:05	2.146	0.1
7/26/2007 12:10	2.146	0.12
7/26/2007 12:15	2.145	0.12
7/26/2007 12:20	2.144	0.12
7/26/2007 12:25	2.144	0.12
7/26/2007 12:30	2.143	0.12
7/26/2007 12:35	2.143	0.12
7/26/2007 12:40	2.142	0.12
7/26/2007 12:45	2.142	0.12
7/26/2007 12:50	2.142	0.1
7/26/2007 12:55	2.141	0.1
7/26/2007 13:00	2.141	0.09
7/26/2007 13:05	2.14	0.1
7/26/2007 13:10	2.14	0.11
7/26/2007 13:15	2.139	0.09
7/26/2007 13:20	2.14	0.09
7/26/2007 13:25	2.139	0.09
7/26/2007 13:30	2.138	10.61
7/26/2007 13:35	2.137	7.53
7/26/2007 13:40	2.137	8.21
7/26/2007 13:45	2.137	8.21
7/26/2007 13:50	2.136	10.61
7/26/2007 13:55	2.136	12.06
7/26/2007 14:00	2.136	12.06
7/26/2007 14:05	2.135	12.06
7/26/2007 14:10	2.135	9.76
7/26/2007 14:15	2.135	9.76
7/26/2007 14:20	2.135	9.76
7/26/2007 14:25	2.134	9.76
7/26/2007 14:30	2.134	9.76
7/26/2007 14:35	2.134	9.76
7/26/2007 14:40	2.134	9.76
7/26/2007 14:45	2.134	9.76
7/26/2007 14:50	2.134	9.76
7/26/2007 14:55	2.134	9.76
7/26/2007 15:00	2.133	9.76
7/26/2007 15:05	2.132	9.76
7/26/2007 15:10	2.132	9.76
7/26/2007 15:15	2.133	9.76
7/26/2007 15:20	2.132	9.76
7/26/2007 15:25	2.132	9.76
7/26/2007 15:30	2.131	9.76
7/26/2007 15:35	2.131	9.76
7/26/2007 15:40	2.131	9.76
7/26/2007 15:45	2.131	9.76
7/26/2007 15:50	2.131	9.76
7/26/2007 15:55	2.132	9.76
7/26/2007 16:00	2.131	9.76

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/26/2007 16:05	2.13	9.76
7/26/2007 16:10	2.131	9.76
7/26/2007 16:15	2.13	9.76
7/26/2007 16:20	2.13	9.76
7/26/2007 16:25	2.131	9.76
7/26/2007 16:30	2.131	9.76
7/26/2007 16:35	2.13	9.76
7/26/2007 16:40	2.131	9.76
7/26/2007 16:45	2.131	9.76
7/26/2007 16:50	2.131	9.76
7/26/2007 16:55	2.131	9.76
7/26/2007 17:00	2.131	9.76
7/26/2007 17:05	2.131	9.76
7/26/2007 17:10	2.131	9.76
7/26/2007 17:15	2.131	9.76
7/26/2007 17:20	2.131	9.76
7/26/2007 17:25	2.131	9.76
7/26/2007 17:30	2.132	9.76
7/26/2007 17:35	2.132	0.1
7/26/2007 17:40	2.132	0.1
7/26/2007 17:45	2.132	0.1
7/26/2007 17:50	2.132	0.1
7/26/2007 17:55	2.133	0.1
7/26/2007 18:00	2.133	0.1
7/26/2007 18:05	2.134	0.1
7/26/2007 18:10	2.134	0.1
7/26/2007 18:15	2.134	0.1
7/26/2007 18:20	2.134	0.08
7/26/2007 18:25	2.134	0.08
7/26/2007 18:30	2.135	0.08
7/26/2007 18:35	2.135	0.08
7/26/2007 18:40	2.135	0.08
7/26/2007 18:45	2.136	0.44
7/26/2007 18:50	2.134	0.44
7/26/2007 18:55	2.134	0.44
7/26/2007 19:00	2.135	0.44
7/26/2007 19:05	2.135	0.44
7/26/2007 19:10	2.136	0.44
7/26/2007 19:15	2.135	0.44
7/26/2007 19:20	2.133	0.44
7/26/2007 19:25	2.132	0.44
7/26/2007 19:30	2.133	0.44
7/26/2007 19:35	2.134	0.2
7/26/2007 19:40	2.135	0.2
7/26/2007 19:45	2.136	0.2
7/26/2007 19:50	2.136	0.2
7/26/2007 19:55	2.138	0.2
7/26/2007 20:00	2.137	0.2

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/26/2007 20:05	2.137	0.2
7/26/2007 20:10	2.138	0.2
7/26/2007 20:15	2.138	11.83
7/26/2007 20:20	2.139	9.06
7/26/2007 20:25	2.139	9.06
7/26/2007 20:30	2.139	9.06
7/26/2007 20:35	2.139	9.06
7/26/2007 20:40	2.139	11.14
7/26/2007 20:45	2.139	11.14
7/26/2007 20:50	2.139	11.14
7/26/2007 20:55	2.139	11.14
7/26/2007 21:00	2.139	11.14
7/26/2007 21:05	2.139	11.14
7/26/2007 21:10	2.14	8.35
7/26/2007 21:15	2.14	10.68
7/26/2007 21:20	2.139	10.68
7/26/2007 21:25	2.14	10.68
7/26/2007 21:30	2.14	10.68
7/26/2007 21:35	2.14	10.68
7/26/2007 21:40	2.14	10.68
7/26/2007 21:45	2.14	10.68
7/26/2007 21:50	2.14	7.41
7/26/2007 21:55	2.14	7.41
7/26/2007 22:00	2.139	7.41
7/26/2007 22:05	2.139	7.41
7/26/2007 22:10	2.14	7.41
7/26/2007 22:15	2.14	7.41
7/26/2007 22:20	2.145	7.41
7/26/2007 22:25	2.145	7.41
7/26/2007 22:30	2.144	7.41
7/26/2007 22:35	2.142	7.41
7/26/2007 22:40	2.141	7.41
7/26/2007 22:45	2.14	7.41
7/26/2007 22:50	2.14	7.41
7/26/2007 22:55	2.14	7.41
7/26/2007 23:00	2.14	7.41
7/26/2007 23:05	2.14	7.41
7/26/2007 23:10	2.14	7.41
7/26/2007 23:15	2.14	7.41
7/26/2007 23:20	2.14	7.41
7/26/2007 23:25	2.14	7.41
7/26/2007 23:30	2.14	7.41
7/26/2007 23:35	2.14	7.41
7/26/2007 23:40	2.14	7.41
7/26/2007 23:45	2.141	7.41
7/26/2007 23:50	2.141	7.41
7/26/2007 23:55	2.141	7.41
7/27/2007 0:00	2.141	7.41



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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/27/2007 0:05	2.141	7.41
7/27/2007 0:10	2.141	7.41
7/27/2007 0:15	2.142	7.41
7/27/2007 0:20	2.142	7.41
7/27/2007 0:25	2.142	7.41
7/27/2007 0:30	2.142	7.41
7/27/2007 0:35	2.142	7.41
7/27/2007 0:40	2.143	7.41
7/27/2007 0:45	2.143	7.41
7/27/2007 0:50	2.143	7.41
7/27/2007 0:55	2.143	7.41
7/27/2007 1:00	2.143	7.41
7/27/2007 1:05	2.144	7.41
7/27/2007 1:10	2.143	7.41
7/27/2007 1:15	2.144	7.41
7/27/2007 1:20	2.144	7.41
7/27/2007 1:25	2.144	7.41
7/27/2007 1:30	2.144	7.41
7/27/2007 1:35	2.144	7.41
7/27/2007 1:40	2.144	7.41
7/27/2007 1:45	2.144	7.41
7/27/2007 1:50	2.145	7.41
7/27/2007 1:55	2.146	7.41
7/27/2007 2:00	2.146	7.41
7/27/2007 2:05	2.146	7.41
7/27/2007 2:10	2.145	7.41
7/27/2007 2:15	2.144	7.41
7/27/2007 2:20	2.144	7.41
7/27/2007 2:25	2.144	7.41
7/27/2007 2:30	2.144	7.41
7/27/2007 2:35	2.145	7.41
7/27/2007 2:40	2.144	7.41
7/27/2007 2:45	2.144	7.41
7/27/2007 2:50	2.144	7.41
7/27/2007 2:55	2.145	7.41
7/27/2007 3:00	2.145	7.41
7/27/2007 3:05	2.146	7.41
7/27/2007 3:10	2.146	7.41
7/27/2007 3:15	2.146	7.41
7/27/2007 3:20	2.146	7.41
7/27/2007 3:25	2.146	7.41
7/27/2007 3:30	2.146	7.41
7/27/2007 3:35	2.146	7.41
7/27/2007 3:40	2.146	7.41
7/27/2007 3:45	2.146	7.41
7/27/2007 3:50	2.146	7.41
7/27/2007 3:55	2.147	7.41
7/27/2007 4:00	2.147	7.41

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/27/2007 4:05	2.147	7.41
7/27/2007 4:10	2.147	7.41
7/27/2007 4:15	2.146	7.41
7/27/2007 4:20	2.146	7.41
7/27/2007 4:25	2.147	7.41
7/27/2007 4:30	2.148	7.41
7/27/2007 4:35	2.149	7.41
7/27/2007 4:40	2.149	7.41
7/27/2007 4:45	2.149	7.41
7/27/2007 4:50	2.15	7.41
7/27/2007 4:55	2.15	7.41
7/27/2007 5:00	2.151	7.41
7/27/2007 5:05	2.151	7.41
7/27/2007 5:10	2.151	7.41
7/27/2007 5:15	2.151	7.41
7/27/2007 5:20	2.152	7.41
7/27/2007 5:25	2.153	7.41
7/27/2007 5:30	2.153	7.41
7/27/2007 5:35	2.153	7.41
7/27/2007 5:40	2.154	7.41
7/27/2007 5:45	2.154	7.41
7/27/2007 5:50	2.154	7.41
7/27/2007 5:55	2.154	7.41
7/27/2007 6:00	2.155	7.41
7/27/2007 6:05	2.155	7.41
7/27/2007 6:10	2.155	7.41
7/27/2007 6:15	2.155	7.41
7/27/2007 6:20	2.154	7.41
7/27/2007 6:25	2.154	7.41
7/27/2007 6:30	2.154	7.41
7/27/2007 6:35	2.154	7.41
7/27/2007 6:40	2.154	7.41
7/27/2007 6:45	2.155	7.41
7/27/2007 6:50	2.154	7.41
7/27/2007 6:55	2.155	7.41
7/27/2007 7:00	2.155	7.41
7/27/2007 7:05	2.155	7.41
7/27/2007 7:10	2.154	7.41
7/27/2007 7:15	2.155	7.41
7/27/2007 7:20	2.155	6.65
7/27/2007 7:25	2.154	6.65
7/27/2007 7:30	2.154	6.65
7/27/2007 7:35	2.154	6.65
7/27/2007 7:40	2.154	6.65
7/27/2007 7:45	2.154	6.65
7/27/2007 7:50	2.154	6.65
7/27/2007 7:55	2.154	6.65
7/27/2007 8:00	2.154	6.65

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/27/2007 8:05	2.153	6.65
7/27/2007 8:10	2.153	6.65
7/27/2007 8:15	2.153	6.65
7/27/2007 8:20	2.153	7.74
7/27/2007 8:25	2.152	7.21
7/27/2007 8:30	2.153	7.21
7/27/2007 8:35	2.152	7.21
7/27/2007 8:40	2.152	7.21
7/27/2007 8:45	2.152	7.21
7/27/2007 8:50	2.151	7.21
7/27/2007 8:55	2.151	7.21
7/27/2007 9:00	2.15	7.21
7/27/2007 9:05	2.151	7.21
7/27/2007 9:10	2.15	7.21
7/27/2007 9:15	2.149	7.21
7/27/2007 9:20	2.15	7.21
7/27/2007 9:25	2.149	7.21
7/27/2007 9:30	2.148	12.01
7/27/2007 9:35	2.148	9.11
7/27/2007 9:40	2.147	12.12
7/27/2007 9:45	2.148	12.12
7/27/2007 9:50	2.147	12.12
7/27/2007 9:55	2.146	12.12
7/27/2007 10:00	2.146	12.12
7/27/2007 10:05	2.146	1.11
7/27/2007 10:10	2.146	1.18
7/27/2007 10:15	2.145	1.18
7/27/2007 10:20	2.145	1.18
7/27/2007 10:25	2.144	1.18
7/27/2007 10:30	2.144	1.18
7/27/2007 10:35	2.143	0.15
7/27/2007 10:40	2.143	0.11
7/27/2007 10:45	2.143	0.11
7/27/2007 10:50	2.143	0.11
7/27/2007 10:55	2.143	0.11
7/27/2007 11:00	2.143	0.13
7/27/2007 11:05	2.142	0.13
7/27/2007 11:10	2.141	0.13
7/27/2007 11:15	2.141	7.78
7/27/2007 11:20	2.141	7.78
7/27/2007 11:25	2.141	7.78
7/27/2007 11:30	2.14	7.78
7/27/2007 11:35	2.139	7.78
7/27/2007 11:40	2.139	7.78
7/27/2007 11:45	2.138	7.78
7/27/2007 11:50	2.137	7.78
7/27/2007 11:55	2.136	11.1
7/27/2007 12:00	2.136	11.1

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/27/2007 12:05	2.135	11.78
7/27/2007 12:10	2.134	11.99
7/27/2007 12:15	2.134	9.22
7/27/2007 12:20	2.133	9.22
7/27/2007 12:25	2.133	9.22
7/27/2007 12:30	2.131	9.22
7/27/2007 12:35	2.13	9.22
7/27/2007 12:40	2.129	9.22
7/27/2007 12:45	2.129	9.22
7/27/2007 12:50	2.13	9.22
7/27/2007 12:55	2.128	9.22
7/27/2007 13:00	2.127	9.22
7/27/2007 13:05	2.127	9.22
7/27/2007 13:10	2.127	9.22
7/27/2007 13:15	2.127	9.22
7/27/2007 13:20	2.126	9.22
7/27/2007 13:25	2.127	9.22
7/27/2007 13:30	2.125	9.22
7/27/2007 13:35	2.124	9.22
7/27/2007 13:40	2.124	9.22
7/27/2007 13:45	2.123	9.22
7/27/2007 13:50	2.122	9.22
7/27/2007 13:55	2.121	9.22
7/27/2007 14:00	2.12	9.22
7/27/2007 14:05	2.119	9.22
7/27/2007 14:10	2.119	9.22
7/27/2007 14:15	2.119	9.22
7/27/2007 14:20	2.119	0.1
7/27/2007 14:25	2.118	0.09
7/27/2007 14:30	2.117	0.09
7/27/2007 14:35	2.117	0.09
7/27/2007 14:40	2.116	0.09
7/27/2007 14:45	2.116	0.11
7/27/2007 14:50	2.117	0.11
7/27/2007 14:55	2.116	0.11
7/27/2007 15:00	2.115	0.12
7/27/2007 15:05	2.115	0.12
7/27/2007 15:10	2.115	0.12
7/27/2007 15:15	2.115	0.12
7/27/2007 15:20	2.116	0.12
7/27/2007 15:25	2.114	0.12
7/27/2007 15:30	2.114	0.12
7/27/2007 15:35	2.114	0.12
7/27/2007 15:40	2.114	0.12
7/27/2007 15:45	2.112	0.12
7/27/2007 15:50	2.114	0.12
7/27/2007 15:55	2.113	0.12
7/27/2007 16:00	2.112	0.12

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/27/2007 16:05	2.113	0.12
7/27/2007 16:10	2.113	0.12
7/27/2007 16:15	2.113	0.12
7/27/2007 16:20	2.113	0.12
7/27/2007 16:25	2.114	0.12
7/27/2007 16:30	2.113	0.12
7/27/2007 16:35	2.113	0.12
7/27/2007 16:40	2.112	0.12
7/27/2007 16:45	2.113	0.12
7/27/2007 16:50	2.112	0.12
7/27/2007 16:55	2.112	0.12
7/27/2007 17:00	2.112	0.12
7/27/2007 17:05	2.113	0.12
7/27/2007 17:10	2.113	0.12
7/27/2007 17:15	2.113	0.12
7/27/2007 17:20	2.112	0.12
7/27/2007 17:25	2.112	0.12
7/27/2007 17:30	2.112	0.12
7/27/2007 17:35	2.112	0.12
7/27/2007 17:40	2.113	0.12
7/27/2007 17:45	2.113	0.12
7/27/2007 17:50	2.113	0.12
7/27/2007 17:55	2.113	0.12
7/27/2007 18:00	2.113	0.12
7/27/2007 18:05	2.113	0.12
7/27/2007 18:10	2.114	0.12
7/27/2007 18:15	2.114	0.12
7/27/2007 18:20	2.114	0.12
7/27/2007 18:25	2.114	0.12
7/27/2007 18:30	2.114	0.12
7/27/2007 18:35	2.114	0.12
7/27/2007 18:40	2.115	0.12
7/27/2007 18:45	2.114	0.12
7/27/2007 18:50	2.114	0.12
7/27/2007 18:55	2.114	0.12
7/27/2007 19:00	2.114	0.5
7/27/2007 19:05	2.114	0.5
7/27/2007 19:10	2.113	0.5
7/27/2007 19:15	2.114	0.5
7/27/2007 19:20	2.113	0.5
7/27/2007 19:25	2.114	0.5
7/27/2007 19:30	2.115	0.5
7/27/2007 19:35	2.113	0.5
7/27/2007 19:40	2.113	0.5
7/27/2007 19:45	2.113	0.5
7/27/2007 19:50	2.114	0.5
7/27/2007 19:55	2.115	0.07
7/27/2007 20:00	2.114	0.07

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UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/27/2007 20:05	2.114	0.07
7/27/2007 20:10	2.114	0.07
7/27/2007 20:15	2.114	0.07
7/27/2007 20:20	2.115	0.07
7/27/2007 20:25	2.114	0.07
7/27/2007 20:30	2.114	0.07
7/27/2007 20:35	2.114	0.07
7/27/2007 20:40	2.114	0.07
7/27/2007 20:45	2.114	0.07
7/27/2007 20:50	2.114	0.07
7/27/2007 20:55	2.114	0.07
7/27/2007 21:00	2.114	0.07
7/27/2007 21:05	2.114	0.07
7/27/2007 21:10	2.114	0.07
7/27/2007 21:15	2.114	0.07
7/27/2007 21:20	2.114	0.07
7/27/2007 21:25	2.114	0.07
7/27/2007 21:30	2.113	0.07
7/27/2007 21:35	2.114	0.07
7/27/2007 21:40	2.114	0.07
7/27/2007 21:45	2.114	0.07
7/27/2007 21:50	2.115	0.11
7/27/2007 21:55	2.14	0.11
7/27/2007 22:00	2.232	0.12
7/27/2007 22:05	2.238	0.12
7/27/2007 22:10	2.217	0.14
7/27/2007 22:15	2.195	0.13
7/27/2007 22:20	2.178	0.12
7/27/2007 22:25	2.164	0.12
7/27/2007 22:30	2.154	0.12
7/27/2007 22:35	2.146	0.12
7/27/2007 22:40	2.14	0.12
7/27/2007 22:45	2.136	0.12
7/27/2007 22:50	2.133	0.12
7/27/2007 22:55	2.131	0.12
7/27/2007 23:00	2.129	0.12
7/27/2007 23:05	2.128	0.12
7/27/2007 23:10	2.127	0.12
7/27/2007 23:15	2.126	0.12
7/27/2007 23:20	2.125	0.12
7/27/2007 23:25	2.125	0.12
7/27/2007 23:30	2.125	0.12
7/27/2007 23:35	2.125	0.12
7/27/2007 23:40	2.125	0.12
7/27/2007 23:45	2.125	0.12
7/27/2007 23:50	2.125	0.12
7/27/2007 23:55	2.125	0.12
7/28/2007 0:00	2.125	0.12

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UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/28/2007 0:05	2.125	0.12
7/28/2007 0:10	2.125	0.12
7/28/2007 0:15	2.125	0.12
7/28/2007 0:20	2.126	0.12
7/28/2007 0:25	2.126	0.12
7/28/2007 0:30	2.126	0.12
7/28/2007 0:35	2.127	0.12
7/28/2007 0:40	2.127	0.12
7/28/2007 0:45	2.127	0.12
7/28/2007 0:50	2.127	0.12
7/28/2007 0:55	2.127	0.12
7/28/2007 1:00	2.127	0.12
7/28/2007 1:05	2.127	0.12
7/28/2007 1:10	2.128	0.12
7/28/2007 1:15	2.128	0.12
7/28/2007 1:20	2.128	0.12
7/28/2007 1:25	2.128	0.12
7/28/2007 1:30	2.128	0.12
7/28/2007 1:35	2.128	0.12
7/28/2007 1:40	2.127	0.12
7/28/2007 1:45	2.127	0.12
7/28/2007 1:50	2.127	0.12
7/28/2007 1:55	2.128	0.12
7/28/2007 2:00	2.128	0.12
7/28/2007 2:05	2.128	0.12
7/28/2007 2:10	2.128	0.12
7/28/2007 2:15	2.129	0.12
7/28/2007 2:20	2.132	0.12
7/28/2007 2:25	2.134	0.12
7/28/2007 2:30	2.135	0.12
7/28/2007 2:35	2.137	0.12
7/28/2007 2:40	2.138	0.12
7/28/2007 2:45	2.14	0.12
7/28/2007 2:50	2.141	0.12
7/28/2007 2:55	2.141	0.12
7/28/2007 3:00	2.141	0.12
7/28/2007 3:05	2.14	0.12
7/28/2007 3:10	2.139	0.12
7/28/2007 3:15	2.138	0.12
7/28/2007 3:20	2.136	0.12
7/28/2007 3:25	2.135	0.12
7/28/2007 3:30	2.134	0.12
7/28/2007 3:35	2.134	0.12
7/28/2007 3:40	2.132	0.12
7/28/2007 3:45	2.132	0.12
7/28/2007 3:50	2.131	0.12
7/28/2007 3:55	2.131	0.12
7/28/2007 4:00	2.131	0.12

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/28/2007 4:05	2.13	0.12
7/28/2007 4:10	2.13	0.12
7/28/2007 4:15	2.13	0.12
7/28/2007 4:20	2.13	0.12
7/28/2007 4:25	2.13	0.12
7/28/2007 4:30	2.13	0.12
7/28/2007 4:35	2.13	0.12
7/28/2007 4:40	2.13	0.12
7/28/2007 4:45	2.13	0.12
7/28/2007 4:50	2.131	0.07
7/28/2007 4:55	2.132	0.07
7/28/2007 5:00	2.131	0.07
7/28/2007 5:05	2.131	0.07
7/28/2007 5:10	2.131	0.07
7/28/2007 5:15	2.131	0.07
7/28/2007 5:20	2.131	0.07
7/28/2007 5:25	2.135	0.07
7/28/2007 5:30	2.182	0.16
7/28/2007 5:35	2.214	0.16
7/28/2007 5:40	2.216	0.16
7/28/2007 5:45	2.382	0.22
7/28/2007 5:50	2.586	0.39
7/28/2007 5:55	2.604	0.47
7/28/2007 6:00	2.541	0.38
7/28/2007 6:05	2.46	0.27
7/28/2007 6:10	2.475	0.33
7/28/2007 6:15	2.501	0.34
7/28/2007 6:20	2.461	0.3
7/28/2007 6:25	2.41	0.24
7/28/2007 6:30	2.378	0.23
7/28/2007 6:35	2.471	0.33
7/28/2007 6:40	2.578	0.41
7/28/2007 6:45	2.742	0.52
7/28/2007 6:50	2.789	0.6
7/28/2007 6:55	2.714	0.59
7/28/2007 7:00	2.61	0.43
7/28/2007 7:05	2.524	0.34
7/28/2007 7:10	2.458	0.27
7/28/2007 7:15	2.409	0.25
7/28/2007 7:20	2.379	0.25
7/28/2007 7:25	2.36	0.25
7/28/2007 7:30	2.345	0.19
7/28/2007 7:35	2.334	0.16
7/28/2007 7:40	2.326	0.16
7/28/2007 7:45	2.321	0.15
7/28/2007 7:50	2.318	0.16
7/28/2007 7:55	2.316	0.16
7/28/2007 8:00	2.315	0.16



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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/28/2007 8:05	2.314	0.17
7/28/2007 8:10	2.314	0.17
7/28/2007 8:15	2.314	0.17
7/28/2007 8:20	2.315	0.17
7/28/2007 8:25	2.315	0.17
7/28/2007 8:30	2.316	0.17
7/28/2007 8:35	2.318	0.17
7/28/2007 8:40	2.319	0.17
7/28/2007 8:45	2.32	0.18
7/28/2007 8:50	2.321	0.18
7/28/2007 8:55	2.321	0.18
7/28/2007 9:00	2.322	0.18
7/28/2007 9:05	2.322	0.18
7/28/2007 9:10	2.322	0.18
7/28/2007 9:15	2.323	0.18
7/28/2007 9:20	2.323	0.18
7/28/2007 9:25	2.323	0.16
7/28/2007 9:30	2.323	0.16
7/28/2007 9:35	2.323	0.16
7/28/2007 9:40	2.322	0.16
7/28/2007 9:45	2.322	0.16
7/28/2007 9:50	2.323	0.16
7/28/2007 9:55	2.321	0.17
7/28/2007 10:00	2.321	0.17
7/28/2007 10:05	2.321	0.17
7/28/2007 10:10	2.325	0.17
7/28/2007 10:15	2.631	0.43
7/28/2007 10:20	2.854	0.64
7/28/2007 10:25	2.926	0.76
7/28/2007 10:30	2.88	0.76
7/28/2007 10:35	2.791	0.61
7/28/2007 10:40	2.685	0.55
7/28/2007 10:45	2.597	0.47
7/28/2007 10:50	2.529	0.35
7/28/2007 10:55	2.481	0.31
7/28/2007 11:00	2.452	0.26
7/28/2007 11:05	2.433	0.22
7/28/2007 11:10	2.418	0.23
7/28/2007 11:15	2.408	0.24
7/28/2007 11:20	2.4	0.21
7/28/2007 11:25	2.394	0.21
7/28/2007 11:30	2.39	0.22
7/28/2007 11:35	2.387	0.22
7/28/2007 11:40	2.385	0.22
7/28/2007 11:45	2.384	0.21
7/28/2007 11:50	2.383	0.21
7/28/2007 11:55	2.382	0.21
7/28/2007 12:00	2.382	0.21

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/28/2007 12:05	2.382	0.21
7/28/2007 12:10	2.382	0.17
7/28/2007 12:15	2.382	0.17
7/28/2007 12:20	2.382	0.17
7/28/2007 12:25	2.382	0.26
7/28/2007 12:30	2.383	0.26
7/28/2007 12:35	2.383	0.26
7/28/2007 12:40	2.383	0.22
7/28/2007 12:45	2.383	0.22
7/28/2007 12:50	2.382	0.22
7/28/2007 12:55	2.382	0.21
7/28/2007 13:00	2.381	0.23
7/28/2007 13:05	2.381	0.23
7/28/2007 13:10	2.38	0.21
7/28/2007 13:15	2.38	0.26
7/28/2007 13:20	2.379	0.19
7/28/2007 13:25	2.378	0.22
7/28/2007 13:30	2.375	0.19
7/28/2007 13:35	2.375	0.2
7/28/2007 13:40	2.373	0.23
7/28/2007 13:45	2.372	0.21
7/28/2007 13:50	2.372	0.21
7/28/2007 13:55	2.371	0.21
7/28/2007 14:00	2.37	0.2
7/28/2007 14:05	2.368	0.2
7/28/2007 14:10	2.367	0.22
7/28/2007 14:15	2.365	0.2
7/28/2007 14:20	2.365	0.2
7/28/2007 14:25	2.362	0.21
7/28/2007 14:30	2.36	0.21
7/28/2007 14:35	2.358	0.2
7/28/2007 14:40	2.357	0.19
7/28/2007 14:45	2.356	0.19
7/28/2007 14:50	2.354	0.18
7/28/2007 14:55	2.353	0.19
7/28/2007 15:00	2.351	7.15
7/28/2007 15:05	2.35	7.15
7/28/2007 15:10	2.348	7.15
7/28/2007 15:15	2.347	7.15
7/28/2007 15:20	2.345	7.15
7/28/2007 15:25	2.344	7.15
7/28/2007 15:30	2.342	7.15
7/28/2007 15:35	2.341	7.15
7/28/2007 15:40	2.34	7.15
7/28/2007 15:45	2.338	0.16
7/28/2007 15:50	2.336	0.16
7/28/2007 15:55	2.335	0.16
7/28/2007 16:00	2.334	0.16

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/28/2007 16:05	2.333	0.16
7/28/2007 16:10	2.33	0.16
7/28/2007 16:15	2.329	0.16
7/28/2007 16:20	2.328	0.16
7/28/2007 16:25	2.327	0.19
7/28/2007 16:30	2.326	0.19
7/28/2007 16:35	2.325	0.19
7/28/2007 16:40	2.323	0.19
7/28/2007 16:45	2.323	0.19
7/28/2007 16:50	2.321	0.19
7/28/2007 16:55	2.32	0.17
7/28/2007 17:00	2.319	0.16
7/28/2007 17:05	2.318	0.16
7/28/2007 17:10	2.317	0.18
7/28/2007 17:15	2.316	0.18
7/28/2007 17:20	2.315	0.16
7/28/2007 17:25	2.314	0.17
7/28/2007 17:30	2.313	0.17
7/28/2007 17:35	2.311	0.17
7/28/2007 17:40	2.31	0.17
7/28/2007 17:45	2.31	0.17
7/28/2007 17:50	2.309	0.18
7/28/2007 17:55	2.308	0.18
7/28/2007 18:00	2.307	0.18
7/28/2007 18:05	2.307	0.18
7/28/2007 18:10	2.305	0.23
7/28/2007 18:15	2.304	0.23
7/28/2007 18:20	2.304	0.17
7/28/2007 18:25	2.303	0.18
7/28/2007 18:30	2.303	0.18
7/28/2007 18:35	2.302	0.18
7/28/2007 18:40	2.301	0.16
7/28/2007 18:45	2.3	0.16
7/28/2007 18:50	2.3	0.15
7/28/2007 18:55	2.299	0.17
7/28/2007 19:00	2.298	0.17
7/28/2007 19:05	2.298	0.17
7/28/2007 19:10	2.297	0.17
7/28/2007 19:15	2.296	0.17
7/28/2007 19:20	2.296	0.17
7/28/2007 19:25	2.295	0.17
7/28/2007 19:30	2.294	0.17
7/28/2007 19:35	2.294	0.17
7/28/2007 19:40	2.293	0.17
7/28/2007 19:45	2.292	0.17
7/28/2007 19:50	2.292	0.17
7/28/2007 19:55	2.292	0.17
7/28/2007 20:00	2.291	0.17

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/28/2007 20:05	2.29	0.17
7/28/2007 20:10	2.29	0.17
7/28/2007 20:15	2.289	0.17
7/28/2007 20:20	2.289	0.15
7/28/2007 20:25	2.288	0.15
7/28/2007 20:30	2.287	0.15
7/28/2007 20:35	2.287	0.15
7/28/2007 20:40	2.286	0.16
7/28/2007 20:45	2.285	0.16
7/28/2007 20:50	2.284	0.16
7/28/2007 20:55	2.283	0.16
7/28/2007 21:00	2.282	0.16
7/28/2007 21:05	2.281	0.16
7/28/2007 21:10	2.28	0.16
7/28/2007 21:15	2.279	0.16
7/28/2007 21:20	2.279	0.16
7/28/2007 21:25	2.277	0.16
7/28/2007 21:30	2.277	0.16
7/28/2007 21:35	2.276	0.16
7/28/2007 21:40	2.274	0.16
7/28/2007 21:45	2.274	0.16
7/28/2007 21:50	2.273	0.16
7/28/2007 21:55	2.273	0.16
7/28/2007 22:00	2.272	0.16
7/28/2007 22:05	2.271	0.16
7/28/2007 22:10	2.271	0.16
7/28/2007 22:15	2.27	0.16
7/28/2007 22:20	2.269	0.16
7/28/2007 22:25	2.269	0.16
7/28/2007 22:30	2.268	0.16
7/28/2007 22:35	2.268	0.16
7/28/2007 22:40	2.267	0.16
7/28/2007 22:45	2.267	0.16
7/28/2007 22:50	2.267	9.87
7/28/2007 22:55	2.266	9.87
7/28/2007 23:00	2.266	9.87
7/28/2007 23:05	2.266	9.87
7/28/2007 23:10	2.265	9.87
7/28/2007 23:15	2.265	9.87
7/28/2007 23:20	2.265	9.87
7/28/2007 23:25	2.264	9.87
7/28/2007 23:30	2.264	9.87
7/28/2007 23:35	2.264	9.87
7/28/2007 23:40	2.263	9.87
7/28/2007 23:45	2.263	9.87
7/28/2007 23:50	2.263	9.87
7/28/2007 23:55	2.262	9.87
7/29/2007 0:00	2.262	9.87

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/29/2007 0:05	2.261	9.87
7/29/2007 0:10	2.26	9.87
7/29/2007 0:15	2.26	9.87
7/29/2007 0:20	2.259	9.87
7/29/2007 0:25	2.259	9.87
7/29/2007 0:30	2.259	9.87
7/29/2007 0:35	2.259	9.87
7/29/2007 0:40	2.258	9.87
7/29/2007 0:45	2.257	9.87
7/29/2007 0:50	2.257	9.87
7/29/2007 0:55	2.257	9.87
7/29/2007 1:00	2.256	9.87
7/29/2007 1:05	2.255	9.87
7/29/2007 1:10	2.255	9.87
7/29/2007 1:15	2.255	9.87
7/29/2007 1:20	2.255	9.87
7/29/2007 1:25	2.254	9.87
7/29/2007 1:30	2.254	9.87
7/29/2007 1:35	2.254	9.87
7/29/2007 1:40	2.253	9.87
7/29/2007 1:45	2.253	9.87
7/29/2007 1:50	2.253	9.87
7/29/2007 1:55	2.252	9.87
7/29/2007 2:00	2.252	9.87
7/29/2007 2:05	2.252	9.87
7/29/2007 2:10	2.251	9.87
7/29/2007 2:15	2.251	9.87
7/29/2007 2:20	2.251	9.87
7/29/2007 2:25	2.25	9.87
7/29/2007 2:30	2.25	9.87
7/29/2007 2:35	2.25	9.87
7/29/2007 2:40	2.249	9.87
7/29/2007 2:45	2.249	9.87
7/29/2007 2:50	2.249	9.87
7/29/2007 2:55	2.249	9.87
7/29/2007 3:00	2.25	9.87
7/29/2007 3:05	2.25	9.87
7/29/2007 3:10	2.25	9.87
7/29/2007 3:15	2.249	9.87
7/29/2007 3:20	2.249	9.87
7/29/2007 3:25	2.249	9.87
7/29/2007 3:30	2.249	9.87
7/29/2007 3:35	2.249	9.87
7/29/2007 3:40	2.248	9.87
7/29/2007 3:45	2.248	9.87
7/29/2007 3:50	2.248	7.42
7/29/2007 3:55	2.247	7.42
7/29/2007 4:00	2.247	6.97

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/29/2007 4:05	2.247	6.97
7/29/2007 4:10	2.247	6.97
7/29/2007 4:15	2.247	6.97
7/29/2007 4:20	2.246	6.97
7/29/2007 4:25	2.246	6.97
7/29/2007 4:30	2.246	6.97
7/29/2007 4:35	2.246	6.97
7/29/2007 4:40	2.245	0.14
7/29/2007 4:45	2.244	0.14
7/29/2007 4:50	2.245	0.14
7/29/2007 4:55	2.245	0.14
7/29/2007 5:00	2.245	0.14
7/29/2007 5:05	2.245	0.14
7/29/2007 5:10	2.244	0.16
7/29/2007 5:15	2.244	0.16
7/29/2007 5:20	2.243	0.16
7/29/2007 5:25	2.243	0.14
7/29/2007 5:30	2.243	0.14
7/29/2007 5:35	2.243	0.14
7/29/2007 5:40	2.242	0.14
7/29/2007 5:45	2.242	0.14
7/29/2007 5:50	2.243	0.14
7/29/2007 5:55	2.243	0.14
7/29/2007 6:00	2.242	0.14
7/29/2007 6:05	2.243	0.14
7/29/2007 6:10	2.242	0.14
7/29/2007 6:15	2.242	0.14
7/29/2007 6:20	2.242	0.14
7/29/2007 6:25	2.243	0.16
7/29/2007 6:30	2.243	0.16
7/29/2007 6:35	2.243	0.16
7/29/2007 6:40	2.243	0.16
7/29/2007 6:45	2.242	0.16
7/29/2007 6:50	2.242	0.16
7/29/2007 6:55	2.242	0.16
7/29/2007 7:00	2.242	0.16
7/29/2007 7:05	2.242	0.16
7/29/2007 7:10	2.242	0.16
7/29/2007 7:15	2.242	0.16
7/29/2007 7:20	2.242	0.16
7/29/2007 7:25	2.241	0.16
7/29/2007 7:30	2.241	0.16
7/29/2007 7:35	2.241	0.16
7/29/2007 7:40	2.241	0.16
7/29/2007 7:45	2.24	0.16
7/29/2007 7:50	2.24	0.14
7/29/2007 7:55	2.24	0.14
7/29/2007 8:00	2.239	0.14

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/29/2007 8:05	2.24	0.14
7/29/2007 8:10	2.239	0.14
7/29/2007 8:15	2.239	0.14
7/29/2007 8:20	2.239	0.14
7/29/2007 8:25	2.238	0.14
7/29/2007 8:30	2.238	0.14
7/29/2007 8:35	2.238	0.13
7/29/2007 8:40	2.237	0.13
7/29/2007 8:45	2.237	0.13
7/29/2007 8:50	2.237	0.13
7/29/2007 8:55	2.236	0.13
7/29/2007 9:00	2.236	0.12
7/29/2007 9:05	2.236	0.12
7/29/2007 9:10	2.235	0.12
7/29/2007 9:15	2.236	0.12
7/29/2007 9:20	2.235	0.12
7/29/2007 9:25	2.236	0.21
7/29/2007 9:30	2.235	0.21
7/29/2007 9:35	2.235	0.21
7/29/2007 9:40	2.233	0.21
7/29/2007 9:45	2.232	0.21
7/29/2007 9:50	2.232	0.21
7/29/2007 9:55	2.232	0.21
7/29/2007 10:00	2.232	0.13
7/29/2007 10:05	2.231	0.13
7/29/2007 10:10	2.231	0.13
7/29/2007 10:15	2.23	0.13
7/29/2007 10:20	2.229	0.13
7/29/2007 10:25	2.228	0.18
7/29/2007 10:30	2.228	0.17
7/29/2007 10:35	2.228	0.17
7/29/2007 10:40	2.227	0.17
7/29/2007 10:45	2.227	0.16
7/29/2007 10:50	2.227	0.13
7/29/2007 10:55	2.226	0.13
7/29/2007 11:00	2.226	0.13
7/29/2007 11:05	2.225	0.13
7/29/2007 11:10	2.224	0.13
7/29/2007 11:15	2.225	0.12
7/29/2007 11:20	2.224	0.13
7/29/2007 11:25	2.223	0.13
7/29/2007 11:30	2.223	0.13
7/29/2007 11:35	2.222	0.13
7/29/2007 11:40	2.222	0.14
7/29/2007 11:45	2.222	0.14
7/29/2007 11:50	2.222	0.14
7/29/2007 11:55	2.221	0.14
7/29/2007 12:00	2.221	0.14

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/29/2007 12:05	2.22	0.14
7/29/2007 12:10	2.22	0.14
7/29/2007 12:15	2.219	0.14
7/29/2007 12:20	2.218	0.14
7/29/2007 12:25	2.218	0.14
7/29/2007 12:30	2.217	0.11
7/29/2007 12:35	2.217	0.13
7/29/2007 12:40	2.217	0.13
7/29/2007 12:45	2.216	0.13
7/29/2007 12:50	2.216	0.13
7/29/2007 12:55	2.216	0.13
7/29/2007 13:00	2.215	0.13
7/29/2007 13:05	2.214	0.13
7/29/2007 13:10	2.214	0.14
7/29/2007 13:15	2.214	0.13
7/29/2007 13:20	2.213	0.13
7/29/2007 13:25	2.212	0.13
7/29/2007 13:30	2.212	0.14
7/29/2007 13:35	2.212	0.14
7/29/2007 13:40	2.211	0.14
7/29/2007 13:45	2.211	0.14
7/29/2007 13:50	2.211	0.14
7/29/2007 13:55	2.21	0.14
7/29/2007 14:00	2.21	0.14
7/29/2007 14:05	2.209	0.14
7/29/2007 14:10	2.209	0.14
7/29/2007 14:15	2.208	0.13
7/29/2007 14:20	2.208	0.13
7/29/2007 14:25	2.208	0.13
7/29/2007 14:30	2.207	0.12
7/29/2007 14:35	2.207	0.12
7/29/2007 14:40	2.207	0.12
7/29/2007 14:45	2.206	0.12
7/29/2007 14:50	2.206	0.12
7/29/2007 14:55	2.205	0.12
7/29/2007 15:00	2.205	0.12
7/29/2007 15:05	2.205	0.14
7/29/2007 15:10	2.205	0.14
7/29/2007 15:15	2.204	0.12
7/29/2007 15:20	2.204	0.12
7/29/2007 15:25	2.203	0.12
7/29/2007 15:30	2.207	0.12
7/29/2007 15:35	2.204	0.12
7/29/2007 15:40	2.203	0.12
7/29/2007 15:45	2.203	0.12
7/29/2007 15:50	2.202	0.12
7/29/2007 15:55	2.202	0.12
7/29/2007 16:00	2.201	0.12



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UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/29/2007 16:05	2.201	0.12
7/29/2007 16:10	2.201	0.12
7/29/2007 16:15	2.201	0.12
7/29/2007 16:20	2.201	0.14
7/29/2007 16:25	2.201	0.14
7/29/2007 16:30	2.201	0.14
7/29/2007 16:35	2.2	0.14
7/29/2007 16:40	2.2	0.14
7/29/2007 16:45	2.2	0.14
7/29/2007 16:50	2.199	0.14
7/29/2007 16:55	2.199	0.14
7/29/2007 17:00	2.199	0.14
7/29/2007 17:05	2.199	0.14
7/29/2007 17:10	2.199	0.14
7/29/2007 17:15	2.199	0.14
7/29/2007 17:20	2.199	0.14
7/29/2007 17:25	2.199	0.14
7/29/2007 17:30	2.198	0.14
7/29/2007 17:35	2.198	0.14
7/29/2007 17:40	2.198	0.14
7/29/2007 17:45	2.198	0.14
7/29/2007 17:50	2.198	0.14
7/29/2007 17:55	2.198	0.14
7/29/2007 18:00	2.198	0.14
7/29/2007 18:05	2.197	0.14
7/29/2007 18:10	2.197	0.14
7/29/2007 18:15	2.198	0.14
7/29/2007 18:20	2.197	0.14
7/29/2007 18:25	2.198	0.14
7/29/2007 18:30	2.197	0.14
7/29/2007 18:35	2.197	0.14
7/29/2007 18:40	2.197	0.14
7/29/2007 18:45	2.196	0.14
7/29/2007 18:50	2.197	0.14
7/29/2007 18:55	2.197	0.14
7/29/2007 19:00	2.197	0.14
7/29/2007 19:05	2.196	0.14
7/29/2007 19:10	2.196	0.14
7/29/2007 19:15	2.196	0.14
7/29/2007 19:20	2.196	0.14
7/29/2007 19:25	2.197	0.12
7/29/2007 19:30	2.196	0.12
7/29/2007 19:35	2.197	8.02
7/29/2007 19:40	2.197	0.11
7/29/2007 19:45	2.197	0.11
7/29/2007 19:50	2.197	0.11
7/29/2007 19:55	2.197	0.11
7/29/2007 20:00	2.197	0.11

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/29/2007 20:05	2.197	0.11
7/29/2007 20:10	2.197	0.11
7/29/2007 20:15	2.197	0.11
7/29/2007 20:20	2.198	0.11
7/29/2007 20:25	2.197	0.11
7/29/2007 20:30	2.198	0.11
7/29/2007 20:35	2.197	0.11
7/29/2007 20:40	2.197	0.11
7/29/2007 20:45	2.197	0.11
7/29/2007 20:50	2.197	0.11
7/29/2007 20:55	2.197	0.11
7/29/2007 21:00	2.198	0.11
7/29/2007 21:05	2.198	0.11
7/29/2007 21:10	2.198	0.11
7/29/2007 21:15	2.198	0.11
7/29/2007 21:20	2.198	0.11
7/29/2007 21:25	2.198	0.11
7/29/2007 21:30	2.198	0.11
7/29/2007 21:35	2.198	0.11
7/29/2007 21:40	2.198	0.11
7/29/2007 21:45	2.198	0.11
7/29/2007 21:50	2.198	0.11
7/29/2007 21:55	2.197	0.11
7/29/2007 22:00	2.198	0.11
7/29/2007 22:05	2.198	0.11
7/29/2007 22:10	2.197	0.11
7/29/2007 22:15	2.197	0.11
7/29/2007 22:20	2.197	0.11
7/29/2007 22:25	2.197	0.11
7/29/2007 22:30	2.197	0.11
7/29/2007 22:35	2.197	0.11
7/29/2007 22:40	2.197	0.11
7/29/2007 22:45	2.197	0.11
7/29/2007 22:50	2.197	0.11
7/29/2007 22:55	2.196	0.11
7/29/2007 23:00	2.197	0.11
7/29/2007 23:05	2.196	0.11
7/29/2007 23:10	2.196	0.11
7/29/2007 23:15	2.196	0.11
7/29/2007 23:20	2.196	0.11
7/29/2007 23:25	2.196	0.11
7/29/2007 23:30	2.196	0.11
7/29/2007 23:35	2.196	0.11
7/29/2007 23:40	2.196	0.11
7/29/2007 23:45	2.195	0.11
7/29/2007 23:50	2.195	0.11
7/29/2007 23:55	2.195	0.11
7/30/2007 0:00	2.195	0.11

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/30/2007 0:05	2.195	0.11
7/30/2007 0:10	2.194	0.11
7/30/2007 0:15	2.194	0.11
7/30/2007 0:20	2.194	0.11
7/30/2007 0:25	2.194	0.11
7/30/2007 0:30	2.194	0.11
7/30/2007 0:35	2.194	0.11
7/30/2007 0:40	2.194	0.11
7/30/2007 0:45	2.194	0.11
7/30/2007 0:50	2.194	0.11
7/30/2007 0:55	2.193	0.11
7/30/2007 1:00	2.192	0.11
7/30/2007 1:05	2.192	0.11
7/30/2007 1:10	2.191	0.11
7/30/2007 1:15	2.192	0.11
7/30/2007 1:20	2.191	0.11
7/30/2007 1:25	2.191	0.11
7/30/2007 1:30	2.19	0.11
7/30/2007 1:35	2.19	0.11
7/30/2007 1:40	2.19	0.11
7/30/2007 1:45	2.19	0.11
7/30/2007 1:50	2.189	0.11
7/30/2007 1:55	2.189	0.11
7/30/2007 2:00	2.187	0.11
7/30/2007 2:05	2.186	0.11
7/30/2007 2:10	2.186	0.11
7/30/2007 2:15	2.185	0.11
7/30/2007 2:20	2.185	0.11
7/30/2007 2:25	2.185	0.11
7/30/2007 2:30	2.185	0.11
7/30/2007 2:35	2.185	0.11
7/30/2007 2:40	2.185	0.11
7/30/2007 2:45	2.184	0.11
7/30/2007 2:50	2.184	0.11
7/30/2007 2:55	2.184	0.11
7/30/2007 3:00	2.184	0.11
7/30/2007 3:05	2.183	0.11
7/30/2007 3:10	2.183	0.11
7/30/2007 3:15	2.183	0.11
7/30/2007 3:20	2.183	0.13
7/30/2007 3:25	2.183	0.13
7/30/2007 3:30	2.183	0.13
7/30/2007 3:35	2.182	0.13
7/30/2007 3:40	2.182	0.13
7/30/2007 3:45	2.182	0.1
7/30/2007 3:50	2.181	0.1
7/30/2007 3:55	2.182	0.1
7/30/2007 4:00	2.182	0.1

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/30/2007 4:05	2.181	0.1
7/30/2007 4:10	2.181	0.1
7/30/2007 4:15	2.181	0.1
7/30/2007 4:20	2.18	0.11
7/30/2007 4:25	2.18	0.11
7/30/2007 4:30	2.18	0.11
7/30/2007 4:35	2.18	0.11
7/30/2007 4:40	2.18	0.11
7/30/2007 4:45	2.18	0.11
7/30/2007 4:50	2.18	0.11
7/30/2007 4:55	2.18	0.11
7/30/2007 5:00	2.179	0.11
7/30/2007 5:05	2.18	0.11
7/30/2007 5:10	2.179	0.11
7/30/2007 5:15	2.179	0.11
7/30/2007 5:20	2.179	0.15
7/30/2007 5:25	2.179	0.13
7/30/2007 5:30	2.18	0.13
7/30/2007 5:35	2.179	0.13
7/30/2007 5:40	2.179	0.13
7/30/2007 5:45	2.179	0.12
7/30/2007 5:50	2.18	0.12
7/30/2007 5:55	2.179	0.12
7/30/2007 6:00	2.179	0.12
7/30/2007 6:05	2.179	0.38
7/30/2007 6:10	2.179	0.38
7/30/2007 6:15	2.179	0.38
7/30/2007 6:20	2.179	0.38
7/30/2007 6:25	2.179	0.11
7/30/2007 6:30	2.18	6.41
7/30/2007 6:35	2.18	6.41
7/30/2007 6:40	2.179	9.05
7/30/2007 6:45	2.179	6.8
7/30/2007 6:50	2.18	8.67
7/30/2007 6:55	2.179	8.67
7/30/2007 7:00	2.179	8.67
7/30/2007 7:05	2.179	8.67
7/30/2007 7:10	2.178	8.5
7/30/2007 7:15	2.178	8.5
7/30/2007 7:20	2.178	0.11
7/30/2007 7:25	2.178	0.11
7/30/2007 7:30	2.178	0.11
7/30/2007 7:35	2.177	0.11
7/30/2007 7:40	2.178	0.11
7/30/2007 7:45	2.177	0.11
7/30/2007 7:50	2.177	0.11
7/30/2007 7:55	2.177	0.11
7/30/2007 8:00	2.177	0.11

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/30/2007 8:05	2.177	0.11
7/30/2007 8:10	2.177	0.11
7/30/2007 8:15	2.176	0.11
7/30/2007 8:20	2.176	0.11
7/30/2007 8:25	2.175	0.1
7/30/2007 8:30	2.174	0.1
7/30/2007 8:35	2.175	0.1
7/30/2007 8:40	2.174	0.12
7/30/2007 8:45	2.174	0.12
7/30/2007 8:50	2.173	0.12
7/30/2007 8:55	2.173	0.12
7/30/2007 9:00	2.172	0.12
7/30/2007 9:05	2.172	0.12
7/30/2007 9:10	2.172	0.12
7/30/2007 9:15	2.171	0.12
7/30/2007 9:20	2.172	0.12
7/30/2007 9:25	2.171	0.12
7/30/2007 9:30	2.171	11.3
7/30/2007 9:35	2.17	12.86
7/30/2007 9:40	2.17	12.86
7/30/2007 9:45	2.17	12.86
7/30/2007 9:50	2.169	12.86
7/30/2007 9:55	2.168	12.86
7/30/2007 10:00	2.168	12.86
7/30/2007 10:05	2.168	12.86
7/30/2007 10:10	2.168	1.07
7/30/2007 10:15	2.167	1.07
7/30/2007 10:20	2.166	0.11
7/30/2007 10:25	2.166	0.1
7/30/2007 10:30	2.166	0.1
7/30/2007 10:35	2.166	-15.35
7/30/2007 10:40	2.166	-14.14
7/30/2007 10:45	2.166	0.11
7/30/2007 10:50	2.166	0.11
7/30/2007 10:55	2.166	0.11
7/30/2007 11:00	2.165	0.11
7/30/2007 11:05	2.163	0.11
7/30/2007 11:10	2.163	0.11
7/30/2007 11:15	2.162	0.11
7/30/2007 11:20	2.161	0.11
7/30/2007 11:25	2.161	0.1
7/30/2007 11:30	2.16	0.1
7/30/2007 11:35	2.16	0.1
7/30/2007 11:40	2.159	0.1
7/30/2007 11:45	2.16	0.1
7/30/2007 11:50	2.16	0.1
7/30/2007 11:55	2.159	9.06
7/30/2007 12:00	2.158	11.6

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/30/2007 12:05	2.158	11.86
7/30/2007 12:10	2.157	11.86
7/30/2007 12:15	2.157	11.05
7/30/2007 12:20	2.156	10.28
7/30/2007 12:25	2.156	10.28
7/30/2007 12:30	2.156	10.28
7/30/2007 12:35	2.155	10.28
7/30/2007 12:40	2.154	10.28
7/30/2007 12:45	2.154	10.28
7/30/2007 12:50	2.154	10.28
7/30/2007 12:55	2.153	10.28
7/30/2007 13:00	2.153	10.28
7/30/2007 13:05	2.153	10.28
7/30/2007 13:10	2.153	10.28
7/30/2007 13:15	2.152	10.28
7/30/2007 13:20	2.151	10.28
7/30/2007 13:25	2.149	10.28
7/30/2007 13:30	2.149	10.28
7/30/2007 13:35	2.15	10.28
7/30/2007 13:40	2.149	10.28
7/30/2007 13:45	2.149	10.28
7/30/2007 13:50	2.148	10.28
7/30/2007 13:55	2.147	10.28
7/30/2007 14:00	2.148	10.28
7/30/2007 14:05	2.147	10.28
7/30/2007 14:10	2.146	10.28
7/30/2007 14:15	2.146	10.28
7/30/2007 14:20	2.146	10.28
7/30/2007 14:25	2.146	10.28
7/30/2007 14:30	2.145	10.28
7/30/2007 14:35	2.144	10.28
7/30/2007 14:40	2.145	10.28
7/30/2007 14:45	2.145	10.28
7/30/2007 14:50	2.144	10.28
7/30/2007 14:55	2.144	10.28
7/30/2007 15:00	2.144	10.28
7/30/2007 15:05	2.143	10.28
7/30/2007 15:10	2.142	10.28
7/30/2007 15:15	2.142	10.28
7/30/2007 15:20	2.141	10.28
7/30/2007 15:25	2.142	10.28
7/30/2007 15:30	2.142	10.28
7/30/2007 15:35	2.142	10.28
7/30/2007 15:40	2.141	10.28
7/30/2007 15:45	2.141	10.28
7/30/2007 15:50	2.141	10.28
7/30/2007 15:55	2.14	10.28
7/30/2007 16:00	2.141	10.28

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/30/2007 16:05	2.141	10.28
7/30/2007 16:10	2.141	10.28
7/30/2007 16:15	2.141	10.28
7/30/2007 16:20	2.14	10.28
7/30/2007 16:25	2.14	10.28
7/30/2007 16:30	2.139	10.28
7/30/2007 16:35	2.14	10.28
7/30/2007 16:40	2.139	10.28
7/30/2007 16:45	2.139	10.28
7/30/2007 16:50	2.139	10.28
7/30/2007 16:55	2.139	10.28
7/30/2007 17:00	2.138	10.28
7/30/2007 17:05	2.139	10.28
7/30/2007 17:10	2.139	10.28
7/30/2007 17:15	2.14	10.28
7/30/2007 17:20	2.14	10.28
7/30/2007 17:25	2.14	10.28
7/30/2007 17:30	2.14	10.28
7/30/2007 17:35	2.14	10.28
7/30/2007 17:40	2.14	10.28
7/30/2007 17:45	2.14	10.28
7/30/2007 17:50	2.141	10.28
7/30/2007 17:55	2.14	10.28
7/30/2007 18:00	2.141	10.28
7/30/2007 18:05	2.141	10.28
7/30/2007 18:10	2.14	10.28
7/30/2007 18:15	2.141	10.28
7/30/2007 18:20	2.141	10.28
7/30/2007 18:25	2.141	10.28
7/30/2007 18:30	2.14	10.28
7/30/2007 18:35	2.141	10.28
7/30/2007 18:40	2.141	10.28
7/30/2007 18:45	2.141	10.28
7/30/2007 18:50	2.141	10.28
7/30/2007 18:55	2.141	10.28
7/30/2007 19:00	2.141	10.28
7/30/2007 19:05	2.141	10.28
7/30/2007 19:10	2.141	10.28
7/30/2007 19:15	2.141	10.28
7/30/2007 19:20	2.141	10.28
7/30/2007 19:25	2.141	10.28
7/30/2007 19:30	2.141	10.28
7/30/2007 19:35	2.14	10.28
7/30/2007 19:40	2.141	10.28
7/30/2007 19:45	2.14	10.28
7/30/2007 19:50	2.141	10.28
7/30/2007 19:55	2.141	10.28
7/30/2007 20:00	2.142	10.28

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/30/2007 20:05	2.142	10.28
7/30/2007 20:10	2.142	10.28
7/30/2007 20:15	2.142	10.28
7/30/2007 20:20	2.142	10.28
7/30/2007 20:25	2.143	10.28
7/30/2007 20:30	2.143	10.28
7/30/2007 20:35	2.143	10.28
7/30/2007 20:40	2.143	10.28
7/30/2007 20:45	2.143	8.32
7/30/2007 20:50	2.143	8.32
7/30/2007 20:55	2.143	8.32
7/30/2007 21:00	2.143	8.32
7/30/2007 21:05	2.144	8.32
7/30/2007 21:10	2.143	8.32
7/30/2007 21:15	2.143	8.32
7/30/2007 21:20	2.144	8.32
7/30/2007 21:25	2.144	8.32
7/30/2007 21:30	2.144	8.32
7/30/2007 21:35	2.145	8.32
7/30/2007 21:40	2.145	8.32
7/30/2007 21:45	2.145	8.32
7/30/2007 21:50	2.145	8.32
7/30/2007 21:55	2.145	0.09
7/30/2007 22:00	2.144	0.09
7/30/2007 22:05	2.145	0.08
7/30/2007 22:10	2.144	0.08
7/30/2007 22:15	2.145	0.08
7/30/2007 22:20	2.144	0.08
7/30/2007 22:25	2.144	0.08
7/30/2007 22:30	2.144	0.08
7/30/2007 22:35	2.145	0.08
7/30/2007 22:40	2.145	0.08
7/30/2007 22:45	2.145	0.08
7/30/2007 22:50	2.145	0.08
7/30/2007 22:55	2.145	0.08
7/30/2007 23:00	2.145	0.08
7/30/2007 23:05	2.145	0.08
7/30/2007 23:10	2.145	0.08
7/30/2007 23:15	2.145	0.08
7/30/2007 23:20	2.145	0.08
7/30/2007 23:25	2.145	0.08
7/30/2007 23:30	2.145	0.08
7/30/2007 23:35	2.145	0.08
7/30/2007 23:40	2.146	0.08
7/30/2007 23:45	2.145	0.08
7/30/2007 23:50	2.146	0.08
7/30/2007 23:55	2.146	0.08
7/31/2007 0:00	2.146	0.08



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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/31/2007 0:05	2.145	0.08
7/31/2007 0:10	2.145	0.08
7/31/2007 0:15	2.146	0.08
7/31/2007 0:20	2.146	0.08
7/31/2007 0:25	2.146	0.08
7/31/2007 0:30	2.146	0.08
7/31/2007 0:35	2.145	0.08
7/31/2007 0:40	2.146	0.08
7/31/2007 0:45	2.146	0.08
7/31/2007 0:50	2.146	0.08
7/31/2007 0:55	2.146	0.08
7/31/2007 1:00	2.146	0.08
7/31/2007 1:05	2.146	0.08
7/31/2007 1:10	2.146	0.08
7/31/2007 1:15	2.146	0.08
7/31/2007 1:20	2.146	0.08
7/31/2007 1:25	2.146	0.08
7/31/2007 1:30	2.146	0.08
7/31/2007 1:35	2.146	0.08
7/31/2007 1:40	2.146	0.08
7/31/2007 1:45	2.146	0.08
7/31/2007 1:50	2.146	0.08
7/31/2007 1:55	2.146	0.08
7/31/2007 2:00	2.145	0.08
7/31/2007 2:05	2.145	0.08
7/31/2007 2:10	2.145	0.08
7/31/2007 2:15	2.145	0.08
7/31/2007 2:20	2.145	0.08
7/31/2007 2:25	2.145	0.08
7/31/2007 2:30	2.145	0.08
7/31/2007 2:35	2.146	0.08
7/31/2007 2:40	2.145	0.08
7/31/2007 2:45	2.145	0.08
7/31/2007 2:50	2.145	0.08
7/31/2007 2:55	2.144	0.08
7/31/2007 3:00	2.144	0.08
7/31/2007 3:05	2.144	0.08
7/31/2007 3:10	2.144	0.08
7/31/2007 3:15	2.144	0.08
7/31/2007 3:20	2.144	0.08
7/31/2007 3:25	2.144	0.08
7/31/2007 3:30	2.144	0.08
7/31/2007 3:35	2.144	0.08
7/31/2007 3:40	2.144	0.08
7/31/2007 3:45	2.144	0.08
7/31/2007 3:50	2.145	0.08
7/31/2007 3:55	2.144	0.08
7/31/2007 4:00	2.144	0.08

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UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/31/2007 4:05	2.143	0.08
7/31/2007 4:10	2.145	0.08
7/31/2007 4:15	2.145	0.08
7/31/2007 4:20	2.145	0.08
7/31/2007 4:25	2.145	0.08
7/31/2007 4:30	2.145	0.08
7/31/2007 4:35	2.145	0.08
7/31/2007 4:40	2.146	0.08
7/31/2007 4:45	2.146	0.08
7/31/2007 4:50	2.145	0.09
7/31/2007 4:55	2.146	0.09
7/31/2007 5:00	2.146	0.09
7/31/2007 5:05	2.146	0.09
7/31/2007 5:10	2.146	0.09
7/31/2007 5:15	2.146	0.09
7/31/2007 5:20	2.146	0.09
7/31/2007 5:25	2.147	0.09
7/31/2007 5:30	2.147	0.09
7/31/2007 5:35	2.146	0.09
7/31/2007 5:40	2.146	0.09
7/31/2007 5:45	2.147	0.09
7/31/2007 5:50	2.147	0.09
7/31/2007 5:55	2.147	0.09
7/31/2007 6:00	2.147	0.09
7/31/2007 6:05	2.147	0.09
7/31/2007 6:10	2.148	0.09
7/31/2007 6:15	2.148	0.09
7/31/2007 6:20	2.148	0.09
7/31/2007 6:25	2.149	0.09
7/31/2007 6:30	2.148	0.09
7/31/2007 6:35	2.148	0.09
7/31/2007 6:40	2.148	0.09
7/31/2007 6:45	2.148	0.09
7/31/2007 6:50	2.148	0.09
7/31/2007 6:55	2.148	0.09
7/31/2007 7:00	2.148	0.09
7/31/2007 7:05	2.148	0.09
7/31/2007 7:10	2.148	0.09
7/31/2007 7:15	2.147	0.09
7/31/2007 7:20	2.147	0.09
7/31/2007 7:25	2.148	0.09
7/31/2007 7:30	2.148	0.09
7/31/2007 7:35	2.148	0.09
7/31/2007 7:40	2.149	0.09
7/31/2007 7:45	2.148	0.09
7/31/2007 7:50	2.149	0.09
7/31/2007 7:55	2.148	0.09
7/31/2007 8:00	2.148	0.09

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/31/2007 8:05	2.148	0.09
7/31/2007 8:10	2.148	0.09
7/31/2007 8:15	2.147	0.09
7/31/2007 8:20	2.147	0.09
7/31/2007 8:25	2.146	0.11
7/31/2007 8:30	2.146	0.11
7/31/2007 8:35	2.146	0.11
7/31/2007 8:40	2.146	0.11
7/31/2007 8:45	2.147	0.11
7/31/2007 8:50	2.145	0.11
7/31/2007 8:55	2.145	0.11
7/31/2007 9:00	2.145	0.11
7/31/2007 9:05	2.144	0.11
7/31/2007 9:10	2.144	6.41
7/31/2007 9:15	2.145	6.41
7/31/2007 9:20	2.144	10.31
7/31/2007 9:25	2.144	6.62
7/31/2007 9:30	2.144	6.66
7/31/2007 9:35	2.144	8.69
7/31/2007 9:40	2.142	8.69
7/31/2007 9:45	2.144	8.69
7/31/2007 9:50	2.142	8.69
7/31/2007 9:55	2.142	8.69
7/31/2007 10:00	2.141	8.69
7/31/2007 10:05	2.141	8.69
7/31/2007 10:10	2.14	11.29
7/31/2007 10:15	2.14	11.29
7/31/2007 10:20	2.141	11.33
7/31/2007 10:25	2.14	11.33
7/31/2007 10:30	2.139	11.33
7/31/2007 10:35	2.138	11.33
7/31/2007 10:40	2.138	1.14
7/31/2007 10:45	2.137	1.14
7/31/2007 10:50	2.137	0.1
7/31/2007 10:55	2.137	0.1
7/31/2007 11:00	2.137	0.1
7/31/2007 11:05	2.136	0.1
7/31/2007 11:10	2.137	0.09
7/31/2007 11:15	2.135	0.09
7/31/2007 11:20	2.134	0.1
7/31/2007 11:25	2.134	0.1
7/31/2007 11:30	2.133	0.1
7/31/2007 11:35	2.133	0.1
7/31/2007 11:40	2.132	0.1
7/31/2007 11:45	2.133	0.11
7/31/2007 11:50	2.131	0.11
7/31/2007 11:55	2.131	0.11
7/31/2007 12:00	2.131	0.11

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UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/31/2007 12:05	2.131	0.1
7/31/2007 12:10	2.13	11.76
7/31/2007 12:15	2.128	11.76
7/31/2007 12:20	2.128	11.62
7/31/2007 12:25	2.127	11.62
7/31/2007 12:30	2.128	6.68
7/31/2007 12:35	2.127	6.68
7/31/2007 12:40	2.126	6.39
7/31/2007 12:45	2.126	6.39
7/31/2007 12:50	2.125	6.39
7/31/2007 12:55	2.125	6.39
7/31/2007 13:00	2.124	6.39
7/31/2007 13:05	2.124	6.39
7/31/2007 13:10	2.123	6.39
7/31/2007 13:15	2.123	6.39
7/31/2007 13:20	2.124	6.39
7/31/2007 13:25	2.124	6.39
7/31/2007 13:30	2.122	6.39
7/31/2007 13:35	2.121	6.39
7/31/2007 13:40	2.12	6.39
7/31/2007 13:45	2.121	6.39
7/31/2007 13:50	2.121	6.39
7/31/2007 13:55	2.12	6.39
7/31/2007 14:00	2.121	6.39
7/31/2007 14:05	2.119	6.39
7/31/2007 14:10	2.119	6.39
7/31/2007 14:15	2.118	6.39
7/31/2007 14:20	2.118	8.9
7/31/2007 14:25	2.118	9.37
7/31/2007 14:30	2.117	9.37
7/31/2007 14:35	2.117	9.37
7/31/2007 14:40	2.115	9.37
7/31/2007 14:45	2.116	9.37
7/31/2007 14:50	2.116	9.37
7/31/2007 14:55	2.116	9.37
7/31/2007 15:00	2.115	9.37
7/31/2007 15:05	2.115	9.37
7/31/2007 15:10	2.115	9.37
7/31/2007 15:15	2.115	9.37
7/31/2007 15:20	2.115	9.37
7/31/2007 15:25	2.115	9.37
7/31/2007 15:30	2.115	9.37
7/31/2007 15:35	2.114	9.37
7/31/2007 15:40	2.116	9.37
7/31/2007 15:45	2.114	9.37
7/31/2007 15:50	2.113	9.37
7/31/2007 15:55	2.113	9.37
7/31/2007 16:00	2.113	9.37

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/31/2007 16:05	2.113	9.37
7/31/2007 16:10	2.112	9.37
7/31/2007 16:15	2.112	9.37
7/31/2007 16:20	2.112	9.37
7/31/2007 16:25	2.112	9.37
7/31/2007 16:30	2.113	9.37
7/31/2007 16:35	2.112	9.37
7/31/2007 16:40	2.113	9.37
7/31/2007 16:45	2.112	9.37
7/31/2007 16:50	2.113	9.37
7/31/2007 16:55	2.113	9.37
7/31/2007 17:00	2.113	9.37
7/31/2007 17:05	2.113	9.37
7/31/2007 17:10	2.113	9.37
7/31/2007 17:15	2.113	9.37
7/31/2007 17:20	2.113	9.37
7/31/2007 17:25	2.113	9.37
7/31/2007 17:30	2.113	9.37
7/31/2007 17:35	2.113	9.37
7/31/2007 17:40	2.114	9.37
7/31/2007 17:45	2.114	9.37
7/31/2007 17:50	2.114	9.37
7/31/2007 17:55	2.115	9.37
7/31/2007 18:00	2.115	9.37
7/31/2007 18:05	2.114	9.37
7/31/2007 18:10	2.115	9.37
7/31/2007 18:15	2.115	9.37
7/31/2007 18:20	2.115	9.37
7/31/2007 18:25	2.115	9.37
7/31/2007 18:30	2.115	9.37
7/31/2007 18:35	2.114	9.37
7/31/2007 18:40	2.114	9.37
7/31/2007 18:45	2.114	9.37
7/31/2007 18:50	2.115	9.37
7/31/2007 18:55	2.115	9.37
7/31/2007 19:00	2.115	9.37
7/31/2007 19:05	2.115	9.37
7/31/2007 19:10	2.115	9.37
7/31/2007 19:15	2.115	9.37
7/31/2007 19:20	2.115	9.37
7/31/2007 19:25	2.116	0.07
7/31/2007 19:30	2.116	0.08
7/31/2007 19:35	2.116	0.08
7/31/2007 19:40	2.116	0.08
7/31/2007 19:45	2.116	0.08
7/31/2007 19:50	2.117	0.08
7/31/2007 19:55	2.117	0.08
7/31/2007 20:00	2.118	0.08

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
7/31/2007 20:05	2.118	0.08
7/31/2007 20:10	2.118	0.08
7/31/2007 20:15	2.119	0.08
7/31/2007 20:20	2.119	0.08
7/31/2007 20:25	2.119	0.08
7/31/2007 20:30	2.12	0.08
7/31/2007 20:35	2.12	0.08
7/31/2007 20:40	2.12	0.08
7/31/2007 20:45	2.12	0.08
7/31/2007 20:50	2.12	0.08
7/31/2007 20:55	2.12	0.08
7/31/2007 21:00	2.12	0.08
7/31/2007 21:05	2.12	0.1
7/31/2007 21:10	2.12	0.1
7/31/2007 21:15	2.12	0.1
7/31/2007 21:20	2.121	0.1
7/31/2007 21:25	2.121	0.1
7/31/2007 21:30	2.12	0.1
7/31/2007 21:35	2.12	0.09
7/31/2007 21:40	2.12	0.09
7/31/2007 21:45	2.12	0.09
7/31/2007 21:50	2.121	0.09
7/31/2007 21:55	2.121	0.09
7/31/2007 22:00	2.121	0.09
7/31/2007 22:05	2.121	0.09
7/31/2007 22:10	2.121	0.09
7/31/2007 22:15	2.121	0.09
7/31/2007 22:20	2.122	11.32
7/31/2007 22:25	2.122	11.32
7/31/2007 22:30	2.122	11.32
7/31/2007 22:35	2.122	0.06
7/31/2007 22:40	2.122	0.06
7/31/2007 22:45	2.122	0.06
7/31/2007 22:50	2.123	0.06
7/31/2007 22:55	2.123	0.06
7/31/2007 23:00	2.123	0.06
7/31/2007 23:05	2.123	0.06
7/31/2007 23:10	2.123	0.06
7/31/2007 23:15	2.123	0.06
7/31/2007 23:20	2.123	0.06
7/31/2007 23:25	2.123	0.06
7/31/2007 23:30	2.124	0.06
7/31/2007 23:35	2.124	0.06
7/31/2007 23:40	2.124	0.06
7/31/2007 23:45	2.124	0.06
7/31/2007 23:50	2.124	0.06
7/31/2007 23:55	2.125	0.06
8/1/2007 0:00	2.125	0.06

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/1/2007 0:05	2.125	0.06
8/1/2007 0:10	2.124	0.06
8/1/2007 0:15	2.124	0.06
8/1/2007 0:20	2.124	0.06
8/1/2007 0:25	2.123	0.06
8/1/2007 0:30	2.123	0.06
8/1/2007 0:35	2.122	-1.04
8/1/2007 0:40	2.122	-1.04
8/1/2007 0:45	2.122	-1.04
8/1/2007 0:50	2.121	-1.04
8/1/2007 0:55	2.121	-1.04
8/1/2007 1:00	2.122	0.09
8/1/2007 1:05	2.121	7.5
8/1/2007 1:10	2.121	7.5
8/1/2007 1:15	2.121	7.5
8/1/2007 1:20	2.121	7.5
8/1/2007 1:25	2.12	7.5
8/1/2007 1:30	2.12	7.5
8/1/2007 1:35	2.119	7.5
8/1/2007 1:40	2.119	7.5
8/1/2007 1:45	2.119	7.5
8/1/2007 1:50	2.118	7.5
8/1/2007 1:55	2.118	7.5
8/1/2007 2:00	2.117	7.5
8/1/2007 2:05	2.117	7.5
8/1/2007 2:10	2.117	7.5
8/1/2007 2:15	2.116	7.5
8/1/2007 2:20	2.116	7.5
8/1/2007 2:25	2.115	7.5
8/1/2007 2:30	2.115	7.5
8/1/2007 2:35	2.115	7.5
8/1/2007 2:40	2.115	7.5
8/1/2007 2:45	2.114	7.5
8/1/2007 2:50	2.113	7.5
8/1/2007 2:55	2.113	7.5
8/1/2007 3:00	2.113	7.5
8/1/2007 3:05	2.112	7.5
8/1/2007 3:10	2.112	7.5
8/1/2007 3:15	2.112	7.5
8/1/2007 3:20	2.111	7.5
8/1/2007 3:25	2.11	7.5
8/1/2007 3:30	2.111	7.5
8/1/2007 3:35	2.11	7.5
8/1/2007 3:40	2.11	7.5
8/1/2007 3:45	2.11	7.5
8/1/2007 3:50	2.109	7.5
8/1/2007 3:55	2.109	7.5
8/1/2007 4:00	2.109	7.5

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/1/2007 4:05	2.108	7.5
8/1/2007 4:10	2.108	7.5
8/1/2007 4:15	2.108	7.5
8/1/2007 4:20	2.108	7.5
8/1/2007 4:25	2.107	7.5
8/1/2007 4:30	2.107	7.5
8/1/2007 4:35	2.107	7.5
8/1/2007 4:40	2.107	7.5
8/1/2007 4:45	2.107	7.5
8/1/2007 4:50	2.106	7.5
8/1/2007 4:55	2.106	7.5
8/1/2007 5:00	2.107	7.5
8/1/2007 5:05	2.107	7.5
8/1/2007 5:10	2.107	7.5
8/1/2007 5:15	2.106	7.5
8/1/2007 5:20	2.106	7.5
8/1/2007 5:25	2.107	7.5
8/1/2007 5:30	2.106	7.5
8/1/2007 5:35	2.106	7.5
8/1/2007 5:40	2.107	7.5
8/1/2007 5:45	2.106	7.5
8/1/2007 5:50	2.106	7.5
8/1/2007 5:55	2.106	7.5
8/1/2007 6:00	2.106	7.5
8/1/2007 6:05	2.105	7.5
8/1/2007 6:10	2.105	7.5
8/1/2007 6:15	2.106	7.5
8/1/2007 6:20	2.105	7.5
8/1/2007 6:25	2.105	7.5
8/1/2007 6:30	2.105	7.5
8/1/2007 6:35	2.105	7.5
8/1/2007 6:40	2.105	7.5
8/1/2007 6:45	2.104	7.5
8/1/2007 6:50	2.104	7.5
8/1/2007 6:55	2.104	6.22
8/1/2007 7:00	2.104	6.22
8/1/2007 7:05	2.104	6.22
8/1/2007 7:10	2.102	6.88
8/1/2007 7:15	2.103	7.52
8/1/2007 7:20	2.103	8.16
8/1/2007 7:25	2.103	8.16
8/1/2007 7:30	2.104	8.16
8/1/2007 7:35	2.103	8.16
8/1/2007 7:40	2.103	8.16
8/1/2007 7:45	2.103	8.16
8/1/2007 7:50	2.102	8.16
8/1/2007 7:55	2.102	8.16
8/1/2007 8:00	2.101	8.16



UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/1/2007 8:05	2.101	8.16
8/1/2007 8:10	2.1	8.16
8/1/2007 8:15	2.1	8.16
8/1/2007 8:20	2.099	6.41
8/1/2007 8:25	2.099	0.08
8/1/2007 8:30	2.098	0.08
8/1/2007 8:35	2.099	0.08
8/1/2007 8:40	2.098	0.08
8/1/2007 8:45	2.098	0.08
8/1/2007 8:50	2.097	0.08
8/1/2007 8:55	2.095	0.08
8/1/2007 9:00	2.095	0.08
8/1/2007 9:05	2.095	0.08
8/1/2007 9:10	2.095	9.91
8/1/2007 9:15	2.095	9.91
8/1/2007 9:20	2.094	6.54
8/1/2007 9:25	2.093	10.49
8/1/2007 9:30	2.092	10.49
8/1/2007 9:35	2.091	10.49
8/1/2007 9:40	2.092	10.49
8/1/2007 9:45	2.09	10.49
8/1/2007 9:50	2.09	10.49
8/1/2007 9:55	2.088	10.49
8/1/2007 10:00	2.088	10.49
8/1/2007 10:05	2.088	10.49
8/1/2007 10:10	2.087	8.32
8/1/2007 10:15	2.085	8.32
8/1/2007 10:20	2.082	10.84
8/1/2007 10:25	2.083	10.84
8/1/2007 10:30	2.083	0.2
8/1/2007 10:35	2.082	1.14
8/1/2007 10:40	2.08	1.11
8/1/2007 10:45	2.08	1.11
8/1/2007 10:50	2.078	1.11
8/1/2007 10:55	2.078	0.09
8/1/2007 11:00	2.077	0.09
8/1/2007 11:05	2.077	0.08
8/1/2007 11:10	2.077	0.09
8/1/2007 11:15	2.076	0.09
8/1/2007 11:20	2.075	0.09
8/1/2007 11:25	2.073	0.09
8/1/2007 11:30	2.073	0.09
8/1/2007 11:35	2.072	0.09
8/1/2007 11:40	2.072	0.09
8/1/2007 11:45	2.072	0.09
8/1/2007 11:50	2.071	0.1
8/1/2007 11:55	2.07	0.1
8/1/2007 12:00	2.069	0.12

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/1/2007 12:05	2.069	0.11
8/1/2007 12:10	2.069	0.11
8/1/2007 12:15	2.069	0.11
8/1/2007 12:20	2.067	0.11
8/1/2007 12:25	2.067	10.34
8/1/2007 12:30	2.067	11.76
8/1/2007 12:35	2.067	11.76
8/1/2007 12:40	2.066	10.28
8/1/2007 12:45	2.066	10.28
8/1/2007 12:50	2.064	10.28
8/1/2007 12:55	2.065	10.28
8/1/2007 13:00	2.064	0.11
8/1/2007 13:05	2.063	0.11
8/1/2007 13:10	2.062	0.12
8/1/2007 13:15	2.062	0.12
8/1/2007 13:20	2.06	0.12
8/1/2007 13:25	2.061	0.12
8/1/2007 13:30	2.06	0.12
8/1/2007 13:35	2.059	0.12
8/1/2007 13:40	2.06	0.12
8/1/2007 13:45	2.058	0.12
8/1/2007 13:50	2.059	0.12
8/1/2007 13:55	2.058	0.12
8/1/2007 14:00	2.058	0.12
8/1/2007 14:05	2.058	0.12
8/1/2007 14:10	2.058	0.12
8/1/2007 14:15	2.057	0.12
8/1/2007 14:20	2.056	0.12
8/1/2007 14:25	2.056	0.12
8/1/2007 14:30	2.056	0.12
8/1/2007 14:35	2.055	0.11
8/1/2007 14:40	2.055	0.08
8/1/2007 14:45	2.054	0.08
8/1/2007 14:50	2.053	0.08
8/1/2007 14:55	2.054	0.08
8/1/2007 15:00	2.055	0.08
8/1/2007 15:05	2.054	0.08
8/1/2007 15:10	2.055	0.08
8/1/2007 15:15	2.054	0.08
8/1/2007 15:20	2.053	0.08
8/1/2007 15:25	2.053	0.08
8/1/2007 15:30	2.052	0.08
8/1/2007 15:35	2.052	0.07
8/1/2007 15:40	2.052	0.07
8/1/2007 15:45	2.051	0.07
8/1/2007 15:50	2.052	0.07
8/1/2007 15:55	2.052	0.07
8/1/2007 16:00	2.051	0.07

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/1/2007 16:05	2.051	0.07
8/1/2007 16:10	2.05	0.07
8/1/2007 16:15	2.051	0.07
8/1/2007 16:20	2.05	0.07
8/1/2007 16:25	2.05	0.07
8/1/2007 16:30	2.05	0.07
8/1/2007 16:35	2.05	0.07
8/1/2007 16:40	2.05	0.07
8/1/2007 16:45	2.05	0.07
8/1/2007 16:50	2.049	0.07
8/1/2007 16:55	2.049	0.07
8/1/2007 17:00	2.049	0.07
8/1/2007 17:05	2.049	0.07
8/1/2007 17:10	2.05	0.07
8/1/2007 17:15	2.05	0.07
8/1/2007 17:20	2.05	0.07
8/1/2007 17:25	2.05	0.07
8/1/2007 17:30	2.05	0.07
8/1/2007 17:35	2.05	0.07
8/1/2007 17:40	2.05	0.07
8/1/2007 17:45	2.051	0.07
8/1/2007 17:50	2.05	0.07
8/1/2007 17:55	2.05	0.07
8/1/2007 18:00	2.051	0.07
8/1/2007 18:05	2.051	0.07
8/1/2007 18:10	2.051	0.07
8/1/2007 18:15	2.052	0.07
8/1/2007 18:20	2.051	0.07
8/1/2007 18:25	2.051	0.07
8/1/2007 18:30	2.051	0.07
8/1/2007 18:35	2.051	0.07
8/1/2007 18:40	2.051	0.07
8/1/2007 18:45	2.051	0.07
8/1/2007 18:50	2.051	0.07
8/1/2007 18:55	2.051	0.09
8/1/2007 19:00	2.052	0.09
8/1/2007 19:05	2.051	0.09
8/1/2007 19:10	2.051	0.09
8/1/2007 19:15	2.052	0.09
8/1/2007 19:20	2.052	0.09
8/1/2007 19:25	2.052	0.06
8/1/2007 19:30	2.052	0.06
8/1/2007 19:35	2.052	0.06
8/1/2007 19:40	2.053	0.06
8/1/2007 19:45	2.053	0.06
8/1/2007 19:50	2.053	0.06
8/1/2007 19:55	2.053	0.06
8/1/2007 20:00	2.053	0.06

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/1/2007 20:05	2.054	0.06
8/1/2007 20:10	2.054	0.06
8/1/2007 20:15	2.054	0.47
8/1/2007 20:20	2.054	0.47
8/1/2007 20:25	2.055	0.47
8/1/2007 20:30	2.055	0.47
8/1/2007 20:35	2.056	0.47
8/1/2007 20:40	2.056	0.47
8/1/2007 20:45	2.056	0.47
8/1/2007 20:50	2.056	0.47
8/1/2007 20:55	2.057	0.47
8/1/2007 21:00	2.057	0.47
8/1/2007 21:05	2.057	0.47
8/1/2007 21:10	2.057	0.06
8/1/2007 21:15	2.057	0.06
8/1/2007 21:20	2.057	0.06
8/1/2007 21:25	2.058	0.06
8/1/2007 21:30	2.058	0.06
8/1/2007 21:35	2.058	0.06
8/1/2007 21:40	2.058	0.06
8/1/2007 21:45	2.058	0.06
8/1/2007 21:50	2.059	0.06
8/1/2007 21:55	2.058	0.06
8/1/2007 22:00	2.058	0.06
8/1/2007 22:05	2.058	0.06
8/1/2007 22:10	2.059	0.06
8/1/2007 22:15	2.059	0.06
8/1/2007 22:20	2.059	0.06
8/1/2007 22:25	2.059	0.06
8/1/2007 22:30	2.059	0.06
8/1/2007 22:35	2.059	0.06
8/1/2007 22:40	2.059	0.06
8/1/2007 22:45	2.059	0.06
8/1/2007 22:50	2.059	0.06
8/1/2007 22:55	2.059	0.06
8/1/2007 23:00	2.06	0.06
8/1/2007 23:05	2.06	0.06
8/1/2007 23:10	2.06	0.06
8/1/2007 23:15	2.06	0.06
8/1/2007 23:20	2.06	0.06
8/1/2007 23:25	2.061	0.06
8/1/2007 23:30	2.061	0.06
8/1/2007 23:35	2.061	0.06
8/1/2007 23:40	2.061	0.06
8/1/2007 23:45	2.061	0.06
8/1/2007 23:50	2.061	0.06
8/1/2007 23:55	2.061	0.06
8/2/2007 0:00	2.061	0.06

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UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/2/2007 0:05	2.062	0.06
8/2/2007 0:10	2.061	0.06
8/2/2007 0:15	2.062	0.06
8/2/2007 0:20	2.062	0.06
8/2/2007 0:25	2.062	0.06
8/2/2007 0:30	2.062	0.06
8/2/2007 0:35	2.063	0.06
8/2/2007 0:40	2.063	0.06
8/2/2007 0:45	2.063	0.06
8/2/2007 0:50	2.063	0.06
8/2/2007 0:55	2.063	0.06
8/2/2007 1:00	2.064	0.06
8/2/2007 1:05	2.064	0.06
8/2/2007 1:10	2.064	0.06
8/2/2007 1:15	2.064	0.06
8/2/2007 1:20	2.064	0.06
8/2/2007 1:25	2.064	0.06
8/2/2007 1:30	2.065	0.06
8/2/2007 1:35	2.065	0.06
8/2/2007 1:40	2.066	0.06
8/2/2007 1:45	2.065	0.06
8/2/2007 1:50	2.065	0.06
8/2/2007 1:55	2.065	0.06
8/2/2007 2:00	2.065	0.06
8/2/2007 2:05	2.065	0.06
8/2/2007 2:10	2.065	0.06
8/2/2007 2:15	2.066	0.06
8/2/2007 2:20	2.066	0.06
8/2/2007 2:25	2.067	0.06
8/2/2007 2:30	2.067	0.06
8/2/2007 2:35	2.067	0.06
8/2/2007 2:40	2.067	0.06
8/2/2007 2:45	2.067	0.06
8/2/2007 2:50	2.067	0.06
8/2/2007 2:55	2.068	0.06
8/2/2007 3:00	2.067	0.06
8/2/2007 3:05	2.067	0.06
8/2/2007 3:10	2.067	0.06
8/2/2007 3:15	2.068	0.06
8/2/2007 3:20	2.068	0.06
8/2/2007 3:25	2.068	0.06
8/2/2007 3:30	2.068	0.06
8/2/2007 3:35	2.068	0.06
8/2/2007 3:40	2.068	0.06
8/2/2007 3:45	2.068	0.06
8/2/2007 3:50	2.068	0.06
8/2/2007 3:55	2.068	0.06
8/2/2007 4:00	2.069	0.06

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/2/2007 4:05	2.069	0.06
8/2/2007 4:10	2.069	0.06
8/2/2007 4:15	2.069	0.06
8/2/2007 4:20	2.068	0.06
8/2/2007 4:25	2.069	0.07
8/2/2007 4:30	2.069	0.07
8/2/2007 4:35	2.069	0.07
8/2/2007 4:40	2.069	0.07
8/2/2007 4:45	2.07	0.07
8/2/2007 4:50	2.07	0.07
8/2/2007 4:55	2.07	0.08
8/2/2007 5:00	2.071	0.08
8/2/2007 5:05	2.071	0.08
8/2/2007 5:10	2.071	0.08
8/2/2007 5:15	2.072	0.07
8/2/2007 5:20	2.072	0.07
8/2/2007 5:25	2.073	0.07
8/2/2007 5:30	2.073	0.33
8/2/2007 5:35	2.073	0.08
8/2/2007 5:40	2.074	0.06
8/2/2007 5:45	2.074	0.06
8/2/2007 5:50	2.074	0.06
8/2/2007 5:55	2.075	0.06
8/2/2007 6:00	2.075	0.06
8/2/2007 6:05	2.075	0.07
8/2/2007 6:10	2.075	0.06
8/2/2007 6:15	2.074	0.06
8/2/2007 6:20	2.074	0.06
8/2/2007 6:25	2.075	0.06
8/2/2007 6:30	2.075	0.06
8/2/2007 6:35	2.075	0.06
8/2/2007 6:40	2.075	0.06
8/2/2007 6:45	2.075	0.06
8/2/2007 6:50	2.075	0.06
8/2/2007 6:55	2.076	0.06
8/2/2007 7:00	2.076	0.06
8/2/2007 7:05	2.076	0.06
8/2/2007 7:10	2.076	0.06
8/2/2007 7:15	2.076	0.06
8/2/2007 7:20	2.076	0.06
8/2/2007 7:25	2.076	0.06
8/2/2007 7:30	2.076	0.06
8/2/2007 7:35	2.076	0.06
8/2/2007 7:40	2.077	0.06
8/2/2007 7:45	2.077	0.06
8/2/2007 7:50	2.076	0.06
8/2/2007 7:55	2.077	0.06
8/2/2007 8:00	2.076	0.06

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/2/2007 8:05	2.076	0.06
8/2/2007 8:10	2.076	0.06
8/2/2007 8:15	2.076	0.06
8/2/2007 8:20	2.076	0.06
8/2/2007 8:25	2.076	0.06
8/2/2007 8:30	2.075	0.06
8/2/2007 8:35	2.076	0.06
8/2/2007 8:40	2.076	0.06
8/2/2007 8:45	2.075	0.06
8/2/2007 8:50	2.075	0.06
8/2/2007 8:55	2.074	0.06
8/2/2007 9:00	2.074	0.06
8/2/2007 9:05	2.074	0.06
8/2/2007 9:10	2.075	0.07
8/2/2007 9:15	2.074	0.07
8/2/2007 9:20	2.074	10.91
8/2/2007 9:25	2.073	10.73
8/2/2007 9:30	2.074	9.99
8/2/2007 9:35	2.073	9.99
8/2/2007 9:40	2.073	12.91
8/2/2007 9:45	2.073	11.42
8/2/2007 9:50	2.073	12.95
8/2/2007 9:55	2.072	12.19
8/2/2007 10:00	2.072	11.38
8/2/2007 10:05	2.072	11.38
8/2/2007 10:10	2.072	10.59
8/2/2007 10:15	2.071	11.3
8/2/2007 10:20	2.071	9.3
8/2/2007 10:25	2.071	11.51
8/2/2007 10:30	2.071	11.32
8/2/2007 10:35	2.07	11.32
8/2/2007 10:40	2.07	11.32
8/2/2007 10:45	2.07	1.16
8/2/2007 10:50	2.069	1.16
8/2/2007 10:55	2.069	0.1
8/2/2007 11:00	2.068	0.1
8/2/2007 11:05	2.068	0.1
8/2/2007 11:10	2.067	0.1
8/2/2007 11:15	2.068	0.1
8/2/2007 11:20	2.066	0.13
8/2/2007 11:25	2.066	0.13
8/2/2007 11:30	2.065	0.13
8/2/2007 11:35	2.067	0.11
8/2/2007 11:40	2.065	0.12
8/2/2007 11:45	2.065	0.13
8/2/2007 11:50	2.064	0.13
8/2/2007 11:55	2.064	0.13
8/2/2007 12:00	2.064	0.49

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/2/2007 12:05	2.063	0.13
8/2/2007 12:10	2.063	0.14
8/2/2007 12:15	2.062	0.14
8/2/2007 12:20	2.062	0.11
8/2/2007 12:25	2.062	0.11
8/2/2007 12:30	2.062	0.11
8/2/2007 12:35	2.061	0.14
8/2/2007 12:40	2.062	9.43
8/2/2007 12:45	2.062	9.43
8/2/2007 12:50	2.062	10.41
8/2/2007 12:55	2.061	10.41
8/2/2007 13:00	2.06	10.41
8/2/2007 13:05	2.061	10.41
8/2/2007 13:10	2.06	10.41
8/2/2007 13:15	2.059	10.41
8/2/2007 13:20	2.059	10.41
8/2/2007 13:25	2.059	10.41
8/2/2007 13:30	2.058	10.41
8/2/2007 13:35	2.058	10.41
8/2/2007 13:40	2.059	10.41
8/2/2007 13:45	2.058	10.41
8/2/2007 13:50	2.058	10.41
8/2/2007 13:55	2.057	10.41
8/2/2007 14:00	2.057	10.41
8/2/2007 14:05	2.057	10.41
8/2/2007 14:10	2.057	10.41
8/2/2007 14:15	2.056	0.11
8/2/2007 14:20	2.057	0.12
8/2/2007 14:25	2.056	0.12
8/2/2007 14:30	2.055	0.12
8/2/2007 14:35	2.055	0.12
8/2/2007 14:40	2.055	9.57
8/2/2007 14:45	2.054	9.57
8/2/2007 14:50	2.054	9.33
8/2/2007 14:55	2.055	9.33
8/2/2007 15:00	2.054	9.33
8/2/2007 15:05	2.054	9.33
8/2/2007 15:10	2.054	9.33
8/2/2007 15:15	2.054	9.33
8/2/2007 15:20	2.054	9.33
8/2/2007 15:25	2.054	9.33
8/2/2007 15:30	2.054	9.33
8/2/2007 15:35	2.054	9.33
8/2/2007 15:40	2.053	9.33
8/2/2007 15:45	2.054	9.76
8/2/2007 15:50	2.053	9.76
8/2/2007 15:55	2.054	9.76
8/2/2007 16:00	2.053	9.76



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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/2/2007 16:05	2.053	9.76
8/2/2007 16:10	2.053	7.42
8/2/2007 16:15	2.053	7.42
8/2/2007 16:20	2.053	7.42
8/2/2007 16:25	2.053	7.42
8/2/2007 16:30	2.052	7.42
8/2/2007 16:35	2.054	7.42
8/2/2007 16:40	2.052	7.42
8/2/2007 16:45	2.052	7.42
8/2/2007 16:50	2.052	7.42
8/2/2007 16:55	2.051	7.42
8/2/2007 17:00	2.051	7.42
8/2/2007 17:05	2.051	7.42
8/2/2007 17:10	2.052	7.42
8/2/2007 17:15	2.052	7.42
8/2/2007 17:20	2.052	7.42
8/2/2007 17:25	2.052	7.42
8/2/2007 17:30	2.052	7.42
8/2/2007 17:35	2.052	7.42
8/2/2007 17:40	2.053	7.42
8/2/2007 17:45	2.053	7.42
8/2/2007 17:50	2.053	7.42
8/2/2007 17:55	2.053	7.42
8/2/2007 18:00	2.053	7.42
8/2/2007 18:05	2.053	7.42
8/2/2007 18:10	2.053	7.42
8/2/2007 18:15	2.054	7.42
8/2/2007 18:20	2.054	7.42
8/2/2007 18:25	2.054	7.42
8/2/2007 18:30	2.054	7.42
8/2/2007 18:35	2.054	7.42
8/2/2007 18:40	2.054	7.42
8/2/2007 18:45	2.054	7.42
8/2/2007 18:50	2.054	7.42
8/2/2007 18:55	2.052	7.42
8/2/2007 19:00	2.054	7.42
8/2/2007 19:05	2.054	7.42
8/2/2007 19:10	2.055	7.42
8/2/2007 19:15	2.055	7.42
8/2/2007 19:20	2.055	7.42
8/2/2007 19:25	2.055	7.42
8/2/2007 19:30	2.056	7.42
8/2/2007 19:35	2.056	7.42
8/2/2007 19:40	2.056	7.42
8/2/2007 19:45	2.056	7.42
8/2/2007 19:50	2.057	7.42
8/2/2007 19:55	2.057	7.42
8/2/2007 20:00	2.058	7.42

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/2/2007 20:05	2.058	7.42
8/2/2007 20:10	2.058	7.42
8/2/2007 20:15	2.059	7.42
8/2/2007 20:20	2.059	7.42
8/2/2007 20:25	2.059	7.42
8/2/2007 20:30	2.06	7.42
8/2/2007 20:35	2.06	7.42
8/2/2007 20:40	2.06	7.42
8/2/2007 20:45	2.06	7.42
8/2/2007 20:50	2.061	7.42
8/2/2007 20:55	2.061	7.42
8/2/2007 21:00	2.061	7.42
8/2/2007 21:05	2.061	7.42
8/2/2007 21:10	2.062	7.42
8/2/2007 21:15	2.062	7.42
8/2/2007 21:20	2.062	7.42
8/2/2007 21:25	2.063	7.42
8/2/2007 21:30	2.063	7.42
8/2/2007 21:35	2.064	7.42
8/2/2007 21:40	2.066	7.42
8/2/2007 21:45	2.066	7.42
8/2/2007 21:50	2.066	7.42
8/2/2007 21:55	2.066	7.42
8/2/2007 22:00	2.066	7.42
8/2/2007 22:05	2.067	7.42
8/2/2007 22:10	2.067	7.42
8/2/2007 22:15	2.066	7.42
8/2/2007 22:20	2.067	7.42
8/2/2007 22:25	2.067	7.42
8/2/2007 22:30	2.067	7.42
8/2/2007 22:35	2.067	7.42
8/2/2007 22:40	2.067	7.42
8/2/2007 22:45	2.067	7.42
8/2/2007 22:50	2.068	0.06
8/2/2007 22:55	2.068	0.06
8/2/2007 23:00	2.068	0.06
8/2/2007 23:05	2.069	0.07
8/2/2007 23:10	2.068	0.06
8/2/2007 23:15	2.069	0.06
8/2/2007 23:20	2.069	0.06
8/2/2007 23:25	2.069	0.06
8/2/2007 23:30	2.069	0.35
8/2/2007 23:35	2.069	0.35
8/2/2007 23:40	2.069	0.57
8/2/2007 23:45	2.069	0.3
8/2/2007 23:50	2.07	0.3
8/2/2007 23:55	2.07	0.3
8/3/2007 0:00	2.07	0.3

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/3/2007 0:05	2.07	0.3
8/3/2007 0:10	2.07	0.3
8/3/2007 0:15	2.07	0.28
8/3/2007 0:20	2.07	0.28
8/3/2007 0:25	2.07	0.28
8/3/2007 0:30	2.07	0.28
8/3/2007 0:35	2.07	0.28
8/3/2007 0:40	2.071	0.28
8/3/2007 0:45	2.071	0.28
8/3/2007 0:50	2.071	0.28
8/3/2007 0:55	2.072	0.28
8/3/2007 1:00	2.073	0.28
8/3/2007 1:05	2.074	0.28
8/3/2007 1:10	2.074	0.28
8/3/2007 1:15	2.074	0.28
8/3/2007 1:20	2.075	0.28
8/3/2007 1:25	2.075	0.28
8/3/2007 1:30	2.075	0.28
8/3/2007 1:35	2.076	0.28
8/3/2007 1:40	2.076	0.28
8/3/2007 1:45	2.076	0.28
8/3/2007 1:50	2.076	0.28
8/3/2007 1:55	2.077	0.28
8/3/2007 2:00	2.077	0.28
8/3/2007 2:05	2.077	0.28
8/3/2007 2:10	2.077	0.28
8/3/2007 2:15	2.077	0.28
8/3/2007 2:20	2.077	0.28
8/3/2007 2:25	2.078	0.28
8/3/2007 2:30	2.077	0.28
8/3/2007 2:35	2.078	0.28
8/3/2007 2:40	2.078	0.28
8/3/2007 2:45	2.078	0.28
8/3/2007 2:50	2.078	0.28
8/3/2007 2:55	2.078	0.28
8/3/2007 3:00	2.078	0.28
8/3/2007 3:05	2.078	0.28
8/3/2007 3:10	2.079	0.28
8/3/2007 3:15	2.078	0.28
8/3/2007 3:20	2.079	0.28
8/3/2007 3:25	2.079	0.28
8/3/2007 3:30	2.079	0.28
8/3/2007 3:35	2.079	0.28
8/3/2007 3:40	2.079	0.28
8/3/2007 3:45	2.079	0.28
8/3/2007 3:50	2.079	0.28
8/3/2007 3:55	2.079	0.28
8/3/2007 4:00	2.079	0.28

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/3/2007 4:05	2.079	0.28
8/3/2007 4:10	2.079	0.28
8/3/2007 4:15	2.078	0.28
8/3/2007 4:20	2.078	0.28
8/3/2007 4:25	2.078	0.28
8/3/2007 4:30	2.078	0.28
8/3/2007 4:35	2.078	0.28
8/3/2007 4:40	2.079	0.28
8/3/2007 4:45	2.078	0.28
8/3/2007 4:50	2.078	0.28
8/3/2007 4:55	2.078	0.28
8/3/2007 5:00	2.078	0.28
8/3/2007 5:05	2.078	0.28
8/3/2007 5:10	2.078	0.28
8/3/2007 5:15	2.078	0.28
8/3/2007 5:20	2.078	0.28
8/3/2007 5:25	2.079	0.28
8/3/2007 5:30	2.079	0.28
8/3/2007 5:35	2.079	0.28
8/3/2007 5:40	2.079	0.28
8/3/2007 5:45	2.079	0.28
8/3/2007 5:50	2.079	0.28
8/3/2007 5:55	2.079	0.28
8/3/2007 6:00	2.079	0.28
8/3/2007 6:05	2.079	0.28
8/3/2007 6:10	2.08	0.28
8/3/2007 6:15	2.08	0.28
8/3/2007 6:20	2.08	0.28
8/3/2007 6:25	2.08	0.09
8/3/2007 6:30	2.081	0.09
8/3/2007 6:35	2.081	0.09
8/3/2007 6:40	2.081	0.09
8/3/2007 6:45	2.081	0.09
8/3/2007 6:50	2.081	0.09
8/3/2007 6:55	2.081	0.09
8/3/2007 7:00	2.081	0.09
8/3/2007 7:05	2.081	0.09
8/3/2007 7:10	2.081	0.09
8/3/2007 7:15	2.081	0.09
8/3/2007 7:20	2.081	0.09
8/3/2007 7:25	2.081	0.09
8/3/2007 7:30	2.081	0.09
8/3/2007 7:35	2.081	0.09
8/3/2007 7:40	2.081	0.09
8/3/2007 7:45	2.082	7.47
8/3/2007 7:50	2.081	7.47
8/3/2007 7:55	2.081	7.47
8/3/2007 8:00	2.081	7.47

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/3/2007 8:05	2.081	7.47
8/3/2007 8:10	2.08	7.47
8/3/2007 8:15	2.08	7.47
8/3/2007 8:20	2.079	7.47
8/3/2007 8:25	2.079	7.47
8/3/2007 8:30	2.079	7.47
8/3/2007 8:35	2.079	7.47
8/3/2007 8:40	2.079	7.47
8/3/2007 8:45	2.079	7.47
8/3/2007 8:50	2.078	7.47
8/3/2007 8:55	2.078	7.47
8/3/2007 9:00	2.078	7.47
8/3/2007 9:05	2.078	7.47
8/3/2007 9:10	2.078	8.25
8/3/2007 9:15	2.079	8.25
8/3/2007 9:20	2.078	8.25
8/3/2007 9:25	2.076	12.38
8/3/2007 9:30	2.077	10.35
8/3/2007 9:35	2.077	10.35
8/3/2007 9:40	2.076	10.35
8/3/2007 9:45	2.076	10.35
8/3/2007 9:50	2.075	7.65
8/3/2007 9:55	2.075	12.01
8/3/2007 10:00	2.074	1.16
8/3/2007 10:05	2.074	1.16
8/3/2007 10:10	2.074	1.08
8/3/2007 10:15	2.074	1.08
8/3/2007 10:20	2.074	0.43
8/3/2007 10:25	2.073	0.43
8/3/2007 10:30	2.074	0.43
8/3/2007 10:35	2.074	0.12
8/3/2007 10:40	2.071	0.11
8/3/2007 10:45	2.071	0.38
8/3/2007 10:50	2.07	0.38
8/3/2007 10:55	2.069	0.1
8/3/2007 11:00	2.071	0.1
8/3/2007 11:05	2.069	0.1
8/3/2007 11:10	2.069	0.1
8/3/2007 11:15	2.068	0.1
8/3/2007 11:20	2.068	0.1
8/3/2007 11:25	2.067	0.1
8/3/2007 11:30	2.067	0.29
8/3/2007 11:35	2.066	0.29
8/3/2007 11:40	2.063	0.29
8/3/2007 11:45	2.064	0.29
8/3/2007 11:50	2.064	0.21
8/3/2007 11:55	2.063	0.13
8/3/2007 12:00	2.062	0.14

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/3/2007 12:05	2.062	0.11
8/3/2007 12:10	2.061	0.13
8/3/2007 12:15	2.062	0.13
8/3/2007 12:20	2.061	0.12
8/3/2007 12:25	2.059	0.12
8/3/2007 12:30	2.059	0.09
8/3/2007 12:35	2.058	0.09
8/3/2007 12:40	2.058	0.1
8/3/2007 12:45	2.057	0.1
8/3/2007 12:50	2.056	0.14
8/3/2007 12:55	2.056	0.13
8/3/2007 13:00	2.055	0.13
8/3/2007 13:05	2.054	0.13
8/3/2007 13:10	2.054	0.12
8/3/2007 13:15	2.054	0.12
8/3/2007 13:20	2.054	0.12
8/3/2007 13:25	2.054	0.12
8/3/2007 13:30	2.053	0.12
8/3/2007 13:35	2.052	0.12
8/3/2007 13:40	2.052	0.12
8/3/2007 13:45	2.053	0.12
8/3/2007 13:50	2.051	0.12
8/3/2007 13:55	2.05	0.11
8/3/2007 14:00	2.05	0.11
8/3/2007 14:05	2.05	0.11
8/3/2007 14:10	2.05	0.11
8/3/2007 14:15	2.049	0.1
8/3/2007 14:20	2.049	11.82
8/3/2007 14:25	2.048	11.06
8/3/2007 14:30	2.048	11.99
8/3/2007 14:35	2.048	11.62
8/3/2007 14:40	2.048	9.33
8/3/2007 14:45	2.048	9.9
8/3/2007 14:50	2.047	9.9
8/3/2007 14:55	2.047	10.89
8/3/2007 15:00	2.046	10.89
8/3/2007 15:05	2.046	10.26
8/3/2007 15:10	2.046	10.74
8/3/2007 15:15	2.044	10.74
8/3/2007 15:20	2.046	10.82
8/3/2007 15:25	2.045	10.82
8/3/2007 15:30	2.045	10.82
8/3/2007 15:35	2.045	10.82
8/3/2007 15:40	2.046	10.82
8/3/2007 15:45	2.045	10.82
8/3/2007 15:50	2.045	10.82
8/3/2007 15:55	2.045	10.82
8/3/2007 16:00	2.044	10.82

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/3/2007 16:05	2.044	10.82
8/3/2007 16:10	2.044	10.82
8/3/2007 16:15	2.045	10.82
8/3/2007 16:20	2.044	10.82
8/3/2007 16:25	2.044	10.82
8/3/2007 16:30	2.045	10.82
8/3/2007 16:35	2.045	10.82
8/3/2007 16:40	2.046	10.82
8/3/2007 16:45	2.045	10.82
8/3/2007 16:50	2.044	10.82
8/3/2007 16:55	2.044	10.82
8/3/2007 17:00	2.045	10.82
8/3/2007 17:05	2.044	10.82
8/3/2007 17:10	2.045	10.82
8/3/2007 17:15	2.045	10.82
8/3/2007 17:20	2.045	0.09
8/3/2007 17:25	2.045	0.09
8/3/2007 17:30	2.045	0.09
8/3/2007 17:35	2.045	0.09
8/3/2007 17:40	2.045	0.09
8/3/2007 17:45	2.045	0.09
8/3/2007 17:50	2.045	0.09
8/3/2007 17:55	2.046	0.09
8/3/2007 18:00	2.046	0.09
8/3/2007 18:05	2.045	0.09
8/3/2007 18:10	2.046	0.09
8/3/2007 18:15	2.046	0.09
8/3/2007 18:20	2.045	0.09
8/3/2007 18:25	2.048	0.09
8/3/2007 18:30	2.046	0.09
8/3/2007 18:35	2.046	0.09
8/3/2007 18:40	2.047	0.09
8/3/2007 18:45	2.047	0.09
8/3/2007 18:50	2.047	0.09
8/3/2007 18:55	2.047	0.09
8/3/2007 19:00	2.047	0.09
8/3/2007 19:05	2.047	0.09
8/3/2007 19:10	2.047	0.09
8/3/2007 19:15	2.048	0.09
8/3/2007 19:20	2.048	0.09
8/3/2007 19:25	2.048	0.09
8/3/2007 19:30	2.048	0.09
8/3/2007 19:35	2.048	0.09
8/3/2007 19:40	2.049	0.09
8/3/2007 19:45	2.049	0.09
8/3/2007 19:50	2.049	0.09
8/3/2007 19:55	2.05	0.09
8/3/2007 20:00	2.05	0.09

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/3/2007 20:05	2.05	0.09
8/3/2007 20:10	2.05	0.09
8/3/2007 20:15	2.051	0.09
8/3/2007 20:20	2.051	0.09
8/3/2007 20:25	2.051	0.09
8/3/2007 20:30	2.051	0.09
8/3/2007 20:35	2.051	0.09
8/3/2007 20:40	2.051	0.09
8/3/2007 20:45	2.051	0.09
8/3/2007 20:50	2.051	0.09
8/3/2007 20:55	2.052	0.09
8/3/2007 21:00	2.052	0.09
8/3/2007 21:05	2.053	0.06
8/3/2007 21:10	2.053	0.06
8/3/2007 21:15	2.052	0.06
8/3/2007 21:20	2.053	0.06
8/3/2007 21:25	2.053	0.06
8/3/2007 21:30	2.053	0.06
8/3/2007 21:35	2.053	0.06
8/3/2007 21:40	2.053	0.06
8/3/2007 21:45	2.053	0.06
8/3/2007 21:50	2.053	0.06
8/3/2007 21:55	2.054	0.06
8/3/2007 22:00	2.054	0.06
8/3/2007 22:05	2.054	0.06
8/3/2007 22:10	2.054	0.06
8/3/2007 22:15	2.054	0.06
8/3/2007 22:20	2.054	0.06
8/3/2007 22:25	2.054	0.06
8/3/2007 22:30	2.054	0.06
8/3/2007 22:35	2.055	0.06
8/3/2007 22:40	2.054	0.06
8/3/2007 22:45	2.055	-0.44
8/3/2007 22:50	2.055	-0.44
8/3/2007 22:55	2.055	-0.44
8/3/2007 23:00	2.055	-0.44
8/3/2007 23:05	2.055	0.09
8/3/2007 23:10	2.056	0.09
8/3/2007 23:15	2.056	0.09
8/3/2007 23:20	2.055	0.09
8/3/2007 23:25	2.055	0.21
8/3/2007 23:30	2.055	0.21
8/3/2007 23:35	2.056	0.21
8/3/2007 23:40	2.055	0.21
8/3/2007 23:45	2.055	0.21
8/3/2007 23:50	2.055	0.21
8/3/2007 23:55	2.055	9.62
8/4/2007 0:00	2.055	10.72



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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/4/2007 0:05	2.055	10.72
8/4/2007 0:10	2.056	10.72
8/4/2007 0:15	2.056	10.72
8/4/2007 0:20	2.056	10.72
8/4/2007 0:25	2.056	10.72
8/4/2007 0:30	2.056	10.72
8/4/2007 0:35	2.056	10.72
8/4/2007 0:40	2.056	10.72
8/4/2007 0:45	2.056	10.72
8/4/2007 0:50	2.057	10.72
8/4/2007 0:55	2.057	10.72
8/4/2007 1:00	2.057	10.72
8/4/2007 1:05	2.057	10.72
8/4/2007 1:10	2.057	10.72
8/4/2007 1:15	2.057	10.72
8/4/2007 1:20	2.057	10.72
8/4/2007 1:25	2.057	10.72
8/4/2007 1:30	2.057	10.72
8/4/2007 1:35	2.058	10.72
8/4/2007 1:40	2.058	10.72
8/4/2007 1:45	2.058	10.72
8/4/2007 1:50	2.058	10.72
8/4/2007 1:55	2.057	10.72
8/4/2007 2:00	2.057	10.72
8/4/2007 2:05	2.058	10.72
8/4/2007 2:10	2.057	10.72
8/4/2007 2:15	2.058	10.72
8/4/2007 2:20	2.058	10.72
8/4/2007 2:25	2.058	10.72
8/4/2007 2:30	2.058	10.72
8/4/2007 2:35	2.058	10.72
8/4/2007 2:40	2.058	10.72
8/4/2007 2:45	2.058	10.72
8/4/2007 2:50	2.058	10.72
8/4/2007 2:55	2.058	10.72
8/4/2007 3:00	2.058	10.72
8/4/2007 3:05	2.058	10.72
8/4/2007 3:10	2.058	10.72
8/4/2007 3:15	2.058	10.72
8/4/2007 3:20	2.058	10.72
8/4/2007 3:25	2.058	10.72
8/4/2007 3:30	2.059	10.72
8/4/2007 3:35	2.059	10.72
8/4/2007 3:40	2.059	10.72
8/4/2007 3:45	2.059	10.12
8/4/2007 3:50	2.059	10.12
8/4/2007 3:55	2.059	10.12
8/4/2007 4:00	2.059	10.12

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/4/2007 4:05	2.059	10.12
8/4/2007 4:10	2.059	10.12
8/4/2007 4:15	2.059	10.12
8/4/2007 4:20	2.059	10.12
8/4/2007 4:25	2.059	10.12
8/4/2007 4:30	2.06	10.12
8/4/2007 4:35	2.06	10.12
8/4/2007 4:40	2.06	10.12
8/4/2007 4:45	2.06	10.12
8/4/2007 4:50	2.06	10.12
8/4/2007 4:55	2.061	10.12
8/4/2007 5:00	2.061	10.12
8/4/2007 5:05	2.061	10.12
8/4/2007 5:10	2.061	10.12
8/4/2007 5:15	2.061	10.12
8/4/2007 5:20	2.061	10.12
8/4/2007 5:25	2.062	10.12
8/4/2007 5:30	2.062	10.12
8/4/2007 5:35	2.062	10.12
8/4/2007 5:40	2.062	10.12
8/4/2007 5:45	2.063	10.12
8/4/2007 5:50	2.063	10.12
8/4/2007 5:55	2.063	10.12
8/4/2007 6:00	2.063	10.12
8/4/2007 6:05	2.064	10.12
8/4/2007 6:10	2.063	10.12
8/4/2007 6:15	2.063	10.12
8/4/2007 6:20	2.063	10.12
8/4/2007 6:25	2.064	10.12
8/4/2007 6:30	2.064	10.12
8/4/2007 6:35	2.064	10.12
8/4/2007 6:40	2.064	10.12
8/4/2007 6:45	2.064	10.12
8/4/2007 6:50	2.064	10.12
8/4/2007 6:55	2.065	10.12
8/4/2007 7:00	2.065	10.12
8/4/2007 7:05	2.065	10.12
8/4/2007 7:10	2.064	10.12
8/4/2007 7:15	2.065	10.12
8/4/2007 7:20	2.066	10.12
8/4/2007 7:25	2.064	10.12
8/4/2007 7:30	2.064	10.12
8/4/2007 7:35	2.065	10.12
8/4/2007 7:40	2.065	10.12
8/4/2007 7:45	2.064	10.12
8/4/2007 7:50	2.063	10.12
8/4/2007 7:55	2.064	10.12
8/4/2007 8:00	2.064	10.12

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/4/2007 8:05	2.062	10.12
8/4/2007 8:10	2.062	10.12
8/4/2007 8:15	2.061	10.12
8/4/2007 8:20	2.062	10.12
8/4/2007 8:25	2.061	10.12
8/4/2007 8:30	2.061	10.12
8/4/2007 8:35	2.061	10.12
8/4/2007 8:40	2.061	10.12
8/4/2007 8:45	2.059	10.12
8/4/2007 8:50	2.06	10.12
8/4/2007 8:55	2.061	10.12
8/4/2007 9:00	2.059	10.12
8/4/2007 9:05	2.059	10.12
8/4/2007 9:10	2.059	10.12
8/4/2007 9:15	2.058	10.12
8/4/2007 9:20	2.061	10.12
8/4/2007 9:25	2.059	10.12
8/4/2007 9:30	2.059	10.12
8/4/2007 9:35	2.059	10.12
8/4/2007 9:40	2.058	8.46
8/4/2007 9:45	2.058	8.46
8/4/2007 9:50	2.057	8.46
8/4/2007 9:55	2.058	9.21
8/4/2007 10:00	2.058	10.7
8/4/2007 10:05	2.056	10.7
8/4/2007 10:10	2.055	12.12
8/4/2007 10:15	2.055	12.12
8/4/2007 10:20	2.057	12.12
8/4/2007 10:25	2.052	12.12
8/4/2007 10:30	2.054	12.12
8/4/2007 10:35	2.055	12.12
8/4/2007 10:40	2.052	12.12
8/4/2007 10:45	2.055	11.01
8/4/2007 10:50	2.053	11.01
8/4/2007 10:55	2.054	12.42
8/4/2007 11:00	2.051	12.42
8/4/2007 11:05	2.052	12.42
8/4/2007 11:10	2.051	0.08
8/4/2007 11:15	2.054	0.11
8/4/2007 11:20	2.052	0.11
8/4/2007 11:25	2.049	0.11
8/4/2007 11:30	2.049	0.09
8/4/2007 11:35	2.05	0.09
8/4/2007 11:40	2.049	0.08
8/4/2007 11:45	2.048	0.18
8/4/2007 11:50	2.048	0.18
8/4/2007 11:55	2.047	0.17
8/4/2007 12:00	2.047	0.09

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/4/2007 12:05	2.044	0.1
8/4/2007 12:10	2.045	0.13
8/4/2007 12:15	2.045	0.13
8/4/2007 12:20	2.046	0.1
8/4/2007 12:25	2.048	0.12
8/4/2007 12:30	2.044	0.12
8/4/2007 12:35	2.047	9.29
8/4/2007 12:40	2.046	11.51
8/4/2007 12:45	2.044	11.51
8/4/2007 12:50	2.041	11.51
8/4/2007 12:55	2.043	11.51
8/4/2007 13:00	2.042	11.51
8/4/2007 13:05	2.041	11.51
8/4/2007 13:10	2.041	11.51
8/4/2007 13:15	2.04	11.51
8/4/2007 13:20	2.04	11.51
8/4/2007 13:25	2.04	11.51
8/4/2007 13:30	2.037	11.51
8/4/2007 13:35	2.038	11.51
8/4/2007 13:40	2.038	11.51
8/4/2007 13:45	2.037	11.51
8/4/2007 13:50	2.037	11.51
8/4/2007 13:55	2.035	11.51
8/4/2007 14:00	2.035	11.51
8/4/2007 14:05	2.035	11.51
8/4/2007 14:10	2.036	11.51
8/4/2007 14:15	2.037	11.51
8/4/2007 14:20	2.035	11.51
8/4/2007 14:25	2.035	11.51
8/4/2007 14:30	2.033	11.51
8/4/2007 14:35	2.033	11.51
8/4/2007 14:40	2.033	11.51
8/4/2007 14:45	2.033	11.51
8/4/2007 14:50	2.033	11.51
8/4/2007 14:55	2.033	11.51
8/4/2007 15:00	2.033	11.51
8/4/2007 15:05	2.032	11.51
8/4/2007 15:10	2.032	11.51
8/4/2007 15:15	2.032	11.51
8/4/2007 15:20	2.032	11.51
8/4/2007 15:25	2.032	11.51
8/4/2007 15:30	2.033	11.51
8/4/2007 15:35	2.032	11.51
8/4/2007 15:40	2.033	11.51
8/4/2007 15:45	2.032	11.51
8/4/2007 15:50	2.032	11.51
8/4/2007 15:55	2.03	11.51
8/4/2007 16:00	2.032	11.51

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/4/2007 16:05	2.032	11.51
8/4/2007 16:10	2.031	11.51
8/4/2007 16:15	2.032	11.51
8/4/2007 16:20	2.031	11.51
8/4/2007 16:25	2.031	11.51
8/4/2007 16:30	2.03	11.51
8/4/2007 16:35	2.029	11.51
8/4/2007 16:40	2.03	11.51
8/4/2007 16:45	2.03	11.51
8/4/2007 16:50	2.031	11.51
8/4/2007 16:55	2.031	11.51
8/4/2007 17:00	2.031	11.51
8/4/2007 17:05	2.032	11.51
8/4/2007 17:10	2.031	11.51
8/4/2007 17:15	2.031	11.51
8/4/2007 17:20	2.031	11.51
8/4/2007 17:25	2.032	11.51
8/4/2007 17:30	2.03	11.51
8/4/2007 17:35	2.032	11.51
8/4/2007 17:40	2.031	11.51
8/4/2007 17:45	2.031	11.51
8/4/2007 17:50	2.031	11.51
8/4/2007 17:55	2.032	11.51
8/4/2007 18:00	2.032	11.51
8/4/2007 18:05	2.032	11.51
8/4/2007 18:10	2.032	11.51
8/4/2007 18:15	2.032	11.51
8/4/2007 18:20	2.031	11.51
8/4/2007 18:25	2.032	0.23
8/4/2007 18:30	2.032	0.23
8/4/2007 18:35	2.032	0.23
8/4/2007 18:40	2.032	0.23
8/4/2007 18:45	2.033	0.23
8/4/2007 18:50	2.033	0.23
8/4/2007 18:55	2.032	0.23
8/4/2007 19:00	2.033	0.23
8/4/2007 19:05	2.033	0.21
8/4/2007 19:10	2.034	0.21
8/4/2007 19:15	2.033	0.21
8/4/2007 19:20	2.033	0.21
8/4/2007 19:25	2.034	0.21
8/4/2007 19:30	2.034	0.21
8/4/2007 19:35	2.034	0.06
8/4/2007 19:40	2.034	0.06
8/4/2007 19:45	2.034	0.06
8/4/2007 19:50	2.034	0.06
8/4/2007 19:55	2.035	0.06
8/4/2007 20:00	2.035	0.06

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UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/4/2007 20:05	2.035	0.06
8/4/2007 20:10	2.035	0.06
8/4/2007 20:15	2.035	0.06
8/4/2007 20:20	2.035	0.06
8/4/2007 20:25	2.035	0.06
8/4/2007 20:30	2.036	0.06
8/4/2007 20:35	2.036	0.06
8/4/2007 20:40	2.035	0.06
8/4/2007 20:45	2.036	-0.2
8/4/2007 20:50	2.036	0.06
8/4/2007 20:55	2.036	0.06
8/4/2007 21:00	2.036	0.06
8/4/2007 21:05	2.036	0.06
8/4/2007 21:10	2.037	0.06
8/4/2007 21:15	2.037	0.06
8/4/2007 21:20	2.037	0.06
8/4/2007 21:25	2.037	0.21
8/4/2007 21:30	2.038	0.21
8/4/2007 21:35	2.038	0.21
8/4/2007 21:40	2.038	0.21
8/4/2007 21:45	2.039	0.21
8/4/2007 21:50	2.039	0.21
8/4/2007 21:55	2.039	0.21
8/4/2007 22:00	2.039	0.21
8/4/2007 22:05	2.04	0.21
8/4/2007 22:10	2.04	0.21
8/4/2007 22:15	2.04	0.21
8/4/2007 22:20	2.04	0.21
8/4/2007 22:25	2.04	0.21
8/4/2007 22:30	2.04	0.21
8/4/2007 22:35	2.041	0.21
8/4/2007 22:40	2.041	0.21
8/4/2007 22:45	2.041	0.21
8/4/2007 22:50	2.041	0.21
8/4/2007 22:55	2.041	0.21
8/4/2007 23:00	2.041	0.21
8/4/2007 23:05	2.042	0.21
8/4/2007 23:10	2.042	0.21
8/4/2007 23:15	2.041	0.21
8/4/2007 23:20	2.041	0.21
8/4/2007 23:25	2.042	0.21
8/4/2007 23:30	2.042	0.21
8/4/2007 23:35	2.042	0.21
8/4/2007 23:40	2.042	0.21
8/4/2007 23:45	2.043	0.21
8/4/2007 23:50	2.042	0.21
8/4/2007 23:55	2.042	0.21
8/5/2007 0:00	2.047	0.21

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/5/2007 0:05	2.043	0.21
8/5/2007 0:10	2.044	0.21
8/5/2007 0:15	2.044	0.21
8/5/2007 0:20	2.044	0.21
8/5/2007 0:25	2.045	0.21
8/5/2007 0:30	2.045	0.21
8/5/2007 0:35	2.045	0.21
8/5/2007 0:40	2.045	0.21
8/5/2007 0:45	2.045	0.21
8/5/2007 0:50	2.045	0.21
8/5/2007 0:55	2.046	0.21
8/5/2007 1:00	2.045	0.21
8/5/2007 1:05	2.046	0.21
8/5/2007 1:10	2.046	0.21
8/5/2007 1:15	2.046	0.21
8/5/2007 1:20	2.046	0.21
8/5/2007 1:25	2.046	0.21
8/5/2007 1:30	2.046	0.21
8/5/2007 1:35	2.046	0.21
8/5/2007 1:40	2.046	0.21
8/5/2007 1:45	2.046	0.21
8/5/2007 1:50	2.046	0.21
8/5/2007 1:55	2.047	0.21
8/5/2007 2:00	2.047	0.21
8/5/2007 2:05	2.047	0.21
8/5/2007 2:10	2.047	0.06
8/5/2007 2:15	2.047	0.06
8/5/2007 2:20	2.048	0.06
8/5/2007 2:25	2.047	0.06
8/5/2007 2:30	2.047	0.06
8/5/2007 2:35	2.046	0.06
8/5/2007 2:40	2.046	0.06
8/5/2007 2:45	2.046	0.17
8/5/2007 2:50	2.046	0.17
8/5/2007 2:55	2.046	0.18
8/5/2007 3:00	2.047	0.18
8/5/2007 3:05	2.047	0.18
8/5/2007 3:10	2.047	0.18
8/5/2007 3:15	2.047	0.18
8/5/2007 3:20	2.047	0.18
8/5/2007 3:25	2.048	0.18
8/5/2007 3:30	2.048	0.18
8/5/2007 3:35	2.048	0.18
8/5/2007 3:40	2.049	0.18
8/5/2007 3:45	2.049	0.18
8/5/2007 3:50	2.049	0.18
8/5/2007 3:55	2.049	0.18
8/5/2007 4:00	2.05	0.18

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/5/2007 4:05	2.051	0.18
8/5/2007 4:10	2.051	0.18
8/5/2007 4:15	2.052	0.18
8/5/2007 4:20	2.052	0.18
8/5/2007 4:25	2.052	0.18
8/5/2007 4:30	2.052	0.18
8/5/2007 4:35	2.053	0.18
8/5/2007 4:40	2.052	0.18
8/5/2007 4:45	2.053	0.18
8/5/2007 4:50	2.053	0.18
8/5/2007 4:55	2.053	0.18
8/5/2007 5:00	2.054	0.18
8/5/2007 5:05	2.054	0.18
8/5/2007 5:10	2.055	0.18
8/5/2007 5:15	2.055	0.25
8/5/2007 5:20	2.056	0.25
8/5/2007 5:25	2.057	0.25
8/5/2007 5:30	2.057	0.25
8/5/2007 5:35	2.057	0.25
8/5/2007 5:40	2.058	0.25
8/5/2007 5:45	2.059	0.25
8/5/2007 5:50	2.058	0.25
8/5/2007 5:55	2.059	0.25
8/5/2007 6:00	2.059	0.25
8/5/2007 6:05	2.059	0.25
8/5/2007 6:10	2.06	0.25
8/5/2007 6:15	2.061	0.25
8/5/2007 6:20	2.061	0.25
8/5/2007 6:25	2.061	0.25
8/5/2007 6:30	2.062	0.25
8/5/2007 6:35	2.062	0.25
8/5/2007 6:40	2.063	0.25
8/5/2007 6:45	2.063	0.25
8/5/2007 6:50	2.063	0.25
8/5/2007 6:55	2.063	0.25
8/5/2007 7:00	2.063	0.25
8/5/2007 7:05	2.064	0.25
8/5/2007 7:10	2.063	0.25
8/5/2007 7:15	2.064	0.25
8/5/2007 7:20	2.064	0.25
8/5/2007 7:25	2.064	0.25
8/5/2007 7:30	2.065	0.25
8/5/2007 7:35	2.066	0.25
8/5/2007 7:40	2.065	0.25
8/5/2007 7:45	2.066	0.25
8/5/2007 7:50	2.066	0.25
8/5/2007 7:55	2.067	0.25
8/5/2007 8:00	2.067	0.25



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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/5/2007 8:05	2.066	0.25
8/5/2007 8:10	2.067	0.25
8/5/2007 8:15	2.067	0.25
8/5/2007 8:20	2.066	0.25
8/5/2007 8:25	2.067	0.25
8/5/2007 8:30	2.067	0.25
8/5/2007 8:35	2.066	0.25
8/5/2007 8:40	2.066	0.25
8/5/2007 8:45	2.065	0.25
8/5/2007 8:50	2.066	0.25
8/5/2007 8:55	2.066	0.25
8/5/2007 9:00	2.066	0.25
8/5/2007 9:05	2.066	0.25
8/5/2007 9:10	2.064	0.25
8/5/2007 9:15	2.065	0.25
8/5/2007 9:20	2.065	0.25
8/5/2007 9:25	2.065	0.25
8/5/2007 9:30	2.065	0.25
8/5/2007 9:35	2.065	0.25
8/5/2007 9:40	2.065	0.25
8/5/2007 9:45	2.063	0.25
8/5/2007 9:50	2.063	0.25
8/5/2007 9:55	2.064	0.25
8/5/2007 10:00	2.064	1.14
8/5/2007 10:05	2.063	11.1
8/5/2007 10:10	2.063	11.1
8/5/2007 10:15	2.062	1.11
8/5/2007 10:20	2.062	10.25
8/5/2007 10:25	2.062	13.51
8/5/2007 10:30	2.062	13.51
8/5/2007 10:35	2.061	13.51
8/5/2007 10:40	2.062	13.51
8/5/2007 10:45	2.061	13.51
8/5/2007 10:50	2.06	13.51
8/5/2007 10:55	2.06	13.51
8/5/2007 11:00	2.059	0.11
8/5/2007 11:05	2.059	0.11
8/5/2007 11:10	2.06	12.87
8/5/2007 11:15	2.059	12.87
8/5/2007 11:20	2.058	11.31
8/5/2007 11:25	2.058	12.91
8/5/2007 11:30	2.057	12.45
8/5/2007 11:35	2.056	11.91
8/5/2007 11:40	2.055	12.57
8/5/2007 11:45	2.055	10.96
8/5/2007 11:50	2.055	12.33
8/5/2007 11:55	2.054	9.18
8/5/2007 12:00	2.055	1.19

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/5/2007 12:05	2.054	1.09
8/5/2007 12:10	2.054	1.09
8/5/2007 12:15	2.053	0.13
8/5/2007 12:20	2.052	0.15
8/5/2007 12:25	2.051	0.15
8/5/2007 12:30	2.051	-0.29
8/5/2007 12:35	2.051	-0.29
8/5/2007 12:40	2.05	-0.29
8/5/2007 12:45	2.049	-0.29
8/5/2007 12:50	2.049	-0.29
8/5/2007 12:55	2.047	0.15
8/5/2007 13:00	2.047	0.52
8/5/2007 13:05	2.047	0.16
8/5/2007 13:10	2.046	0.13
8/5/2007 13:15	2.046	0.13
8/5/2007 13:20	2.045	0.13
8/5/2007 13:25	2.044	0.38
8/5/2007 13:30	2.044	0.38
8/5/2007 13:35	2.044	10.41
8/5/2007 13:40	2.044	13.22
8/5/2007 13:45	2.043	8.68
8/5/2007 13:50	2.042	12.04
8/5/2007 13:55	2.042	8.89
8/5/2007 14:00	2.042	9.23
8/5/2007 14:05	2.041	8.07
8/5/2007 14:10	2.041	8.07
8/5/2007 14:15	2.04	8.07
8/5/2007 14:20	2.041	8.07
8/5/2007 14:25	2.04	0.33
8/5/2007 14:30	2.04	0.33
8/5/2007 14:35	2.041	0.33
8/5/2007 14:40	2.04	0.1
8/5/2007 14:45	2.039	0.1
8/5/2007 14:50	2.038	0.09
8/5/2007 14:55	2.038	0.09
8/5/2007 15:00	2.038	0.09
8/5/2007 15:05	2.037	0.08
8/5/2007 15:10	2.037	0.08
8/5/2007 15:15	2.036	0.08
8/5/2007 15:20	2.036	0.08
8/5/2007 15:25	2.035	0.07
8/5/2007 15:30	2.036	0.07
8/5/2007 15:35	2.035	0.07
8/5/2007 15:40	2.035	0.07
8/5/2007 15:45	2.035	0.07
8/5/2007 15:50	2.035	0.07
8/5/2007 15:55	2.034	0.07
8/5/2007 16:00	2.035	0.07

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/5/2007 16:05	2.035	0.07
8/5/2007 16:10	2.034	0.07
8/5/2007 16:15	2.034	0.07
8/5/2007 16:20	2.034	0.08
8/5/2007 16:25	2.035	0.08
8/5/2007 16:30	2.034	0.08
8/5/2007 16:35	2.034	0.08
8/5/2007 16:40	2.034	0.08
8/5/2007 16:45	2.034	0.08
8/5/2007 16:50	2.034	0.08
8/5/2007 16:55	2.034	0.08
8/5/2007 17:00	2.034	0.08
8/5/2007 17:05	2.034	0.08
8/5/2007 17:10	2.034	0.08
8/5/2007 17:15	2.034	0.08
8/5/2007 17:20	2.035	0.08
8/5/2007 17:25	2.034	0.08
8/5/2007 17:30	2.035	0.08
8/5/2007 17:35	2.035	0.08
8/5/2007 17:40	2.036	0.08
8/5/2007 17:45	2.035	0.08
8/5/2007 17:50	2.036	0.08
8/5/2007 17:55	2.036	0.28
8/5/2007 18:00	2.036	0.28
8/5/2007 18:05	2.036	0.27
8/5/2007 18:10	2.036	0.27
8/5/2007 18:15	2.036	0.27
8/5/2007 18:20	2.037	0.27
8/5/2007 18:25	2.037	0.17
8/5/2007 18:30	2.037	0.17
8/5/2007 18:35	2.037	0.17
8/5/2007 18:40	2.037	0.17
8/5/2007 18:45	2.036	0.17
8/5/2007 18:50	2.037	0.17
8/5/2007 18:55	2.037	0.17
8/5/2007 19:00	2.036	0.17
8/5/2007 19:05	2.037	0.17
8/5/2007 19:10	2.037	0.32
8/5/2007 19:15	2.037	0.32
8/5/2007 19:20	2.037	0.32
8/5/2007 19:25	2.037	0.32
8/5/2007 19:30	2.037	0.32
8/5/2007 19:35	2.037	0.32
8/5/2007 19:40	2.038	0.32
8/5/2007 19:45	2.038	0.32
8/5/2007 19:50	2.039	0.32
8/5/2007 19:55	2.04	0.32
8/5/2007 20:00	2.04	0.32

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/5/2007 20:05	2.041	0.32
8/5/2007 20:10	2.041	0.32
8/5/2007 20:15	2.042	0.32
8/5/2007 20:20	2.042	0.11
8/5/2007 20:25	2.043	0.11
8/5/2007 20:30	2.043	0.11
8/5/2007 20:35	2.043	0.11
8/5/2007 20:40	2.044	0.11
8/5/2007 20:45	2.044	0.11
8/5/2007 20:50	2.044	0.11
8/5/2007 20:55	2.045	0.11
8/5/2007 21:00	2.044	0.11
8/5/2007 21:05	2.045	0.11
8/5/2007 21:10	2.045	0.11
8/5/2007 21:15	2.045	0.11
8/5/2007 21:20	2.045	0.11
8/5/2007 21:25	2.045	0.11
8/5/2007 21:30	2.046	0.11
8/5/2007 21:35	2.046	0.11
8/5/2007 21:40	2.046	0.11
8/5/2007 21:45	2.046	0.11
8/5/2007 21:50	2.046	0.11
8/5/2007 21:55	2.047	0.11
8/5/2007 22:00	2.047	0.11
8/5/2007 22:05	2.047	0.11
8/5/2007 22:10	2.047	0.11
8/5/2007 22:15	2.047	0.11
8/5/2007 22:20	2.047	0.11
8/5/2007 22:25	2.048	0.11
8/5/2007 22:30	2.049	0.11
8/5/2007 22:35	2.048	0.11
8/5/2007 22:40	2.048	0.11
8/5/2007 22:45	2.048	0.11
8/5/2007 22:50	2.048	0.11
8/5/2007 22:55	2.049	0.11
8/5/2007 23:00	2.048	0.11
8/5/2007 23:05	2.048	0.11
8/5/2007 23:10	2.048	0.11
8/5/2007 23:15	2.048	0.11
8/5/2007 23:20	2.048	0.11
8/5/2007 23:25	2.047	0.11
8/5/2007 23:30	2.048	0.11
8/5/2007 23:35	2.048	0.11
8/5/2007 23:40	2.048	0.11
8/5/2007 23:45	2.048	0.11
8/5/2007 23:50	2.048	0.11
8/5/2007 23:55	2.048	0.11
8/6/2007 0:00	2.048	0.11

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/6/2007 0:05	2.048	0.11
8/6/2007 0:10	2.049	0.11
8/6/2007 0:15	2.049	0.11
8/6/2007 0:20	2.049	0.11
8/6/2007 0:25	2.049	0.11
8/6/2007 0:30	2.049	0.11
8/6/2007 0:35	2.049	0.11
8/6/2007 0:40	2.049	0.11
8/6/2007 0:45	2.049	0.11
8/6/2007 0:50	2.049	0.11
8/6/2007 0:55	2.049	0.11
8/6/2007 1:00	2.049	0.11
8/6/2007 1:05	2.05	0.11
8/6/2007 1:10	2.05	0.11
8/6/2007 1:15	2.05	0.11
8/6/2007 1:20	2.05	0.28
8/6/2007 1:25	2.05	0.28
8/6/2007 1:30	2.05	0.28
8/6/2007 1:35	2.05	0.28
8/6/2007 1:40	2.05	0.28
8/6/2007 1:45	2.051	0.28
8/6/2007 1:50	2.051	0.28
8/6/2007 1:55	2.05	0.28
8/6/2007 2:00	2.05	0.28
8/6/2007 2:05	2.051	0.28
8/6/2007 2:10	2.05	0.28
8/6/2007 2:15	2.05	0.28
8/6/2007 2:20	2.05	0.28
8/6/2007 2:25	2.051	0.28
8/6/2007 2:30	2.051	0.28
8/6/2007 2:35	2.051	0.28
8/6/2007 2:40	2.051	0.28
8/6/2007 2:45	2.051	0.28
8/6/2007 2:50	2.051	0.23
8/6/2007 2:55	2.05	0.23
8/6/2007 3:00	2.051	0.23
8/6/2007 3:05	2.051	0.23
8/6/2007 3:10	2.051	0.23
8/6/2007 3:15	2.05	0.23
8/6/2007 3:20	2.051	0.23
8/6/2007 3:25	2.051	0.23
8/6/2007 3:30	2.051	0.23
8/6/2007 3:35	2.051	0.23
8/6/2007 3:40	2.051	0.23
8/6/2007 3:45	2.051	0.23
8/6/2007 3:50	2.051	0.23
8/6/2007 3:55	2.052	0.23
8/6/2007 4:00	2.053	0.23

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/6/2007 4:05	2.054	0.23
8/6/2007 4:10	2.055	0.23
8/6/2007 4:15	2.056	0.23
8/6/2007 4:20	2.057	0.23
8/6/2007 4:25	2.057	0.23
8/6/2007 4:30	2.057	0.23
8/6/2007 4:35	2.058	0.23
8/6/2007 4:40	2.058	0.23
8/6/2007 4:45	2.058	0.23
8/6/2007 4:50	2.058	0.23
8/6/2007 4:55	2.058	0.23
8/6/2007 5:00	2.058	0.23
8/6/2007 5:05	2.058	0.23
8/6/2007 5:10	2.058	0.23
8/6/2007 5:15	2.058	0.23
8/6/2007 5:20	2.058	0.23
8/6/2007 5:25	2.058	0.23
8/6/2007 5:30	2.059	0.23
8/6/2007 5:35	2.059	0.23
8/6/2007 5:40	2.059	0.23
8/6/2007 5:45	2.059	0.23
8/6/2007 5:50	2.059	0.23
8/6/2007 5:55	2.059	0.23
8/6/2007 6:00	2.059	0.23
8/6/2007 6:05	2.059	0.23
8/6/2007 6:10	2.059	0.23
8/6/2007 6:15	2.059	0.23
8/6/2007 6:20	2.059	0.23
8/6/2007 6:25	2.059	0.23
8/6/2007 6:30	2.059	0.23
8/6/2007 6:35	2.059	0.23
8/6/2007 6:40	2.059	0.23
8/6/2007 6:45	2.059	0.23
8/6/2007 6:50	2.059	0.23
8/6/2007 6:55	2.059	0.23
8/6/2007 7:00	2.06	0.23
8/6/2007 7:05	2.06	0.23
8/6/2007 7:10	2.06	0.23
8/6/2007 7:15	2.06	0.23
8/6/2007 7:20	2.06	0.23
8/6/2007 7:25	2.06	0.23
8/6/2007 7:30	2.06	0.23
8/6/2007 7:35	2.061	0.23
8/6/2007 7:40	2.061	0.23
8/6/2007 7:45	2.061	0.23
8/6/2007 7:50	2.061	0.23
8/6/2007 7:55	2.061	0.23
8/6/2007 8:00	2.061	0.23

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/6/2007 8:05	2.062	0.23
8/6/2007 8:10	2.061	0.23
8/6/2007 8:15	2.061	0.23
8/6/2007 8:20	2.06	0.23
8/6/2007 8:25	2.06	0.23
8/6/2007 8:30	2.06	0.23
8/6/2007 8:35	2.06	0.23
8/6/2007 8:40	2.06	0.23
8/6/2007 8:45	2.06	0.23
8/6/2007 8:50	2.06	0.23
8/6/2007 8:55	2.059	0.23
8/6/2007 9:00	2.06	0.23
8/6/2007 9:05	2.059	0.23
8/6/2007 9:10	2.059	0.23
8/6/2007 9:15	2.059	0.23
8/6/2007 9:20	2.058	0.23
8/6/2007 9:25	2.058	0.23
8/6/2007 9:30	2.058	0.23
8/6/2007 9:35	2.058	0.23
8/6/2007 9:40	2.058	0.23
8/6/2007 9:45	2.058	0.23
8/6/2007 9:50	2.058	0.23
8/6/2007 9:55	2.057	0.23
8/6/2007 10:00	2.058	0.23
8/6/2007 10:05	2.058	0.23
8/6/2007 10:10	2.058	0.23
8/6/2007 10:15	2.058	0.23
8/6/2007 10:20	2.058	0.23
8/6/2007 10:25	2.057	0.23
8/6/2007 10:30	2.057	0.23
8/6/2007 10:35	2.057	0.23
8/6/2007 10:40	2.057	0.23
8/6/2007 10:45	2.057	0.23
8/6/2007 10:50	2.057	7.38
8/6/2007 10:55	2.056	7.38
8/6/2007 11:00	2.056	7.38
8/6/2007 11:05	2.056	7.45
8/6/2007 11:10	2.056	7.11
8/6/2007 11:15	2.055	0.37
8/6/2007 11:20	2.056	-0.77
8/6/2007 11:25	2.055	-0.77
8/6/2007 11:30	2.054	0.08
8/6/2007 11:35	2.055	0.11
8/6/2007 11:40	2.055	0.11
8/6/2007 11:45	2.055	0.11
8/6/2007 11:50	2.054	0.11
8/6/2007 11:55	2.054	0.1
8/6/2007 12:00	2.054	0.1

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/6/2007 12:05	2.054	7.8
8/6/2007 12:10	2.054	7.8
8/6/2007 12:15	2.055	0.09
8/6/2007 12:20	2.054	0.09
8/6/2007 12:25	2.054	0.09
8/6/2007 12:30	2.055	0.09
8/6/2007 12:35	2.054	0.08
8/6/2007 12:40	2.054	0.08
8/6/2007 12:45	2.053	0.09
8/6/2007 12:50	2.053	0.09
8/6/2007 12:55	2.053	0.09
8/6/2007 13:00	2.053	0.09
8/6/2007 13:05	2.053	0.09
8/6/2007 13:10	2.052	0.09
8/6/2007 13:15	2.053	0.09
8/6/2007 13:20	2.053	0.09
8/6/2007 13:25	2.052	0.09
8/6/2007 13:30	2.052	0.08
8/6/2007 13:35	2.052	0.08
8/6/2007 13:40	2.051	0.08
8/6/2007 13:45	2.051	0.08
8/6/2007 13:50	2.052	0.08
8/6/2007 13:55	2.051	0.08
8/6/2007 14:00	2.051	0.08
8/6/2007 14:05	2.051	0.08
8/6/2007 14:10	2.051	0.08
8/6/2007 14:15	2.051	0.08
8/6/2007 14:20	2.051	0.08
8/6/2007 14:25	2.05	0.08
8/6/2007 14:30	2.05	0.08
8/6/2007 14:35	2.05	0.08
8/6/2007 14:40	2.051	0.08
8/6/2007 14:45	2.05	0.08
8/6/2007 14:50	2.049	0.2
8/6/2007 14:55	2.05	0.2
8/6/2007 15:00	2.05	0.2
8/6/2007 15:05	2.049	0.2
8/6/2007 15:10	2.05	0.2
8/6/2007 15:15	2.049	0.2
8/6/2007 15:20	2.049	0.2
8/6/2007 15:25	2.049	0.2
8/6/2007 15:30	2.049	0.2
8/6/2007 15:35	2.048	0.2
8/6/2007 15:40	2.049	0.2
8/6/2007 15:45	2.048	0.2
8/6/2007 15:50	2.048	0.2
8/6/2007 15:55	2.047	0.2
8/6/2007 16:00	2.047	0.2



UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/6/2007 16:05	2.047	0.2
8/6/2007 16:10	2.048	0.2
8/6/2007 16:15	2.048	0.2
8/6/2007 16:20	2.046	10.96
8/6/2007 16:25	2.048	10.96
8/6/2007 16:30	2.047	10.96
8/6/2007 16:35	2.046	10.96
8/6/2007 16:40	2.046	9.49
8/6/2007 16:45	2.046	6.67
8/6/2007 16:50	2.047	6.67
8/6/2007 16:55	2.046	6.67
8/6/2007 17:00	2.046	6.67
8/6/2007 17:05	2.046	9.54
8/6/2007 17:10	2.046	9.54
8/6/2007 17:15	2.046	7.87
8/6/2007 17:20	2.045	7.87
8/6/2007 17:25	2.045	7.87
8/6/2007 17:30	2.045	7.87
8/6/2007 17:35	2.045	7.87
8/6/2007 17:40	2.045	9.23
8/6/2007 17:45	2.045	9.23
8/6/2007 17:50	2.044	9.23
8/6/2007 17:55	2.044	9.23
8/6/2007 18:00	2.044	9.23
8/6/2007 18:05	2.044	9.23
8/6/2007 18:10	2.044	9.23
8/6/2007 18:15	2.044	8.78
8/6/2007 18:20	2.044	8.78
8/6/2007 18:25	2.043	8.78
8/6/2007 18:30	2.043	8.78
8/6/2007 18:35	2.043	11.95
8/6/2007 18:40	2.043	11.95
8/6/2007 18:45	2.043	11.95
8/6/2007 18:50	2.043	11.95
8/6/2007 18:55	2.043	11.95
8/6/2007 19:00	2.043	11.95
8/6/2007 19:05	2.043	11.95
8/6/2007 19:10	2.043	8.57
8/6/2007 19:15	2.043	8.57
8/6/2007 19:20	2.043	8.57
8/6/2007 19:25	2.044	8.57
8/6/2007 19:30	2.043	8.57
8/6/2007 19:35	2.044	8.57
8/6/2007 19:40	2.044	8.57
8/6/2007 19:45	2.043	8.57
8/6/2007 19:50	2.043	8.57
8/6/2007 19:55	2.043	8.57
8/6/2007 20:00	2.044	8.57

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/6/2007 20:05	2.043	8.57
8/6/2007 20:10	2.043	8.57
8/6/2007 20:15	2.044	8.57
8/6/2007 20:20	2.044	8.57
8/6/2007 20:25	2.044	8.57
8/6/2007 20:30	2.044	8.57
8/6/2007 20:35	2.043	8.57
8/6/2007 20:40	2.044	8.57
8/6/2007 20:45	2.043	8.57
8/6/2007 20:50	2.044	8.57
8/6/2007 20:55	2.044	9.91
8/6/2007 21:00	2.044	9.91
8/6/2007 21:05	2.044	9.91
8/6/2007 21:10	2.044	9.91
8/6/2007 21:15	2.044	9.91
8/6/2007 21:20	2.044	9.91
8/6/2007 21:25	2.044	9.91
8/6/2007 21:30	2.044	9.91
8/6/2007 21:35	2.044	9.91
8/6/2007 21:40	2.044	9.91
8/6/2007 21:45	2.044	9.91
8/6/2007 21:50	2.044	9.91
8/6/2007 21:55	2.044	9.91
8/6/2007 22:00	2.044	9.91
8/6/2007 22:05	2.044	9.91
8/6/2007 22:10	2.044	9.91
8/6/2007 22:15	2.043	9.91
8/6/2007 22:20	2.044	9.91
8/6/2007 22:25	2.044	9.91
8/6/2007 22:30	2.043	9.91
8/6/2007 22:35	2.043	9.91
8/6/2007 22:40	2.044	9.91
8/6/2007 22:45	2.043	9.91
8/6/2007 22:50	2.043	9.91
8/6/2007 22:55	2.043	9.91
8/6/2007 23:00	2.043	9.91
8/6/2007 23:05	2.043	9.91
8/6/2007 23:10	2.043	9.91
8/6/2007 23:15	2.043	9.91
8/6/2007 23:20	2.043	9.91
8/6/2007 23:25	2.043	9.91
8/6/2007 23:30	2.043	-0.46
8/6/2007 23:35	2.044	0.1
8/6/2007 23:40	2.044	0.1
8/6/2007 23:45	2.044	0.1
8/6/2007 23:50	2.043	0.1
8/6/2007 23:55	2.043	0.1
8/7/2007 0:00	2.044	0.1

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/7/2007 0:05	2.043	0.1
8/7/2007 0:10	2.044	0.1
8/7/2007 0:15	2.044	0.1
8/7/2007 0:20	2.044	0.1
8/7/2007 0:25	2.044	0.1
8/7/2007 0:30	2.044	0.1
8/7/2007 0:35	2.043	0.1
8/7/2007 0:40	2.044	0.1
8/7/2007 0:45	2.044	0.1
8/7/2007 0:50	2.044	0.1
8/7/2007 0:55	2.044	0.35
8/7/2007 1:00	2.044	0.35
8/7/2007 1:05	2.044	0.35
8/7/2007 1:10	2.044	0.35
8/7/2007 1:15	2.044	0.35
8/7/2007 1:20	2.044	0.35
8/7/2007 1:25	2.044	0.35
8/7/2007 1:30	2.044	-0.56
8/7/2007 1:35	2.044	-0.56
8/7/2007 1:40	2.043	-0.56
8/7/2007 1:45	2.043	-0.56
8/7/2007 1:50	2.043	-0.56
8/7/2007 1:55	2.043	-0.56
8/7/2007 2:00	2.043	-0.56
8/7/2007 2:05	2.043	-0.56
8/7/2007 2:10	2.043	0.31
8/7/2007 2:15	2.043	0.31
8/7/2007 2:20	2.043	0.31
8/7/2007 2:25	2.043	0.31
8/7/2007 2:30	2.043	0.31
8/7/2007 2:35	2.043	0.31
8/7/2007 2:40	2.043	0.31
8/7/2007 2:45	2.043	0.31
8/7/2007 2:50	2.043	0.31
8/7/2007 2:55	2.043	0.21
8/7/2007 3:00	2.043	0.21
8/7/2007 3:05	2.043	0.21
8/7/2007 3:10	2.044	0.44
8/7/2007 3:15	2.043	0.44
8/7/2007 3:20	2.043	0.44
8/7/2007 3:25	2.044	0.61
8/7/2007 3:30	2.044	0.61
8/7/2007 3:35	2.044	0.61
8/7/2007 3:40	2.044	0.61
8/7/2007 3:45	2.044	0.61
8/7/2007 3:50	2.044	0.61
8/7/2007 3:55	2.045	0.61
8/7/2007 4:00	2.045	0.61

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/7/2007 4:05	2.045	0.61
8/7/2007 4:10	2.046	0.61
8/7/2007 4:15	2.046	0.06
8/7/2007 4:20	2.047	0.06
8/7/2007 4:25	2.047	0.06
8/7/2007 4:30	2.048	0.06
8/7/2007 4:35	2.048	0.06
8/7/2007 4:40	2.048	0.06
8/7/2007 4:45	2.048	0.06
8/7/2007 4:50	2.049	0.14
8/7/2007 4:55	2.049	0.14
8/7/2007 5:00	2.05	0.14
8/7/2007 5:05	2.05	0.14
8/7/2007 5:10	2.05	0.14
8/7/2007 5:15	2.051	0.14
8/7/2007 5:20	2.051	0.14
8/7/2007 5:25	2.051	0.14
8/7/2007 5:30	2.051	0.14
8/7/2007 5:35	2.052	0.14
8/7/2007 5:40	2.053	0.14
8/7/2007 5:45	2.053	0.14
8/7/2007 5:50	2.053	0.14
8/7/2007 5:55	2.054	0.14
8/7/2007 6:00	2.054	0.14
8/7/2007 6:05	2.054	0.14
8/7/2007 6:10	2.054	0.14
8/7/2007 6:15	2.055	0.14
8/7/2007 6:20	2.055	0.14
8/7/2007 6:25	2.055	0.14
8/7/2007 6:30	2.055	0.14
8/7/2007 6:35	2.056	0.14
8/7/2007 6:40	2.057	0.14
8/7/2007 6:45	2.057	0.14
8/7/2007 6:50	2.058	0.14
8/7/2007 6:55	2.057	0.14
8/7/2007 7:00	2.058	0.14
8/7/2007 7:05	2.058	0.14
8/7/2007 7:10	2.059	0.14
8/7/2007 7:15	2.059	0.14
8/7/2007 7:20	2.059	0.14
8/7/2007 7:25	2.059	0.14
8/7/2007 7:30	2.06	0.14
8/7/2007 7:35	2.06	0.14
8/7/2007 7:40	2.06	0.14
8/7/2007 7:45	2.06	0.14
8/7/2007 7:50	2.061	0.14
8/7/2007 7:55	2.061	0.14
8/7/2007 8:00	2.061	0.14

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/7/2007 8:05	2.061	0.14
8/7/2007 8:10	2.061	0.14
8/7/2007 8:15	2.061	0.14
8/7/2007 8:20	2.061	0.14
8/7/2007 8:25	2.06	0.14
8/7/2007 8:30	2.061	0.14
8/7/2007 8:35	2.061	0.14
8/7/2007 8:40	2.06	0.14
8/7/2007 8:45	2.061	0.14
8/7/2007 8:50	2.061	0.14
8/7/2007 8:55	2.061	0.14
8/7/2007 9:00	2.061	0.09
8/7/2007 9:05	2.061	0.21
8/7/2007 9:10	2.061	0.21
8/7/2007 9:15	2.061	0.21
8/7/2007 9:20	2.061	0.08
8/7/2007 9:25	2.062	0.08
8/7/2007 9:30	2.061	0.08
8/7/2007 9:35	2.061	12.03
8/7/2007 9:40	2.06	12.03
8/7/2007 9:45	2.06	9.95
8/7/2007 9:50	2.059	9.51
8/7/2007 9:55	2.06	11.01
8/7/2007 10:00	2.059	10.39
8/7/2007 10:05	2.06	12.72
8/7/2007 10:10	2.058	12.3
8/7/2007 10:15	2.058	11.3
8/7/2007 10:20	2.059	13.54
8/7/2007 10:25	2.059	13.93
8/7/2007 10:30	2.058	14.35
8/7/2007 10:35	2.057	11.26
8/7/2007 10:40	2.058	11.26
8/7/2007 10:45	2.057	14.08
8/7/2007 10:50	2.057	10.99
8/7/2007 10:55	2.057	10.99
8/7/2007 11:00	2.056	12.02
8/7/2007 11:05	2.056	9.3
8/7/2007 11:10	2.057	9.3
8/7/2007 11:15	2.054	9.3
8/7/2007 11:20	2.055	9.3
8/7/2007 11:25	2.054	1.1
8/7/2007 11:30	2.054	1.1
8/7/2007 11:35	2.054	1.07
8/7/2007 11:40	2.053	1.07
8/7/2007 11:45	2.052	1.07
8/7/2007 11:50	2.052	1.07
8/7/2007 11:55	2.054	0.21
8/7/2007 12:00	2.052	0.21

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/7/2007 12:05	2.05	0.11
8/7/2007 12:10	2.051	0.11
8/7/2007 12:15	2.05	0.11
8/7/2007 12:20	2.05	0.12
8/7/2007 12:25	2.05	0.11
8/7/2007 12:30	2.05	0.13
8/7/2007 12:35	2.049	0.13
8/7/2007 12:40	2.05	0.13
8/7/2007 12:45	2.048	0.13
8/7/2007 12:50	2.049	0.13
8/7/2007 12:55	2.049	0.13
8/7/2007 13:00	2.048	0.13
8/7/2007 13:05	2.048	7.93
8/7/2007 13:10	2.048	7.71
8/7/2007 13:15	2.047	0.13
8/7/2007 13:20	2.047	0.13
8/7/2007 13:25	2.047	9.87
8/7/2007 13:30	2.046	9.27
8/7/2007 13:35	2.046	10.34
8/7/2007 13:40	2.046	0.1
8/7/2007 13:45	2.046	0.1
8/7/2007 13:50	2.045	0.1
8/7/2007 13:55	2.045	0.1
8/7/2007 14:00	2.046	0.1
8/7/2007 14:05	2.045	0.1
8/7/2007 14:10	2.045	0.1
8/7/2007 14:15	2.044	0.1
8/7/2007 14:20	2.045	0.1
8/7/2007 14:25	2.045	0.1
8/7/2007 14:30	2.045	0.1
8/7/2007 14:35	2.044	0.1
8/7/2007 14:40	2.045	0.1
8/7/2007 14:45	2.044	0.1
8/7/2007 14:50	2.045	0.1
8/7/2007 14:55	2.044	0.1
8/7/2007 15:00	2.045	0.1
8/7/2007 15:05	2.044	0.32
8/7/2007 15:10	2.045	0.32
8/7/2007 15:15	2.044	0.32
8/7/2007 15:20	2.045	0.32
8/7/2007 15:25	2.045	0.32
8/7/2007 15:30	2.044	0.32
8/7/2007 15:35	2.045	0.32
8/7/2007 15:40	2.044	0.32
8/7/2007 15:45	2.045	0.32
8/7/2007 15:50	2.044	0.32
8/7/2007 15:55	2.045	0.32
8/7/2007 16:00	2.045	0.32

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/7/2007 16:05	2.044	0.32
8/7/2007 16:10	2.045	0.32
8/7/2007 16:15	2.044	0.32
8/7/2007 16:20	2.044	0.32
8/7/2007 16:25	2.045	0.32
8/7/2007 16:30	2.045	0.32
8/7/2007 16:35	2.045	0.32
8/7/2007 16:40	2.045	0.32
8/7/2007 16:45	2.044	0.32
8/7/2007 16:50	2.046	0.32
8/7/2007 16:55	2.045	0.32
8/7/2007 17:00	2.046	0.32
8/7/2007 17:05	2.046	0.32
8/7/2007 17:10	2.046	0.32
8/7/2007 17:15	2.045	0.32
8/7/2007 17:20	2.046	0.3
8/7/2007 17:25	2.046	0.3
8/7/2007 17:30	2.047	0.3
8/7/2007 17:35	2.046	0.3
8/7/2007 17:40	2.046	0.3
8/7/2007 17:45	2.046	0.3
8/7/2007 17:50	2.046	0.3
8/7/2007 17:55	2.046	0.3
8/7/2007 18:00	2.045	0.3
8/7/2007 18:05	2.044	0.25
8/7/2007 18:10	2.044	0.25
8/7/2007 18:15	2.045	0.25
8/7/2007 18:20	2.045	0.25
8/7/2007 18:25	2.045	0.25
8/7/2007 18:30	2.044	0.25
8/7/2007 18:35	2.045	0.25
8/7/2007 18:40	2.044	0.25
8/7/2007 18:45	2.044	0.25
8/7/2007 18:50	2.044	0.25
8/7/2007 18:55	2.044	0.25
8/7/2007 19:00	2.044	0.25
8/7/2007 19:05	2.043	0.25
8/7/2007 19:10	2.045	0.25
8/7/2007 19:15	2.045	0.25
8/7/2007 19:20	2.044	0.25
8/7/2007 19:25	2.044	0.25
8/7/2007 19:30	2.045	0.25
8/7/2007 19:35	2.045	0.25
8/7/2007 19:40	2.046	0.25
8/7/2007 19:45	2.046	0.25
8/7/2007 19:50	2.045	0.25
8/7/2007 19:55	2.046	0.25
8/7/2007 20:00	2.047	0.25

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/7/2007 20:05	2.046	0.25
8/7/2007 20:10	2.045	0.25
8/7/2007 20:15	2.048	0.25
8/7/2007 20:20	2.047	0.25
8/7/2007 20:25	2.048	0.25
8/7/2007 20:30	2.048	0.25
8/7/2007 20:35	2.047	0.25
8/7/2007 20:40	2.047	0.25
8/7/2007 20:45	2.048	0.25
8/7/2007 20:50	2.049	0.25
8/7/2007 20:55	2.05	0.25
8/7/2007 21:00	2.049	0.25
8/7/2007 21:05	2.05	0.25
8/7/2007 21:10	2.054	0.25
8/7/2007 21:15	2.055	0.25
8/7/2007 21:20	2.055	-0.36
8/7/2007 21:25	2.057	9.92
8/7/2007 21:30	2.056	9.92
8/7/2007 21:35	2.056	10.84
8/7/2007 21:40	2.055	10.84
8/7/2007 21:45	2.057	10.84
8/7/2007 21:50	2.055	0.28
8/7/2007 21:55	2.056	0.28
8/7/2007 22:00	2.056	0.28
8/7/2007 22:05	2.056	0.28
8/7/2007 22:10	2.056	0.28
8/7/2007 22:15	2.057	0.28
8/7/2007 22:20	2.056	0.28
8/7/2007 22:25	2.056	0.28
8/7/2007 22:30	2.056	0.28
8/7/2007 22:35	2.056	0.28
8/7/2007 22:40	2.057	0.28
8/7/2007 22:45	2.057	0.28
8/7/2007 22:50	2.058	0.28
8/7/2007 22:55	2.058	0.28
8/7/2007 23:00	2.059	0.28
8/7/2007 23:05	2.058	0.28
8/7/2007 23:10	2.06	0.28
8/7/2007 23:15	2.064	0.28
8/7/2007 23:20	2.071	0.28
8/7/2007 23:25	2.076	0.28
8/7/2007 23:30	2.081	0.28
8/7/2007 23:35	2.082	0.28
8/7/2007 23:40	2.082	0.28
8/7/2007 23:45	2.08	0.28
8/7/2007 23:50	2.077	0.28
8/7/2007 23:55	2.079	0.28
8/8/2007 0:00	2.12	0.28



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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/8/2007 0:05	2.404	0.24
8/8/2007 0:10	2.542	0.42
8/8/2007 0:15	2.529	0.38
8/8/2007 0:20	2.474	0.27
8/8/2007 0:25	2.398	0.24
8/8/2007 0:30	2.393	0.25
8/8/2007 0:35	2.425	0.28
8/8/2007 0:40	2.404	0.26
8/8/2007 0:45	2.574	0.35
8/8/2007 0:50	2.954	0.74
8/8/2007 0:55	3.137	0.96
8/8/2007 1:00	3.136	1.07
8/8/2007 1:05	3.072	0.94
8/8/2007 1:10	3.012	0.81
8/8/2007 1:15	2.908	0.74
8/8/2007 1:20	2.781	0.5
8/8/2007 1:25	2.653	0.46
8/8/2007 1:30	2.555	0.35
8/8/2007 1:35	2.483	0.28
8/8/2007 1:40	2.437	0.26
8/8/2007 1:45	2.404	0.22
8/8/2007 1:50	2.38	0.21
8/8/2007 1:55	2.362	0.19
8/8/2007 2:00	2.352	0.2
8/8/2007 2:05	2.533	0.32
8/8/2007 2:10	2.988	0.76
8/8/2007 2:15	3.055	1.04
8/8/2007 2:20	2.957	0.82
8/8/2007 2:25	2.958	0.79
8/8/2007 2:30	2.907	0.75
8/8/2007 2:35	2.802	0.56
8/8/2007 2:40	2.705	0.48
8/8/2007 2:45	2.634	0.37
8/8/2007 2:50	2.584	0.33
8/8/2007 2:55	2.547	0.33
8/8/2007 3:00	2.52	0.3
8/8/2007 3:05	2.5	0.32
8/8/2007 3:10	2.484	0.29
8/8/2007 3:15	2.475	0.27
8/8/2007 3:20	2.467	0.27
8/8/2007 3:25	2.463	0.27
8/8/2007 3:30	2.462	0.27
8/8/2007 3:35	2.46	0.28
8/8/2007 3:40	2.462	0.28
8/8/2007 3:45	2.462	0.27
8/8/2007 3:50	2.463	0.28
8/8/2007 3:55	2.467	0.29
8/8/2007 4:00	2.467	0.29

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/8/2007 4:05	2.468	0.28
8/8/2007 4:10	2.472	0.32
8/8/2007 4:15	2.473	0.32
8/8/2007 4:20	2.474	0.26
8/8/2007 4:25	2.474	0.31
8/8/2007 4:30	2.474	0.27
8/8/2007 4:35	2.476	0.31
8/8/2007 4:40	2.475	0.33
8/8/2007 4:45	2.477	0.29
8/8/2007 4:50	2.477	0.29
8/8/2007 4:55	2.476	0.34
8/8/2007 5:00	2.477	0.3
8/8/2007 5:05	2.474	0.31
8/8/2007 5:10	2.473	0.26
8/8/2007 5:15	2.472	0.28
8/8/2007 5:20	2.469	0.31
8/8/2007 5:25	2.469	0.28
8/8/2007 5:30	2.467	0.3
8/8/2007 5:35	2.465	0.28
8/8/2007 5:40	2.463	0.27
8/8/2007 5:45	2.461	0.29
8/8/2007 5:50	2.458	0.29
8/8/2007 5:55	2.457	0.25
8/8/2007 6:00	2.455	0.27
8/8/2007 6:05	2.453	0.28
8/8/2007 6:10	2.451	0.28
8/8/2007 6:15	2.448	0.27
8/8/2007 6:20	2.447	0.27
8/8/2007 6:25	2.445	0.28
8/8/2007 6:30	2.443	0.24
8/8/2007 6:35	2.441	0.27
8/8/2007 6:40	2.439	0.29
8/8/2007 6:45	2.437	0.26
8/8/2007 6:50	2.438	0.26
8/8/2007 6:55	2.437	0.25
8/8/2007 7:00	2.434	0.28
8/8/2007 7:05	2.433	0.26
8/8/2007 7:10	2.431	0.26
8/8/2007 7:15	2.428	0.23
8/8/2007 7:20	2.427	0.24
8/8/2007 7:25	2.425	0.25
8/8/2007 7:30	2.423	0.29
8/8/2007 7:35	2.421	0.26
8/8/2007 7:40	2.42	0.26
8/8/2007 7:45	2.418	0.26
8/8/2007 7:50	2.417	0.24
8/8/2007 7:55	2.414	0.25
8/8/2007 8:00	2.412	0.25

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/8/2007 8:05	2.409	0.25
8/8/2007 8:10	2.409	0.27
8/8/2007 8:15	2.407	0.27
8/8/2007 8:20	2.406	0.27
8/8/2007 8:25	2.402	0.26
8/8/2007 8:30	2.401	0.23
8/8/2007 8:35	2.401	0.23
8/8/2007 8:40	2.397	0.23
8/8/2007 8:45	2.396	0.25
8/8/2007 8:50	2.394	0.25
8/8/2007 8:55	2.394	0.24
8/8/2007 9:00	2.392	0.24
8/8/2007 9:05	2.391	0.25
8/8/2007 9:10	2.389	0.22
8/8/2007 9:15	2.388	0.22
8/8/2007 9:20	2.386	0.21
8/8/2007 9:25	2.384	0.22
8/8/2007 9:30	2.382	0.23
8/8/2007 9:35	2.381	0.22
8/8/2007 9:40	2.38	0.2
8/8/2007 9:45	2.376	0.2
8/8/2007 9:50	2.376	0.2
8/8/2007 9:55	2.374	0.2
8/8/2007 10:00	2.372	0.24
8/8/2007 10:05	2.374	0.24
8/8/2007 10:10	2.371	0.22
8/8/2007 10:15	2.369	0.21
8/8/2007 10:20	2.366	0.22
8/8/2007 10:25	2.367	0.2
8/8/2007 10:30	2.366	0.2
8/8/2007 10:35	2.363	0.19
8/8/2007 10:40	2.361	0.2
8/8/2007 10:45	2.361	0.2
8/8/2007 10:50	2.361	0.2
8/8/2007 10:55	2.358	0.2
8/8/2007 11:00	2.356	0.2
8/8/2007 11:05	2.356	0.2
8/8/2007 11:10	2.354	0.2
8/8/2007 11:15	2.353	0.19
8/8/2007 11:20	2.347	0.19
8/8/2007 11:25	2.35	0.18
8/8/2007 11:30	2.349	0.19
8/8/2007 11:35	2.348	0.19
8/8/2007 11:40	2.347	0.2
8/8/2007 11:45	2.345	0.2
8/8/2007 11:50	2.341	0.2
8/8/2007 11:55	2.344	0.18
8/8/2007 12:00	2.34	0.18

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/8/2007 12:05	2.34	0.16
8/8/2007 12:10	2.341	0.16
8/8/2007 12:15	2.346	0.16
8/8/2007 12:20	2.369	0.22
8/8/2007 12:25	2.368	0.24
8/8/2007 12:30	2.361	0.2
8/8/2007 12:35	2.354	0.23
8/8/2007 12:40	2.347	0.23
8/8/2007 12:45	2.344	0.2
8/8/2007 12:50	2.34	0.17
8/8/2007 12:55	2.338	0.17
8/8/2007 13:00	2.335	0.19
8/8/2007 13:05	2.332	0.19
8/8/2007 13:10	2.332	0.19
8/8/2007 13:15	2.327	0.19
8/8/2007 13:20	2.328	0.19
8/8/2007 13:25	2.325	0.18
8/8/2007 13:30	2.326	0.18
8/8/2007 13:35	2.325	0.18
8/8/2007 13:40	2.323	0.2
8/8/2007 13:45	2.322	0.17
8/8/2007 13:50	2.321	0.17
8/8/2007 13:55	2.322	0.18
8/8/2007 14:00	2.31	0.22
8/8/2007 14:05	2.318	0.22
8/8/2007 14:10	2.319	0.22
8/8/2007 14:15	2.316	0.22
8/8/2007 14:20	2.313	0.22
8/8/2007 14:25	2.313	0.22
8/8/2007 14:30	2.31	0.22
8/8/2007 14:35	2.309	0.15
8/8/2007 14:40	2.307	0.15
8/8/2007 14:45	2.31	0.15
8/8/2007 14:50	2.304	0.18
8/8/2007 14:55	2.305	0.18
8/8/2007 15:00	2.308	0.18
8/8/2007 15:05	2.303	0.18
8/8/2007 15:10	2.305	0.18
8/8/2007 15:15	2.304	0.18
8/8/2007 15:20	2.3	0.18
8/8/2007 15:25	2.302	0.18
8/8/2007 15:30	2.298	0.18
8/8/2007 15:35	2.298	0.18
8/8/2007 15:40	2.3	0.18
8/8/2007 15:45	2.298	0.18
8/8/2007 15:50	2.294	0.18
8/8/2007 15:55	2.297	0.18
8/8/2007 16:00	2.298	0.18

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/8/2007 16:05	2.294	0.16
8/8/2007 16:10	2.296	0.16
8/8/2007 16:15	2.297	0.16
8/8/2007 16:20	2.292	0.16
8/8/2007 16:25	2.293	0.16
8/8/2007 16:30	2.291	0.16
8/8/2007 16:35	2.289	0.16
8/8/2007 16:40	2.289	0.16
8/8/2007 16:45	2.288	0.16
8/8/2007 16:50	2.289	0.16
8/8/2007 16:55	2.286	0.18
8/8/2007 17:00	2.286	0.18
8/8/2007 17:05	2.287	0.18
8/8/2007 17:10	2.287	0.18
8/8/2007 17:15	2.286	0.18
8/8/2007 17:20	2.285	0.18
8/8/2007 17:25	2.283	0.18
8/8/2007 17:30	2.283	0.18
8/8/2007 17:35	2.283	0.18
8/8/2007 17:40	2.284	0.18
8/8/2007 17:45	2.283	0.18
8/8/2007 17:50	2.279	0.18
8/8/2007 17:55	2.278	0.18
8/8/2007 18:00	2.279	0.18
8/8/2007 18:05	2.28	0.18
8/8/2007 18:10	2.278	0.18
8/8/2007 18:15	2.28	0.18
8/8/2007 18:20	2.278	0.18
8/8/2007 18:25	2.28	0.18
8/8/2007 18:30	2.277	0.17
8/8/2007 18:35	2.275	0.17
8/8/2007 18:40	2.277	0.17
8/8/2007 18:45	2.273	0.17
8/8/2007 18:50	2.274	0.17
8/8/2007 18:55	2.273	0.17
8/8/2007 19:00	2.276	0.17
8/8/2007 19:05	2.271	0.38
8/8/2007 19:10	2.275	0.38
8/8/2007 19:15	2.273	0.38
8/8/2007 19:20	2.273	0.38
8/8/2007 19:25	2.268	0.16
8/8/2007 19:30	2.268	0.15
8/8/2007 19:35	2.268	0.16
8/8/2007 19:40	2.27	0.16
8/8/2007 19:45	2.27	0.15
8/8/2007 19:50	2.268	0.15
8/8/2007 19:55	2.269	0.16
8/8/2007 20:00	2.269	0.15

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	Upstream Level Level ft 0.001 5	Upstream Velocity Velocity ft/s 0.01 4
8/8/2007 20:05	2.268	0.16
8/8/2007 20:10	2.267	0.16
8/8/2007 20:15	2.268	0.16
8/8/2007 20:20	2.269	0.15
8/8/2007 20:25	2.267	0.15
8/8/2007 20:30	2.265	0.15
8/8/2007 20:35	2.266	0.15
8/8/2007 20:40	2.263	0.15
8/8/2007 20:45	2.261	0.15
8/8/2007 20:50	2.265	0.15
8/8/2007 20:55	2.262	0.15
8/8/2007 21:00	2.263	0.15
8/8/2007 21:05	2.261	0.15
8/8/2007 21:10	2.265	0.15
8/8/2007 21:15	2.264	0.15
8/8/2007 21:20	2.264	0.15
8/8/2007 21:25	2.263	0.15
8/8/2007 21:30	2.265	0.15
8/8/2007 21:35	2.262	0.15
8/8/2007 21:40	2.263	0.15
8/8/2007 21:45	2.26	0.15
8/8/2007 21:50	2.261	0.15
8/8/2007 21:55	2.26	0.15
8/8/2007 22:00	2.261	0.15
8/8/2007 22:05	2.259	0.15
8/8/2007 22:10	2.257	0.15
8/8/2007 22:15	2.257	0.15
8/8/2007 22:20	2.259	0.15
8/8/2007 22:25	2.258	0.15
8/8/2007 22:30	2.257	0.15
8/8/2007 22:35	2.258	0.15
8/8/2007 22:40	2.258	0.15
8/8/2007 22:45	2.256	0.15
8/8/2007 22:50	2.259	0.15
8/8/2007 22:55	2.254	0.15
8/8/2007 23:00	2.256	0.15
8/8/2007 23:05	2.254	0.15
8/8/2007 23:10	2.255	0.53
8/8/2007 23:15	2.255	0.19
8/8/2007 23:20	2.254	0.19
8/8/2007 23:25	2.253	0.19
8/8/2007 23:30	2.254	0.19
8/8/2007 23:35	2.254	0.19
8/8/2007 23:40	2.256	0.19
8/8/2007 23:45	2.251	0.15
8/8/2007 23:50	2.252	0.15
8/8/2007 23:55	2.256	0.15
8/9/2007 0:00	2.254	0.15

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 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/25/2007 17:40	1.814	8.56
7/25/2007 17:45	1.814	8.56
7/25/2007 17:50	1.814	8.56
7/25/2007 17:55	1.814	8.56
7/25/2007 18:00	1.814	8.56
7/25/2007 18:05	1.814	8.56
7/25/2007 18:10	1.814	8.56
7/25/2007 18:15	1.814	8.56
7/25/2007 18:20	1.814	8.56
7/25/2007 18:25	1.814	8.56
7/25/2007 18:30	1.814	8.56
7/25/2007 18:35	1.814	8.56
7/25/2007 18:40	1.814	8.56
7/25/2007 18:45	1.814	8.56
7/25/2007 18:50	1.814	8.56
7/25/2007 18:55	1.814	8.56
7/25/2007 19:00	1.814	8.56
7/25/2007 19:05	1.814	8.56
7/25/2007 19:10	1.814	8.56
7/25/2007 19:15	1.814	8.56
7/25/2007 19:20	1.814	8.56
7/25/2007 19:25	1.814	8.56
7/25/2007 19:30	1.814	8.56
7/25/2007 19:35	1.814	8.56
7/25/2007 19:40	1.814	8.56
7/25/2007 19:45	1.814	8.56
7/25/2007 19:50	1.814	8.56
7/25/2007 19:55	1.814	8.56
7/25/2007 20:00	1.814	8.56
7/25/2007 20:05	1.814	8.56
7/25/2007 20:10	1.814	8.56
7/25/2007 20:15	1.814	8.56
7/25/2007 20:20	1.814	8.56
7/25/2007 20:25	1.814	8.56
7/25/2007 20:30	1.814	8.56
7/25/2007 20:35	1.814	8.56
7/25/2007 20:40	1.814	8.56
7/25/2007 20:45	1.814	8.56
7/25/2007 20:50	1.814	8.56
7/25/2007 20:55	1.814	8.56
7/25/2007 21:00	1.814	8.56
7/25/2007 21:05	1.814	8.56
7/25/2007 21:10	1.814	8.56
7/25/2007 21:15	1.814	8.56
7/25/2007 21:20	1.814	8.56
7/25/2007 21:25	1.814	8.56
7/25/2007 21:30	1.814	8.56
7/25/2007 21:35	1.814	8.56

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/25/2007 21:40	1.814	8.56
7/25/2007 21:45	1.814	8.56
7/25/2007 21:50	1.814	8.56
7/25/2007 21:55	1.814	8.56
7/25/2007 22:00	1.814	8.56
7/25/2007 22:05	1.814	8.56
7/25/2007 22:10	1.814	8.56
7/25/2007 22:15	1.814	8.56
7/25/2007 22:20	1.814	8.56
7/25/2007 22:25	1.814	8.56
7/25/2007 22:30	1.814	8.56
7/25/2007 22:35	1.814	8.56
7/25/2007 22:40	1.814	8.56
7/25/2007 22:45	1.814	8.56
7/25/2007 22:50	1.814	8.56
7/25/2007 22:55	1.814	8.56
7/25/2007 23:00	1.814	8.56
7/25/2007 23:05	1.814	8.56
7/25/2007 23:10	1.814	8.56
7/25/2007 23:15	1.814	8.56
7/25/2007 23:20	1.814	8.56
7/25/2007 23:25	1.814	8.56
7/25/2007 23:30	1.814	8.56
7/25/2007 23:35	1.814	8.56
7/25/2007 23:40	1.814	8.56
7/25/2007 23:45	1.814	8.56
7/25/2007 23:50	1.814	8.56
7/25/2007 23:55	1.814	8.56
7/26/2007 0:00	1.814	8.56
7/26/2007 0:05	1.814	8.56
7/26/2007 0:10	1.814	8.56
7/26/2007 0:15	1.814	8.56
7/26/2007 0:20	1.814	8.56
7/26/2007 0:25	1.814	8.56
7/26/2007 0:30	1.814	8.56
7/26/2007 0:35	1.814	8.56
7/26/2007 0:40	1.814	8.56
7/26/2007 0:45	1.814	8.56
7/26/2007 0:50	1.814	8.56
7/26/2007 0:55	1.814	8.56
7/26/2007 1:00	1.814	8.56
7/26/2007 1:05	1.814	8.56
7/26/2007 1:10	1.814	8.56
7/26/2007 1:15	1.814	8.56
7/26/2007 1:20	1.814	8.56
7/26/2007 1:25	1.814	8.56
7/26/2007 1:30	1.814	8.56
7/26/2007 1:35	1.814	8.56



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UNKAMET BROOK AREA  
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Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/26/2007 1:40	1.814	8.56
7/26/2007 1:45	1.814	8.56
7/26/2007 1:50	1.814	8.56
7/26/2007 1:55	1.814	8.56
7/26/2007 2:00	1.814	8.56
7/26/2007 2:05	1.814	8.56
7/26/2007 2:10	1.814	8.56
7/26/2007 2:15	1.814	8.56
7/26/2007 2:20	1.814	8.56
7/26/2007 2:25	1.814	8.56
7/26/2007 2:30	1.814	8.56
7/26/2007 2:35	1.814	8.56
7/26/2007 2:40	1.814	8.56
7/26/2007 2:45	1.814	8.56
7/26/2007 2:50	1.814	8.56
7/26/2007 2:55	1.814	8.56
7/26/2007 3:00	1.814	8.56
7/26/2007 3:05	1.814	8.56
7/26/2007 3:10	1.814	8.56
7/26/2007 3:15	1.814	8.56
7/26/2007 3:20	1.814	8.56
7/26/2007 3:25	1.814	8.56
7/26/2007 3:30	1.814	8.56
7/26/2007 3:35	1.814	8.56
7/26/2007 3:40	1.814	8.56
7/26/2007 3:45	1.814	8.56
7/26/2007 3:50	1.814	8.56
7/26/2007 3:55	1.814	8.56
7/26/2007 4:00	1.814	8.56
7/26/2007 4:05	1.814	8.56
7/26/2007 4:10	1.814	8.56
7/26/2007 4:15	1.814	8.56
7/26/2007 4:20	1.814	8.56
7/26/2007 4:25	1.814	8.56
7/26/2007 4:30	1.814	8.56
7/26/2007 4:35	1.814	8.56
7/26/2007 4:40	1.814	8.56
7/26/2007 4:45	1.814	8.56
7/26/2007 4:50	1.814	8.56
7/26/2007 4:55	1.814	8.56
7/26/2007 5:00	1.814	8.56
7/26/2007 5:05	1.814	8.56
7/26/2007 5:10	1.814	8.56
7/26/2007 5:15	1.814	8.56
7/26/2007 5:20	1.814	8.56
7/26/2007 5:25	1.814	8.56
7/26/2007 5:30	1.814	8.56
7/26/2007 5:35	1.814	8.56

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/26/2007 5:40	1.814	8.56
7/26/2007 5:45	1.814	8.56
7/26/2007 5:50	1.814	8.56
7/26/2007 5:55	1.814	8.56
7/26/2007 6:00	1.814	8.56
7/26/2007 6:05	1.814	8.56
7/26/2007 6:10	1.814	8.56
7/26/2007 6:15	1.814	8.56
7/26/2007 6:20	1.814	8.56
7/26/2007 6:25	1.814	8.56
7/26/2007 6:30	1.814	8.56
7/26/2007 6:35	1.814	8.56
7/26/2007 6:40	1.814	8.56
7/26/2007 6:45	1.814	8.56
7/26/2007 6:50	1.814	8.56
7/26/2007 6:55	1.814	8.56
7/26/2007 7:00	1.814	8.56
7/26/2007 7:05	1.814	8.56
7/26/2007 7:10	1.814	8.56
7/26/2007 7:15	1.814	8.56
7/26/2007 7:20	1.814	8.56
7/26/2007 7:25	1.814	8.56
7/26/2007 7:30	1.814	8.56
7/26/2007 7:35	1.814	8.56
7/26/2007 7:40	1.814	8.56
7/26/2007 7:45	1.814	8.56
7/26/2007 7:50	1.814	8.56
7/26/2007 7:55	1.814	8.56
7/26/2007 8:00	1.814	8.56
7/26/2007 8:05	1.814	8.56
7/26/2007 8:10	1.814	8.56
7/26/2007 8:15	1.814	8.56
7/26/2007 8:20	1.814	8.56
7/26/2007 8:25	1.814	8.56
7/26/2007 8:30	1.814	8.56
7/26/2007 8:35	1.814	8.56
7/26/2007 8:40	1.814	8.56
7/26/2007 8:45	1.814	8.56
7/26/2007 8:50	1.814	8.56
7/26/2007 8:55	1.814	8.56
7/26/2007 9:00	1.814	8.56
7/26/2007 9:05	1.814	8.56
7/26/2007 9:10	1.814	8.56
7/26/2007 9:15	1.814	8.56
7/26/2007 9:20	1.814	8.56
7/26/2007 9:25	1.814	8.56
7/26/2007 9:30	1.814	8.56
7/26/2007 9:35	1.814	8.56

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/26/2007 9:45	1.814	8.56
7/26/2007 9:50	1.814	8.56
7/26/2007 9:55	1.814	8.56
7/26/2007 10:00	1.814	8.56
7/26/2007 10:05	1.814	8.56
7/26/2007 10:10	1.814	8.56
7/26/2007 10:15	1.814	8.56
7/26/2007 10:20	1.814	8.56
7/26/2007 10:25	1.814	8.56
7/26/2007 10:30	1.814	8.56
7/26/2007 10:35	1.814	8.56
7/26/2007 10:40	1.814	8.56
7/26/2007 10:45	1.814	8.56
7/26/2007 10:50	1.814	8.56
7/26/2007 10:55	1.814	8.56
7/26/2007 11:00	1.814	8.56
7/26/2007 11:05	1.814	8.56
7/26/2007 11:10	1.814	8.56
7/26/2007 11:15	1.814	8.56
7/26/2007 11:20	1.814	8.56
7/26/2007 11:25	1.814	8.56
7/26/2007 11:30	1.814	8.56
7/26/2007 11:35	1.814	8.56
7/26/2007 11:40	1.814	8.56
7/26/2007 11:45	1.814	8.56
7/26/2007 11:50	1.814	8.56
7/26/2007 11:55	1.814	8.56
7/26/2007 12:00	1.814	8.56
7/26/2007 12:05	1.814	8.56
7/26/2007 12:10	1.814	8.56
7/26/2007 12:15	1.814	8.56
7/26/2007 12:20	1.814	8.56
7/26/2007 12:25	1.814	8.56
7/26/2007 12:30	1.814	8.56
7/26/2007 12:35	1.814	8.56
7/26/2007 12:40	1.814	8.56
7/26/2007 12:45	1.814	8.56
7/26/2007 12:50	1.814	8.56
7/26/2007 12:55	1.814	8.56
7/26/2007 13:00	1.814	8.56
7/26/2007 13:05	1.814	8.56
7/26/2007 13:10	1.814	8.56
7/26/2007 13:15	1.814	8.56
7/26/2007 13:20	1.814	8.56
7/26/2007 13:25	1.814	8.56
7/26/2007 13:30	1.814	8.56
7/26/2007 13:35	1.814	8.56

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
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7/26/2007 13:45	1.814	8.56
7/26/2007 13:50	1.814	8.56
7/26/2007 13:55	1.814	8.56
7/26/2007 14:00	1.814	8.56
7/26/2007 14:05	1.814	8.56
7/26/2007 14:10	1.814	8.56
7/26/2007 14:15	1.814	8.56
7/26/2007 14:20	1.814	8.56
7/26/2007 14:25	1.814	8.56
7/26/2007 14:30	1.814	8.56
7/26/2007 14:35	1.814	8.56
7/26/2007 14:40	1.814	8.56
7/26/2007 14:45	1.814	8.56
7/26/2007 14:50	1.814	8.56
7/26/2007 14:55	1.814	8.56
7/26/2007 15:00	1.814	8.56
7/26/2007 15:05	1.814	8.56
7/26/2007 15:10	1.814	8.56
7/26/2007 15:15	1.814	8.56
7/26/2007 15:20	1.814	8.56
7/26/2007 15:25	1.814	8.56
7/26/2007 15:30	1.814	8.56
7/26/2007 15:35	1.814	8.56
7/26/2007 15:40	1.814	8.56
7/26/2007 15:45	1.814	8.56
7/26/2007 15:50	1.814	8.56
7/26/2007 15:55	1.814	8.56
7/26/2007 16:00	1.814	8.56
7/26/2007 16:05	1.814	8.56
7/26/2007 16:10	1.814	8.56
7/26/2007 16:15	1.814	8.56
7/26/2007 16:20	1.814	8.56
7/26/2007 16:25	1.814	8.56
7/26/2007 16:30	1.814	8.56
7/26/2007 16:35	1.814	8.56
7/26/2007 16:40	1.814	8.56
7/26/2007 16:45	1.814	8.56
7/26/2007 16:50	1.814	8.56
7/26/2007 16:55	1.814	8.56
7/26/2007 17:00	1.814	8.56
7/26/2007 17:05	1.814	8.56
7/26/2007 17:10	1.814	8.56
7/26/2007 17:15	1.814	8.56
7/26/2007 17:20	1.814	8.56
7/26/2007 17:25	1.814	8.56
7/26/2007 17:30	1.814	8.56
7/26/2007 17:35	1.814	8.56

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/26/2007 17:40	1.814	8.56
7/26/2007 17:45	1.814	8.56
7/26/2007 17:50	1.814	8.56
7/26/2007 17:55	1.814	8.56
7/26/2007 18:00	1.814	8.56
7/26/2007 18:05	1.814	8.56
7/26/2007 18:10	1.814	8.56
7/26/2007 18:15	1.814	8.56
7/26/2007 18:20	1.814	8.56
7/26/2007 18:25	1.814	8.56
7/26/2007 18:30	1.814	8.56
7/26/2007 18:35	1.814	8.56
7/26/2007 18:40	1.814	8.56
7/26/2007 18:45	1.814	8.56
7/26/2007 18:50	1.814	8.56
7/26/2007 18:55	1.814	8.56
7/26/2007 19:00	1.814	8.56
7/26/2007 19:05	1.814	8.56
7/26/2007 19:10	1.814	8.56
7/26/2007 19:15	1.814	8.56
7/26/2007 19:20	1.814	8.56
7/26/2007 19:25	1.814	8.56
7/26/2007 19:30	1.814	8.56
7/26/2007 19:35	1.814	8.56
7/26/2007 19:40	1.814	8.56
7/26/2007 19:45	1.814	8.56
7/26/2007 19:50	1.814	8.56
7/26/2007 19:55	1.814	8.56
7/26/2007 20:00	1.814	8.56
7/26/2007 20:05	1.814	8.56
7/26/2007 20:10	1.814	8.56
7/26/2007 20:15	1.814	8.56
7/26/2007 20:20	1.814	8.56
7/26/2007 20:25	1.814	8.56
7/26/2007 20:30	1.814	8.56
7/26/2007 20:35	1.814	8.56
7/26/2007 20:40	1.814	8.56
7/26/2007 20:45	1.814	8.56
7/26/2007 20:50	1.814	8.56
7/26/2007 20:55	1.814	8.56
7/26/2007 21:00	1.814	8.56
7/26/2007 21:05	1.814	8.56
7/26/2007 21:10	1.814	8.56
7/26/2007 21:15	1.814	8.56
7/26/2007 21:20	1.814	8.56
7/26/2007 21:25	1.814	8.56
7/26/2007 21:30	1.814	8.56
7/26/2007 21:35	1.814	8.56

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/26/2007 21:40	1.814	8.56
7/26/2007 21:45	1.814	8.56
7/26/2007 21:50	1.814	8.56
7/26/2007 21:55	1.814	8.56
7/26/2007 22:00	1.814	8.56
7/26/2007 22:05	1.814	8.56
7/26/2007 22:10	1.814	8.56
7/26/2007 22:15	1.814	8.56
7/26/2007 22:20	1.814	8.56
7/26/2007 22:25	1.814	8.56
7/26/2007 22:30	1.814	8.56
7/26/2007 22:35	1.814	8.56
7/26/2007 22:40	1.814	8.56
7/26/2007 22:45	1.814	8.56
7/26/2007 22:50	1.814	8.56
7/26/2007 22:55	1.814	8.56
7/26/2007 23:00	1.814	8.56
7/26/2007 23:05	1.814	8.56
7/26/2007 23:10	1.814	8.56
7/26/2007 23:15	1.814	8.56
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7/26/2007 23:25	1.814	8.56
7/26/2007 23:30	1.814	8.56
7/26/2007 23:35	1.814	8.56
7/26/2007 23:40	1.814	8.56
7/26/2007 23:45	1.814	8.56
7/26/2007 23:50	1.814	8.56
7/26/2007 23:55	1.814	8.56
7/27/2007 0:00	1.814	8.56
7/27/2007 0:05	1.814	8.56
7/27/2007 0:10	1.814	8.56
7/27/2007 0:15	1.814	8.56
7/27/2007 0:20	1.814	8.56
7/27/2007 0:25	1.814	8.56
7/27/2007 0:30	1.814	8.56
7/27/2007 0:35	1.814	8.56
7/27/2007 0:40	1.814	8.56
7/27/2007 0:45	1.814	8.56
7/27/2007 0:50	1.814	8.56
7/27/2007 0:55	1.814	8.56
7/27/2007 1:00	1.814	8.56
7/27/2007 1:05	1.814	8.56
7/27/2007 1:10	1.814	8.56
7/27/2007 1:15	1.814	8.56
7/27/2007 1:20	1.814	8.56
7/27/2007 1:25	1.814	8.56
7/27/2007 1:30	1.814	8.56
7/27/2007 1:35	1.814	8.56

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7/27/2007 1:55	1.814	8.56
7/27/2007 2:00	1.814	8.56
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7/27/2007 2:10	1.814	8.56
7/27/2007 2:15	1.814	8.56
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7/27/2007 2:25	1.814	8.56
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7/27/2007 2:40	1.814	8.56
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7/27/2007 2:50	1.814	8.56
7/27/2007 2:55	1.814	8.56
7/27/2007 3:00	1.814	8.56
7/27/2007 3:05	1.814	8.56
7/27/2007 3:10	1.814	8.56
7/27/2007 3:15	1.814	8.56
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7/27/2007 3:25	1.814	8.56
7/27/2007 3:30	1.814	8.56
7/27/2007 3:35	1.814	8.56
7/27/2007 3:40	1.814	8.56
7/27/2007 3:45	1.814	8.56
7/27/2007 3:50	1.814	8.56
7/27/2007 3:55	1.814	8.56
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7/27/2007 4:55	1.814	8.56
7/27/2007 5:00	1.814	8.56
7/27/2007 5:05	1.814	8.56
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7/27/2007 5:15	1.814	8.56
7/27/2007 5:20	1.814	8.56
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7/27/2007 6:10	1.814	8.56
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7/27/2007 6:30	1.814	8.56
7/27/2007 6:35	1.814	8.56
7/27/2007 6:40	1.814	8.56
7/27/2007 6:45	1.814	8.56
7/27/2007 6:50	1.814	8.56
7/27/2007 6:55	1.814	8.56
7/27/2007 7:00	1.814	8.56
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7/27/2007 7:30	1.814	8.56
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7/27/2007 7:45	1.814	8.56
7/27/2007 7:50	1.814	8.56
7/27/2007 7:55	1.814	8.56
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7/27/2007 9:15	1.814	8.56
7/27/2007 9:20	1.814	8.56
7/27/2007 9:25	1.814	8.56
7/27/2007 9:30	1.814	8.56
7/27/2007 9:35	1.814	8.56



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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/27/2007 9:40	1.814	8.56
7/27/2007 9:45	1.814	8.56
7/27/2007 9:50	1.814	8.56
7/27/2007 9:55	1.814	8.56
7/27/2007 10:00	1.814	8.56
7/27/2007 10:05	1.814	8.56
7/27/2007 10:10	1.814	8.56
7/27/2007 10:15	1.814	8.56
7/27/2007 10:20	1.814	8.56
7/27/2007 10:25	1.814	8.56
7/27/2007 10:30	1.814	8.56
7/27/2007 10:35	1.814	8.56
7/27/2007 10:40	1.814	8.56
7/27/2007 10:45	1.814	8.56
7/27/2007 10:50	1.814	8.56
7/27/2007 10:55	1.814	8.56
7/27/2007 11:00	1.814	8.56
7/27/2007 11:05	1.814	8.56
7/27/2007 11:10	1.814	8.56
7/27/2007 11:15	1.814	8.56
7/27/2007 11:20	1.814	8.56
7/27/2007 11:25	1.814	8.56
7/27/2007 11:30	1.814	8.56
7/27/2007 11:35	1.814	8.56
7/27/2007 11:40	1.814	8.56
7/27/2007 11:45	1.814	8.56
7/27/2007 11:50	1.814	8.56
7/27/2007 11:55	1.814	8.56
7/27/2007 12:00	1.814	8.56
7/27/2007 12:05	1.814	8.56
7/27/2007 12:10	1.814	8.56
7/27/2007 12:15	1.814	8.56
7/27/2007 12:20	1.814	8.56
7/27/2007 12:25	1.814	8.56
7/27/2007 12:30	1.814	8.56
7/27/2007 12:35	1.814	8.56
7/27/2007 12:40	1.814	8.56
7/27/2007 12:45	1.814	8.56
7/27/2007 12:50	1.814	8.56
7/27/2007 12:55	1.814	8.56
7/27/2007 13:00	1.814	8.56
7/27/2007 13:05	1.814	8.56
7/27/2007 13:10	1.814	8.56
7/27/2007 13:15	1.814	8.56
7/27/2007 13:20	1.814	8.56
7/27/2007 13:25	1.814	8.56
7/27/2007 13:30	1.814	8.56
7/27/2007 13:35	1.814	8.56

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/27/2007 13:40	1.814	8.56
7/27/2007 13:45	1.814	8.56
7/27/2007 13:50	1.814	8.56
7/27/2007 13:55	1.814	8.56
7/27/2007 14:00	1.814	8.56
7/27/2007 14:05	1.814	8.56
7/27/2007 14:10	1.814	8.56
7/27/2007 14:15	1.814	8.56
7/27/2007 14:20	1.814	8.56
7/27/2007 14:25	1.814	8.56
7/27/2007 14:30	1.814	8.56
7/27/2007 14:35	1.814	8.56
7/27/2007 14:40	1.814	8.56
7/27/2007 14:45	1.814	8.56
7/27/2007 14:50	1.814	8.56
7/27/2007 14:55	1.814	8.56
7/27/2007 15:00	1.814	8.56
7/27/2007 15:05	1.814	8.56
7/27/2007 15:10	1.814	8.56
7/27/2007 15:15	1.814	8.56
7/27/2007 15:20	1.814	8.56
7/27/2007 15:25	1.814	8.56
7/27/2007 15:30	1.814	8.56
7/27/2007 15:35	1.814	8.56
7/27/2007 15:40	1.814	8.56
7/27/2007 15:45	1.814	8.56
7/27/2007 15:50	1.814	8.56
7/27/2007 15:55	1.814	8.56
7/27/2007 16:00	1.814	8.56
7/27/2007 16:05	1.814	8.56
7/27/2007 16:10	1.814	8.56
7/27/2007 16:15	1.814	8.56
7/27/2007 16:20	1.814	8.56
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7/27/2007 16:30	1.814	8.56
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7/27/2007 16:45	1.814	8.56
7/27/2007 16:50	1.814	8.56
7/27/2007 16:55	1.814	8.56
7/27/2007 17:00	1.814	8.56
7/27/2007 17:05	1.814	8.56
7/27/2007 17:10	1.814	8.56
7/27/2007 17:15	1.814	8.56
7/27/2007 17:20	1.814	8.56
7/27/2007 17:25	1.814	8.56
7/27/2007 17:30	1.814	8.56
7/27/2007 17:35	1.814	8.56

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 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/27/2007 17:55	1.814	8.56
7/27/2007 18:00	1.814	8.56
7/27/2007 18:05	1.814	8.56
7/27/2007 18:10	1.814	8.56
7/27/2007 18:15	1.814	8.56
7/27/2007 18:20	1.814	8.56
7/27/2007 18:25	1.814	8.56
7/27/2007 18:30	1.814	8.56
7/27/2007 18:35	1.814	8.56
7/27/2007 18:40	1.814	8.56
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7/27/2007 18:50	1.814	8.56
7/27/2007 18:55	1.814	8.56
7/27/2007 19:00	1.814	8.56
7/27/2007 19:05	1.814	8.56
7/27/2007 19:10	1.814	8.56
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7/27/2007 19:40	1.814	8.56
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7/27/2007 19:50	1.814	8.56
7/27/2007 19:55	1.814	8.56
7/27/2007 20:00	1.814	8.56
7/27/2007 20:05	1.814	8.56
7/27/2007 20:10	1.814	8.56
7/27/2007 20:15	1.814	8.56
7/27/2007 20:20	1.814	8.56
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7/27/2007 20:45	1.814	8.56
7/27/2007 20:50	1.814	8.56
7/27/2007 20:55	1.814	8.56
7/27/2007 21:00	1.814	8.56
7/27/2007 21:05	1.814	8.56
7/27/2007 21:10	1.814	8.56
7/27/2007 21:15	1.814	8.56
7/27/2007 21:20	1.814	8.56
7/27/2007 21:25	1.814	8.56
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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/27/2007 21:55	1.814	8.56
7/27/2007 22:00	1.814	8.56
7/27/2007 22:05	1.814	8.56
7/27/2007 22:10	1.814	8.56
7/27/2007 22:15	1.814	8.56
7/27/2007 22:20	1.814	8.56
7/27/2007 22:25	1.814	8.56
7/27/2007 22:30	1.814	8.56
7/27/2007 22:35	1.814	8.56
7/27/2007 22:40	1.814	8.56
7/27/2007 22:45	1.814	8.56
7/27/2007 22:50	1.814	8.56
7/27/2007 22:55	1.814	8.56
7/27/2007 23:00	1.814	8.56
7/27/2007 23:05	1.814	8.56
7/27/2007 23:10	1.814	8.56
7/27/2007 23:15	1.814	8.56
7/27/2007 23:20	1.814	8.56
7/27/2007 23:25	1.814	8.56
7/27/2007 23:30	1.814	8.56
7/27/2007 23:35	1.814	8.56
7/27/2007 23:40	1.814	8.56
7/27/2007 23:45	1.814	8.56
7/27/2007 23:50	1.814	8.56
7/27/2007 23:55	1.814	8.56
7/28/2007 0:00	1.814	8.56
7/28/2007 0:05	1.814	8.56
7/28/2007 0:10	1.814	8.56
7/28/2007 0:15	1.814	8.56
7/28/2007 0:20	1.814	8.56
7/28/2007 0:25	1.814	8.56
7/28/2007 0:30	1.814	8.56
7/28/2007 0:35	1.814	8.56
7/28/2007 0:40	1.814	8.56
7/28/2007 0:45	1.814	8.56
7/28/2007 0:50	1.814	8.56
7/28/2007 0:55	1.814	8.56
7/28/2007 1:00	1.814	8.56
7/28/2007 1:05	1.814	8.56
7/28/2007 1:10	1.814	8.56
7/28/2007 1:15	1.814	8.56
7/28/2007 1:20	1.814	8.56
7/28/2007 1:25	1.814	8.56
7/28/2007 1:30	1.814	8.56
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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/28/2007 1:55	1.814	8.56
7/28/2007 2:00	1.814	8.56
7/28/2007 2:05	1.814	8.56
7/28/2007 2:10	1.814	8.56
7/28/2007 2:15	1.814	8.56
7/28/2007 2:20	1.814	8.56
7/28/2007 2:25	1.814	8.56
7/28/2007 2:30	1.814	8.56
7/28/2007 2:35	1.814	8.56
7/28/2007 2:40	1.814	8.56
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7/28/2007 2:50	1.814	8.56
7/28/2007 2:55	1.814	8.56
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7/28/2007 3:05	1.814	8.56
7/28/2007 3:10	1.814	8.56
7/28/2007 3:15	1.814	8.56
7/28/2007 3:20	1.814	8.56
7/28/2007 3:25	1.814	8.56
7/28/2007 3:30	1.814	8.56
7/28/2007 3:35	1.814	8.56
7/28/2007 3:40	1.814	8.56
7/28/2007 3:45	1.814	8.56
7/28/2007 3:50	1.814	8.56
7/28/2007 3:55	1.814	8.56
7/28/2007 4:00	1.814	8.56
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7/28/2007 4:10	1.814	8.56
7/28/2007 4:15	1.814	8.56
7/28/2007 4:20	1.814	8.56
7/28/2007 4:25	1.814	8.56
7/28/2007 4:30	1.814	8.56
7/28/2007 4:35	1.814	8.56
7/28/2007 4:40	1.814	8.56
7/28/2007 4:45	1.814	8.56
7/28/2007 4:50	1.814	8.56
7/28/2007 4:55	1.814	8.56
7/28/2007 5:00	1.814	8.56
7/28/2007 5:05	1.814	8.56
7/28/2007 5:10	1.814	8.56
7/28/2007 5:15	1.814	8.56
7/28/2007 5:20	1.814	8.56
7/28/2007 5:25	1.814	8.56
7/28/2007 5:30	1.814	8.56
7/28/2007 5:35	1.814	8.56

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/28/2007 5:40	1.814	8.56
7/28/2007 5:45	1.814	8.56
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7/28/2007 5:55	1.814	8.56
7/28/2007 6:00	1.814	8.56
7/28/2007 6:05	1.814	8.56
7/28/2007 6:10	1.814	8.56
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7/28/2007 6:35	1.814	8.56
7/28/2007 6:40	1.814	8.56
7/28/2007 6:45	1.814	8.56
7/28/2007 6:50	1.814	8.56
7/28/2007 6:55	1.814	8.56
7/28/2007 7:00	1.814	8.56
7/28/2007 7:05	1.814	8.56
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7/28/2007 7:50	1.814	8.56
7/28/2007 7:55	1.814	8.56
7/28/2007 8:00	1.814	8.56
7/28/2007 8:05	1.814	8.56
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7/28/2007 8:45	1.814	8.56
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7/28/2007 8:55	1.814	8.56
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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/28/2007 18:45	1.814	8.56
7/28/2007 18:50	1.814	8.56
7/28/2007 18:55	1.814	8.56
7/28/2007 19:00	1.814	8.56
7/28/2007 19:05	1.814	8.56
7/28/2007 19:10	1.814	8.56
7/28/2007 19:15	1.814	8.56
7/28/2007 19:20	1.814	8.56
7/28/2007 19:25	1.814	8.56
7/28/2007 19:30	1.814	8.56
7/28/2007 19:35	1.814	8.56
7/28/2007 19:40	1.814	8.56
7/28/2007 19:45	1.814	8.56
7/28/2007 19:50	1.814	8.56
7/28/2007 19:55	1.814	8.56
7/28/2007 20:00	1.814	8.56
7/28/2007 20:05	1.814	8.56
7/28/2007 20:10	1.814	8.56
7/28/2007 20:15	1.814	8.56
7/28/2007 20:20	1.814	8.56
7/28/2007 20:25	1.814	8.56
7/28/2007 20:30	1.814	8.56
7/28/2007 20:35	1.814	8.56
7/28/2007 20:40	1.814	8.56
7/28/2007 20:45	1.814	8.56
7/28/2007 20:50	1.814	8.56
7/28/2007 20:55	1.814	8.56
7/28/2007 21:00	1.814	8.56
7/28/2007 21:05	1.814	8.56
7/28/2007 21:10	1.814	8.56
7/28/2007 21:15	1.814	8.56
7/28/2007 21:20	1.814	8.56
7/28/2007 21:25	1.814	8.56
7/28/2007 21:30	1.814	8.56
7/28/2007 21:35	1.814	8.56

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/28/2007 21:40	1.814	8.56
7/28/2007 21:45	1.814	8.56
7/28/2007 21:50	1.814	8.56
7/28/2007 21:55	1.814	8.56
7/28/2007 22:00	1.814	8.56
7/28/2007 22:05	1.814	8.56
7/28/2007 22:10	1.814	8.56
7/28/2007 22:15	1.814	8.56
7/28/2007 22:20	1.814	8.56
7/28/2007 22:25	1.814	8.56
7/28/2007 22:30	1.814	8.56
7/28/2007 22:35	1.814	8.56
7/28/2007 22:40	1.814	8.56
7/28/2007 22:45	1.814	8.56
7/28/2007 22:50	1.814	8.56
7/28/2007 22:55	1.814	8.56
7/28/2007 23:00	1.814	8.56
7/28/2007 23:05	1.814	8.56
7/28/2007 23:10	1.814	8.56
7/28/2007 23:15	1.814	8.56
7/28/2007 23:20	1.814	8.56
7/28/2007 23:25	1.814	8.56
7/28/2007 23:30	1.814	8.56
7/28/2007 23:35	1.814	8.56
7/28/2007 23:40	1.814	8.56
7/28/2007 23:45	1.814	8.56
7/28/2007 23:50	1.814	8.56
7/28/2007 23:55	1.814	8.56
7/29/2007 0:00	1.814	8.56
7/29/2007 0:05	1.814	8.56
7/29/2007 0:10	1.814	8.56
7/29/2007 0:15	1.814	8.56
7/29/2007 0:20	1.814	8.56
7/29/2007 0:25	1.814	8.56
7/29/2007 0:30	1.814	8.56
7/29/2007 0:35	1.814	8.56
7/29/2007 0:40	1.814	8.56
7/29/2007 0:45	1.814	8.56
7/29/2007 0:50	1.814	8.56
7/29/2007 0:55	1.814	8.56
7/29/2007 1:00	1.814	8.56
7/29/2007 1:05	1.814	8.56
7/29/2007 1:10	1.814	8.56
7/29/2007 1:15	1.814	8.56
7/29/2007 1:20	1.814	8.56
7/29/2007 1:25	1.814	8.56
7/29/2007 1:30	1.814	8.56
7/29/2007 1:35	1.814	8.56

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/29/2007 1:40	1.814	8.56
7/29/2007 1:45	1.814	8.56
7/29/2007 1:50	1.814	8.56
7/29/2007 1:55	1.814	8.56
7/29/2007 2:00	1.814	8.56
7/29/2007 2:05	1.814	8.56
7/29/2007 2:10	1.814	8.56
7/29/2007 2:15	1.814	8.56
7/29/2007 2:20	1.814	8.56
7/29/2007 2:25	1.814	8.56
7/29/2007 2:30	1.814	8.56
7/29/2007 2:35	1.814	8.56
7/29/2007 2:40	1.814	8.56
7/29/2007 2:45	1.814	8.56
7/29/2007 2:50	1.814	8.56
7/29/2007 2:55	1.814	8.56
7/29/2007 3:00	1.814	8.56
7/29/2007 3:05	1.814	8.56
7/29/2007 3:10	1.814	8.56
7/29/2007 3:15	1.814	8.56
7/29/2007 3:20	1.814	8.56
7/29/2007 3:25	1.814	8.56
7/29/2007 3:30	1.814	8.56
7/29/2007 3:35	1.814	8.56
7/29/2007 3:40	1.814	8.56
7/29/2007 3:45	1.814	8.56
7/29/2007 3:50	1.814	8.56
7/29/2007 3:55	1.814	8.56
7/29/2007 4:00	1.814	8.56
7/29/2007 4:05	1.814	8.56
7/29/2007 4:10	1.814	8.56
7/29/2007 4:15	1.814	8.56
7/29/2007 4:20	1.814	8.56
7/29/2007 4:25	1.814	8.56
7/29/2007 4:30	1.814	8.56
7/29/2007 4:35	1.814	8.56
7/29/2007 4:40	1.814	8.56
7/29/2007 4:45	1.814	8.56
7/29/2007 4:50	1.814	8.56
7/29/2007 4:55	1.814	8.56
7/29/2007 5:00	1.814	8.56
7/29/2007 5:05	1.814	8.56
7/29/2007 5:10	1.814	8.56
7/29/2007 5:15	1.814	8.56
7/29/2007 5:20	1.814	8.56
7/29/2007 5:25	1.814	8.56
7/29/2007 5:30	1.814	8.56
7/29/2007 5:35	1.814	8.56

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/29/2007 5:45	1.814	8.56
7/29/2007 5:50	1.814	8.56
7/29/2007 5:55	1.814	8.56
7/29/2007 6:00	1.814	8.56
7/29/2007 6:05	1.814	8.56
7/29/2007 6:10	1.814	8.56
7/29/2007 6:15	1.814	8.56
7/29/2007 6:20	1.814	8.56
7/29/2007 6:25	1.814	8.56
7/29/2007 6:30	1.814	8.56
7/29/2007 6:35	1.814	8.56
7/29/2007 6:40	1.814	8.56
7/29/2007 6:45	1.814	8.56
7/29/2007 6:50	1.814	8.56
7/29/2007 6:55	1.814	8.56
7/29/2007 7:00	1.814	8.56
7/29/2007 7:05	1.814	8.56
7/29/2007 7:10	1.814	8.56
7/29/2007 7:15	1.814	8.56
7/29/2007 7:20	1.814	8.56
7/29/2007 7:25	1.814	8.56
7/29/2007 7:30	1.814	8.56
7/29/2007 7:35	1.814	8.56
7/29/2007 7:40	1.814	8.56
7/29/2007 7:45	1.814	8.56
7/29/2007 7:50	1.814	8.56
7/29/2007 7:55	1.814	8.56
7/29/2007 8:00	1.814	8.56
7/29/2007 8:05	1.814	8.56
7/29/2007 8:10	1.814	8.56
7/29/2007 8:15	1.814	8.56
7/29/2007 8:20	1.814	8.56
7/29/2007 8:25	1.814	8.56
7/29/2007 8:30	1.814	8.56
7/29/2007 8:35	1.814	8.56
7/29/2007 8:40	1.814	8.56
7/29/2007 8:45	1.814	8.56
7/29/2007 8:50	1.814	8.56
7/29/2007 8:55	1.814	8.56
7/29/2007 9:00	1.814	8.56
7/29/2007 9:05	1.814	8.56
7/29/2007 9:10	1.814	8.56
7/29/2007 9:15	1.814	8.56
7/29/2007 9:20	1.814	8.56
7/29/2007 9:25	1.814	8.56
7/29/2007 9:30	1.814	8.56
7/29/2007 9:35	1.814	8.56

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
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7/29/2007 9:45	1.814	8.56
7/29/2007 9:50	1.814	8.56
7/29/2007 9:55	1.814	8.56
7/29/2007 10:00	1.814	8.56
7/29/2007 10:05	1.814	8.56
7/29/2007 10:10	1.814	8.56
7/29/2007 10:15	1.814	8.56
7/29/2007 10:20	1.814	8.56
7/29/2007 10:25	1.814	8.56
7/29/2007 10:30	1.814	8.56
7/29/2007 10:35	1.814	8.56
7/29/2007 10:40	1.814	8.56
7/29/2007 10:45	1.814	8.56
7/29/2007 10:50	1.814	8.56
7/29/2007 10:55	1.814	8.56
7/29/2007 11:00	1.814	8.56
7/29/2007 11:05	1.814	8.56
7/29/2007 11:10	1.814	8.56
7/29/2007 11:15	1.814	8.56
7/29/2007 11:20	1.814	8.56
7/29/2007 11:25	1.814	8.56
7/29/2007 11:30	1.814	8.56
7/29/2007 11:35	1.814	8.56
7/29/2007 11:40	1.814	8.56
7/29/2007 11:45	1.814	8.56
7/29/2007 11:50	1.814	8.56
7/29/2007 11:55	1.814	8.56
7/29/2007 12:00	1.814	8.56
7/29/2007 12:05	1.814	8.56
7/29/2007 12:10	1.814	8.56
7/29/2007 12:15	1.814	8.56
7/29/2007 12:20	1.814	8.56
7/29/2007 12:25	1.814	8.56
7/29/2007 12:30	1.814	8.56
7/29/2007 12:35	1.814	8.56
7/29/2007 12:40	1.814	8.56
7/29/2007 12:45	1.814	8.56
7/29/2007 12:50	1.814	8.56
7/29/2007 12:55	1.814	8.56
7/29/2007 13:00	1.814	8.56
7/29/2007 13:05	1.814	8.56
7/29/2007 13:10	1.814	8.56
7/29/2007 13:15	1.814	8.56
7/29/2007 13:20	1.814	8.56
7/29/2007 13:25	1.814	8.56
7/29/2007 13:30	1.814	8.56
7/29/2007 13:35	1.814	8.56

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/29/2007 13:40	1.814	8.56
7/29/2007 13:45	1.814	8.56
7/29/2007 13:50	1.814	8.56
7/29/2007 13:55	1.814	8.56
7/29/2007 14:00	1.814	8.56
7/29/2007 14:05	1.814	8.56
7/29/2007 14:10	1.814	8.56
7/29/2007 14:15	1.814	8.56
7/29/2007 14:20	1.814	8.56
7/29/2007 14:25	1.814	8.56
7/29/2007 14:30	1.814	8.56
7/29/2007 14:35	1.814	8.56
7/29/2007 14:40	1.814	8.56
7/29/2007 14:45	1.814	8.56
7/29/2007 14:50	1.814	8.56
7/29/2007 14:55	1.814	8.56
7/29/2007 15:00	1.814	8.56
7/29/2007 15:05	1.814	8.56
7/29/2007 15:10	1.814	8.56
7/29/2007 15:15	1.814	8.56
7/29/2007 15:20	1.814	8.56
7/29/2007 15:25	1.814	8.56
7/29/2007 15:30	1.814	8.56
7/29/2007 15:35	1.814	8.56
7/29/2007 15:40	1.814	8.56
7/29/2007 15:45	1.814	8.56
7/29/2007 15:50	1.814	8.56
7/29/2007 15:55	1.814	8.56
7/29/2007 16:00	1.814	8.56
7/29/2007 16:05	1.814	8.56
7/29/2007 16:10	1.814	8.56
7/29/2007 16:15	1.814	8.56
7/29/2007 16:20	1.814	8.56
7/29/2007 16:25	1.814	8.56
7/29/2007 16:30	1.814	8.56
7/29/2007 16:35	1.814	8.56
7/29/2007 16:40	1.814	8.56
7/29/2007 16:45	1.814	8.56
7/29/2007 16:50	1.814	8.56
7/29/2007 16:55	1.814	8.56
7/29/2007 17:00	1.814	8.56
7/29/2007 17:05	1.814	8.56
7/29/2007 17:10	1.814	8.56
7/29/2007 17:15	1.814	8.56
7/29/2007 17:20	1.814	8.56
7/29/2007 17:25	1.814	8.56
7/29/2007 17:30	1.814	8.56
7/29/2007 17:35	1.814	8.56

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/29/2007 17:40	1.814	8.56
7/29/2007 17:45	1.814	8.56
7/29/2007 17:50	1.814	8.56
7/29/2007 17:55	1.814	8.56
7/29/2007 18:00	1.814	8.56
7/29/2007 18:05	1.814	8.56
7/29/2007 18:10	1.814	8.56
7/29/2007 18:15	1.814	8.56
7/29/2007 18:20	1.814	8.56
7/29/2007 18:25	1.814	8.56
7/29/2007 18:30	1.814	8.56
7/29/2007 18:35	1.814	8.56
7/29/2007 18:40	1.814	8.56
7/29/2007 18:45	1.814	8.56
7/29/2007 18:50	1.814	8.56
7/29/2007 18:55	1.814	8.56
7/29/2007 19:00	1.814	8.56
7/29/2007 19:05	1.814	8.56
7/29/2007 19:10	1.814	8.56
7/29/2007 19:15	1.814	8.56
7/29/2007 19:20	1.814	8.56
7/29/2007 19:25	1.814	8.56
7/29/2007 19:30	1.814	8.56
7/29/2007 19:35	1.814	8.56
7/29/2007 19:40	1.814	8.56
7/29/2007 19:45	1.814	8.56
7/29/2007 19:50	1.814	8.56
7/29/2007 19:55	1.814	8.56
7/29/2007 20:00	1.814	8.56
7/29/2007 20:05	1.814	8.56
7/29/2007 20:10	1.814	8.56
7/29/2007 20:15	1.814	8.56
7/29/2007 20:20	1.814	8.56
7/29/2007 20:25	1.814	8.56
7/29/2007 20:30	1.814	8.56
7/29/2007 20:35	1.814	8.56
7/29/2007 20:40	1.814	8.56
7/29/2007 20:45	1.814	8.56
7/29/2007 20:50	1.814	8.56
7/29/2007 20:55	1.814	8.56
7/29/2007 21:00	1.814	8.56
7/29/2007 21:05	1.814	8.56
7/29/2007 21:10	1.814	8.56
7/29/2007 21:15	1.814	8.56
7/29/2007 21:20	1.814	8.56
7/29/2007 21:25	1.814	8.56
7/29/2007 21:30	1.814	8.56
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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/29/2007 21:55	1.814	8.56
7/29/2007 22:00	1.814	8.56
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7/29/2007 22:10	1.814	8.56
7/29/2007 22:15	1.814	8.56
7/29/2007 22:20	1.814	8.56
7/29/2007 22:25	1.814	8.56
7/29/2007 22:30	1.814	8.56
7/29/2007 22:35	1.814	8.56
7/29/2007 22:40	1.814	8.56
7/29/2007 22:45	1.814	8.56
7/29/2007 22:50	1.814	8.56
7/29/2007 22:55	1.814	8.56
7/29/2007 23:00	1.814	8.56
7/29/2007 23:05	1.814	8.56
7/29/2007 23:10	1.814	8.56
7/29/2007 23:15	1.814	8.56
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7/29/2007 23:25	1.814	8.56
7/29/2007 23:30	1.814	8.56
7/29/2007 23:35	1.814	8.56
7/29/2007 23:40	1.814	8.56
7/29/2007 23:45	1.814	8.56
7/29/2007 23:50	1.814	8.56
7/29/2007 23:55	1.814	8.56
7/30/2007 0:00	1.814	8.56
7/30/2007 0:05	1.814	8.56
7/30/2007 0:10	1.814	8.56
7/30/2007 0:15	1.814	8.56
7/30/2007 0:20	1.814	8.56
7/30/2007 0:25	1.814	8.56
7/30/2007 0:30	1.814	8.56
7/30/2007 0:35	1.814	8.56
7/30/2007 0:40	1.814	8.56
7/30/2007 0:45	1.814	8.56
7/30/2007 0:50	1.814	8.56
7/30/2007 0:55	1.814	8.56
7/30/2007 1:00	1.814	8.56
7/30/2007 1:05	1.814	8.56
7/30/2007 1:10	1.814	8.56
7/30/2007 1:15	1.814	8.56
7/30/2007 1:20	1.814	8.56
7/30/2007 1:25	1.814	8.56
7/30/2007 1:30	1.814	8.56
7/30/2007 1:35	1.814	8.56



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7/30/2007 1:55	1.814	8.56
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7/30/2007 2:05	1.814	8.56
7/30/2007 2:10	1.814	8.56
7/30/2007 2:15	1.814	8.56
7/30/2007 2:20	1.814	8.56
7/30/2007 2:25	1.814	8.56
7/30/2007 2:30	1.814	8.56
7/30/2007 2:35	1.814	8.56
7/30/2007 2:40	1.814	8.56
7/30/2007 2:45	1.814	8.56
7/30/2007 2:50	1.814	8.56
7/30/2007 2:55	1.814	8.56
7/30/2007 3:00	1.814	8.56
7/30/2007 3:05	1.814	8.56
7/30/2007 3:10	1.814	8.56
7/30/2007 3:15	1.814	8.56
7/30/2007 3:20	1.814	8.56
7/30/2007 3:25	1.814	8.56
7/30/2007 3:30	1.814	8.56
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7/30/2007 3:45	1.814	8.56
7/30/2007 3:50	1.814	8.56
7/30/2007 3:55	1.814	8.56
7/30/2007 4:00	1.814	8.56
7/30/2007 4:05	1.814	8.56
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7/30/2007 4:15	1.814	8.56
7/30/2007 4:20	1.814	8.56
7/30/2007 4:25	1.814	8.56
7/30/2007 4:30	1.814	8.56
7/30/2007 4:35	1.814	8.56
7/30/2007 4:40	1.814	8.56
7/30/2007 4:45	1.814	8.56
7/30/2007 4:50	1.814	8.56
7/30/2007 4:55	1.814	8.56
7/30/2007 5:00	1.814	8.56
7/30/2007 5:05	1.814	8.56
7/30/2007 5:10	1.814	8.56
7/30/2007 5:15	1.814	8.56
7/30/2007 5:20	1.814	8.56
7/30/2007 5:25	1.814	8.56
7/30/2007 5:30	1.814	8.56
7/30/2007 5:35	1.814	8.56

UNKAMET BROOK MONITORING DATA - JULY 25, 2007 THROUGH AUGUST 9, 2007

UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/30/2007 5:40	1.814	8.56
7/30/2007 5:45	1.814	8.56
7/30/2007 5:50	1.814	8.56
7/30/2007 5:55	1.814	8.56
7/30/2007 6:00	1.814	8.56
7/30/2007 6:05	1.814	8.56
7/30/2007 6:10	1.814	8.56
7/30/2007 6:15	1.814	8.56
7/30/2007 6:20	1.814	8.56
7/30/2007 6:25	1.814	8.56
7/30/2007 6:30	1.814	8.56
7/30/2007 6:35	1.814	8.56
7/30/2007 6:40	1.814	8.56
7/30/2007 6:45	1.814	8.56
7/30/2007 6:50	1.814	8.56
7/30/2007 6:55	1.814	8.56
7/30/2007 7:00	1.814	8.56
7/30/2007 7:05	1.814	8.56
7/30/2007 7:10	1.814	8.56
7/30/2007 7:15	1.814	8.56
7/30/2007 7:20	1.814	8.56
7/30/2007 7:25	1.814	8.56
7/30/2007 7:30	1.814	8.56
7/30/2007 7:35	1.814	8.56
7/30/2007 7:40	1.814	8.56
7/30/2007 7:45	1.814	8.56
7/30/2007 7:50	1.814	8.56
7/30/2007 7:55	1.814	8.56
7/30/2007 8:00	1.814	8.56
7/30/2007 8:05	1.814	8.56
7/30/2007 8:10	1.814	8.56
7/30/2007 8:15	1.814	8.56
7/30/2007 8:20	1.814	8.56
7/30/2007 8:25	1.814	8.56
7/30/2007 8:30	1.814	8.56
7/30/2007 8:35	1.814	8.56
7/30/2007 8:40	1.814	8.56
7/30/2007 8:45	1.814	8.56
7/30/2007 8:50	1.814	8.56
7/30/2007 8:55	1.814	8.56
7/30/2007 9:00	1.814	8.56
7/30/2007 9:05	1.814	8.56
7/30/2007 9:10	1.814	8.56
7/30/2007 9:15	1.814	8.56
7/30/2007 9:20	1.814	8.56
7/30/2007 9:25	1.814	8.56
7/30/2007 9:30	1.814	8.56
7/30/2007 9:35	1.814	8.56

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UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/30/2007 9:40	1.814	8.56
7/30/2007 9:45	1.814	8.56
7/30/2007 9:50	1.814	8.56
7/30/2007 9:55	1.814	8.56
7/30/2007 10:00	1.814	8.56
7/30/2007 10:05	1.814	8.56
7/30/2007 10:10	1.814	8.56
7/30/2007 10:15	1.814	8.56
7/30/2007 10:20	1.814	8.56
7/30/2007 10:25	1.814	8.56
7/30/2007 10:30	1.814	8.56
7/30/2007 10:35	1.814	8.56
7/30/2007 10:40	1.814	8.56
7/30/2007 10:45	1.814	8.56
7/30/2007 10:50	1.814	8.56
7/30/2007 10:55	1.814	8.56
7/30/2007 11:00	1.814	8.56
7/30/2007 11:05	1.814	8.56
7/30/2007 11:10	1.814	8.56
7/30/2007 11:15	1.814	8.56
7/30/2007 11:20	1.814	8.56
7/30/2007 11:25	1.814	8.56
7/30/2007 11:30	1.814	8.56
7/30/2007 11:35	1.814	8.56
7/30/2007 11:40	1.814	8.56
7/30/2007 11:45	1.814	8.56
7/30/2007 11:50	1.814	8.56
7/30/2007 11:55	1.814	8.56
7/30/2007 12:00	1.814	8.56
7/30/2007 12:05	1.814	8.56
7/30/2007 12:10	1.814	8.56
7/30/2007 12:15	1.814	8.56
7/30/2007 12:20	1.814	8.56
7/30/2007 12:25	1.814	8.56
7/30/2007 12:30	1.814	8.56
7/30/2007 12:35	1.814	8.56
7/30/2007 12:40	1.814	8.56
7/30/2007 12:45	1.814	8.56
7/30/2007 12:50	1.814	8.56
7/30/2007 12:55	1.814	8.56
7/30/2007 13:00	1.814	8.56
7/30/2007 13:05	1.814	8.56
7/30/2007 13:10	1.814	8.56
7/30/2007 13:15	1.814	8.56
7/30/2007 13:20	1.814	8.56
7/30/2007 13:25	1.814	8.56
7/30/2007 13:30	1.814	8.56
7/30/2007 13:35	1.814	8.56

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/30/2007 13:45	1.814	8.56
7/30/2007 13:50	1.814	8.56
7/30/2007 13:55	1.814	8.56
7/30/2007 14:00	1.814	8.56
7/30/2007 14:05	1.814	8.56
7/30/2007 14:10	1.814	8.56
7/30/2007 14:15	1.814	8.56
7/30/2007 14:20	1.814	8.56
7/30/2007 14:25	1.814	8.56
7/30/2007 14:30	1.814	8.56
7/30/2007 14:35	1.814	8.56
7/30/2007 14:40	1.814	8.56
7/30/2007 14:45	1.814	8.56
7/30/2007 14:50	1.814	8.56
7/30/2007 14:55	1.814	8.56
7/30/2007 15:00	1.814	8.56
7/30/2007 15:05	1.814	8.56
7/30/2007 15:10	1.814	8.56
7/30/2007 15:15	1.814	8.56
7/30/2007 15:20	1.814	8.56
7/30/2007 15:25	1.814	8.56
7/30/2007 15:30	1.814	8.56
7/30/2007 15:35	1.814	8.56
7/30/2007 15:40	1.814	8.56
7/30/2007 15:45	1.814	8.56
7/30/2007 15:50	1.814	8.56
7/30/2007 15:55	1.814	8.56
7/30/2007 16:00	1.814	8.56
7/30/2007 16:05	1.814	8.56
7/30/2007 16:10	1.814	8.56
7/30/2007 16:15	1.814	8.56
7/30/2007 16:20	1.814	8.56
7/30/2007 16:25	1.814	8.56
7/30/2007 16:30	1.814	8.56
7/30/2007 16:35	1.814	8.56
7/30/2007 16:40	1.814	8.56
7/30/2007 16:45	1.814	8.56
7/30/2007 16:50	1.814	8.56
7/30/2007 16:55	1.814	8.56
7/30/2007 17:00	1.814	8.56
7/30/2007 17:05	1.814	8.56
7/30/2007 17:10	1.814	8.56
7/30/2007 17:15	1.814	8.56
7/30/2007 17:20	1.814	8.56
7/30/2007 17:25	1.814	8.56
7/30/2007 17:30	1.814	8.56
7/30/2007 17:35	1.814	8.56

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UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/30/2007 17:40	1.814	8.56
7/30/2007 17:45	1.814	8.56
7/30/2007 17:50	1.814	8.56
7/30/2007 17:55	1.814	8.56
7/30/2007 18:00	1.814	8.56
7/30/2007 18:05	1.814	8.56
7/30/2007 18:10	1.814	8.56
7/30/2007 18:15	1.814	8.56
7/30/2007 18:20	1.814	8.56
7/30/2007 18:25	1.814	8.56
7/30/2007 18:30	1.814	8.56
7/30/2007 18:35	1.814	8.56
7/30/2007 18:40	1.814	8.56
7/30/2007 18:45	1.814	8.56
7/30/2007 18:50	1.814	8.56
7/30/2007 18:55	1.814	8.56
7/30/2007 19:00	1.814	8.56
7/30/2007 19:05	1.814	8.56
7/30/2007 19:10	1.814	8.56
7/30/2007 19:15	1.814	8.56
7/30/2007 19:20	1.814	8.56
7/30/2007 19:25	1.814	8.56
7/30/2007 19:30	1.814	8.56
7/30/2007 19:35	1.814	8.56
7/30/2007 19:40	1.814	8.56
7/30/2007 19:45	1.814	8.56
7/30/2007 19:50	1.814	8.56
7/30/2007 19:55	1.814	8.56
7/30/2007 20:00	1.814	8.56
7/30/2007 20:05	1.814	8.56
7/30/2007 20:10	1.814	8.56
7/30/2007 20:15	1.814	8.56
7/30/2007 20:20	1.814	8.56
7/30/2007 20:25	1.814	8.56
7/30/2007 20:30	1.814	8.56
7/30/2007 20:35	1.814	8.56
7/30/2007 20:40	1.814	8.56
7/30/2007 20:45	1.814	8.56
7/30/2007 20:50	1.814	8.56
7/30/2007 20:55	1.814	8.56
7/30/2007 21:00	1.814	8.56
7/30/2007 21:05	1.814	8.56
7/30/2007 21:10	1.814	8.56
7/30/2007 21:15	1.814	8.56
7/30/2007 21:20	1.814	8.56
7/30/2007 21:25	1.814	8.56
7/30/2007 21:30	1.814	8.56
7/30/2007 21:35	1.814	8.56

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/30/2007 21:40	1.814	8.56
7/30/2007 21:45	1.814	8.56
7/30/2007 21:50	1.814	8.56
7/30/2007 21:55	1.814	8.56
7/30/2007 22:00	1.814	8.56
7/30/2007 22:05	1.814	8.56
7/30/2007 22:10	1.814	8.56
7/30/2007 22:15	1.814	8.56
7/30/2007 22:20	1.814	8.56
7/30/2007 22:25	1.814	8.56
7/30/2007 22:30	1.814	8.56
7/30/2007 22:35	1.814	8.56
7/30/2007 22:40	1.814	8.56
7/30/2007 22:45	1.814	8.56
7/30/2007 22:50	1.814	8.56
7/30/2007 22:55	1.814	8.56
7/30/2007 23:00	1.814	8.56
7/30/2007 23:05	1.814	8.56
7/30/2007 23:10	1.814	8.56
7/30/2007 23:15	1.814	8.56
7/30/2007 23:20	1.814	8.56
7/30/2007 23:25	1.814	8.56
7/30/2007 23:30	1.814	8.56
7/30/2007 23:35	1.814	8.56
7/30/2007 23:40	1.814	8.56
7/30/2007 23:45	1.814	8.56
7/30/2007 23:50	1.814	8.56
7/30/2007 23:55	1.814	8.56
7/31/2007 0:00	1.814	8.56
7/31/2007 0:05	1.814	8.56
7/31/2007 0:10	1.814	8.56
7/31/2007 0:15	1.814	8.56
7/31/2007 0:20	1.814	8.56
7/31/2007 0:25	1.814	8.56
7/31/2007 0:30	1.814	8.56
7/31/2007 0:35	1.814	8.56
7/31/2007 0:40	1.814	8.56
7/31/2007 0:45	1.814	8.56
7/31/2007 0:50	1.814	8.56
7/31/2007 0:55	1.814	8.56
7/31/2007 1:00	1.814	8.56
7/31/2007 1:05	1.814	8.56
7/31/2007 1:10	1.814	8.56
7/31/2007 1:15	1.814	8.56
7/31/2007 1:20	1.814	8.56
7/31/2007 1:25	1.814	8.56
7/31/2007 1:30	1.814	8.56
7/31/2007 1:35	1.814	8.56

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/31/2007 1:40	1.814	8.56
7/31/2007 1:45	1.814	8.56
7/31/2007 1:50	1.814	8.56
7/31/2007 1:55	1.814	8.56
7/31/2007 2:00	1.814	8.56
7/31/2007 2:05	1.814	8.56
7/31/2007 2:10	1.814	8.56
7/31/2007 2:15	1.814	8.56
7/31/2007 2:20	1.814	8.56
7/31/2007 2:25	1.814	8.56
7/31/2007 2:30	1.814	8.56
7/31/2007 2:35	1.814	8.56
7/31/2007 2:40	1.814	8.56
7/31/2007 2:45	1.814	8.56
7/31/2007 2:50	1.814	8.56
7/31/2007 2:55	1.814	8.56
7/31/2007 3:00	1.814	8.56
7/31/2007 3:05	1.814	8.56
7/31/2007 3:10	1.814	8.56
7/31/2007 3:15	1.814	8.56
7/31/2007 3:20	1.814	8.56
7/31/2007 3:25	1.814	8.56
7/31/2007 3:30	1.814	8.56
7/31/2007 3:35	1.814	8.56
7/31/2007 3:40	1.814	8.56
7/31/2007 3:45	1.814	8.56
7/31/2007 3:50	1.814	8.56
7/31/2007 3:55	1.814	8.56
7/31/2007 4:00	1.814	8.56
7/31/2007 4:05	1.814	8.56
7/31/2007 4:10	1.814	8.56
7/31/2007 4:15	1.814	8.56
7/31/2007 4:20	1.814	8.56
7/31/2007 4:25	1.814	8.56
7/31/2007 4:30	1.814	8.56
7/31/2007 4:35	1.814	8.56
7/31/2007 4:40	1.814	8.56
7/31/2007 4:45	1.814	8.56
7/31/2007 4:50	1.814	8.56
7/31/2007 4:55	1.814	8.56
7/31/2007 5:00	1.814	8.56
7/31/2007 5:05	1.814	8.56
7/31/2007 5:10	1.814	8.56
7/31/2007 5:15	1.814	8.56
7/31/2007 5:20	1.814	8.56
7/31/2007 5:25	1.814	8.56
7/31/2007 5:30	1.814	8.56
7/31/2007 5:35	1.814	8.56

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/31/2007 5:40	1.814	8.56
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7/31/2007 5:55	1.814	8.56
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7/31/2007 6:05	1.814	8.56
7/31/2007 6:10	1.814	8.56
7/31/2007 6:15	1.814	8.56
7/31/2007 6:20	1.814	8.56
7/31/2007 6:25	1.814	8.56
7/31/2007 6:30	1.814	8.56
7/31/2007 6:35	1.814	8.56
7/31/2007 6:40	1.814	8.56
7/31/2007 6:45	1.814	8.56
7/31/2007 6:50	1.814	8.56
7/31/2007 6:55	1.814	8.56
7/31/2007 7:00	1.814	8.56
7/31/2007 7:05	1.814	8.56
7/31/2007 7:10	1.814	8.56
7/31/2007 7:15	1.814	8.56
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7/31/2007 7:25	1.814	8.56
7/31/2007 7:30	1.814	8.56
7/31/2007 7:35	1.814	8.56
7/31/2007 7:40	1.814	8.56
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7/31/2007 8:30	1.814	8.56
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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/31/2007 10:55	1.814	8.56
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7/31/2007 11:30	1.814	8.56
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7/31/2007 11:55	1.814	8.56
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7/31/2007 12:25	1.814	8.56
7/31/2007 12:30	1.814	8.56
7/31/2007 12:35	1.814	8.56
7/31/2007 12:40	1.814	8.56
7/31/2007 12:45	1.814	8.56
7/31/2007 12:50	1.814	8.56
7/31/2007 12:55	1.814	8.56
7/31/2007 13:00	1.814	8.56
7/31/2007 13:05	1.814	8.56
7/31/2007 13:10	1.814	8.56
7/31/2007 13:15	1.814	8.56
7/31/2007 13:20	1.814	8.56
7/31/2007 13:25	1.814	8.56
7/31/2007 13:30	1.814	8.56
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 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/31/2007 14:15	1.814	8.56
7/31/2007 14:20	1.814	8.56
7/31/2007 14:25	1.814	8.56
7/31/2007 14:30	1.814	8.56
7/31/2007 14:35	1.814	8.56
7/31/2007 14:40	1.814	8.56
7/31/2007 14:45	1.814	8.56
7/31/2007 14:50	1.814	8.56
7/31/2007 14:55	1.814	8.56
7/31/2007 15:00	1.814	8.56

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UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/25/2007 17:40	1.586	-6
7/25/2007 17:45	1.586	-6
7/25/2007 17:50	1.586	-6
7/25/2007 17:55	1.586	-6
7/25/2007 18:00	1.586	-6
7/25/2007 18:05	1.586	-6
7/25/2007 18:10	1.586	-6
7/25/2007 18:15	1.586	-6
7/25/2007 18:20	1.586	-6
7/25/2007 18:25	1.586	-6
7/25/2007 18:30	1.586	-6
7/25/2007 18:35	1.586	-6
7/25/2007 18:40	1.586	-6
7/25/2007 18:45	1.586	-6
7/25/2007 18:50	1.586	-6
7/25/2007 18:55	1.586	-6
7/25/2007 19:00	1.586	-6
7/25/2007 19:05	1.586	-6
7/25/2007 19:10	1.586	-6
7/25/2007 19:15	1.586	-6
7/25/2007 19:20	1.586	-6
7/25/2007 19:25	1.586	-6
7/25/2007 19:30	1.586	-6
7/25/2007 19:35	1.586	-6
7/25/2007 19:40	1.586	-6
7/25/2007 19:45	1.586	-6
7/25/2007 19:50	1.586	-6
7/25/2007 19:55	1.586	-6
7/25/2007 20:00	1.586	-6
7/25/2007 20:05	1.586	-6
7/25/2007 20:10	1.586	-6
7/25/2007 20:15	1.586	-6
7/25/2007 20:20	1.586	-6
7/25/2007 20:25	1.586	-6
7/25/2007 20:30	1.586	-6
7/25/2007 20:35	1.586	-6
7/25/2007 20:40	1.586	-6
7/25/2007 20:45	1.586	-6
7/25/2007 20:50	1.586	-6
7/25/2007 20:55	1.586	-6
7/25/2007 21:00	1.586	-6
7/25/2007 21:05	1.586	-6
7/25/2007 21:10	1.586	-6
7/25/2007 21:15	1.586	-6
7/25/2007 21:20	1.586	-6
7/25/2007 21:25	1.586	-6
7/25/2007 21:30	1.586	-6
7/25/2007 21:35	1.586	-6

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/25/2007 21:40	1.586	-6
7/25/2007 21:45	1.586	-6
7/25/2007 21:50	1.586	-6
7/25/2007 21:55	1.586	-6
7/25/2007 22:00	1.586	-6
7/25/2007 22:05	1.586	-6
7/25/2007 22:10	1.586	-6
7/25/2007 22:15	1.586	-6
7/25/2007 22:20	1.586	-6
7/25/2007 22:25	1.586	-6
7/25/2007 22:30	1.586	-6
7/25/2007 22:35	1.586	-6
7/25/2007 22:40	1.586	-6
7/25/2007 22:45	1.586	-6
7/25/2007 22:50	1.586	-6
7/25/2007 22:55	1.586	-6
7/25/2007 23:00	1.586	-6
7/25/2007 23:05	1.586	-6
7/25/2007 23:10	1.586	-6
7/25/2007 23:15	1.586	-6
7/25/2007 23:20	1.586	-6
7/25/2007 23:25	1.586	-6
7/25/2007 23:30	1.586	-6
7/25/2007 23:35	1.586	-6
7/25/2007 23:40	1.586	-6
7/25/2007 23:45	1.586	-6
7/25/2007 23:50	1.586	-6
7/25/2007 23:55	1.586	-6
7/26/2007 0:00	1.586	-6
7/26/2007 0:05	1.586	-6
7/26/2007 0:10	1.586	-6
7/26/2007 0:15	1.586	-6
7/26/2007 0:20	1.586	-6
7/26/2007 0:25	1.586	-6
7/26/2007 0:30	1.586	-6
7/26/2007 0:35	1.586	-6
7/26/2007 0:40	1.586	-6
7/26/2007 0:45	1.586	-6
7/26/2007 0:50	1.586	-6
7/26/2007 0:55	1.586	-6
7/26/2007 1:00	1.586	-6
7/26/2007 1:05	1.586	-6
7/26/2007 1:10	1.586	-6
7/26/2007 1:15	1.586	-6
7/26/2007 1:20	1.586	-6
7/26/2007 1:25	1.586	-6
7/26/2007 1:30	1.586	-6
7/26/2007 1:35	1.586	-6

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/26/2007 1:50	1.586	-6
7/26/2007 1:55	1.586	-6
7/26/2007 2:00	1.586	-6
7/26/2007 2:05	1.586	-6
7/26/2007 2:10	1.586	-6
7/26/2007 2:15	1.586	-6
7/26/2007 2:20	1.586	-6
7/26/2007 2:25	1.586	-6
7/26/2007 2:30	1.586	-6
7/26/2007 2:35	1.586	-6
7/26/2007 2:40	1.586	-6
7/26/2007 2:45	1.586	-6
7/26/2007 2:50	1.586	-6
7/26/2007 2:55	1.586	-6
7/26/2007 3:00	1.586	-6
7/26/2007 3:05	1.586	-6
7/26/2007 3:10	1.586	-6
7/26/2007 3:15	1.586	-6
7/26/2007 3:20	1.586	-6
7/26/2007 3:25	1.586	-6
7/26/2007 3:30	1.586	-6
7/26/2007 3:35	1.586	-6
7/26/2007 3:40	1.586	-6
7/26/2007 3:45	1.586	-6
7/26/2007 3:50	1.586	-6
7/26/2007 3:55	1.586	-6
7/26/2007 4:00	1.586	-6
7/26/2007 4:05	1.586	-6
7/26/2007 4:10	1.586	-6
7/26/2007 4:15	1.586	-6
7/26/2007 4:20	1.586	-6
7/26/2007 4:25	1.586	-6
7/26/2007 4:30	1.586	-6
7/26/2007 4:35	1.586	-6
7/26/2007 4:40	1.586	-6
7/26/2007 4:45	1.586	-6
7/26/2007 4:50	1.586	-6
7/26/2007 4:55	1.586	-6
7/26/2007 5:00	1.586	-6
7/26/2007 5:05	1.586	-6
7/26/2007 5:10	1.586	-6
7/26/2007 5:15	1.586	-6
7/26/2007 5:20	1.586	-6
7/26/2007 5:25	1.586	-6
7/26/2007 5:30	1.586	-6
7/26/2007 5:35	1.586	-6

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
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7/26/2007 5:55	1.586	-6
7/26/2007 6:00	1.586	-6
7/26/2007 6:05	1.586	-6
7/26/2007 6:10	1.586	-6
7/26/2007 6:15	1.586	-6
7/26/2007 6:20	1.586	-6
7/26/2007 6:25	1.586	-6
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7/26/2007 6:50	1.586	-6
7/26/2007 6:55	1.586	-6
7/26/2007 7:00	1.586	-6
7/26/2007 7:05	1.586	-6
7/26/2007 7:10	1.586	-6
7/26/2007 7:15	1.586	-6
7/26/2007 7:20	1.586	-6
7/26/2007 7:25	1.586	-6
7/26/2007 7:30	1.586	-6
7/26/2007 7:35	1.586	-6
7/26/2007 7:40	1.586	-6
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7/26/2007 7:55	1.586	-6
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7/26/2007 8:30	1.586	-6
7/26/2007 8:35	1.586	-6
7/26/2007 8:40	1.586	-6
7/26/2007 8:45	1.586	-6
7/26/2007 8:50	1.586	-6
7/26/2007 8:55	1.586	-6
7/26/2007 9:00	1.586	-6
7/26/2007 9:05	1.586	-6
7/26/2007 9:10	1.586	-6
7/26/2007 9:15	1.586	-6
7/26/2007 9:20	1.586	-6
7/26/2007 9:25	1.586	-6
7/26/2007 9:30	1.586	-6
7/26/2007 9:35	1.586	-6

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
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7/26/2007 9:50	1.586	-6
7/26/2007 9:55	1.586	-6
7/26/2007 10:00	1.586	-6
7/26/2007 10:05	1.586	-6
7/26/2007 10:10	1.586	-6
7/26/2007 10:15	1.586	-6
7/26/2007 10:20	1.586	-6
7/26/2007 10:25	1.586	-6
7/26/2007 10:30	1.586	-6
7/26/2007 10:35	1.586	-6
7/26/2007 10:40	1.586	-6
7/26/2007 10:45	1.586	-6
7/26/2007 10:50	1.586	-6
7/26/2007 10:55	1.586	-6
7/26/2007 11:00	1.586	-6
7/26/2007 11:05	1.586	-6
7/26/2007 11:10	1.586	-6
7/26/2007 11:15	1.586	-6
7/26/2007 11:20	1.586	-6
7/26/2007 11:25	1.586	-6
7/26/2007 11:30	1.586	-6
7/26/2007 11:35	1.586	-6
7/26/2007 11:40	1.586	-6
7/26/2007 11:45	1.586	-6
7/26/2007 11:50	1.586	-6
7/26/2007 11:55	1.586	-6
7/26/2007 12:00	1.586	-6
7/26/2007 12:05	1.586	-6
7/26/2007 12:10	1.586	-6
7/26/2007 12:15	1.586	-6
7/26/2007 12:20	1.586	-6
7/26/2007 12:25	1.586	-6
7/26/2007 12:30	1.586	-6
7/26/2007 12:35	1.586	-6
7/26/2007 12:40	1.586	-6
7/26/2007 12:45	1.586	-6
7/26/2007 12:50	1.586	-6
7/26/2007 12:55	1.586	-6
7/26/2007 13:00	1.586	-6
7/26/2007 13:05	1.586	-6
7/26/2007 13:10	1.586	-6
7/26/2007 13:15	1.586	-6
7/26/2007 13:20	1.586	-6
7/26/2007 13:25	1.586	-6
7/26/2007 13:30	1.586	-6
7/26/2007 13:35	1.586	-6

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/26/2007 13:40	1.586	-6
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7/26/2007 13:50	1.586	-6
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7/26/2007 14:00	1.586	-6
7/26/2007 14:05	1.586	-6
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7/26/2007 14:15	1.586	-6
7/26/2007 14:20	1.586	-6
7/26/2007 14:25	1.586	-6
7/26/2007 14:30	1.586	-6
7/26/2007 14:35	1.586	-6
7/26/2007 14:40	1.586	-6
7/26/2007 14:45	1.586	-6
7/26/2007 14:50	1.586	-6
7/26/2007 14:55	1.586	-6
7/26/2007 15:00	1.586	-6
7/26/2007 15:05	1.586	-6
7/26/2007 15:10	1.586	-6
7/26/2007 15:15	1.586	-6
7/26/2007 15:20	1.586	-6
7/26/2007 15:25	1.586	-6
7/26/2007 15:30	1.586	-6
7/26/2007 15:35	1.586	-6
7/26/2007 15:40	1.586	-6
7/26/2007 15:45	1.586	-6
7/26/2007 15:50	1.586	-6
7/26/2007 15:55	1.586	-6
7/26/2007 16:00	1.586	-6
7/26/2007 16:05	1.586	-6
7/26/2007 16:10	1.586	-6
7/26/2007 16:15	1.586	-6
7/26/2007 16:20	1.586	-6
7/26/2007 16:25	1.586	-6
7/26/2007 16:30	1.586	-6
7/26/2007 16:35	1.586	-6
7/26/2007 16:40	1.586	-6
7/26/2007 16:45	1.586	-6
7/26/2007 16:50	1.586	-6
7/26/2007 16:55	1.586	-6
7/26/2007 17:00	1.586	-6
7/26/2007 17:05	1.586	-6
7/26/2007 17:10	1.586	-6
7/26/2007 17:15	1.586	-6
7/26/2007 17:20	1.586	-6
7/26/2007 17:25	1.586	-6
7/26/2007 17:30	1.586	-6
7/26/2007 17:35	1.586	-6



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UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
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7/26/2007 18:40	1.586	-6
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7/26/2007 18:50	1.586	-6
7/26/2007 18:55	1.586	-6
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7/26/2007 19:35	1.586	-6
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7/26/2007 19:50	1.586	-6
7/26/2007 19:55	1.586	-6
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7/26/2007 20:05	1.586	-6
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7/26/2007 20:15	1.586	-6
7/26/2007 20:20	1.586	-6
7/26/2007 20:25	1.586	-6
7/26/2007 20:30	1.586	-6
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7/26/2007 21:15	1.586	-6
7/26/2007 21:20	1.586	-6
7/26/2007 21:25	1.586	-6
7/26/2007 21:30	1.586	-6
7/26/2007 21:35	1.586	-6

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/27/2007 4:15	1.586	-6
7/27/2007 4:20	1.586	-6
7/27/2007 4:25	1.586	-6
7/27/2007 4:30	1.586	-6
7/27/2007 4:35	1.586	-6
7/27/2007 4:40	1.586	-6
7/27/2007 4:45	1.586	-6
7/27/2007 4:50	1.586	-6
7/27/2007 4:55	1.586	-6
7/27/2007 5:00	1.586	-6
7/27/2007 5:05	1.586	-6
7/27/2007 5:10	1.586	-6
7/27/2007 5:15	1.586	-6
7/27/2007 5:20	1.586	-6
7/27/2007 5:25	1.586	-6
7/27/2007 5:30	1.586	-6
7/27/2007 5:35	1.586	-6

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/27/2007 5:40	1.586	-6
7/27/2007 5:45	1.586	-6
7/27/2007 5:50	1.586	-6
7/27/2007 5:55	1.586	-6
7/27/2007 6:00	1.586	-6
7/27/2007 6:05	1.586	-6
7/27/2007 6:10	1.586	-6
7/27/2007 6:15	1.586	-6
7/27/2007 6:20	1.586	-6
7/27/2007 6:25	1.586	-6
7/27/2007 6:30	1.586	-6
7/27/2007 6:35	1.586	-6
7/27/2007 6:40	1.586	-6
7/27/2007 6:45	1.586	-6
7/27/2007 6:50	1.586	-6
7/27/2007 6:55	1.586	-6
7/27/2007 7:00	1.586	-6
7/27/2007 7:05	1.586	-6
7/27/2007 7:10	1.586	-6
7/27/2007 7:15	1.586	-6
7/27/2007 7:20	1.586	-6
7/27/2007 7:25	1.586	-6
7/27/2007 7:30	1.586	-6
7/27/2007 7:35	1.586	-6
7/27/2007 7:40	1.586	-6
7/27/2007 7:45	1.586	-6
7/27/2007 7:50	1.586	-6
7/27/2007 7:55	1.586	-6
7/27/2007 8:00	1.586	-6
7/27/2007 8:05	1.586	-6
7/27/2007 8:10	1.586	-6
7/27/2007 8:15	1.586	-6
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7/27/2007 8:30	1.586	-6
7/27/2007 8:35	1.586	-6
7/27/2007 8:40	1.586	-6
7/27/2007 8:45	1.586	-6
7/27/2007 8:50	1.586	-6
7/27/2007 8:55	1.586	-6
7/27/2007 9:00	1.586	-6
7/27/2007 9:05	1.586	-6
7/27/2007 9:10	1.586	-6
7/27/2007 9:15	1.586	-6
7/27/2007 9:20	1.586	-6
7/27/2007 9:25	1.586	-6
7/27/2007 9:30	1.586	-6
7/27/2007 9:35	1.586	-6

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 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/27/2007 9:45	1.586	-6
7/27/2007 9:50	1.586	-6
7/27/2007 9:55	1.586	-6
7/27/2007 10:00	1.586	-6
7/27/2007 10:05	1.586	-6
7/27/2007 10:10	1.586	-6
7/27/2007 10:15	1.586	-6
7/27/2007 10:20	1.586	-6
7/27/2007 10:25	1.586	-6
7/27/2007 10:30	1.586	-6
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7/27/2007 10:55	1.586	-6
7/27/2007 11:00	1.586	-6
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7/27/2007 13:30	1.586	-6
7/27/2007 13:35	1.586	-6

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7/27/2007 15:55	1.586	-6
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7/27/2007 17:35	1.586	-6

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7/27/2007 18:55	1.586	-6
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7/27/2007 20:00	1.586	-6
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7/27/2007 21:30	1.586	-6
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7/27/2007 21:55	1.586	-6
7/27/2007 22:00	1.586	-6
7/27/2007 22:05	1.586	-6
7/27/2007 22:10	1.586	-6
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7/27/2007 22:35	1.586	-6
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7/27/2007 22:50	1.586	-6
7/27/2007 22:55	1.586	-6
7/27/2007 23:00	1.586	-6
7/27/2007 23:05	1.586	-6
7/27/2007 23:10	1.586	-6
7/27/2007 23:15	1.586	-6
7/27/2007 23:20	1.586	-6
7/27/2007 23:25	1.586	-6
7/27/2007 23:30	1.586	-6
7/27/2007 23:35	1.586	-6
7/27/2007 23:40	1.586	-6
7/27/2007 23:45	1.586	-6
7/27/2007 23:50	1.586	-6
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7/28/2007 0:15	1.586	-6
7/28/2007 0:20	1.586	-6
7/28/2007 0:25	1.586	-6
7/28/2007 0:30	1.586	-6
7/28/2007 0:35	1.586	-6
7/28/2007 0:40	1.586	-6
7/28/2007 0:45	1.586	-6
7/28/2007 0:50	1.586	-6
7/28/2007 0:55	1.586	-6
7/28/2007 1:00	1.586	-6
7/28/2007 1:05	1.586	-6
7/28/2007 1:10	1.586	-6
7/28/2007 1:15	1.586	-6
7/28/2007 1:20	1.586	-6
7/28/2007 1:25	1.586	-6
7/28/2007 1:30	1.586	-6
7/28/2007 1:35	1.586	-6



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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/28/2007 1:40	1.586	-6
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7/28/2007 2:00	1.586	-6
7/28/2007 2:05	1.586	-6
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7/28/2007 2:15	1.586	-6
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7/28/2007 2:25	1.586	-6
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 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/28/2007 15:40	1.586	-6
7/28/2007 15:45	1.586	-6
7/28/2007 15:50	1.586	-6
7/28/2007 15:55	1.586	-6
7/28/2007 16:00	1.586	-6
7/28/2007 16:05	1.586	-6
7/28/2007 16:10	1.586	-6
7/28/2007 16:15	1.586	-6
7/28/2007 16:20	1.586	-6
7/28/2007 16:25	1.586	-6
7/28/2007 16:30	1.586	-6
7/28/2007 16:35	1.586	-6
7/28/2007 16:40	1.586	-6
7/28/2007 16:45	1.586	-6
7/28/2007 16:50	1.586	-6
7/28/2007 16:55	1.586	-6
7/28/2007 17:00	1.586	-6
7/28/2007 17:05	1.586	-6
7/28/2007 17:10	1.586	-6
7/28/2007 17:15	1.586	-6
7/28/2007 17:20	1.586	-6
7/28/2007 17:25	1.586	-6
7/28/2007 17:30	1.586	-6
7/28/2007 17:35	1.586	-6

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/28/2007 17:40	1.586	-6
7/28/2007 17:45	1.586	-6
7/28/2007 17:50	1.586	-6
7/28/2007 17:55	1.586	-6
7/28/2007 18:00	1.586	-6
7/28/2007 18:05	1.586	-6
7/28/2007 18:10	1.586	-6
7/28/2007 18:15	1.586	-6
7/28/2007 18:20	1.586	-6
7/28/2007 18:25	1.586	-6
7/28/2007 18:30	1.586	-6
7/28/2007 18:35	1.586	-6
7/28/2007 18:40	1.586	-6
7/28/2007 18:45	1.586	-6
7/28/2007 18:50	1.586	-6
7/28/2007 18:55	1.586	-6
7/28/2007 19:00	1.586	-6
7/28/2007 19:05	1.586	-6
7/28/2007 19:10	1.586	-6
7/28/2007 19:15	1.586	-6
7/28/2007 19:20	1.586	-6
7/28/2007 19:25	1.586	-6
7/28/2007 19:30	1.586	-6
7/28/2007 19:35	1.586	-6
7/28/2007 19:40	1.586	-6
7/28/2007 19:45	1.586	-6
7/28/2007 19:50	1.586	-6
7/28/2007 19:55	1.586	-6
7/28/2007 20:00	1.586	-6
7/28/2007 20:05	1.586	-6
7/28/2007 20:10	1.586	-6
7/28/2007 20:15	1.586	-6
7/28/2007 20:20	1.586	-6
7/28/2007 20:25	1.586	-6
7/28/2007 20:30	1.586	-6
7/28/2007 20:35	1.586	-6
7/28/2007 20:40	1.586	-6
7/28/2007 20:45	1.586	-6
7/28/2007 20:50	1.586	-6
7/28/2007 20:55	1.586	-6
7/28/2007 21:00	1.586	-6
7/28/2007 21:05	1.586	-6
7/28/2007 21:10	1.586	-6
7/28/2007 21:15	1.586	-6
7/28/2007 21:20	1.586	-6
7/28/2007 21:25	1.586	-6
7/28/2007 21:30	1.586	-6
7/28/2007 21:35	1.586	-6

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7/28/2007 22:00	1.586	-6
7/28/2007 22:05	1.586	-6
7/28/2007 22:10	1.586	-6
7/28/2007 22:15	1.586	-6
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7/28/2007 22:25	1.586	-6
7/28/2007 22:30	1.586	-6
7/28/2007 22:35	1.586	-6
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7/28/2007 22:50	1.586	-6
7/28/2007 22:55	1.586	-6
7/28/2007 23:00	1.586	-6
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7/28/2007 23:55	1.586	-6
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7/29/2007 1:30	1.586	-6
7/29/2007 1:35	1.586	-6

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7/29/2007 5:30	1.586	-6
7/29/2007 5:35	1.586	-6

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7/29/2007 9:30	1.586	-6
7/29/2007 9:35	1.586	-6



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7/29/2007 9:50	1.586	-6
7/29/2007 9:55	1.586	-6
7/29/2007 10:00	1.586	-6
7/29/2007 10:05	1.586	-6
7/29/2007 10:10	1.586	-6
7/29/2007 10:15	1.586	-6
7/29/2007 10:20	1.586	-6
7/29/2007 10:25	1.586	-6
7/29/2007 10:30	1.586	-6
7/29/2007 10:35	1.586	-6
7/29/2007 10:40	1.586	-6
7/29/2007 10:45	1.586	-6
7/29/2007 10:50	1.586	-6
7/29/2007 10:55	1.586	-6
7/29/2007 11:00	1.586	-6
7/29/2007 11:05	1.586	-6
7/29/2007 11:10	1.586	-6
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7/29/2007 11:30	1.586	-6
7/29/2007 11:35	1.586	-6
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7/29/2007 11:50	1.586	-6
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7/29/2007 12:05	1.586	-6
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7/29/2007 12:20	1.586	-6
7/29/2007 12:25	1.586	-6
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7/29/2007 12:35	1.586	-6
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7/29/2007 13:10	1.586	-6
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7/29/2007 13:20	1.586	-6
7/29/2007 13:25	1.586	-6
7/29/2007 13:30	1.586	-6
7/29/2007 13:35	1.586	-6

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UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
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7/30/2007 3:05	1.586	-6
7/30/2007 3:10	1.586	-6
7/30/2007 3:15	1.586	-6
7/30/2007 3:20	1.586	-6
7/30/2007 3:25	1.586	-6
7/30/2007 3:30	1.586	-6
7/30/2007 3:35	1.586	-6
7/30/2007 3:40	1.586	-6
7/30/2007 3:45	1.586	-6
7/30/2007 3:50	1.586	-6
7/30/2007 3:55	1.586	-6
7/30/2007 4:00	1.586	-6
7/30/2007 4:05	1.586	-6
7/30/2007 4:10	1.586	-6
7/30/2007 4:15	1.586	-6
7/30/2007 4:20	1.586	-6
7/30/2007 4:25	1.586	-6
7/30/2007 4:30	1.586	-6
7/30/2007 4:35	1.586	-6
7/30/2007 4:40	1.586	-6
7/30/2007 4:45	1.586	-6
7/30/2007 4:50	1.586	-6
7/30/2007 4:55	1.586	-6
7/30/2007 5:00	1.586	-6
7/30/2007 5:05	1.586	-6
7/30/2007 5:10	1.586	-6
7/30/2007 5:15	1.586	-6
7/30/2007 5:20	1.586	-6
7/30/2007 5:25	1.586	-6
7/30/2007 5:30	1.586	-6
7/30/2007 5:35	1.586	-6

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/30/2007 5:40	1.586	-6
7/30/2007 5:45	1.586	-6
7/30/2007 5:50	1.586	-6
7/30/2007 5:55	1.586	-6
7/30/2007 6:00	1.586	-6
7/30/2007 6:05	1.586	-6
7/30/2007 6:10	1.586	-6
7/30/2007 6:15	1.586	-6
7/30/2007 6:20	1.586	-6
7/30/2007 6:25	1.586	-6
7/30/2007 6:30	1.586	-6
7/30/2007 6:35	1.586	-6
7/30/2007 6:40	1.586	-6
7/30/2007 6:45	1.586	-6
7/30/2007 6:50	1.586	-6
7/30/2007 6:55	1.586	-6
7/30/2007 7:00	1.586	-6
7/30/2007 7:05	1.586	-6
7/30/2007 7:10	1.586	-6
7/30/2007 7:15	1.586	-6
7/30/2007 7:20	1.586	-6
7/30/2007 7:25	1.586	-6
7/30/2007 7:30	1.586	-6
7/30/2007 7:35	1.586	-6
7/30/2007 7:40	1.586	-6
7/30/2007 7:45	1.586	-6
7/30/2007 7:50	1.586	-6
7/30/2007 7:55	1.586	-6
7/30/2007 8:00	1.586	-6
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7/30/2007 8:15	1.586	-6
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7/30/2007 8:30	1.586	-6
7/30/2007 8:35	1.586	-6
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7/30/2007 8:45	1.586	-6
7/30/2007 8:50	1.586	-6
7/30/2007 8:55	1.586	-6
7/30/2007 9:00	1.586	-6
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7/30/2007 9:10	1.586	-6
7/30/2007 9:15	1.586	-6
7/30/2007 9:20	1.586	-6
7/30/2007 9:25	1.586	-6
7/30/2007 9:30	1.586	-6
7/30/2007 9:35	1.586	-6

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 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/30/2007 9:50	1.586	-6
7/30/2007 9:55	1.586	-6
7/30/2007 10:00	1.586	-6
7/30/2007 10:05	1.586	-6
7/30/2007 10:10	1.586	-6
7/30/2007 10:15	1.586	-6
7/30/2007 10:20	1.586	-6
7/30/2007 10:25	1.586	-6
7/30/2007 10:30	1.586	-6
7/30/2007 10:35	1.586	-6
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7/30/2007 10:55	1.586	-6
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7/30/2007 13:30	1.586	-6
7/30/2007 13:35	1.586	-6

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7/30/2007 14:05	1.586	-6
7/30/2007 14:10	1.586	-6
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7/30/2007 15:00	1.586	-6
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7/30/2007 15:50	1.586	-6
7/30/2007 15:55	1.586	-6
7/30/2007 16:00	1.586	-6
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7/30/2007 16:30	1.586	-6
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7/30/2007 17:10	1.586	-6
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7/30/2007 17:20	1.586	-6
7/30/2007 17:25	1.586	-6
7/30/2007 17:30	1.586	-6
7/30/2007 17:35	1.586	-6



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7/30/2007 18:45	1.586	-6
7/30/2007 18:50	1.586	-6
7/30/2007 18:55	1.586	-6
7/30/2007 19:00	1.586	-6
7/30/2007 19:05	1.586	-6
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7/30/2007 19:15	1.586	-6
7/30/2007 19:20	1.586	-6
7/30/2007 19:25	1.586	-6
7/30/2007 19:30	1.586	-6
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7/30/2007 19:55	1.586	-6
7/30/2007 20:00	1.586	-6
7/30/2007 20:05	1.586	-6
7/30/2007 20:10	1.586	-6
7/30/2007 20:15	1.586	-6
7/30/2007 20:20	1.586	-6
7/30/2007 20:25	1.586	-6
7/30/2007 20:30	1.586	-6
7/30/2007 20:35	1.586	-6
7/30/2007 20:40	1.586	-6
7/30/2007 20:45	1.586	-6
7/30/2007 20:50	1.586	-6
7/30/2007 20:55	1.586	-6
7/30/2007 21:00	1.586	-6
7/30/2007 21:05	1.586	-6
7/30/2007 21:10	1.586	-6
7/30/2007 21:15	1.586	-6
7/30/2007 21:20	1.586	-6
7/30/2007 21:25	1.586	-6
7/30/2007 21:30	1.586	-6
7/30/2007 21:35	1.586	-6

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UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/30/2007 21:40	1.586	-6
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7/30/2007 21:50	1.586	-6
7/30/2007 21:55	1.586	-6
7/30/2007 22:00	1.586	-6
7/30/2007 22:05	1.586	-6
7/30/2007 22:10	1.586	-6
7/30/2007 22:15	1.586	-6
7/30/2007 22:20	1.586	-6
7/30/2007 22:25	1.586	-6
7/30/2007 22:30	1.586	-6
7/30/2007 22:35	1.586	-6
7/30/2007 22:40	1.586	-6
7/30/2007 22:45	1.586	-6
7/30/2007 22:50	1.586	-6
7/30/2007 22:55	1.586	-6
7/30/2007 23:00	1.586	-6
7/30/2007 23:05	1.586	-6
7/30/2007 23:10	1.586	-6
7/30/2007 23:15	1.586	-6
7/30/2007 23:20	1.586	-6
7/30/2007 23:25	1.586	-6
7/30/2007 23:30	1.586	-6
7/30/2007 23:35	1.586	-6
7/30/2007 23:40	1.586	-6
7/30/2007 23:45	1.586	-6
7/30/2007 23:50	1.586	-6
7/30/2007 23:55	1.586	-6
7/31/2007 0:00	1.586	-6
7/31/2007 0:05	1.586	-6
7/31/2007 0:10	1.586	-6
7/31/2007 0:15	1.586	-6
7/31/2007 0:20	1.586	-6
7/31/2007 0:25	1.586	-6
7/31/2007 0:30	1.586	-6
7/31/2007 0:35	1.586	-6
7/31/2007 0:40	1.586	-6
7/31/2007 0:45	1.586	-6
7/31/2007 0:50	1.586	-6
7/31/2007 0:55	1.586	-6
7/31/2007 1:00	1.586	-6
7/31/2007 1:05	1.586	-6
7/31/2007 1:10	1.586	-6
7/31/2007 1:15	1.586	-6
7/31/2007 1:20	1.586	-6
7/31/2007 1:25	1.586	-6
7/31/2007 1:30	1.586	-6
7/31/2007 1:35	1.586	-6

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UNKAMET BROOK AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site Name Isco Quantity Label Units Resolution Significant Digits	2100 Series Site Level Level ft 0.001 5	2100 Series Site Velocity Velocity ft/s 0.01 4
7/31/2007 1:40	1.586	-6
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7/31/2007 2:40	1.586	-6
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7/31/2007 3:05	1.586	-6
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7/31/2007 3:15	1.586	-6
7/31/2007 3:20	1.586	-6
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7/31/2007 3:50	1.586	-6
7/31/2007 3:55	1.586	-6
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 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

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7/31/2007 14:35	1.586	-6
7/31/2007 14:40	1.586	-6
7/31/2007 14:45	1.586	-6
7/31/2007 14:50	1.586	-6
7/31/2007 14:55	1.586	-6
7/31/2007 15:00	1.586	-6

**ITEM 8  
FORMER OXBOW AREAS A & C  
(GECD410)  
AUGUST 2007**

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

a. **Activities Undertaken/Completed**

None

b. **Sampling/Test Results Received**

None

c. **Work Plans/Reports/Documents Submitted**

None

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

Prepare and submit draft Final Completion Report (following discussion of EPA comments on draft Final Completion Report for Newell Street Area I – see Item 10).

e. **General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

f. **Proposed/Approved Work Plan Modifications**

None

**ITEM 9  
LYMAN STREET AREA  
(GEC430)  
AUGUST 2007**

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

**a. Activities Undertaken/Completed**

- Continued performance of remediation activities at properties east of Lyman Street.
- Conducted air monitoring for particulates and PCBs, as identified in Table 9-1.

**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 performance of remediation activities at properties east of Lyman Street.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

**f. Proposed/Approved Work Plan Modifications**

None



**TABLE 9-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

**LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	LY-2A	8/1/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	LY-3	8/1/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	LY-4	8/1/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	Background Location	8/1/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/2/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	LY-3	8/2/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	LY-4	8/2/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	Background Location	8/2/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/3/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	LY-3	8/3/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	LY-4	8/3/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	Background Location	8/3/2007	Air	Berkshire Environmental	Particulate Matter	8/6/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/1/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-3	8/1/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-4	8/1/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Background Location	8/1/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/2/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-3	8/2/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-4	8/2/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Background Location	8/2/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/3/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-3	8/3/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-4	8/3/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Background Location	8/3/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/6/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-3	8/6/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-4	8/6/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Background Location	8/6/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/7/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-3	8/7/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-4	8/7/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Background Location	8/7/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/8/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-3	8/8/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-4	8/8/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Background Location	8/8/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/9/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007

**TABLE 9-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

**LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	LY-3	8/9/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-4	8/9/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Background Location	8/9/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/10/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-3	8/10/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-4	8/10/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	Background Location	8/10/2007	Air	Berkshire Environmental	Particulate Matter	8/13/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/13/2007	Air	Berkshire Environmental	Particulate Matter	8/17/2007
Ambient Air Particulate Matter Sampling	LY-3	8/13/2007	Air	Berkshire Environmental	Particulate Matter	8/17/2007
Ambient Air Particulate Matter Sampling	LY-4	8/13/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Background Location	8/13/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/14/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	LY-3	8/14/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	LY-4	8/14/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Background Location	8/14/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/15/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	LY-3	8/15/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	LY-4	8/15/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Background Location	8/15/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/16/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	LY-3	8/16/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	LY-4	8/16/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Background Location	8/16/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/17/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	LY-3	8/17/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	LY-4	8/17/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	Background Location	8/17/2007	Air	Berkshire Environmental	Particulate Matter	8/20/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/20/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	LY-3	8/20/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	LY-4	8/20/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	Background Location	8/20/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	LY-2A	8/21/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	LY-3	8/21/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	LY-4	8/21/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	Background Location	8/21/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	LY-2A	8/22/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	LY-3	8/22/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07

**TABLE 9-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

**LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	LY-4	8/22/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	Background Location	8/22/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	LY-2A	8/23/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	LY-3	8/23/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	LY-4	8/23/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	Background Location	8/23/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	LY-2A	8/24/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	LY-3	8/24/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	LY-4	8/24/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	Background Location	8/24/2007	Air	Berkshire Environmental	Particulate Matter	08/28/07
Ambient Air Particulate Matter Sampling	LY-2A	8/27/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	LY-3	8/27/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	LY-4	8/27/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Background Location	8/27/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/28/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	LY-3	8/28/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	LY-4	8/28/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Background Location	8/28/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/29/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	LY-3	8/29/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	LY-4	8/29/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Background Location	8/29/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/30/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	LY-3	8/30/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	LY-4	8/30/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Background Location	8/30/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	LY-2A	8/31/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	LY-3	8/31/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	LY-4	8/31/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
Ambient Air Particulate Matter Sampling	Background Location	8/31/2007	Air	Berkshire Environmental	Particulate Matter	9/4/2007
PCB Ambient Air Sampling	Field Blank	08/14 - 08/15/07	Air	NEA	PCB	8/21/2007
PCB Ambient Air Sampling	LY-2A	08/14 - 08/15/07	Air	NEA	PCB	8/21/2007
PCB Ambient Air Sampling	LY-3	08/14 - 08/15/07	Air	NEA	PCB	8/21/2007
PCB Ambient Air Sampling	LY-3 (colocated)	08/14 - 08/15/07	Air	NEA	PCB	8/21/2007
PCB Ambient Air Sampling	LY-4	08/14 - 08/15/07	Air	NEA	PCB	8/21/2007
PCB Ambient Air Sampling	Background - East of Building 9B	08/14 - 08/15/07	Air	NEA	PCB	8/21/2007

**TABLE 9-2  
 AMBIENT AIR PCB DATA RECEIVED DURING AUGUST 2007**

**PCB AMBIENT AIR CONCENTRATIONS  
 LYMAN STREET AREA  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

<b>Sampling Event Period</b>	<b>Date Analytical Results Received by Berkshire Environmental Consultants, Inc.</b>	<b>Field Blank (µg/PUF)</b>	<b>LY-2A (µg/m3)</b>	<b>LY-3 (µg/m3)</b>	<b>LY-3 (colocated) (µg/m3)</b>	<b>LY-4 (µg/m3)</b>	<b>Background - East of Building 9B (µg/m3)</b>
08/14 - 08/15/07	08/20/07	ND (<0.10)	0.0023	0.0023	0.0021	0.0015	0.0016
Notification Level		0.05	0.05	0.05	0.05	0.05	0.05

Notes:  
 ND - Non-Detect

**TABLE 9-3  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING AUGUST 2007**

**PARTICULATE AMBIENT AIR CONCENTRATIONS  
 LYMAN STREET PARKING LOT  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Date <sup>2</sup>	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	Background Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
08/01/07	LY-2A	0.025*	0.009**	11:30	WNW
	LY-3	0.015*		11:30	
	LY-4	0.024*		11:30	
08/02/07	LY-2A	0.029*	0.013**	11:00	Variable
	LY-3	0.018*		11:00	
	LY-4	0.027*		10:45	
08/03/07	LY-2A	0.068*	0.032**	11:15	SSW
	LY-3	0.046*		11:15	
	LY-4	0.067*		11:15	
08/06/07	LY-2A	0.044*	0.020**	11:00	SSW, WSW
	LY-3	0.032*		11:00	
	LY-4	0.041*		11:15	
08/07/07	LY-2A	0.035*	0.011**	11:15	Calm
	LY-3	0.024*		11:30	
	LY-4	0.033*		11:15	
08/08/07	LY-2A	0.047*	0.035**	11:00	WSW
	LY-3	0.036*		11:00	
	LY-4	0.043*		11:00	
08/09/07	LY-2A	0.003*	0.001**	11:00	Calm
	LY-3	0.002*		11:00	
	LY-4	0.004*		11:00	
08/10/07	LY-2A	0.002*	0.007**	11:15	Variable
	LY-3	0.001*		11:15	
	LY-4	0.003*		11:15	
08/13/07	LY-2A	0.025*	0.010**	11:00	WNW
	LY-3	0.017*		11:00	
	LY-4	0.024*		11:00	
08/14/07	LY-2A	0.006*	0.004**	10:30	WNW
	LY-3	0.030*		10:30	
	LY-4	0.005*		10:45	
08/15/07	LY-2A	0.015*	0.013**	11:00	WSW
	LY-3	0.009*		11:00	
	LY-4	0.014*		11:00	
08/16/07	LY-2A	0.027*	0.017**	10:30	SSW
	LY-3	0.021*		10:30	
	LY-4	0.025*		10:15	
08/17/07	LY-2A	0.005*	0.003**	11:00	WNW
	LY-3	0.003*		11:00	
	LY-4	0.007*		11:00	

**TABLE 9-3  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING AUGUST 2007**

**PARTICULATE AMBIENT AIR CONCENTRATIONS  
 LYMAN STREET PARKING LOT  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Date <sup>2</sup>	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	Background Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
08/20/07	LY-2A	0.005*	0.004**	10:30	Calm
	LY-3	0.004*		10:30	
	LY-4	0.007*		10:30	
08/21/07	LY-2A	0.009*	0.004**	11:00	Calm
	LY-3	0.004*		11:00	
	LY-4	0.007*		10:45	
08/22/07	LY-2A	0.004*	0.003**	11:15	Variable
	LY-3	0.003*		11:15	
	LY-4	0.003*		10:45	
08/23/07	LY-2A	0.007*	0.004**	10:45	Variable
	LY-3	0.003*		10:45	
	LY-4	0.006*		10:30	
08/24/07	LY-2A	0.069*	0.021**	11:00	Variable
	LY-3	0.048*		10:45	
	LY-4	0.063*		11:00	
08/27/07	LY-2A	0.008*	0.002**	11:15	Calm
	LY-3	0.005*		11:15	
	LY-4	0.009*		11:15	
08/28/07	LY-2A	0.011*	0.005**	10:30	Variable
	LY-3	0.006*		10:30	
	LY-4	0.010*		10:30	
08/29/07	LY-2A	0.026*	0.014**	11:30	SSW
	LY-3	0.016*		11:30	
	LY-4	0.025*		11:45	
08/30/07	LY-2A	0.065*	0.024**	10:45	Calm
	LY-3	0.042*		10:45	
	LY-4	0.065*		10:45	
08/31/07	LY-2A	0.019*	0.006**	11:00	Variable
	LY-3	0.013*		11:00	
	LY-4	0.016*		11:00	
Notification Level		0.120			

**Notes:**

\* Measured with DR-2000 or DR-4000.

\*\* Measured with EBAM.

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

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

<sup>1</sup> Monitoring was performed only on days when site activities occurred.

<sup>2</sup> The particulate monitors obtain real-time data. The sampling data were obtained by Berkshire Environmental Consultants, Inc. on the sampling date.

**ITEM 10  
NEWELL STREET AREA I  
(GECD440)  
AUGUST 2007**

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

**a. Activities Undertaken/Completed**

Received copy of EPA letter to MDEP, dated August 1, 2007, stating that EREs for GE-owned properties at Newell Street Area I are acceptable.

**b. Sampling/Test Results Received**

None

**c. Work Plans/Reports/Documents Submitted**

Submitted final EREs for GE-owned properties to MDEP for acceptance and signature (August 16, 2007).

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

Following receipt of EPA's comments on draft Final Completion Report, submit revised version of that report to EPA.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

Issues relating to draft Final Completion Report are under discussion with EPA.

**f. Proposed/Approved Work Plan Modifications**

None

**ITEM 11  
NEWELL STREET AREA II  
(GECD450)  
AUGUST 2007**

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

a. **Activities Undertaken/Completed**

None

b. **Sampling/Test Results Received**

None

c. **Work Plans/Reports/Documents Submitted**

Submitted report on the June 2007 inspection of Natural Resource Restoration/Enhancement Areas (August 3, 2007).

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

- Conduct installation inspection and meeting with Natural Resource Trustees, along with second inspection of plantings installed as part of natural resource restoration/enhancement activities (early September 2007).
- Prepare draft EREs and associated survey plans for GE-owned properties.

e. **General Progress/Unresolved Issues/Potential Schedule Impacts**

Draft Final Completion Report is under review by EPA.

f. **Proposed/Approved Work Plan Modifications**

None



**ITEM 12  
FORMER OXBOW AREAS J & K  
(GECD420)  
AUGUST 2007**

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

a. **Activities Undertaken/Completed**

None

b. **Sampling/Test Results Received**

None

c. **Work Plans/Reports/Documents Submitted**

None

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

None

e. **General Progress/Unresolved Issues/Potential Schedule Impacts**

Draft Final Completion Report is under review by EPA.

f. **Proposed/Approved Work Plan Modifications**

None

**ITEM 13  
HOUSATONIC RIVER AREA  
UPPER ½ MILE REACH  
(GECD800)  
AUGUST 2007**

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

**a. Activities Undertaken/Completed**

- Collected isolation layer samples at eight locations, as described in 2006 Annual Monitoring Report (August 10-13, 2007).
- Performed 2007 inspections of restored bank vegetation, armor stone, and aquatic habitat enhancement structures (August 22, 23, and 24, 2007).

**b. Sampling/Test Results Received**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

None

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

- Initiate bank soil removal and armor stone placement activities to address erosion issues.
- Submit summary report and evaluation on May 2007 sampling of sediments deposited on top of cap/armor stone and on August 2007 sampling of cap isolation layer.
- Prepare trip reports related to 2007 inspections of restored bank vegetation, armor stone, and aquatic habitat enhancement structures

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

GE submitted a report evaluating the TOC content and effectiveness of the isolation layer on March 14, 2007. The Final Completion Report for the Upper ½-Mile Reach Removal Action will be submitted following EPA review and approval of that report.

**f. Proposed/Approved Work Plan Modifications**

None

**TABLE 13-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

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

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Depth (feet)</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Isolation Layer Cap Sampling	CAP-MON-1A-2007	8/10/07	2-4	Sediment	NEA	PCB, TOC	8/23/07
Isolation Layer Cap Sampling	CAP-MON-1A-2007	8/10/07	4-6	Sediment	NEA	PCB, TOC	8/23/07
Isolation Layer Cap Sampling	CAP-MON-1A-2007	8/10/07	6-8	Sediment	NEA	PCB, TOC	8/23/07
Isolation Layer Cap Sampling	CAP-MON-1B-2007	8/10/07	0-12	Sediment	NEA	TOC	8/23/07
Isolation Layer Cap Sampling	CAP-MON-2A-2007	8/10/07	2-4	Sediment	NEA	PCB, TOC	8/23/07
Isolation Layer Cap Sampling	CAP-MON-2A-2007	8/10/07	4-6	Sediment	NEA	PCB, TOC	8/23/07
Isolation Layer Cap Sampling	CAP-MON-2A-2007	8/10/07	6-8	Sediment	NEA	PCB, TOC	8/23/07
Isolation Layer Cap Sampling	CAP-MON-2B-2007	8/10/07	0-26	Sediment	NEA	TOC	8/23/07
Isolation Layer Cap Sampling	CAP-MON-3A-2007	8/10/07	2-4	Sediment	NEA	PCB, TOC	8/23/07
Isolation Layer Cap Sampling	CAP-MON-3A-2007	8/10/07	4-6	Sediment	NEA	PCB, TOC	8/23/07
Isolation Layer Cap Sampling	CAP-MON-3A-2007	8/10/07	6-8	Sediment	NEA	PCB, TOC	8/23/07
Isolation Layer Cap Sampling	CAP-MON-3B-2007	8/10/07	0-10	Sediment	NEA	TOC	8/23/07
Isolation Layer Cap Sampling	CAP-MON-4A-2007	8/10/07	2-4	Sediment	NEA	PCB, TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-4A-2007	8/10/07	4-6	Sediment	NEA	PCB, TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-4A-2007	8/10/07	6-8	Sediment	NEA	PCB, TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-4B-2007	8/10/07	0-12	Sediment	NEA	TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-5A-2007	8/10/07	2-4	Sediment	NEA	PCB, TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-5A-2007	8/10/07	4-6	Sediment	NEA	PCB, TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-5A-2007	8/10/07	6-8	Sediment	NEA	PCB, TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-5B-2007	8/10/07	0-18	Sediment	NEA	TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-6A-2007	8/10/07	2-4	Sediment	NEA	PCB, TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-6A-2007	8/10/07	4-6	Sediment	NEA	PCB, TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-6A-2007	8/10/07	6-8	Sediment	NEA	PCB, TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-6B-2007	8/10/07	0-16	Sediment	NEA	TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-7A-2007	8/10/07	2-4	Sediment	NEA	PCB, TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-7A-2007	8/10/07	4-6	Sediment	NEA	PCB, TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-7A-2007	8/10/07	6-8	Sediment	NEA	PCB, TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-7B-2007	8/10/07	0-14	Sediment	NEA	TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-8A-2007	8/10/07	2-4	Sediment	NEA	PCB, TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-8A-2007	8/10/07	4-6	Sediment	NEA	PCB, TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-8A-2007	8/10/07	6-8	Sediment	NEA	PCB, TOC	8/27/07
Isolation Layer Cap Sampling	CAP-MON-8B-2007	8/10/07	0-13	Sediment	NEA	TOC	8/27/07

**TABLE 13-2  
SEDIMENT DATA RECEIVED DURING AUGUST 2007**

**ISOLATION LAYER CAP SAMPLING  
HOUSATONIC RIVER - UPPER 1/2 MILE REACH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Inches): Date Collected:	CAP-MON-1A-2007 2-4 08/10/07	CAP-MON-1A-2007 4-6 08/10/07	CAP-MON-1A-2007 6-8 08/10/07	CAP-MON-1B-2007 0-12 08/10/07	CAP-MON-2A-2007 2-4 08/10/07	CAP-MON-2A-2007 4-6 08/10/07
<b>PCBs</b>							
Aroclor-1242		ND(0.054)	ND(0.055)	ND(0.056)	NA	ND(0.056)	ND(0.057)
Aroclor-1254		0.064 AF	ND(0.055)	ND(0.056)	NA	0.076 AF	ND(0.057)
Aroclor-1260		ND(0.054)	ND(0.055)	ND(0.056)	NA	ND(0.056)	ND(0.057)
Total PCBs		0.064	ND(0.055)	ND(0.056)	NA	0.076	ND(0.057)
<b>Total Organic Carbon</b>							
TOC - Replicate 1		8700	5500	6400	2000	7300	7500
TOC - Replicate 2		5900	3700	3100	9300	8000	2000
TOC - Replicate 3		4300	4100	1600	4200	7200	5100
TOC - Replicate 4		2900	NA <sup>1</sup>	2600	3400	NA <sup>1</sup>	4900
TOC - Average		5500	4500	3400	4700	7500	4900
TOC - % RSD		46	21	62	67	5.3	46

**TABLE 13-2  
SEDIMENT DATA RECEIVED DURING AUGUST 2007**

**ISOLATION LAYER CAP SAMPLING  
HOUSATONIC RIVER - UPPER 1/2 MILE REACH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Inches): Date Collected:	CAP-MON-2A-2007 6-8 08/10/07	CAP-MON-2B-2007 0-26 08/10/07	CAP-MON-3A-2007 2-4 08/10/07	CAP-MON-3A-2007 4-6 08/10/07	CAP-MON-3A-2007 6-8 08/10/07	CAP-MON-3B-2007 0-10 08/10/07
<b>PCBs</b>							
Aroclor-1242		ND(0.056)	NA	ND(0.057)	ND(0.056)	0.070 AD	NA
Aroclor-1254		ND(0.056)	NA	ND(0.057)	ND(0.056)	ND(0.056)	NA
Aroclor-1260		ND(0.056)	NA	ND(0.057)	ND(0.056)	ND(0.056)	NA
Total PCBs		ND(0.056)	NA	ND(0.057)	ND(0.056)	0.070	NA
<b>Total Organic Carbon</b>							
TOC - Replicate 1		3300	1200	1500	1300	1600	1800
TOC - Replicate 2		4900	1500	1200	2600	8100	3100
TOC - Replicate 3		4600	2000	10000	2000	1900	8700
TOC - Replicate 4		NA <sup>1</sup>	1400	5200	2600	3800	3800
TOC - Average		4300	1500	4600	2100	3800	4300
TOC - % RSD		20	22	94	30	79	69

**TABLE 13-2  
SEDIMENT DATA RECEIVED DURING AUGUST 2007**

**ISOLATION LAYER CAP SAMPLING  
HOUSATONIC RIVER - UPPER 1/2 MILE REACH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Inches): Date Collected:	CAP-MON-4A-2007 2-4 08/10/07	CAP-MON-4A-2007 4-6 08/10/07	CAP-MON-4A-2007 6-8 08/10/07	CAP-MON-4B-2007 0-12 08/10/07	CAP-MON-5A-2007 2-4 08/10/07	CAP-MON-5A-2007 4-6 08/10/07
<b>PCBs</b>							
Aroclor-1242		ND(0.058)	ND(0.058)	ND(0.057)	NA	ND(0.057)	ND(0.059)
Aroclor-1254		ND(0.058)	ND(0.058)	ND(0.057)	NA	ND(0.057)	ND(0.059)
Aroclor-1260		ND(0.058)	ND(0.058)	ND(0.057)	NA	ND(0.057)	ND(0.059)
Total PCBs		ND(0.058)	ND(0.058)	ND(0.057)	NA	ND(0.057)	ND(0.059)
<b>Total Organic Carbon</b>							
TOC - Replicate 1		7700	14000	14000	8700	15000	18000
TOC - Replicate 2		13000	11000	12000	12000	20000	14000
TOC - Replicate 3		18000	17000	10000	10000	12000	5300
TOC - Replicate 4		8600	NA <sup>1</sup>	NA <sup>1</sup>	NA <sup>1</sup>	23000	9400
TOC - Average		12000	14000	12000	10000	18000	12000
TOC - % RSD		41	20	15	18	27	48

**TABLE 13-2  
SEDIMENT DATA RECEIVED DURING AUGUST 2007**

**ISOLATION LAYER CAP SAMPLING  
HOUSATONIC RIVER - UPPER 1/2 MILE REACH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Inches): Date Collected:	CAP-MON-5A-2007 6-8 08/10/07	CAP-MON-5B-2007 0-18 08/10/07	CAP-MON-6A-2007 2-4 08/10/07	CAP-MON-6A-2007 4-6 08/10/07	CAP-MON-6A-2007 6-8 08/10/07	CAP-MON-6B-2007 0-16 08/10/07
<b>PCBs</b>							
Aroclor-1242		ND(0.058)	NA	ND(0.060)	ND(0.060)	ND(0.060)	NA
Aroclor-1254		ND(0.058)	NA	ND(0.060)	ND(0.060)	ND(0.060)	NA
Aroclor-1260		ND(0.058)	NA	0.21 AG	ND(0.060)	ND(0.060)	NA
Total PCBs		ND(0.058)	NA	0.21	ND(0.060)	ND(0.060)	NA
<b>Total Organic Carbon</b>							
TOC - Replicate 1		10000	6700	12000	11000	15000	17000
TOC - Replicate 2		9500	6100	13000	20000	16000	20000
TOC - Replicate 3		14000	4700	13000	20000	22000	16000
TOC - Replicate 4		NA <sup>1</sup>	NA <sup>1</sup>	NA <sup>1</sup>	15000	NA <sup>1</sup>	NA <sup>1</sup>
TOC - Average		11000	5800	12000	17000	18000	17000
TOC - % RSD		22	18	4.2	25	21	11

**TABLE 13-2  
SEDIMENT DATA RECEIVED DURING AUGUST 2007**

**ISOLATION LAYER CAP SAMPLING  
HOUSATONIC RIVER - UPPER 1/2 MILE REACH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Inches): Date Collected:	CAP-MON-7A-2007 2-4 08/10/07	CAP-MON-7A-2007 4-6 08/10/07	CAP-MON-7A-2007 6-8 08/10/07	CAP-MON-7B-2007 0-14 08/10/07	CAP-MON-8A-2007 2-4 08/10/07	CAP-MON-8A-2007 4-6 08/10/07
<b>PCBs</b>							
Aroclor-1242		ND(0.059)	ND(0.058)	ND(0.057)	NA	ND(0.060)	ND(0.059)
Aroclor-1254		ND(0.059)	ND(0.058)	ND(0.057)	NA	ND(0.060)	ND(0.059)
Aroclor-1260		ND(0.059)	ND(0.058)	ND(0.057)	NA	0.16 AG	0.11 AG
Total PCBs		ND(0.059)	ND(0.058)	ND(0.057)	NA	0.16	0.11
<b>Total Organic Carbon</b>							
TOC - Replicate 1		15000	10000	12000	10000	9700	8900
TOC - Replicate 2		21000	11000	12000	11000	6600	13000
TOC - Replicate 3		13000	11000	12000	11000	7200	10000
TOC - Replicate 4		12000	NA <sup>1</sup>	NA <sup>1</sup>	NA <sup>1</sup>	NA <sup>1</sup>	NA <sup>1</sup>
TOC - Average		15000	11000	12000	11000	7800	11000
TOC - % RSD		26	4.1	1.5	6.0	21	19



**TABLE 13-2  
SEDIMENT DATA RECEIVED DURING AUGUST 2007**

**ISOLATION LAYER CAP SAMPLING  
HOUSATONIC RIVER - UPPER 1/2 MILE REACH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Inches): Date Collected:	CAP-MON-8A-2007 6-8 08/10/07	CAP-MON-8B-2007 0-13 08/10/07
<b>PCBs</b>			
Aroclor-1242		ND(0.055)	NA
Aroclor-1254		ND(0.055)	NA
Aroclor-1260		ND(0.055)	NA
Total PCBs		ND(0.055)	NA
<b>Total Organic Carbon</b>			
TOC - Replicate 1		12000	11000
TOC - Replicate 2		16000	8300
TOC - Replicate 3		7800	7100
TOC - Replicate 4		8300	NA <sup>1</sup>
TOC - Average		11000	8700
TOC - % RSD		33	20

Notes:

1. Samples were collected by ARCADIS BBL, and submitted to Northeast Analytical, Inc. for analysis of PCBs and total organic carbon (TOC).
2. NA - Not Analyzed - Laboratory did not report results for this analyte.
3. NA<sup>1</sup>- Not Analyzed - TOC Replicate 4 is only analyzed and reported by laboratory when the percent relative standard deviation (% RSD) of Replicate 1 thru Replicate 3 is greater than 25%.
4. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
5. Sample depth measured from bottom of geotextile layer up.
6. Only those constituents detected in one or more samples are summarized.

Data Qualifiers:

AD - Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

**ITEM 14**  
**HOUSATONIC RIVER AREA**  
**1½ MILE REACH**  
**(GECD820)**  
**AUGUST 2007**

(Note: This item is limited to activities conducted by GE and does not include work performed by EPA.)

**a. Activities Undertaken/Completed**

On GE's behalf, ARCADIS BBL performed four rounds of routine weekly water column sampling at the Pomeroy Avenue Bridge (Location 6A). Samples were submitted to Northeast Analytical for analysis of PCBs (total), TSS, VSS, and POC, as identified in Table 14-1. This effort was a continuation of sampling performed in support of the Corrective Measures Study (CMS) modeling for the Rest of River, and is therefore further 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 water column monitoring.
- Continue routine weekly water column sampling at Pomeroy Avenue Bridge, and conduct storm event water column sampling (depending on conditions) at that location.\*

**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 AUGUST 2007**

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

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Monthly Water Column Sampling	Location-4	7/26/07	Water	NEA	PCB, TSS, POC, Chlorophyll-A	8/10/07
Monthly Water Column Sampling/Pomeroy Ave. Semi-Weekly	Location-6A	7/26/07	Water	NEA	PCB, TSS, VSS, POC, Chlorophyll-A	8/10/07
Pomeroy Ave. Semi-Weekly Water Column Sampling	LOC-6A-0720-1100	7/20/07	Water	NEA	PCB, TSS, VSS, POC	8/1/07
Pomeroy Ave. Semi-Weekly Water Column Sampling	Loc-6A-0723-1400	7/23/07	Water	NEA	PCB, TSS, VSS, POC	8/7/07
Pomeroy Ave. Weekly Water Column Sampling	Loc-6A-0801-1130	8/1/07	Water	NEA	PCB, TSS, VSS, POC	8/15/07
Pomeroy Ave. Weekly Water Column Sampling	Loc-6A-0808-1000	8/8/07	Water	NEA	PCB, TSS, VSS, POC	8/16/07
Pomeroy Ave. Weekly Water Column Sampling	Loc-6A-0814-1900	8/14/07	Water	NEA	PCB, TSS, VSS, POC	8/23/07
Pomeroy Ave. Weekly Water Column Sampling	Loc-6A-0822-1230	8/22/07	Water	NEA	PCB, TSS, VSS, POC	

**TABLE 14-2  
SAMPLE DATA RECEIVED DURING AUGUST 2007**

**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)	VSS
LOCATION-4	Lyman Street Bridge	07/26/07	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.45	3.30	0.0019	NA
LOCATION-6A	Pomeroy Ave. Bridge	07/26/07	ND(0.00000550)	0.0000120 PE	0.00000630 AF	ND(0.00000550)	0.0000183	0.48	3.70	0.0021	3.50

**Notes:**

1. Samples were collected by ARCADIS BBL, and submitted to Northeast Analytical, Inc. for analysis of PCBs (unfiltered), total suspended solids (TSS), particulate organic carbon (POC), chlorophyll (a) and volatile suspended solids (VSS).
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. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

**Data Qualifiers:**

AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

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

**TABLE 14-3  
SAMPLE DATA RECEIVED DURING AUGUST 2007**

**POMEROY AVE. SEMI-WEEKLY OR WEEKLY 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	VSS
LOC-6A-0720-1100	Pomeroy Ave. Bridge	07/20/07	ND(0.00000550)	0.0000180 PE	0.0000210 AF	0.0000130 AG	0.0000520	0.99	12.0	4.60
LOC-6A-0723-1400	Pomeroy Ave. Bridge	07/23/07	ND(0.00000550)	0.0000100 PE	0.0000100 AF	ND(0.00000550)	0.0000200	0.53	6.40	5.90
LOCATION-6A <sup>4</sup>	Pomeroy Ave. Bridge	07/26/07	ND(0.00000550)	0.0000120 PE	0.00000630 AF	ND(0.00000550)	0.0000183	0.48	3.70	3.50
LOC-6A-0801-1130	Pomeroy Ave. Bridge	08/01/07	ND(0.00000550)	0.00000750 PE	0.00000790 AF	ND(0.00000550)	0.0000154	0.37	2.50	ND(1.00)
LOC-6A-0808-1000	Pomeroy Ave. Bridge	08/08/07	ND(0.00000550)	0.0000140 PE	0.0000160 AF	0.0000110 AG	0.0000410	1.2	9.81	6.03
LOC-6A-0814-1900	Pomeroy Ave. Bridge	08/14/07	ND(0.00000550)	0.00000940 PE	0.00000770 AF	ND(0.00000550)	0.0000171	0.45	5.00	1.50

Notes:

1. Samples were collected by ARCADIS BBL, and submitted to Northeast Analytical, Inc. for analysis of unfiltered PCBs, total suspended solids (TSS), particulate organic carbon (POC) and volatile suspended solids (VSS).
2. Sampling methods involved the collection of composite grab samples at each location, representative of three stations (25, 50, and 75 percent of the total river width at each location) at 50 percent of the total river depth at each station.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
4. Samples collected as part of Housatonic River 1 1/2 Mile Reach Semi-Weekly Water Column Sampling and Housatonic River Monthly Water Column Monitoring Program.

Data Qualifiers:

AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

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

**ITEM 15**  
**HOUSATONIC RIVER AREA**  
**REST OF THE RIVER**  
**(GEC850)**  
**AUGUST 2007**

**a. Activities Undertaken/Completed**

- On GE's behalf, ARCADIS BBL performed four rounds of routine weekly water column sampling at the Pomeroy Avenue Bridge (Location 6A) as a continuation of the sampling program designed to obtain additional data on East Branch PCB inputs to the Rest of the River for use in the CMS modeling. Composite grab samples were collected on August 1, 8, 14, and 22, 2007, and were submitted to Northeast Analytical for analysis of PCBs (total), TSS, VSS, and POC, as identified in Table 14-1 (under Item 14 above).\*
- GE and its cultural resources consultant conducted site visit to assist in performance of Phase I Cultural Resources Assessment of the Rest of River (August 21, 2007).\*
- GE continued work on the CMS.\*
- On GE's behalf, ARCADIS BBL performed two rounds of soil and sediment sampling in support of the CMS chemical extraction treatability study. Samples were collected from various locations along the Housatonic River previously identified by EPA as having elevated PCB concentrations. Sediment samples were collected at four locations and a soil sample was collected at one location on August 6 and 7, 2007. A second round of sediment samples were collected from seven locations on August 16 and 17, 2007. Samples were submitted to Northeast Analytical for analysis of PCBs (total), as identified in Table 15-1.\*

**b. Sampling/Test Results**

See attached tables. (Note that the results from weekly water sampling conducted at the Pomeroy Avenue Bridge are provided in Table 14-3 under Item 14 above.)

**c. Work Plans/Reports/Documents Submitted**

- Submitted the credentials for the consultants who will perform a Phase 1 Cultural Resources Assessment of the Rest of River on GE's behalf (August 1, 2007).\*
- Submitted to EPA a Supplement to the Model Input Addendum (MIA), which included a summary of the supplemental sediment and water column sampling conducted in the East Branch (as proposed in the MIA) and a proposal of current and future PCB boundary condition values for the East Branch of the River for use in modeling in the CMS (August 3, 2007).\*
- Submitted an Addendum to GE's Statement of Position on objections to Condition No. 4 in EPA's July 11, 2007 conditional approval letter for GE's CMS Proposal Supplement (August 20, 2007).\*

**ITEM 15**  
**(cont'd)**  
**HOUSATONIC RIVER AREA**  
**REST OF THE RIVER**  
**(GECD850)**  
**AUGUST 2007**

**c. Work Plans/Reports/Documents Submitted (cont'd)**

- Submitted request for extension of time until March 21, 2008, to submit CMS Report (August 24, 2007).\*
- In response to EPA's letter of August 29 2007 (described in Item 15.f below) regarding the dispute on Condition No. 4 in EPA's July 11, 2007 conditional approval letter for GE's CMS Proposal Supplement, GE sent EPA a letter dated August 30, 2007, stating that, based on review of that letter and the changes to the disputed conditions, GE will not proceed further with the dispute resolution proceeding that it initiated on July 25, 2007, but noting that GE reserved all its future rights regarding these or any other conditions in EPA's July 11, 2007 letter.\*

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

- Continue Housatonic River monthly water column monitoring.
- Continue work on the CMS.\*
- Commence the chemical extraction treatability study.\*
- Submit report on 2006 sampling of fish and benthic insects in Connecticut portion of river.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

A number of issues relating to the CMS are under discussion with EPA.\*

**f. Proposed/Approved Work Plan Modifications**

- Received a letter from EPA dated August 28, 2007, providing conditional approval of GE's August 3, 2007 MIA Supplement.\*
- Received a letter from EPA dated August 29, 2007, stating that, in light of discussions between EPA and GE, EPA was making certain changes to the disputed conditions in its July 11, 2007 conditional approval letter for the CMS Proposal Supplement, based upon the understanding that GE will not go forward with the dispute resolution proceeding initiated on July 25, 2007.\*

**TABLE 15-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

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

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Depth (feet)</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Housatonic River Treatability Study	S1391214	8/16/07	1-2.5	Sediment	NEA	PCB	8/23/07
Housatonic River Treatability Study	SE000312	8/17/07	3-4.5	Sediment	NEA	PCB	8/23/07
Housatonic River Treatability Study	SE000360	8/17/07	0.5-2	Sediment	NEA	PCB	8/23/07
Housatonic River Treatability Study	SE000397	8/17/07	0-1.5	Sediment	NEA	PCB	8/23/07
Housatonic River Treatability Study	SE000889	8/16/07	0.5-2	Sediment	NEA	PCB	8/23/07
Housatonic River Treatability Study	SE001013	8/16/07	1-2.5	Sediment	NEA	PCB	8/23/07
Housatonic River Treatability Study	SE001020	8/16/07	1-2.5	Sediment	NEA	PCB	8/23/07
Housatonic River Treatability Study	TS-SD-A	8/30/07	NA	Sediment	GeoTechnics, Inc.	Grain Size	
Housatonic River Treatability Study	TS-SD-A	8/30/07	NA	Sediment	NEA	PCB, TOC	
Housatonic River Treatability Study	TS-SED-01	8/7/07	0-3.5	Sediment	NEA	PCB	8/31/07
Housatonic River Treatability Study	TS-SED-02	8/6/07	0-2	Sediment	NEA	PCB	8/31/07
Housatonic River Treatability Study	TS-SED-03/SD033303	8/6/07	0-2	Sediment	NEA	PCB	8/31/07
Housatonic River Treatability Study	TS-SED-04/SE000924	8/6/07	0-2	Sediment	NEA	PCB	8/31/07
Housatonic River Treatability Study	TS-SED-A	8/30/07	NA	Sediment	GeoTechnics, Inc.	Grain Size	
Housatonic River Treatability Study	TS-SED-A	8/30/07	NA	Sediment	NEA	PCB, TOC	
Housatonic River Treatability Study	TS-SED-B	8/30/07	NA	Sediment	GeoTechnics, Inc.	Grain Size	
Housatonic River Treatability Study	TS-SED-B	8/30/07	NA	Sediment	NEA	PCB, TOC	
Housatonic River Treatability Study	TS-SO-1	8/7/07	0-2.5	Soil	NEA	PCB	8/31/07
Monthly Water Column Sampling	HR-D1 (Location-12)	7/26/07	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	8/10/07
Monthly Water Column Sampling	Location-1	7/26/07	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	8/10/07
Monthly Water Column Sampling	Location-10	7/26/07	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	8/10/07
Monthly Water Column Sampling	Location-12	7/26/07	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	8/10/07
Monthly Water Column Sampling	Location-13	7/26/07	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	8/10/07
Monthly Water Column Sampling	Location-2	7/26/07	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	8/10/07
Monthly Water Column Sampling	Location-7	7/26/07	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	8/10/07
Monthly Water Column Sampling	Location-9	7/26/07	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	8/10/07

**Note:**

1. Field duplicate parent sample locations are presented in parenthesis.



**TABLE 15-2  
SAMPLE DATA RECEIVED DURING AUGUST 2007**

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

Sample ID	Location	Date Collected	Aroclor-1016, -1221, -1232, -1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
LOCATION-1	Hubbard Avenue Bridge	07/26/07	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.47	3.70	0.0015
LOCATION-2	Newell Street Bridge	07/26/07	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.36	3.10	0.0019
LOCATION-7	Holmes Road Bridge	07/26/07	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.0000290 AG	0.0000290	0.34	1.50	0.0018
LOCATION-9	New Lenox Road Bridge	07/26/07	ND(0.0000220)	0.0000320 PE	0.0000320 AF	0.0000570 AG	0.000121	0.44	5.10	0.0028
LOCATION-10	Headwaters of Woods Pond	07/26/07	ND(0.0000220)	0.0000360 PE	0.0000360 AF	0.0000620 AG	0.000134	0.43	3.30	0.0045
LOCATION-12	Schweitzer Bridge	07/26/07	ND(0.0000220)	0.0000370 PE	0.0000240 AF	0.0000390 AG	0.000100	0.40	2.30	0.0036
		07/26/07	[ND(0.000022)]	[0.0000280 PE]	[ND(0.0000220)]	[0.0000280 AG]	[0.0000560]	[0.30]	[2.80]	[0.0034]
LOCATION-13	Division Street Bridge	07/26/07	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.27	2.90	0.0015

Notes:

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

Data Qualifiers:

AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

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

**TABLE 15-3  
PCB DATA RECEIVED DURING AUGUST 2007**

**HOUSATONIC RIVER TREATABILITY STUDY  
HOUSATONIC RIVER - REST OF RIVER  
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	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
S1391214	1-2.5	8/16/2007	ND(4.5)	28 PE	47 AF	110 AG	185
SE000312	3-4.5	8/17/2007	ND(15)	60 PE	38 AF	310 AG	408
SE000360	0.5-2	8/17/2007	ND(0.64)	6.6 PE	4.4 AF	25 AG	36
SE000397	0-1.5	8/17/2007	ND(2.1)	17 PE	8.8 AF	40 AG	65.8
SE000889	0.5-2	8/16/2007	ND(6.0)	26 PE	56 AF	120 AG	202
SE001013	1-2.5	8/16/2007	ND(8.6)	22 PE	59 AF	210 AG	291
SE001020	1-2.5	8/16/2007	ND(2.8)	30 PE	25 AF	80 AG	135
TS-SED-01	0-3.5	8/7/2007	ND(0.18)	1.3 PE	1.7 AF	4.5 AG	7.5
TS-SED-02	0-2	8/6/2007	ND(0.64)	4.6 PE	5.1 AF	13 AG	22.7
TS-SED-03/SD033303	0-2	8/6/2007	ND(0.11)	0.42 PE	0.70 AF	2.2 AG	3.32
TS-SED-04/SE000924	0-2	8/6/2007	ND(1.3)	18 PE	23 AF	37 AG	78
TS-SO-1	0-2.5	8/7/2007	ND(3.6)	ND(3.6)	ND(3.6)	80 AG	80

Notes:

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

Data Qualifiers:

AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

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

**ITEMS 16 & 17  
HOUSATONIC RIVER FLOODPLAIN  
RESIDENTIAL AND NON-RESIDENTIAL  
PROPERTIES ADJACENT TO 1½-MILE REACH  
(GECD710 AND GECD720)  
AUGUST 2007**

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

a. **Activities Undertaken/Completed**

None

b. **Sampling/Test Results Received**

None

c. **Work Plans/Reports/Documents Submitted**

None

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

Initiate removal activities at select Phase 2 Floodplain Properties.

e. **General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

f. **Proposed/Approved Work Plan Modifications**

Received EPA's approval for GE's Addendum to Supplemental Information Package for Selected Phase 2 Floodplain Properties (August 20, 2007).

**ITEM 18  
HOUSATONIC RIVER FLOODPLAIN  
CURRENT RESIDENTIAL PROPERTIES  
DOWNSTREAM OF CONFLUENCE  
(ACTUAL/POTENTIAL LAWNS)  
(GEC730)  
AUGUST 2007**

**a. Activities Undertaken/Completed**

None

**b. Sampling/Test Results Received**

None

**c. Work Plans/Reports/Documents Submitted**

None

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

None

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

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

**f. Proposed/Approved Work Plan Modifications**

None

**ITEM 19  
ALLENDALE SCHOOL PROPERTY  
(GECD500)  
AUGUST 2007**

**a. Activities Undertaken/Completed**

None

**b. Sampling/Test Results Received**

None

**c. Work Plans/Reports/Documents Submitted**

None

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

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

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

**f. Proposed/Approved Work Plan Modifications**

None

**ITEM 20  
OTHER AREAS  
SILVER LAKE AREA  
(GEC600)  
AUGUST 2007**

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

**a. Activities Undertaken/Completed**

- Presented preliminary Pilot Study results to EPA (August 8, 2007).
- Conducted drum sampling at Building 78 of glycol from Silver Lake activities, as identified in Table 20-1.

**b. Sampling/Test Results Received**

See attached tables. Note that the grain size data presented in Table 20-3 were received on July 13, 2007, but were inadvertently omitted from the July 2007 Monthly Report.

**c. Work Plans/Reports/Documents Submitted**

None

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

- Perform supplemental/additional bank soil investigations related to stained materials observed during performance of Pilot Study, based on analytical results from initial sample collection.
- Initiate development of Pilot Study Report (due by end of September 2007).

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

**f. Proposed/Approved Work Plan Modifications**

None

**TABLE 20-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING JULY/AUGUST 2007**

**SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Depth (feet)</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Monthly Water Column Sampling	Location-4A	7/26/07	NA	Water	NEA	PCB, TSS	8/10/07
Silver Lake Glycol Sampling	F3317-1	8/14/07	NA	Glycol	SGS	PCB	8/29/07
Silver Lake Pilot Study Core Sampling	SL-A-122706-0-2	12/27/06	0-2	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-A-122706-2-4	12/27/06	2-4	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-A-122706-4-6	12/27/06	4-6	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-A-122706-TOP	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-B-122706-0-2	12/27/06	0-2	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-B-122706-2-4	12/27/06	2-4	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-B-122706-4-6	12/27/06	4-6	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-B-122706-TOP	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-C-122706-0-2	12/27/06	0-2	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-C-122706-4-6	12/27/06	4-6	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-C-122706-REM	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-C-122706-TOP	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-D-122706-0-2	12/27/06	0-2	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-D-122706-2-4	12/27/06	2-4	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-D-122706-4-6	12/27/06	4-6	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-D-122706-TOP	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-E-122706-0-2	12/27/06	0-2	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-E-122706-2-4	12/27/06	2-4	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-E-122706-4-6	12/27/06	4-6	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-E-122706-TOP	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-F-122706-0-2	12/27/06	0-2	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-F-122706-2-4	12/27/06	2-4	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-F-122706-4-6	12/27/06	4-6	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-F-122706-REM	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-F-122706-TOP	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-G-122706-0-2	12/27/06	0-2	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-G-122706-2-4	12/27/06	2-4	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-G-122706-REM	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-G-122706-TOP	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-H-122706-0-2	12/27/06	0-2	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-H-122706-2-4	12/27/06	2-4	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-H-122706-4-6	12/27/06	4-6	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-H-122706-REM	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-H-122706-TOP	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07

**TABLE 20-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING JULY/AUGUST 2007**

**SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Depth (feet)</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Silver Lake Pilot Study Core Sampling	SL-I-122706-2-4	12/27/06	2-4	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-I-122706-4-6	12/27/06	4-6	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-I-122706-TOP	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-J-122706-0-2	12/27/06	0-2	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-J-122706-2-4	12/27/06	2-4	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-J-122706-4-6	12/27/06	4-6	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-J-122706-TOP	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-K-122706-0-2	12/27/06	0-2	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-K-122706-2-4	12/27/06	2-4	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-K-122706-4-6	12/27/06	4-6	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-K-122706-REM	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-K-122706-TOP	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-L-122706-0-2	12/27/06	0-2	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-L-122706-2-4	12/27/06	2-4	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-L-122706-4-6	12/27/06	4-6	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-L-122706-REM	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-L-122706-TOP	12/27/06	NA	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-M-122706-0-2	12/27/06	0-2	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-M-122706-2-4	12/27/06	2-4	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07
Silver Lake Pilot Study Core Sampling	SL-M-122706-4-6	12/27/06	4-6	Sediment	GeoTechnics, Inc.	Grain Size	7/13/07



**TABLE 20-2  
SAMPLE DATA RECEIVED DURING AUGUST 2007**

**MONTHLY WATER COLUMN SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Sample ID</b>	<b>Location</b>	<b>Date Collected</b>	<b>Aroclor-1016, -1232, -1242</b>	<b>Aroclor 1221</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>	<b>Total PCBs</b>	<b>TSS</b>
LOCATION-4A	Silver Lake Outlet	7/26/2007	ND(0.0000220)	0.000340 PB	0.000160 PE	0.0000470 AF	0.0000290 AG	0.000576	2.10

Notes:

1. Sample was collected by ARCADIS BBL, and submitted to Northeast Analytical, Inc. for analysis of unfiltered PCBs and total suspended solids (TSS).
2. Sampling methods involved the collection of single grab 50 percent of the total river width, and 50 percent of the total river depth.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

Data Qualifiers:

AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

PB - Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration.

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

**TABLE 20-3  
WASH SIEVE ANALYSIS DATA**

**SILVER LAKE PILOT STUDY  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sample ID: Date Collected: Sample Depth(Inches):		SL-A-122706 12/27/2006 TOP		SL-A-122706 12/27/2006 0 - 2		SL-A-122706 12/27/2006 2 - 4		SL-A-122706 12/27/2006 4 - 6		SL-B-122706 12/27/2006 TOP	
Sieve Size	Sieve Opening (mm)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)
12"	300	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
6"	150	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3"	75	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
2"	50	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1 1/2"	37.5	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1"	25.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3/4"	19.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1/2"	12.50	0.00	100.00	4.51	97.15	5.25	97.00	0.00	100.00	0.00	100.00
3/8"	9.50	0.00	100.00	5.59	93.62	16.75	87.45	0.00	100.00	0.00	100.00
#4	4.75	0.35	99.68	14.92	84.20	27.13	71.97	1.93	98.87	0.00	100.00
#10	2.00	0.15	99.55	13.69	75.56	23.00	58.85	3.07	97.08	0.26	99.83
#20	0.850	0.49	99.11	11.94	68.02	19.81	47.55	7.61	92.65	0.57	99.47
#40	0.425	1.12	98.10	15.76	58.06	15.39	38.77	24.77	78.20	1.34	98.61
#60	0.250	1.26	96.96	15.69	48.16	12.89	31.41	34.33	58.18	3.52	96.35
#140	0.106	36.89	63.66	43.22	20.86	30.95	13.76	79.50	11.81	46.21	66.71
#200	0.075	27.25	39.06	12.83	12.76	10.09	8.00	11.44	5.14	33.47	45.25

**TABLE 20-3  
WASH SIEVE ANALYSIS DATA**

**SILVER LAKE PILOT STUDY  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sample ID: Date Collected: Sample Depth(Inches):		SL-B-122706 12/27/2006 0 - 2		SL-B-122706 12/27/2006 2 - 4		SL-B-122706 12/27/2006 4 - 6		SL-C-122706 12/27/2006 TOP		SL-C-122706 12/27/2006 0 - 2	
Sieve Size	Sieve Opening (mm)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)
12"	300	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
6"	150	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3"	75	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
2"	50	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1 1/2"	37.5	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1"	25.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3/4"	19.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1/2"	12.50	3.95	97.68	3.62	97.94	0.00	100.00	0.00	100.00	10.95	93.21
3/8"	9.50	6.80	93.69	1.41	97.13	0.00	100.00	0.00	100.00	6.39	89.25
#4	4.75	14.95	84.91	18.32	86.68	0.20	99.81	2.02	98.67	16.42	79.08
#10	2.00	9.01	79.62	12.85	79.35	0.23	99.59	0.50	98.34	9.11	73.43
#20	0.850	8.79	74.45	12.40	72.28	1.63	98.05	0.49	98.02	9.01	67.85
#40	0.425	9.99	68.59	16.06	63.12	8.32	90.18	1.48	97.05	14.10	59.11
#60	0.250	12.83	61.05	16.29	53.83	18.33	72.84	7.40	92.19	14.02	50.42
#140	0.106	51.15	31.01	49.72	25.48	52.17	23.49	64.83	49.59	43.99	23.16
#200	0.075	22.08	18.05	17.35	15.58	12.65	11.52	36.19	25.81	15.60	13.49

**TABLE 20-3  
WASH SIEVE ANALYSIS DATA**

**SILVER LAKE PILOT STUDY  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sample ID: Date Collected: Sample Depth(Inches):		SL-C-122706 12/27/2006 4 - 6		SL-C-122706 12/27/2006 REM		SL-D-122706 12/27/2006 TOP		SL-D-122706 12/27/2006 0 - 2		SL-D-122706 12/27/2006 2 - 4	
Sieve Size	Sieve Opening (mm)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)
12"	300	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
6"	150	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3"	75	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
2"	50	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1 1/2"	37.5	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1"	25.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3/4"	19.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1/2"	12.50	3.83	97.31	0.00	100.00	5.93	96.05	0.00	100.00	0.00	100.00
3/8"	9.50	6.60	92.69	4.54	95.96	6.07	92.01	8.40	93.95	4.00	97.01
#4	4.75	7.24	87.61	12.88	84.51	6.19	87.88	4.41	90.78	3.89	94.10
#10	2.00	3.37	85.24	4.63	80.40	5.74	84.06	7.14	85.64	5.24	90.19
#20	0.850	5.73	81.23	4.19	76.67	5.08	80.68	7.79	80.03	8.80	83.61
#40	0.425	11.33	73.28	6.01	71.33	8.99	74.69	10.89	72.18	10.93	75.44
#60	0.250	17.18	61.23	10.76	61.77	12.10	66.63	13.19	62.69	12.45	66.14
#140	0.106	50.29	25.96	40.42	25.83	49.73	33.50	54.85	23.19	47.73	30.47
#200	0.075	16.56	14.35	13.10	14.19	21.15	19.41	16.30	11.46	19.72	15.74

**TABLE 20-3  
WASH SIEVE ANALYSIS DATA**

**SILVER LAKE PILOT STUDY  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sample ID: Date Collected: Sample Depth(Inches):		SL-D-122706 12/27/2006 4 - 6		SL-E-122706 12/27/2006 TOP		SL-E-122706 12/27/2006 0 - 2		SL-E-122706 12/27/2006 2 - 4		SL-E-122706 12/27/2006 4 - 6	
Sieve Size	Sieve Opening (mm)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)
12"	300	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
6"	150	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3"	75	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
2"	50	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1 1/2"	37.5	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1"	25.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3/4"	19.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1/2"	12.50	0.00	100.00	3.71	97.64	0.00	100.00	0.00	100.00	4.99	97.12
3/8"	9.50	3.89	97.30	3.34	95.52	10.48	92.65	4.35	96.62	4.51	94.53
#4	4.75	7.72	91.94	13.76	86.76	8.33	86.81	4.85	92.85	9.79	88.88
#10	2.00	6.71	87.28	12.50	78.81	7.00	81.90	5.26	88.77	10.20	83.00
#20	0.850	6.27	82.92	12.29	70.99	6.65	77.24	5.11	84.80	10.26	77.09
#40	0.425	9.69	76.19	19.19	58.79	11.00	69.53	10.87	76.36	13.09	69.55
#60	0.250	13.54	66.78	16.90	48.04	11.88	61.19	13.94	65.53	14.92	60.95
#140	0.106	48.74	32.93	35.99	25.14	32.31	38.54	32.67	40.15	38.50	38.76
#200	0.075	20.83	18.46	10.59	18.41	11.52	30.46	10.00	32.38	14.50	30.41

**TABLE 20-3  
WASH SIEVE ANALYSIS DATA**

**SILVER LAKE PILOT STUDY  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sample ID: Date Collected: Sample Depth(Inches):		SL-F-122706 12/27/2006 TOP		SL-F-122706 12/27/2006 0 - 2		SL-F-122706 12/27/2006 2 - 4		SL-F-122706 12/27/2006 4 - 6		SL-F-122706 12/27/2006 REM	
Sieve Size	Sieve Opening (mm)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)
12"	300	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
6"	150	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3"	75	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
2"	50	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1 1/2"	37.5	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1"	25.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3/4"	19.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1/2"	12.50	0.00	100.00	0.00	100.00	11.07	88.58	5.31	96.37	0.00	100.00
3/8"	9.50	0.00	100.00	2.15	98.29	0.00	88.58	8.60	90.49	2.89	94.84
#4	4.75	1.67	98.73	8.77	91.33	10.73	77.51	15.31	80.03	3.73	88.18
#10	2.00	3.11	96.38	9.69	83.64	10.48	66.69	18.71	67.24	4.32	80.47
#20	0.850	4.45	93.00	8.84	76.62	8.01	58.43	14.89	57.06	4.15	73.06
#40	0.425	11.01	84.66	8.97	69.50	9.18	48.96	12.72	48.37	5.77	62.76
#60	0.250	16.80	71.93	11.46	60.40	9.52	39.14	12.23	40.01	6.52	51.12
#140	0.106	48.27	35.34	45.65	24.16	23.18	15.22	32.93	17.50	16.25	22.10
#200	0.075	17.76	21.88	13.42	13.50	6.26	8.76	10.78	10.13	5.22	12.78

**TABLE 20-3  
WASH SIEVE ANALYSIS DATA**

**SILVER LAKE PILOT STUDY  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sample ID: Date Collected: Sample Depth(Inches):		SL-G-122706 12/27/2006 TOP		SL-G-122706 12/27/2006 0 - 2		SL-G-122706 12/27/2006 2 - 4		SL-G-122706 12/27/2006 REM		SL-H-122706 12/27/2006 TOP	
Sieve Size	Sieve Opening (mm)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)
12"	300	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
6"	150	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3"	75	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
2"	50	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1 1/2"	37.5	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1"	25.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3/4"	19.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1/2"	12.50	0.00	100.00	5.81	94.45	0.00	100.00	0.00	100.00	0.00	100.00
3/8"	9.50	0.00	100.00	2.13	92.42	10.06	91.15	0.00	100.00	0.50	99.54
#4	4.75	0.51	99.61	6.47	86.24	7.05	84.95	0.00	100.00	0.41	99.17
#10	2.00	0.15	99.49	9.27	77.39	11.90	74.49	0.00	100.00	3.97	95.55
#20	0.850	0.52	99.09	7.30	70.42	12.31	63.67	0.78	99.42	1.23	94.43
#40	0.425	0.99	98.33	6.40	64.32	10.70	54.26	5.40	95.42	2.60	92.05
#60	0.250	3.00	96.02	6.08	58.51	9.77	45.66	15.60	83.87	5.63	86.92
#140	0.106	43.48	62.58	30.97	28.95	31.08	18.33	66.31	34.78	37.39	52.80
#200	0.075	30.52	39.11	12.23	17.27	10.19	9.37	23.26	17.56	21.21	33.45

**TABLE 20-3  
WASH SIEVE ANALYSIS DATA**

**SILVER LAKE PILOT STUDY  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sample ID: Date Collected: Sample Depth(Inches):		SL-H-122706 12/27/2006 0 - 2		SL-H-122706 12/27/2006 2 - 4		SL-H-122706 12/27/2006 4 - 6		SL-H-122706 12/27/2006 REM		SL-I-122706 12/27/2006 TOP	
Sieve Size	Sieve Opening (mm)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)
12"	300	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
6"	150	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3"	75	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
2"	50	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1 1/2"	37.5	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1"	25.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3/4"	19.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1/2"	12.50	0.00	100.00	0.00	100.00	0.00	100.00	4.32	96.99	0.00	100.00
3/8"	9.50	0.00	100.00	0.00	100.00	1.74	98.16	6.64	92.36	4.58	97.56
#4	4.75	1.92	96.29	1.97	98.10	2.10	95.93	12.43	83.69	4.21	95.32
#10	2.00	3.10	90.30	7.23	91.15	3.97	91.72	13.48	74.29	6.16	92.04
#20	0.850	1.32	87.75	5.68	85.68	2.76	88.80	10.35	67.08	8.00	87.79
#40	0.425	1.26	85.32	6.42	79.50	5.00	83.50	12.99	58.02	13.42	80.64
#60	0.250	2.65	80.20	7.02	72.74	6.32	76.80	12.42	49.36	17.74	71.20
#140	0.106	21.77	38.15	40.57	33.70	38.05	36.46	36.50	23.91	55.72	41.55
#200	0.075	10.16	18.52	16.66	17.66	16.21	19.28	13.18	14.72	22.30	29.68



**TABLE 20-3  
WASH SIEVE ANALYSIS DATA**

**SILVER LAKE PILOT STUDY  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sample ID: Date Collected: Sample Depth(Inches):		SL-I-122706 12/27/2006 2 - 4		SL-I-122706 12/27/2006 4 - 6		SL-J-122706 12/27/2006 TOP		SL-J-122706 12/27/2006 0 - 2		SL-J-122706 12/27/2006 2 - 4	
Sieve Size	Sieve Opening (mm)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)
12"	300	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
6"	150	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3"	75	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
2"	50	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1 1/2"	37.5	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1"	25.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3/4"	19.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1/2"	12.50	0.00	100.00	4.89	96.31	0.00	100.00	5.53	96.53	0.00	100.00
3/8"	9.50	0.00	100.00	5.91	91.84	0.00	100.00	17.89	85.31	3.12	97.28
#4	4.75	8.18	95.03	1.74	90.53	0.29	99.61	17.71	74.20	9.15	89.32
#10	2.00	9.05	89.53	7.21	85.08	0.15	99.41	18.69	62.48	15.18	76.10
#20	0.850	9.35	83.85	6.86	79.90	0.37	98.91	14.34	53.49	15.21	62.86
#40	0.425	12.73	76.11	9.19	72.95	5.31	91.75	12.69	45.53	12.64	51.86
#60	0.250	14.09	67.55	10.06	65.35	11.13	76.75	10.92	38.68	12.16	41.27
#140	0.106	35.59	45.92	26.78	45.12	33.43	31.70	34.79	16.86	29.55	15.55
#200	0.075	14.40	37.17	11.19	36.67	8.89	19.72	10.61	10.20	7.69	8.85

**TABLE 20-3  
WASH SIEVE ANALYSIS DATA**

**SILVER LAKE PILOT STUDY  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sample ID: Date Collected: Sample Depth(Inches):		SL-J-122706 12/27/2006 4 - 6		SL-K-122706 12/27/2006 TOP		SL-K-122706 12/27/2006 0 - 2		SL-K-122706 12/27/2006 2 - 4		SL-K-122706 12/27/2006 4 - 6	
Sieve Size	Sieve Opening (mm)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)
12"	300	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
6"	150	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3"	75	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
2"	50	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1 1/2"	37.5	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1"	25.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3/4"	19.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1/2"	12.50	5.90	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3/8"	9.50	3.77	96.88	0.00	100.00	2.96	98.02	2.56	97.57	2.96	97.26
#4	4.75	9.51	90.85	0.59	99.61	7.29	93.14	3.99	93.79	7.43	90.38
#10	2.00	7.87	84.82	1.86	98.39	8.15	87.68	4.22	89.79	4.59	86.13
#20	0.850	16.39	84.79	3.95	95.79	7.55	82.63	3.69	86.29	4.41	82.05
#40	0.425	25.61	87.36	7.07	91.13	10.58	75.55	6.55	80.09	8.87	73.84
#60	0.250	18.66	87.84	12.49	82.91	10.69	68.40	9.96	70.64	13.17	61.65
#140	0.106	26.75	70.45	56.16	45.95	51.26	34.09	40.94	31.84	35.62	28.68
#200	0.075	6.91	92.31	26.62	28.43	21.12	19.95	15.25	17.38	13.03	16.62

**TABLE 20-3  
WASH SIEVE ANALYSIS DATA**

**SILVER LAKE PILOT STUDY  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sample ID: Date Collected: Sample Depth(Inches):		SL-K-122706 12/27/2006 REM		SL-L-122706 12/27/2006 TOP		SL-L-122706 12/27/2006 0 - 2		SL-L-122706 12/27/2006 2 - 4		SL-L-122706 12/27/2006 4 - 6	
Sieve Size	Sieve Opening (mm)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)
12"	300	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
6"	150	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3"	75	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
2"	50	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1 1/2"	37.5	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1"	25.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3/4"	19.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1/2"	12.50	0.00	100.00	0.00	100.00	0.00	100.00	6.32	95.18	0.00	100.00
3/8"	9.50	0.00	100.00	1.92	98.79	1.50	98.92	17.38	81.93	2.68	98.31
#4	4.75	5.26	95.81	2.83	97.00	9.39	92.17	16.69	69.20	4.73	95.32
#10	2.00	5.58	91.36	2.45	95.45	11.12	84.17	14.00	58.53	7.35	90.67
#20	0.850	7.65	85.26	3.29	93.37	8.33	78.18	9.18	51.53	8.55	85.27
#40	0.425	15.75	72.71	9.30	87.49	11.17	70.14	11.40	42.83	13.20	76.92
#60	0.250	17.56	58.72	14.49	78.34	12.71	61.00	11.83	33.81	16.60	66.43
#140	0.106	40.53	26.41	60.83	39.89	51.05	24.28	26.99	13.23	61.29	27.69
#200	0.075	12.66	16.32	24.30	24.53	16.04	12.75	7.85	7.24	20.21	14.91

**TABLE 20-3  
WASH SIEVE ANALYSIS DATA**

**SILVER LAKE PILOT STUDY  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sample ID: Date Collected: Sample Depth(Inches):		SL-L-122706 12/27/2006 REM		SL-M-122706 12/27/2006 0 - 2		SL-M-122706 12/27/2006 2 - 4		SL-M-122706 12/27/2006 4 - 6	
Sieve Size	Sieve Opening (mm)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)	Wgt. Of Soil Retained (gm)	Accumulated Percent Finer (%)
12"	300	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
6"	150	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3"	75	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
2"	50	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1 1/2"	37.5	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1"	25.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
3/4"	19.0	0.00	100.00	0.00	100.00	0.00	100.00	0.00	100.00
1/2"	12.50	0.00	100.00	3.78	97.10	2.74	97.67	0.00	100.00
3/8"	9.50	1.60	98.03	0.77	96.51	4.83	93.57	0.00	100.00
#4	4.75	1.28	96.45	4.89	92.77	13.46	82.13	4.23	96.76
#10	2.00	2.46	93.42	6.08	88.11	13.97	70.26	11.33	88.08
#20	0.850	3.41	89.22	7.29	82.52	12.07	60.00	11.30	79.42
#40	0.425	6.53	81.17	15.18	70.89	10.56	51.03	8.55	72.87
#60	0.250	10.03	68.81	17.41	57.55	11.45	41.30	13.59	62.46
#140	0.106	29.89	31.97	49.09	19.94	29.69	16.07	46.53	26.81
#200	0.075	10.83	18.62	12.69	10.21	8.33	8.99	15.58	14.88

Note:

1. Samples were collected by ARCADIS BBL, and submitted to GeoTechnics, Inc. for Grain size analysis.

**TABLE 20-4  
PCB DATA RECEIVED DURING AUGUST 2007**

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

<b>Sample ID</b>	<b>Date Collected</b>	<b>Aroclor-1016</b>	<b>Aroclor-1221</b>	<b>Aroclor-1232</b>	<b>Aroclor-1242</b>	<b>Aroclor-1248</b>	<b>Aroclor-1254</b>	<b>Aroclor-1260</b>	<b>Total PCBs</b>
F3317-1	8/14/2007	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)

Notes:

1. Sample was collected by Veolia ES Technical Solutions, L.L.C. and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

**ITEM 21  
GROUNDWATER MANAGEMENT AREAS  
PLANT SITE 1 (GMA 1)  
(GEC310)  
AUGUST 2007**

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

**a. Activities Undertaken/Completed**

**General:**

- Conducted routine groundwater elevation and NAPL monitoring activities.
- Conducted drum sampling at Building 78 of purge water from monitoring wells within GMA 1, as identified in Table 21-1.

**East Street Area 1-North and South:**

- Continued automated groundwater and NAPL pumping at North Side and South Side Caissons. Approximately 1.2 gallons of LNAPL were recovered from the North Side Caisson in August. No LNAPL was recovered from the South Side Caisson in August.
- Continued routine well monitoring and manual NAPL removal activities. Approximately 0.006 liter (0.002 gallon) of LNAPL was removed from this area during August.

**East Street Area 2-South:**

- Continued automated groundwater and LNAPL removal activities. A total of approximately 3,308,884 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 460 gallons of LNAPL were removed from pumping systems 64R, 64V, GMA1-17W, RW-1(S), RW-1(X), 64X, and 64S Caisson.
- Continued automated DNAPL removal activities. Approximately 28 gallons of DNAPL were removed from pumping system RW-3(X) during August.
- Continued routine well monitoring and manual NAPL removal activities. Approximately 13.006 liters (3.432 gallons) of LNAPL were removed from wells in this area during August. Approximately 2.678 liters (0.707 gallon) of DNAPL were removed from wells in this area during August.
- Treated/discharged 2,753,710 gallons of water through 64G Groundwater Treatment Facility.
- Conducted wipe sampling of equipment used for installation of recovery well RW-4 and sampling of tool decontamination water from installation of that recovery well, as identified in Table 21-1.

**ITEM 21  
(cont'd)  
GROUNDWATER MANAGEMENT AREAS  
PLANT SITE 1 (GMA 1)  
(GEC310)  
AUGUST 2007**

**a. Activities Undertaken/Completed (cont'd)**

**East Street Area 2-North:**

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

**20s, 30s, and 40s Complexes:**

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

**Lyman Street Area:**

- Continued automated groundwater and NAPL removal activities. A total of approximately 100,728 gallons of groundwater was recovered from pumping systems RW-1R, RW-2, and RW-3. No LNAPL was removed from the automated recovery systems during August.
- Continued routine well monitoring and NAPL removal activities. Approximately 0.210 liter (0.055 gallon) of LNAPL was removed from wells in this area during August. Approximately 2.413 liters (0.637 gallon) of DNAPL were removed from wells in this area during August.
- Completed modifications to recovery systems RW-1R, RW-2, and RW-3 as part of remediation activities at the Lyman Street Area and re-activated the systems utilizing the existing piping network.
- Decommissioned former recovery well RW-1.

**Newell Street Area II:**

- Continued automated DNAPL removal activities. A total of approximately 67.5 gallons of DNAPL was removed by System 2 in August.
- Continued routine well monitoring and NAPL removal activities. No LNAPL was recovered from this area during August. Approximately 0.845 liter (0.223 gallon) of DNAPL was recovered from this area during August.

**Silver Lake Area:**

Continued routine monitoring of lake level.

**ITEM 21**  
**(cont'd)**  
**GROUNDWATER MANAGEMENT AREAS**  
**PLANT SITE 1 (GMA 1)**  
**(GEC310)**  
**AUGUST 2007**

**b. Sampling/Test Results Received**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

Submitted NAPL Monitoring Report for Spring 2007 (August 30, 2007).

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

- Continue routine groundwater and NAPL monitoring/recovery activities. New recovery well RW-4 will continue to be monitored on a weekly basis until an automated recovery system is installed in the well. Any recoverable NAPL observed in the well will be manually removed.
- Continue installation of new automated recovery system in well RW-4 in former scrapyard portion of East Street Area 2-South.
- Complete construction of new piping network to the Lyman Street recovery systems.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

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

**f. Proposed/Approved Work Plan Modifications**

None



**TABLE 21-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

**GROUNDWATER MANAGEMENT AREA 1  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Recovery Well RW-4 Wipe Samples	RW-4-W-1	7/30/07	Wipe	SGS	PCB	8/3/07
Recovery Well RW-4 Wipe Samples	RW-4-W-10	7/30/07	Wipe	SGS	PCB	8/3/07
Recovery Well RW-4 Wipe Samples	RW-4-W-2	7/30/07	Wipe	SGS	PCB	8/3/07
Recovery Well RW-4 Wipe Samples	RW-4-W-3	7/30/07	Wipe	SGS	PCB	8/3/07
Recovery Well RW-4 Wipe Samples	RW-4-W-4	7/30/07	Wipe	SGS	PCB	8/3/07
Recovery Well RW-4 Wipe Samples	RW-4-W-5	7/30/07	Wipe	SGS	PCB	8/3/07
Recovery Well RW-4 Wipe Samples	RW-4-W-6	7/30/07	Wipe	SGS	PCB	8/3/07
Recovery Well RW-4 Wipe Samples	RW-4-W-7	7/30/07	Wipe	SGS	PCB	8/3/07
Recovery Well RW-4 Wipe Samples	RW-4-W-8	7/30/07	Wipe	SGS	PCB	8/3/07
Recovery Well RW-4 Wipe Samples	RW-4-W-9	7/30/07	Wipe	SGS	PCB	8/3/07
Tool Decon Water from Installation of Well RW-4	B1961-1	8/14/07	Water	SGS	PCB	8/29/07
Water and Solids Sampling from Installation of Well RW-4	RW4-Soil-1	7/30/07	Soil	SGS	PCB, TCLP - Excluding Pest, Herb	8/21/07
Water and Solids Sampling from Installation of Well RW-4	RW4-Water-1	7/30/07	Water	SGS	PCB, VOC, SVOC, Total Metals-RCRA 8	8/21/07
Well Purge Water from GMA-1	C2247-1	8/14/07	Water	SGS	PCB, VOC, SVOC, Total Metals (RCRA 8)	
Wipe Samples for Recovery Well RW-4	RW-4-W-4B	8/14/07	Wipe	SGS	PCB	8/21/07
Wipe Samples for Recovery Well RW-4	RW-4-W-8B	8/14/07	Wipe	SGS	PCB	8/21/07

**TABLE 21-2  
PCB DATA RECEIVED DURING AUGUST 2007**

**RECOVERY WELL RW-4 WIPE SAMPLES  
GROUNDWATER MANAGEMENT AREA 1  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in  $\mu\text{g}/100\text{cm}^2$ )**

<b>Sample ID</b>	<b>Date Collected</b>	<b>Aroclor-1016, -1221, -1232, -1242, -1248</b>	<b>Aroclor-1254</b>	<b>Aroclor-1260</b>	<b>Total PCBs</b>
RW-4-W-1	7/30/2007	ND(1.0)	ND(1.0)	1.2	1.2
RW-4-W-2	7/30/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RW-4-W-3	7/30/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RW-4-W-4	7/30/2007	ND(1.0)	12	ND(1.0)	12
RW-4-W-5	7/30/2007	ND(1.0)	5.2	ND(1.0)	5.2
RW-4-W-6	7/30/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RW-4-W-7	7/30/2007	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RW-4-W-8	7/30/2007	ND(2.0)	120	72	192
RW-4-W-9	7/30/2007	ND(1.0)	2.6	ND(1.0)	2.6
RW-4-W-10	7/30/2007	ND(1.0)	1.4	ND(1.0)	1.4
RW-4-W-4B	8/14/2007	ND(1.0)	20	20	40
RW-4-W-8B	8/14/2007	ND(1.0)	1.2	ND(1.0)	1.2

Notes:

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

**TABLE 21-3  
DATA RECEIVED DURING AUGUST 2007**

**WATER AND SOLIDS SAMPLING FROM INSTALLATION OF WELL RW-4  
GROUNDWATER MANAGEMENT AREA 1  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Parameter</b>	<b>Sample ID: Matrix: Date Collected:</b>	<b>RW4-SOIL-1 Soil 07/30/07</b>	<b>RW4-WATER-1 Water 07/30/07</b>
<b>Volatile Organics</b>			
Chlorobenzene		NA	0.031 J
Chloroform		NA	1.5
Methylene Chloride		NA	0.12 J
Tetrachloroethene		NA	0.091
<b>PCBs</b>			
Aroclor-1254		220	0.088
Total PCBs		220	0.088
<b>Semivolatile Organics</b>			
1,4-Dichlorobenzene		NA	0.0024 J
2,4,5-Trichlorophenol		NA	0.0039 J
2-Methylnaphthalene		NA	0.0032 J
Acenaphthene		NA	0.0020 J
Butylbenzylphthalate		NA	0.0026 J
Di-n-Butylphthalate		NA	0.0017 J
Phenanthrene		NA	0.0022 J
<b>Inorganics</b>			
Arsenic		NA	0.0611
Barium		NA	0.813
Cadmium		NA	0.00675 B
Chromium		NA	0.262
Lead		NA	1.40
Mercury		NA	0.000614
Silver		NA	0.00350 B

Notes:

1. Samples were collected by Veolia ES Technical Solutions, L.L.C. and submitted to SGS Environmental Services, Inc. for analysis of volatiles, PCBs, semivolatiles, metals and TCLP constituents.
2. Please refer to Table 21-4 for a summary of TCLP constituents.
3. NA - Not Analyzed
4. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
5. Only detected constituents are summarized.
6. Solid matrix sample is presented in dry weight.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)

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

Inorganics

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

**TABLE 21-4  
DATA RECEIVED DURING AUGUST 2007**

**WATER AND SOLIDS SAMPLING FROM INSTALLATION OF WELL RW-4  
GROUNDWATER MANAGEMENT AREA 1  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Parameter</b>	<b>Sample ID: Date Collected:</b>	<b>TCLP Regulatory Limits</b>	<b>RW4-SOIL-1 7/30/2007</b>
<b>Volatile Organics</b>			
1,1-Dichloroethene		0.7	ND(0.010)
1,2-Dichloroethane		0.5	ND(0.010)
2-Butanone		200	ND(0.25)
Benzene		0.5	ND(0.010)
Carbon Tetrachloride		0.5	ND(0.010)
Chlorobenzene		100	0.0024 J
Chloroform		6	ND(0.010)
Tetrachloroethene		0.7	ND(0.010)
Trichloroethene		0.5	ND(0.010)
Vinyl Chloride		0.2	ND(0.010)
<b>Semivolatile Organics</b>			
1,4-Dichlorobenzene		7.5	0.0050 J
2,4,5-Trichlorophenol		400	ND(0.010)
2,4,6-Trichlorophenol		2	ND(0.010)
2,4-Dinitrotoluene		0.13	ND(0.010)
Cresol		200	0.14
Hexachlorobenzene		0.13	ND(0.010)
Hexachlorobutadiene		0.5	ND(0.010)
Hexachloroethane		3	ND(0.010)
Nitrobenzene		2	ND(0.010)
Pentachlorophenol		100	ND(0.050)
Pyridine		5	ND(0.010)
<b>Inorganics</b>			
Arsenic		5	ND(0.200)
Barium		100	0.345 B
Cadmium		1	ND(0.100)
Chromium		5	ND(0.100)
Lead		5	2.81
Mercury		0.2	ND(0.000570)
Selenium		1	ND(0.200)
Silver		5	0.100

Notes:

1. Sample was collected by Veolia ES Technical Solutions, L.L.C. and submitted to SGS Environmental Services, Inc. for analysis of PCBs and TCLP constituents.
2. Please refer to Table 21-3 for a summary of PCBs.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

Data Qualifiers:

Organics (volatiles, semivolatiles)

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

Inorganics

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

**TABLE 21-5  
PCB DATA RECEIVED DURING AUGUST 2007**

**TOOL DECON WATER FROM INSTALLATION OF WELL RW-4  
GROUNDWATER MANAGEMENT AREA 1  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Sample ID</b>	<b>Date Collected</b>	<b>Aroclor-1016, -1221, -1232, -1242, -1248</b>	<b>Aroclor-1254</b>	<b>Aroclor-1260</b>	<b>Total PCBs</b>
B1961-1	8/14/2007	ND(0.10)	0.088 J	0.055 J	0.143 J

Notes:

1. Sample was collected by Veolia ES Technical Solutions, L.L.C. and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

Data Qualifiers:

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

**TABLE 21-6  
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  
August 2007**

<b>Caisson</b>	<b>Month</b>	<b>Vol. LNAPL Collected (gallon)</b>	<b>Vol. Water Recovered (gallon)</b>	<b>Percent Downtime</b>
Northside	August 2006	0.0	21,700	
	September 2006	0.0	13,000	0.89
	October 2006	0.0	17,000	
	November 2006	1.1	26,700	
	December 2006	0.0	13,700	
	January 2007	0.0	24,800	
	February 2007	0.0	16,000	
	March 2007	0.6	10,400	23.33
	April 2007	0.6	4,775	7.41
	May 2007	0.3	31,002	
	June 2007	0.0	18,792	
	July 2007	0.9	11,800	13.33
August 2007	1.2	12,556		
Southside	August 2006	0.0	84,900	
	September 2006	25.0	59,400	0.89
	October 2006	1.0	55,800	
	November 2006	1.1	92,200	
	December 2006	0.6	64,400	
	January 2007	0.0	87,400	
	February 2007	0.4	57,700	
	March 2007	1.6	50,700	6.67
	April 2007	1.1	52,570	
	May 2007	1.2	62,720	
	June 2007	0.9	53,800	3.57
	July 2007	1.1	35,770	36.67
August 2007	0	39,570	8.82	

Note:

1. New flowmeters were installed at both caissons during April 2007.

**TABLE 21-7**  
**MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL**  
**EAST STREET AREA 1 - NORTH & SOUTH**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**August 2007**

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	August 2007 Removal (liters)
34	8/21/2007	5.94	5.93	0.01	0.006	<b>0.006</b>

**Total Manual LNAPL Removal for August 2007: 0.006 liters**  
**0.002 gallons**

Note:

1. ft BMP - feet Below Measuring Point.

**TABLE 21-8  
ROUTINE WELL MONITORING  
EAST STREET AREA 1 - NORTH & SOUTH  
GROUNDWATER MANAGEMENT AREA 1  
CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
August 2007**

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>GMA 1 - East Street Area 1 - North</b>									
North Caisson	997.84	8/1/2007	17.60	P	< 0.01	---	19.80	0.00	980.24
North Caisson	997.84	8/9/2007	18.55	18.54	0.01	---	19.80	0.00	979.30
North Caisson	997.84	8/14/2007	17.92	P	< 0.01	---	19.80	0.00	979.92
North Caisson	997.84	8/21/2007	17.71	17.70	0.01	---	19.80	0.00	980.14
North Caisson	997.84	8/30/2007	16.78	16.77	0.01	---	19.80	0.00	981.07
<b>GMA 1 - East Street Area 1 - South</b>									
31R	1,000.23	8/21/2007	9.45	---	0.00	---	15.02	0.00	990.78
33	999.50	8/21/2007	6.86	---	0.00	---	21.28	0.00	992.64
34	999.90	8/21/2007	5.94	5.93	0.01	---	21.04	0.00	993.97
72	1000.62	8/21/2007	6.65	---	0.00	---	21.90	0.00	993.97
72R	1000.92	8/21/2007	6.65	---	0.00	---	13.31	0.00	994.27
South Caisson	1001.11	8/1/2007	10.27	10.26	0.01	---	15.00	0.00	990.85
South Caisson	1001.11	8/9/2007	10.21	10.20	0.01	---	15.00	0.00	990.91
South Caisson	1001.11	8/14/2007	11.15	11.14	0.01	---	15.00	0.00	989.97
South Caisson	1001.11	8/21/2007	10.44	P	< 0.01	---	15.00	0.00	990.67
South Caisson	1001.11	8/30/2007	11.20	P	< 0.01	---	15.00	0.00	989.91

**Notes:**

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



**TABLE 21-9  
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  
August 2007**

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
17W	October 2006	21		
	November 2006	24		
	December 2006	13		
	January 2007	8		
	February 2007	6		
	March 2007	6		
	April 2007	2		
	May 2007	6		
	June 2007	5		
	July 2007	1		
August 2007	2			
64R	August 2006	25	38,948	
	September 2006	75	4,627	0.89
	October 2006	0	16,844	0.15
	November 2006	13	211,062	
	December 2006	19	85,911	
	January 2007	50	225,994	
	February 2007	6	56,097	
	March 2007	6	110,548	
	April 2007	69	954,730	
	May 2007	419	1,268,754	0.49
	June 2007	194	544,491	
	July 2007	56	75,278	
	August 2007	19	3,083	
64S System	August 2006	238	646,128	
	September 2006	188	393,032	0.89
	October 2006	82	400,898	0.30
	November 2006	75	682,641	3.37
	December 2006	209	638,261	
	January 2007	372	856,752	2.46
	February 2007	376	584,460	10.71
	March 2007	90	699,541	
	April 2007	189	1,020,240	
	May 2007	265	1,615,013	0.74
	June 2007	197	778,200	
	July 2007	158	516,126	5.00
	August 2007	58	351,341	
64V <sup>1</sup>	August 2006	548	1,016,400	
	September 2006	332	794,600	0.89
	October 2006	432	825,400	0.15
	November 2006	855	1,181,500	
	December 2006	493	1,017,800	
	January 2007	680	1,131,400	
	February 2007	365	831,700	
	March 2007	357	981,000	
	April 2007	133	664,100	31.48
	May 2007	1,480	1,325,500	0.49
	June 2007	303	965,600	
	July 2007	423	720,200	
	August 2007	274	695,600	

**TABLE 21-9  
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  
August 2007**

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
64X	August 2006	127	504,000	
	September 2006	24	403,200	0.89
	October 2006	68	403,200	0.15
	November 2006	14	489,600	
	December 2006	15	446,400	
	January 2007	25	475,200	
	February 2007	3	403,200	
	March 2007	23	432,000	
	April 2007	12	388,800	12.35
	May 2007	7	489,600	0.49
	June 2007	0	403,200	
	July 2007	4	432,000	
	August 2007	83	489,600	
RW-2(X)	August 2006	0	1,146,830	
	September 2006	1	546,233	0.89
	October 2006	0	574,780	0.15
	November 2006	0	742,383	
	December 2006	0	681,784	
	January 2007	0	741,727	
	February 2007	0	613,664	
	March 2007	0	661,630	
	April 2007	0	630,962	
	May 2007	0	759,917	0.49
	June 2007	0	623,287	
	July 2007	0	621,704	
	August 2007	0	748,698	
RW-1(S) <sup>2</sup>	August 2006	17	741,315	
	September 2006	12	554,826	0.89
	October 2006	31	583,596	0.00
	November 2006	85	877,320	5.88
	December 2006	43	706,488	
	January 2007	24	814,809	
	February 2007	22	129,672	
	March 2007	22	749,862	
	April 2007	22	907,766	
	May 2007	22	1,266,422	0.49
	June 2007	28	922,524	
	July 2007	14	728,718	5.00
	August 2007	24	533,804	2.94
RW-1(X)	August 2006	0	471,215	
	September 2006	1	374,761	0.89
	October 2006	0	397,949	0.15
	November 2006	2	545,763	
	December 2006	0	435,048	
	January 2007	0	531,367	
	February 2007	0	385,165	
	March 2007	0	456,714	
	April 2007	6	485,631	
	May 2007	0	525,891	3.43
	June 2007	0	432,622	
	July 2007	0	288,576	
	August 2007	0	486,758	

**TABLE 21-9**  
**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**  
**August 2007**

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
RW-3(X)	August 2006	37		
	September 2006	26		
	October 2006	22		
	November 2006	32		5.88
	December 2006	18		
	January 2007	60		6.06
	February 2007	32		10.71
	March 2007	30		
	April 2007	13		
	May 2007	30		
	June 2007	30		
	July 2007	25		
	August 2007	28		8.82
	<b>Summary of Total Automated Removal</b>			
<b>Water:</b>		<b>3,308,884</b>	<b>Gallons</b>	
<b>LNAPL:</b>		<b>460</b>	<b>Gallons</b>	
<b>DNAPL:</b>		<b>28</b>	<b>Gallons</b>	

Notes:

1. The flow meter at recovery well 64V was reset in December 2004.
2. The flow meter at recovery well RW-1(S) was reset in January 2007.
3. The flow meters at recovery wells RW-1(X), RW-2(X), 64X(W), and 64R were reset in March 2006.

**TABLE 21-10**  
**WELL MONITORING AND RECOVERY OF LNAPL**  
**EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**August 2007**

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	August 2007 Removal (liters)
<b>East Street Area 2 - South</b>						
14	8/20/2007	18.63	18.50	0.13	0.08	0.08
25R	8/20/2007	24.10	21.40	2.70	1.666	1.67
48	8/20/2007	17.22	16.40	0.82	0.506	0.51
55	8/20/2007	18.15	17.03	1.12	0.691	0.69
95-04R	8/20/2007	15.80	14.70	1.10	2.719	2.72
GMA1-14	8/15/2007	19.92	19.90	0.02	0.012	0.01
GMA1-15	8/1/2007	16.30	15.80	0.50	0.308	2.229
	8/8/2007	16.75	15.85	0.90	0.555	
	8/15/2007	16.50	15.90	0.60	0.378	
	8/20/2007	16.45	16.00	0.45	0.278	
	8/29/2007	17.25	16.10	1.15	0.709	
GMA1-16	8/1/2007	14.00	13.70	0.30	0.185	0.49
	8/8/2007	13.80	13.65	0.15	0.093	
	8/15/2007	13.88	13.85	0.03	0.019	
	8/20/2007	14.08	13.92	0.16	0.099	
	8/29/2007	14.20	14.04	0.16	0.099	
GMA1-19	8/1/2007	12.90	11.53	1.37	0.845	4.61
	8/8/2007	12.40	11.61	0.79	0.487	
	8/15/2007	12.04	11.71	0.33	0.204	
	8/20/2007	16.30	11.80	4.50	2.776	
	8/29/2007	12.43	11.95	0.48	0.296	

**Total LNAPL Removal East Street Area 2 - South for August 2007: 13.006 liters**  
**3.432 gallons**

**Total LNAPL Removal for August 2007: 13.006 liters**  
**3.432 gallons**

Note:

1. ft BMP - feet Below Measuring Point.

**TABLE 21-11**  
**WELL MONITORING AND RECOVERY OF DNAPL**  
**EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**August 2007**

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	August 2007 Removal (liters)
E2SC-03I	8/21/2007	10.40	37.90	4.34	2.678	2.678

**Total DNAPL Removal East Street Area 2 - South for August 2007: 2.678 liters**  
**0.707 gallons**

**Total DNAPL Removal for August 2007: 2.678 liters**  
**0.707 gallons**

Note:

1. ft BMP - feet Below Measuring Point

**TABLE 21-12  
64G TREATMENT PLANT DISCHARGE DATA  
GROUNDWATER MANAGEMENT AREA 1  
CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
August 2007**

<b>Date</b>	<b>Housatonic River Discharge (gallons)</b>	<b>Recharge Pond Discharge (gallons)</b>	<b>Total Discharge (gallons)</b>
August 2006	3,542,620	322,375	3,864,995
September 2006	2,938,190	327,432	3,265,622
October 2006	3,358,570	240,091	3,598,661
November 2006	4,003,730	173,630	4,177,360
December 2006	3,733,070	192,539	3,925,609
January 2007	4,323,220	169,346	4,492,566
February 2007	3,151,020	156,954	3,307,974
March 2007	3,975,040	51,863	4,026,903
April 2007	5,902,880	81,907	5,984,787
May 2007	5,734,160	261,734	5,995,894
June 2007	4,330,740	300,469	4,631,209
July 2007	2,951,980	298,158	3,250,138
August 2007	2,455,420	298,290	2,753,710

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 21-13  
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  
August 2007

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	
East Street Area 2 - South										
13	990.88	8/20/2007	18.49	---	0.00	---	22.51	0.00	972.39	
14	991.61	8/20/2007	18.63	18.50	0.13	---	25.54	0.00	973.10	
19	983.59	8/1/2007	11.64	---	0.00	---	17.70	0.00	971.95	
19	983.59	8/8/2007	11.60	---	0.00	---	17.68	0.00	971.99	
19	983.59	8/15/2007	11.70	---	0.00	---	17.68	0.00	971.89	
19	983.59	8/20/2007	11.50	---	0.00	---	17.68	0.00	972.09	
19	983.59	8/29/2007	11.90	---	0.00	---	17.68	0.00	971.69	
25R	998.31	8/20/2007	24.10	21.40	2.70	---	30.70	0.00	976.72	
26RR	1,000.58	8/20/2007	22.85	22.80	0.05	---	28.48	0.00	977.78	
40R	991.60	8/20/2007	Dry at 13.08 feet				---	13.08	0.00	NA
48	992.39	8/20/2007	17.22	16.40	0.82	---	22.50	0.00	975.93	
49R	988.71	8/20/2007	16.18	---	0.00	---	24.88	0.00	972.53	
49RR	989.80	8/20/2007	17.20	---	0.00	---	23.02	0.00	972.60	
55	989.45	8/20/2007	18.15	17.03	1.12	---	30.03	0.00	972.34	
64R	993.37	8/1/2007	15.91	15.90	0.01	---	20.50	0.00	977.47	
64R	993.37	8/9/2007	16.11	16.10	0.01	---	20.50	0.00	977.27	
64R	993.37	8/14/2007	16.10	P	< 0.01	---	20.50	0.00	977.27	
64R	993.37	8/21/2007	16.34	16.33	0.01	---	20.50	0.00	977.04	
64R	993.37	8/30/2007	16.61	P	< 0.01	---	20.50	0.00	976.76	
64S	984.48	8/1/2007	19.17	P	< 0.01	---	28.70	0.00	965.31	
64S	984.48	8/9/2007	19.20	---	0.00	P	28.70	< 0.01	965.28	
64S	984.48	8/14/2007	19.21	---	0.00	P	28.70	< 0.01	965.27	
64S	984.48	8/21/2007	19.12	---	0.00	P	28.70	< 0.01	965.36	
64S	984.48	8/30/2007	19.11	---	0.00	P	28.70	< 0.01	965.37	
64S-Caisson	NA	8/1/2007	10.80	10.74	0.06	---	14.55	0.00	NA	
64S-Caisson	NA	8/9/2007	10.70	10.68	0.02	---	14.55	0.00	NA	
64S-Caisson	NA	8/14/2007	10.70	10.68	0.02	---	14.55	0.00	NA	
64S-Caisson	NA	8/21/2007	10.70	10.69	0.01	---	14.55	0.00	NA	
64S-Caisson	NA	8/30/2007	10.88	10.73	0.15	---	14.55	0.00	NA	
64V	987.29	8/1/2007	18.60	17.80	0.80	P	29.60	< 0.01	969.43	
64V	987.29	8/9/2007	19.40	18.70	0.70	P	29.60	< 0.01	968.54	
64V	987.29	8/14/2007	20.00	19.20	0.80	P	29.60	< 0.01	968.03	
64V	987.29	8/21/2007	18.20	18.09	0.11	P	29.60	< 0.01	969.19	
64V	987.29	8/30/2007	18.60	18.00	0.60	---	29.60	0.00	969.25	
64X(N)	984.83	8/1/2007	12.65	12.64	0.01	---	15.85	0.00	972.19	
64X(N)	984.83	8/9/2007	12.78	12.77	0.01	---	15.85	0.00	972.06	
64X(N)	984.83	8/14/2007	12.81	12.80	0.01	---	15.85	0.00	972.03	
64X(N)	984.83	8/21/2007	12.97	12.96	0.01	---	15.85	0.00	971.87	
64X(N)	984.83	8/30/2007	13.10	13.09	0.01	---	15.85	0.00	971.74	
64X(S)	981.56	8/1/2007	15.65	15.63	0.02	---	23.82	0.00	965.93	
64X(S)	981.56	8/9/2007	15.83	15.80	0.03	---	23.82	0.00	965.76	
64X(S)	981.56	8/14/2007	15.92	15.90	0.02	---	23.82	0.00	965.66	
64X(S)	981.56	8/21/2007	16.09	16.07	0.02	---	23.82	0.00	965.49	
64X(S)	981.56	8/30/2007	16.30	16.21	0.09	---	23.82	0.00	965.34	
64X(W)	984.87	8/1/2007	18.80	18.79	0.01	---	24.35	0.00	966.08	
64X(W)	984.87	8/9/2007	19.00	18.98	0.02	---	24.35	0.00	965.89	
64X(W)	984.87	8/14/2007	19.11	19.10	0.01	---	24.35	0.00	965.77	
64X(W)	984.87	8/21/2007	19.30	19.27	0.03	---	24.35	0.00	965.60	
64X(W)	984.87	8/30/2007	19.55	19.47	0.08	---	24.35	0.00	965.39	
95-01	983.77	8/20/2007	11.10	---	0.00	---	17.20	0.00	972.67	
95-04R	988.36	8/20/2007	15.80	14.70	1.10	---	21.95	0.00	973.58	
95-07R	994.56	8/20/2007	19.81	---	0.00	---	26.09	0.00	974.75	
3-6C-EB-22	986.94	8/20/2007	14.64	---	0.00	---	20.02	0.00	972.30	
E2SC-03l*	982.12	8/21/2007	10.40	---	0.00	37.90	42.24	4.34	971.72	
E2SC-17*	985.38	8/21/2007	12.50	---	0.00	---	45.75	0.00	972.88	
E2SC-23	992.07	8/20/2007	18.13	---	0.00	---	21.15	0.00	973.94	
E2SC-24	987.90	8/20/2007	16.23	---	0.00	---	21.62	0.00	971.67	
ES2-06	986.00	8/20/2007	13.90	---	0.00	---	34.52	0.00	972.10	

**TABLE 21-13**  
**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**  
**August 2007**

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)
GMA1-14	997.43	8/1/2007	19.40	---	0.00	---	23.02	0.00	978.03
GMA1-14	997.43	8/8/2007	19.71	---	0.00	---	23.02	0.00	977.72
GMA1-14	997.43	8/15/2007	19.92	19.90	0.02	---	23.05	0.00	977.53
GMA1-14	997.43	8/20/2007	20.10	---	0.00	---	23.03	0.00	977.33
GMA1-14	997.43	8/29/2007	20.50	---	0.00	---	23.04	0.00	976.93
GMA1-15	988.59	8/1/2007	16.30	15.80	0.50	---	17.80	0.00	972.76
GMA1-15	988.59	8/8/2007	16.75	15.85	0.90	---	17.80	0.00	972.68
GMA1-15	988.59	8/15/2007	16.50	15.90	0.60	---	17.80	0.00	972.65
GMA1-15	988.59	8/20/2007	16.45	16.00	0.45	---	17.80	0.00	972.56
GMA1-15	988.59	8/29/2007	17.25	16.10	1.15	---	17.83	0.00	972.41
GMA1-16	986.82	8/1/2007	14.00	13.70	0.30	---	19.98	0.00	973.10
GMA1-16	986.82	8/8/2007	13.80	13.65	0.15	---	19.97	0.00	973.16
GMA1-16	986.82	8/15/2007	13.88	13.85	0.03	---	19.97	0.00	972.97
GMA1-16	986.82	8/20/2007	14.08	13.92	0.16	---	19.97	0.00	972.89
GMA1-16	986.82	8/29/2007	14.20	14.04	0.16	---	19.98	0.00	972.77
GMA1-17E	993.03	8/20/2007	16.10	---	0.00	---	17.30	0.00	976.93
GMA1-19	984.28	8/1/2007	12.90	11.53	1.37	---	17.14	0.00	972.65
GMA1-19	984.28	8/8/2007	12.40	11.61	0.79	---	17.13	0.00	972.61
GMA1-19	984.28	8/15/2007	12.04	11.71	0.33	---	17.14	0.00	972.55
GMA1-19	984.28	8/20/2007	16.30	11.80	4.50	---	17.13	0.00	972.17
GMA1-19	984.28	8/29/2007	12.43	11.95	0.48	---	17.14	0.00	972.30
GMA1-20	983.49	8/1/2007	11.20	---	0.00	---	17.30	0.00	972.29
GMA1-20	983.49	8/8/2007	11.20	---	0.00	---	17.30	0.00	972.29
GMA1-20	983.49	8/15/2007	11.25	---	0.00	---	17.30	0.00	972.24
GMA1-20	983.49	8/20/2007	11.38	---	0.00	---	17.30	0.00	972.11
GMA1-20	983.49	8/29/2007	11.45	---	0.00	---	17.30	0.00	972.04
GMA1-21	985.68	8/1/2007	13.31	---	0.00	---	19.42	0.00	972.37
GMA1-21	985.68	8/8/2007	13.30	---	0.00	---	19.38	0.00	972.38
GMA1-21	985.68	8/15/2007	13.40	---	0.00	---	19.45	0.00	972.28
GMA1-21	985.68	8/20/2007	13.50	---	0.00	---	19.44	0.00	972.18
GMA1-21	985.68	8/29/2007	13.53	---	0.00	---	19.44	0.00	972.15
GMA1-22	988.45	8/1/2007	15.60	---	0.00	---	19.24	0.00	972.85
GMA1-22	988.45	8/8/2007	15.65	---	0.00	---	19.24	0.00	972.80
GMA1-22	988.45	8/15/2007	15.70	---	0.00	---	19.22	0.00	972.75
GMA1-22	988.45	8/20/2007	15.81	---	0.00	---	19.24	0.00	972.64
GMA1-22	988.45	8/29/2007	16.00	---	0.00	---	19.24	0.00	972.45
GMA1-23	986.16	8/1/2007	13.40	---	0.00	---	17.30	0.00	972.76
GMA1-23	986.16	8/8/2007	13.45	---	0.00	---	17.30	0.00	972.71
GMA1-23	986.16	8/15/2007	13.46	---	0.00	---	17.30	0.00	972.70
GMA1-23	986.16	8/20/2007	13.60	---	0.00	---	17.30	0.00	972.56
GMA1-23	986.16	8/29/2007	13.70	---	0.00	---	17.30	0.00	972.46
GMA1-24	983.81	8/1/2007	11.52	---	0.00	---	16.02	0.00	972.29
GMA1-24	983.81	8/8/2007	11.50	---	0.00	---	16.02	0.00	972.31
GMA1-24	983.81	8/15/2007	11.62	---	0.00	---	16.03	0.00	972.19
GMA1-24	983.81	8/20/2007	11.70	---	0.00	---	16.02	0.00	972.11
GMA1-24	983.81	8/29/2007	11.80	---	0.00	---	16.03	0.00	972.01
HR-G2-MW-1	982.60	8/20/2007	11.25	---	0.00	---	18.25	0.00	971.35
HR-G2-MW-2	981.39	8/20/2007	9.86	---	0.00	---	17.66	0.00	971.53
HR-G2-MW-3	987.14	8/20/2007	15.45	---	0.00	---	22.00	0.00	971.69
HR-G2-RW-1	976.88	8/20/2007	7.30	---	0.00	---	18.70	0.00	971.43
RW-1(S)	987.23	8/1/2007	14.60	14.58	0.02	---	28.60	0.00	972.65
RW-1(S)	987.23	8/9/2007	17.00	16.40	0.60	---	28.60	0.00	970.79
RW-1(S)	987.23	8/14/2007	18.50	17.90	0.60	---	28.60	0.00	969.29
RW-1(S)	987.23	8/21/2007	18.00	17.91	0.09	---	28.60	0.00	969.31
RW-1(S)	987.23	8/30/2007	18.10	17.30	0.80	---	28.60	0.00	969.87
RW-1(X)	982.68	8/1/2007	13.80	---	0.00	---	20.80	0.00	968.88
RW-1(X)	982.68	8/9/2007	15.11	15.10	0.01	---	20.80	0.00	967.58
RW-1(X)	982.68	8/14/2007	15.21	15.20	0.01	---	20.80	0.00	967.48
RW-1(X)	982.68	8/21/2007	15.30	15.28	0.02	---	20.80	0.00	967.40
RW-1(X)	982.68	8/30/2007	15.37	15.36	0.01	---	20.80	0.00	967.32



**TABLE 21-13  
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  
August 2007**

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	8/1/2007	15.22	15.20	0.02	---	15.30	0.00	970.76	
RW-2(X)	985.96	8/9/2007	13.98	---	0.00	---	15.30	0.00	971.98	
RW-2(X)	985.96	8/14/2007	14.12	---	0.00	---	15.30	0.00	971.84	
RW-2(X)	985.96	8/21/2007	14.20	---	0.00	---	15.30	0.00	971.76	
RW-2(X)	985.96	8/30/2007	14.40	---	0.00	---	15.30	0.00	971.56	
RW-3(X)	980.28	8/1/2007	9.50	---	0.00	---	44.40	0.00	970.78	
RW-3(X)	980.28	8/9/2007	9.74	---	0.00	42.70	44.40	1.70	970.54	
RW-3(X)	980.28	8/14/2007	9.70	---	0.00	42.40	44.40	2.00	970.58	
RW-3(X)	980.28	8/21/2007	9.91	---	0.00	43.10	44.40	1.30	970.37	
RW-3(X)	980.28	8/30/2007	9.81	---	0.00	42.60	44.40	1.80	970.47	
RW-4	987.44	8/8/2007	14.87	---	0.00	---	29.08	0.00	972.57	
RW-4	987.44	8/15/2007	14.95	---	0.00	---	29.01	0.00	972.49	
RW-4	987.44	8/20/2007	15.07	---	0.00	---	29.00	0.00	972.37	
RW-4	987.44	8/29/2007	15.16	---	0.00	---	29.08	0.00	972.28	
<b>Housatonic River</b>										
SG-HR-1	990.73	7/30/2007	19.90	See Note 6 regarding depth to water						970.83
SG-HR-1	990.73	8/7/2007	19.98	See Note 6 regarding depth to water						970.75
SG-HR-1	990.73	8/15/2007	19.90	See Note 6 regarding depth to water						970.83
SG-HR-1	990.73	8/22/2007	19.98	See Note 6 regarding depth to water						970.75
SG-HR-1	990.73	8/27/2007	20.03	See Note 6 regarding depth to water						970.70

**Notes:**

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

**TABLE 21-14**  
**ACTIVE RECOVERY SYSTEMS MONTHLY SUMMARY**  
**LYMAN STREET AREA**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**August 2007**

Month / Year	Volume Water Pumped (gallon)	RW-1 DNAPL Recovered (gallon)	RW-1R LNAPL Recovered (gallon)	RW-3 LNAPL Recovered (gallon)
August 2005	302,572	--	--	--
September 2005	198,753	--	--	--
October 2005	314,247	--	--	--
November 2005	412,936	--	--	--
December 2005	332,721	--	--	--
January 2006	342,548	--	--	--
February 2006	336,595	--	--	--
March 2006	322,169	--	--	--
April 2006	245,626	--	--	--
May 2006	253,821	--	--	--
June 2006	562,906	--	--	--
July 2006	206,016	--	--	--
August 2006	216,359	--	--	--
September 2006	172,604	--	--	--
October 2006	184,541	--	--	--
November 2006	270,731	--	--	--
December 2006	205,096	--	--	--
January 2007	240,662	--	--	5
February 2007	170,181	--	--	5
March 2007	205,590	--	--	10
April 2007	292,955	--	--	--
May 2007	279,466	--	--	10
June 2007	204,886	--	--	--
July 2007	186,214	--	--	5
August 2007	100,728	--	--	--

**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. The totalizer was reset to zero on August 16, 2007.

**TABLE 21-15  
 MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL  
 LYMAN STREET AREA  
 GROUNDWATER MANAGEMENT AREA 1  
 CONSENT DECREE MONTHLY STATUS REPORT  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
 August 2007**

<b>Well Name</b>	<b>Date</b>	<b>Depth to Water (ft BMP)</b>	<b>Depth to LNAPL (ft BMP)</b>	<b>LNAPL Thickness (feet)</b>	<b>LNAPL Removed (liters)</b>	<b>August 2007 Removal (liters)</b>
LS-31	8/27/2007	16.81	16.47	0.34	0.21	0.210

**Total Manual LNAPL Removal for August 2007: 0.210 liters  
 0.055 gallons**

Note:

1. ft BMP - feet Below Measuring Point.

**TABLE 21-16  
 MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL  
 LYMAN STREET AREA  
 GROUNDWATER MANAGEMENT AREA 1  
 CONSENT DECREE MONTHLY STATUS REPORT  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
 August 2007**

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	August 2007 Removal (liters)
LS-30	8/27/2007	16.41	22.1	1.84	1.14	1.14
LS-31	8/27/2007	16.81	24.80	0.65	0.40	0.40
LSSC-07	7/31/2007	11.60	24.60	0.48	0.296	0.858
	8/7/2007	11.75	24.84	0.24	0.148	
	8/15/2007	11.70	24.90	0.18	0.038	
	8/21/2007	11.80	24.65	0.43	0.265	
	8/27/2007	11.88	24.90	0.18	0.11	
LSSC-08I	7/31/2007	13.14	23.35	0.01	0.006	0.019
	8/21/2007	13.25	23.33	0.02	0.012	

**Total Manual DNAPL Removal for August 2007: 2.413 liters  
 0.637 gallons**

Note:

1. ft BMP - feet Below Measuring Point.

**TABLE 21-17  
ROUTINE WELL MONITORING  
LYMAN STREET AREA  
GROUNDWATER MANAGEMENT AREA 1  
CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
August 2007**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
EPA-01	983.04	8/27/2007	13.20	---	0.00	---	22.66	0.00	969.84
LS-24	986.58	8/27/2007	18.70	---	0.00	---	19.40	0.00	967.88
LS-30	986.440	8/27/2007	16.41	---	0.00	22.1	23.94	1.84	970.03
LS-31	987.090	8/27/2007	16.81	16.47	0.34	24.80	25.45	0.65	970.60
LS-38	986.95	8/27/2007	17.58	---	0.00	---	26.09	0.00	969.37
LS-44	980.78	8/27/2007	10.75	---	0.00	---	24.72	0.00	970.03
LSSC-07	982.48	7/31/2000	11.60	---	0.00	24.60	25.08	0.48	970.88
LSSC-07	982.48	8/7/2007	11.75	---	0.00	24.84	25.08	0.24	970.73
LSSC-07	982.48	8/15/2007	11.70	---	0.00	24.90	25.08	0.18	970.78
LSSC-07	982.48	8/21/2007	11.80	---	0.00	24.65	25.08	0.43	970.68
LSSC-07	982.48	8/27/2007	11.88	---	0.00	24.90	25.08	0.18	970.60
LSSC-08I	983.13	7/31/2007	13.14	---	0.00	23.35	23.36	0.01	969.99
LSSC-08I	983.13	8/7/2007	13.25	---	0.00	---	23.36	0.00	969.88
LSSC-08I	983.13	8/15/2007	13.20	---	0.00	---	23.36	0.00	969.93
LSSC-08I	983.13	8/21/2007	13.25	---	0.00	23.33	23.35	0.02	969.88
LSSC-08I	983.13	8/27/2007	13.30	---	0.00	---	23.35	0.00	969.83
LSSC-08S	983.11	8/27/2007	13.38	---	0.00	---	14.68	0.00	969.73
LSSC-16I	980.88	8/27/2007	10.15	---	0.00	---	28.53	0.00	970.73
LSSC-18	987.32	8/27/2007	19.12	---	0.00	---	22.50	0.00	968.20
LSSC-32	980.68	8/27/2007	10.35	---	0.00	---	35.24	0.00	970.33
LSSC-33	980.49	8/27/2007	10.13	---	0.00	---	29.10	0.00	970.36
RW-1	984.88	8/1/2007	11.90	P	< 0.01	---	21.00	0.00	972.98
RW-1	984.88	8/9/2007	12.80	---	0.00	---	21.00	0.00	972.08
RW-1 (R)	NA	8/1/2007	13.10	P	< 0.01	---	20.42	0.00	NA
RW-1 (R)	NA	8/9/2007	17.40	P	< 0.01	---	21.65	0.00	NA
RW-1 (R)	NA	8/14/2007	14.62	P	< 0.01	P	21.65	< 0.01	NA
RW-1 (R)	NA	8/21/2007	16.91	---	0.00	P	21.65	< 0.01	NA
RW-1 (R)	NA	8/30/2007	17.20	---	0.00	P	21.65	< 0.01	NA
RW-2	NA	8/1/2007	NA	---	0.00	---	21.75	0.00	NA
RW-2	NA	8/9/2007	17.92	---	0.00	---	24.71	0.00	NA
RW-2	NA	8/14/2007	17.20	---	0.00	---	24.71	0.00	NA
RW-2	NA	8/21/2007	17.41	---	0.00	---	21.75	0.00	NA
RW-2	NA	8/30/2007	17.78	---	0.00	---	24.70	0.00	NA
RW-3	NA	8/1/2007	15.61	---	0.00	---	21.57	0.00	NA
RW-3	NA	8/9/2007	18.30	18.29	0.01	---	22.70	0.00	NA
RW-3	NA	8/14/2007	18.11	18.10	0.01	---	22.70	0.00	NA
RW-3	NA	8/21/2007	18.11	18.10	0.01	---	21.57	0.00	NA
RW-3	NA	8/30/2007	18.51	18.49	0.02	---	22.70	0.00	NA

**TABLE 21-17**  
**ROUTINE WELL MONITORING**  
**LYMAN STREET AREA**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**August 2007**

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>Housatonic River (Lyman Street Bridge)</b>									
BM-2A	986.32	7/30/2007	16.51	See Note 6 regarding depth to water					969.81
BM-2A	986.32	8/7/2007	16.60	See Note 6 regarding depth to water					969.72
BM-2A	986.32	8/15/2007	16.60	See Note 6 regarding depth to water					969.72
BM-2A	986.32	8/22/2007	16.65	See Note 6 regarding depth to water					969.67
BM-2A	986.32	8/27/2007	16.70	See Note 6 regarding depth to water					969.62

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. NM indicates information not measured.
5. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
6. 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 21-18**  
**ACTIVE DNAPL RECOVERY SYSTEMS MONTHLY SUMMARY**  
**NEWELL STREET AREA II**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**August 2007**

Recovery System	Date	Total Gallons Recovered
System 2 <sup>(1)</sup>	August 2006	-- <sup>(2)</sup>
	September 2006	97.2
	October 2006	340.2
	November 2006	224.1
	December 2006	54.0
	January 2007	72.9
	February 2007	124.2
	March 2007	94.8
	April 2007	302.4
	May 2007	175.5
	June 2007	126.9
	July 2007	75.2
	August 2007	67.5
<b>Total Automated DNAPL Removal for August 2007:</b>		67.5

Notes:

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

**TABLE 21-19**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GROUNDWATER MANAGEMENT AREA 1 - NEWELL STREET AREA II**  
**MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL**  
**August 2007**

<b>Well Name</b>	<b>Date</b>	<b>Depth to Water (ft BMP)</b>	<b>Depth to DNAPL (ft BMP)</b>	<b>DNAPL Thickness (feet)</b>	<b>DNAPL Removed (liters)</b>	<b>August 2007 Removal (liters)</b>
N2SC-07	8/27/2007	11.02	35.73	0.07	0.04	0.043
N2SC-08	8/27/2007	12.35	39.90	1.30	0.80	0.802

**Total DNAPL Removal for August 2007: 0.845 liters**  
**0.223 gallons**

Note:

1. ft BMP - feet Below Measuring Point.



**TABLE 21-20  
ROUTINE WELL MONITORING  
NEWELL STREET AREA II  
GROUNDWATER MANAGEMENT AREA 1  
CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
August 2007**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
N2SC-01I	984.99	8/27/2007	12.82	---	0.00	37.50	40.40	2.90	972.17
N2SC-01I(R)	986.01	8/1/2007	16.2	---	0.00	P	42.60	< 0.01	969.81
N2SC-01I(R)	986.01	8/9/2007	16.15	---	0.00	P	42.60	< 0.01	969.86
N2SC-01I(R)	986.01	8/14/2007	16.20	---	0.00	42.40	42.60	0.20	969.81
N2SC-01I(R)	986.01	8/21/2007	15.30	---	0.00	41.95	42.60	0.65	970.71
N2SC-01I(R)	986.01	8/30/2007	16.37	---	0.00	42.16	42.60	0.44	969.64
N2SC-02	985.56	8/27/2007	11.91	---	0.00	---	38.38	0.00	973.65
N2SC-03I	986.24	8/27/2007	11.35	---	0.00	35.60	37.70	2.10	974.89
N2SC-03I(R)	985.86	8/1/2007	14.2	---	0.00	39.80	41.10	1.30	971.66
N2SC-03I(R)	985.86	8/9/2007	14.60	---	0.00	38.85	41.10	2.25	971.26
N2SC-03I(R)	985.86	8/14/2007	14.32	---	0.00	39.60	41.10	1.50	971.54
N2SC-03I(R)	985.86	8/21/2007	14.41	---	0.00	39.85	41.10	1.25	971.45
N2SC-03I(R)	985.86	8/30/2007	14.5	---	0.00	39.90	41.10	1.20	971.36
N2SC-07	984.61	8/27/2007	11.02	---	0.00	35.73	35.80	0.07	973.59
N2SC-08	986.07	8/27/2007	12.35	---	0.00	39.90	41.20	1.30	973.72
N2SC-14	985.06	8/1/2007	14.9	---	0.00	39.10	40.00	0.90	970.16
N2SC-14	985.06	8/9/2007	14.91	---	0.00	39.10	40.00	0.90	970.15
N2SC-14	985.06	8/14/2007	14.96	---	0.00	39.62	40.00	0.38	970.10
N2SC-14	985.06	8/21/2007	15.09	---	0.00	38.95	40.00	1.05	969.97
N2SC-14	985.06	8/30/2007	15.17	---	0.00	39.10	40.00	0.90	969.89
NS-15R	NA	8/27/2007	11.52	---	0.00	---	19.03	0.00	NA
NS-30	985.99	8/27/2007	11.05	---	0.00	34.94	35.10	0.16	974.94
NS-32	986.20	8/27/2007	12.04	---	0.00	38.00	38.05	0.05	974.16

**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.

**TABLE 21-21**  
**ROUTINE WELL MONITORING**  
**SILVER LAKE AREA**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**August 2007**

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>Staff Gauge within Silver Lake</b>									
BM-SL-5	980.27	8/1/2007	4.52						975.75
BM-SL-5	980.27	8/7/2007	4.60						975.67
BM-SL-5	980.27	8/15/2007	4.52						975.75
BM-SL-5	980.27	8/22/2007	4.62						975.65
BM-SL-5	980.27	8/27/2007	4.63						975.64

Notes:

1. ft BMP - feet Below Measuring Point.
2. Survey reference point BM-SL-5 was established on the former Silver Lake staff gauge support structure following destruction of the gauge due to ice. The "Depth to Water" value(s) provided in the above table refer to the vertical distance as measured down from the surveyed reference point to the water surface.
3. Additional groundwater elevation data may also be collected from wells near Silver Lake that are located in the 30s Complex and at the Lyman Street Area. If available, 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)  
AUGUST 2007**

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

**a. Activities Undertaken/Completed**

Continued routine river elevation monitoring.

**b. Sampling/Test Results Received**

See attached table.

**c. Work Plans/Reports/Documents Submitted**

None

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

Continue routine river elevation monitoring.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

Awaiting EPA approval of GE's June 15, 2007 Baseline Assessment Final Report and Long-Term Monitoring Program Proposal.

**f. Proposed/Approved Work Plan Modifications**

None

**TABLE 22-1**  
**ROUTINE WELL MONITORING**  
**GROUNDWATER MANAGEMENT AREA 2**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**August 2007**

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>Housatonic River (Foot Bridge)</b>									
GMA2-SG-1	989.82	8/27/2007	17.30	See Note 2 regarding depth to water					972.52

Notes:

1. ft BMP - feet Below Measuring Point.
2. A survey reference point was established on the Oxbow J & K foot bridge. The "Depth to Water" value(s) provided in the above table refer to the vertical distance from the surveyed reference point to the water surface.

**ITEM 23**  
**GROUNDWATER MANAGEMENT AREAS**  
**PLANT SITE 2 (GMA 3)**  
**(GECD330)**  
**AUGUST 2007**

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

**a. Activities Undertaken/Completed**

Conducted routine groundwater elevation and NAPL monitoring activities. Approximately 107.506 liters (28.37 gallons) of LNAPL were removed by the automatic skimmer located in well 51-21 and an additional 7.918 liters (2.09 gallons) of LNAPL were manually removed from the wells in this area during August (see Table 23-1).

**b. Sampling/Test Results Received**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

Submitted Spring 2007 Interim Groundwater Quality and NAPL Monitoring Report (August 30, 2007).

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

Continue routine groundwater and NAPL monitoring/recovery activities.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

**f. Proposed/Approved Work Plan Modifications**

A proposal to install a new automated LNAPL recovery system in well 59-3R (or an adjacent new well) was included in GE's July 17, 2007 evaluation of LNAPL recovery rates at wells near Buildings 51 and 59. That proposal is awaiting EPA approval.

**TABLE 23-1**  
**MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL**  
**GROUNDWATER MANAGEMENT AREA 3**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**August 2007**

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	August 2007 Removal (liters)
51-08	7/30/2007	12.35	11.33	1.02	0.753	3.63
	8/7/2007	12.60	11.55	1.05	0.647	
	8/15/2007	12.70	11.60	1.10	0.679	
	8/22/2007	13.18	11.76	1.42	0.876	
	8/28/2007	12.90	11.80	1.10	0.679	
51-15	8/28/2007	11.45	11.20	0.25	0.154	0.15
51-16R	8/28/2007	11.40	11.15	0.25	0.154	0.15
51-17	8/28/2007	12.00	10.95	1.05	0.648	0.65
51-19	8/28/2007	11.85	11.35	0.50	0.308	0.31
51-21	8/1/2007	15.95	15.94	0.01	9.46	107.51
	8/9/2007	16.11	16.10	0.01	24.98	
	8/14/2007	16.11	16.10	0.01	14.76	
	8/21/2007	16.13	16.12	0.01	21.96	
	8/30/2007	16.35	16.34	0.01	36.34	
59-03R	8/28/2007	12.95	12.30	0.65	0.401	0.40
GMA3-10	7/30/2007	11.95	11.70	0.25	0.154	0.703
	8/7/2007	12.10	11.83	0.27	0.167	
	8/15/2007	12.21	11.92	0.29	0.179	
	8/22/2007	12.38	12.05	0.33	0.204	
GMA3-12	8/7/2007	12.55	12.18	0.37	0.914	1.712
	8/15/2007	12.35	12.30	0.05	0.031	
	8/22/2007	12.81	12.50	0.31	0.766	
GMA3-13	7/30/2007	11.91	11.88	0.03	0.019	0.062
	8/7/2007	12.04	12.02	0.02	0.012	
	8/15/2007	12.15	12.12	0.03	0.019	
	8/22/2007	12.24	12.22	0.02	0.012	
UB-PZ-3	8/28/2007	13.32	12.91	0.41	0.143	0.14

**Total Automated LNAPL Removal at well 51-21 for August 2007: 107.506 liters**  
**28.37 Gallons**

**Total Manual LNAPL Removal at all other wells for August 2007: 7.918 liters**  
**2.09 Gallons**

**Total LNAPL Removed for August 2007: 115.424 liters**  
**30.45 Gallons**

Notes:

1. ft BMP - feet Below Measuring Point.

**TABLE 23-2**  
**ROUTINE WELL MONITORING**  
**GROUNDWATER MANAGEMENT AREA 3**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**August 2007**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
51-05	996.44	8/28/2007	11.15	---	0.00	---	11.40	0.00	985.29
51-06	997.36	8/28/2007	11.65	---	0.00	---	14.35	0.00	985.71
51-07	997.08	8/28/2007	Dry at 11.23 feet			---	11.23	0.00	NA
51-08	997.08	7/30/2007	12.35	11.33	1.02	---	14.63	0.00	985.68
51-08	997.08	8/7/2007	12.60	11.55	1.05	---	14.64	0.00	985.46
51-08	997.08	8/15/2007	12.70	11.60	1.10	---	14.64	0.00	985.40
51-08	997.08	8/22/2007	13.18	11.76	1.42	---	14.65	0.00	985.22
51-08	997.08	8/28/2007	12.90	11.80	1.10	---	14.62	0.00	985.20
51-09	997.70	8/28/2007	Dry at 11.60 feet			---	11.60	0.00	NA
51-11	994.37	8/28/2007	9.60	---	0.00	---	13.48	0.00	984.77
51-12	996.55	8/28/2007	7.85	---	0.00	---	13.35	0.00	988.70
51-13	997.42	8/28/2007	Dry at 9.82 feet			---	9.82	0.00	NA
51-14	996.77	8/28/2007	11.75	---	0.00	---	14.70	0.00	985.02
51-15	996.43	8/28/2007	11.45	11.20	0.25	---	14.35	0.00	985.21
51-16R	996.39	8/28/2007	11.40	11.15	0.25	---	14.50	0.00	985.22
51-17	996.43	8/28/2007	12.00	10.95	1.05	---	14.51	0.00	985.41
51-18	997.12	8/28/2007	11.90	---	0.00	---	12.60	0.00	985.22
51-19	996.43	8/28/2007	11.85	11.35	0.50	---	14.09	0.00	985.05
51-21	1001.49	8/1/2007	15.95	15.94	0.01	---	NM	0.00	985.55
51-21	1001.49	8/9/2007	16.11	16.10	0.01	---	NM	0.00	985.39
51-21	1001.49	8/14/2007	16.11	16.10	0.01	---	NM	0.00	985.39
51-21	1001.49	8/21/2007	16.13	16.12	0.01	---	NM	0.00	985.37
51-21	1001.49	8/30/2007	16.35	16.34	0.01	---	NM	0.00	985.15

**TABLE 23-2  
ROUTINE WELL MONITORING  
GROUNDWATER MANAGEMENT AREA 3  
CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
August 2007**

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)
59-01	997.52	8/28/2007	Dry at 11.40 feet			---	11.40	0.00	NA
59-03R	997.64	8/28/2007	12.95	12.30	0.65	---	17.04	0.00	985.29
59-07	997.96	8/28/2007	12.70	12.60	0.10	---	23.53	0.00	985.35
078B-R	988.83	8/28/2007	2.25	---	0.00	---	11.75	0.00	986.58
GMA3-10	997.54	7/30/2007	11.95	11.70	0.25	---	17.80	0.00	985.82
GMA3-10	997.54	8/7/2007	12.10	11.83	0.27	---	17.80	0.00	985.69
GMA3-10	997.54	8/15/2007	12.21	11.92	0.29	---	17.80	0.00	985.60
GMA3-10	997.54	8/22/2007	12.38	12.05	0.33	---	17.81	0.00	985.47
GMA3-10	997.54	8/28/2007	12.28	12.15	0.13	---	17.80	0.00	985.38
GMA3-11	997.25	7/30/2007	11.02	---	0.00	---	18.26	0.00	986.23
GMA3-11	997.25	8/7/2007	11.25	---	0.00	---	18.24	0.00	986.00
GMA3-11	997.25	8/15/2007	11.30	---	0.00	---	18.24	0.00	985.95
GMA3-11	997.25	8/22/2007	11.43	---	0.00	---	18.24	0.00	985.82
GMA3-11	997.25	8/28/2007	11.50	---	0.00	---	18.25	0.00	985.75
GMA3-12	997.84	7/30/2007	12.02	12.00	0.02	---	21.22	0.00	985.84
GMA3-12	997.84	8/7/2007	12.55	12.18	0.37	---	21.20	0.00	985.63
GMA3-12	997.84	8/15/2007	12.35	12.30	0.05	---	21.21	0.00	985.54
GMA3-12	997.84	8/22/2007	12.81	12.50	0.31	---	21.30	0.00	985.32
GMA3-12	997.84	8/28/2007	12.54	12.46	0.08	---	21.22	0.00	985.37
GMA3-13	997.73	7/30/2007	11.91	11.88	0.03	---	17.45	0.00	985.85
GMA3-13	997.73	8/7/2007	12.04	12.02	0.02	---	17.45	0.00	985.71
GMA3-13	997.73	8/15/2007	12.15	12.12	0.03	---	17.45	0.00	985.61
GMA3-13	997.73	8/22/2007	12.24	12.22	0.02	---	17.40	0.00	985.51
GMA3-13	997.73	8/28/2007	12.31	---	0.00	---	17.40	0.00	985.42
GMA3-14	997.42	8/28/2007	11.40	---	0.00	---	16.70	0.00	986.02
GMA3-16	989.26	7/30/2007	1.90	---	0.00	---	12.86	0.00	987.36



**TABLE 23-2  
ROUTINE WELL MONITORING  
GROUNDWATER MANAGEMENT AREA 3  
CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
August 2007**

<b>Well Name</b>	<b>Measuring Point Elev. (feet)</b>	<b>Date</b>	<b>Depth to Water (ft BMP)</b>	<b>Depth to LNAPL (ft BMP)</b>	<b>LNAPL Thickness (feet)</b>	<b>Depth to DNAPL (ft BMP)</b>	<b>Total Depth (ft BMP)</b>	<b>DNAPL Thickness (feet)</b>	<b>Corrected Water Elev. (feet)</b>
GMA3-16	989.26	8/7/2007	2.48	---	0.00	---	12.84	0.00	986.78
GMA3-16	989.26	8/15/2007	2.11	---	0.00	---	12.85	0.00	987.15
GMA3-16	989.26	8/22/2007	2.50	---	0.00	---	12.82	0.00	986.76
GMA3-16	989.26	8/28/2007	2.68	---	0.00	---	12.75	0.00	986.58
UB-MW-10	995.99	8/28/2007	10.75	---	0.00	---	14.52	0.00	985.24
UB-PZ-3	998.15	8/28/2007	13.32	12.91	0.41	---	13.41	0.00	985.21

Notes:

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

**ITEM 24  
GROUNDWATER MANAGEMENT AREAS  
PLANT SITE 3 (GMA 4)  
(GEC340)  
AUGUST 2007**

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

**a. Activities Undertaken/Completed**

- Conducted drum sampling at Building 78 of purge water from monitoring wells within GMA 4, as identified in Table 24-1.
- Conducted routine monthly groundwater elevation monitoring at well GMA4-3.

**b. Sampling/Test Results Received**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

Submitted Spring 2007 Interim Groundwater Quality Report (August 30, 2007).

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

Continue routine monitoring at well GMA4-3.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

**f. Proposed/Approved Work Plan Modifications**

None

**TABLE 24-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

**GROUNDWATER MANAGEMENT AREA 4  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Well Purge Water from GMA-4	B1908-1	8/14/07	Water	SGS	PCB, VOC, SVOC, Total Metals (RCRA 8)	8/29/07

**TABLE 24-2  
DATA RECEIVED DURING AUGUST 2007**

**WELL PURGE WATER FROM GMA-4  
GROUNDWATER MANAGEMENT AREA 4  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Parameter</b>	<b>Sample ID: Date Collected:</b>	<b>B1908-1 08/14/07</b>
<b>Volatile Organics</b>		
Methylene Chloride		0.0053
Toluene		0.0062
<b>PCBs-Unfiltered</b>		
Aroclor-1254		0.00013
Aroclor-1260		0.000067 J
Total PCBs		0.000197
<b>Semivolatile Organics</b>		
None Detectec		--
<b>Inorganics-Unfiltered</b>		
Barium		0.0356 B
Chromium		0.00777 B
Lead		0.000600 B

Notes:

1. Sample was collected by Veolia ES Technical Solutions, L.L.C. and submitted to SGS Environmental Services, Inc. for analysis of volatiles, PCBs, semivolatiles and metals.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
3. Only detected constituents are summarized.
4. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)

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

Inorganics

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

**TABLE 24-3**  
**ROUTINE WELL MONITORING**  
**GROUNDWATER MANAGEMENT AREA 4**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**August 2007**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
GMA4-3	1,003.95	8/28/2007	18.53	---	0.00	---	26.25	0.00	985.42

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)**  
**AUGUST 2007**

\* 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 Addendum to Baseline Assessment Final Report and Long-Term Monitoring Program Proposal (due by September 20, 2007).

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

None

**f. Proposed/Approved Work Plan Modifications**

Received EPA conditional approval of GE's April 26, 2007 Baseline Assessment Final Report and Long-Term Monitoring Program Proposal (August 21, 2007).

**Attachment A**

NPDES Sampling Records  
and Results – August 2007

**TABLE A-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

**NPDES PERMIT MONITORING  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
NPDES Sampling	001-A8396	8/6/07	Water	Columbia	Oil & Grease	8/14/07
NPDES Sampling	001-A8398	8/6/07	Water	Columbia	TSS	8/14/07
NPDES Sampling	001-A8399	8/6/07	Water	Accutest	PCB	8/30/07
NPDES Sampling	005-A8356/A8357	7/17/07	Water	Accutest	PCB	8/2/07
NPDES Sampling	005-A8370/A8371	7/24/07	Water	Accutest	PCB	8/20/07
NPDES Sampling	005-A8390/A8391	7/31/07	Water	Accutest	PCB	8/30/07
NPDES Sampling	005-A8404/A8407	8/6/07	Water	Accutest	PCB	8/30/07
NPDES Sampling	005-A8404/A8407	8/6/07	Water	Columbia	TSS	8/14/07
NPDES Sampling	005-A8420/A8421	8/8/07	Water	Accutest	BOD	8/30/07
NPDES Sampling	005-A8433/A8436	8/13/07	Water	Accutest	PCB	8/30/07
NPDES Sampling	005-A8444/A8447	8/20/07	Water	Accutest	PCB	8/30/07
NPDES Sampling	005-A8453/A8456	8/27/07	Water	Accutest	PCB	
NPDES Sampling	05B-A8344	7/11/07	Water	Accutest	PCB	8/1/07
NPDES Sampling	06A-A8414	8/8/07	Water	Columbia	Oil & Grease	8/16/07
NPDES Sampling	06A-A8416	8/8/07	Water	Accutest	PCB	8/30/07
NPDES Sampling	09B-A8362	7/19/07	Water	Accutest	BOD	8/2/07
NPDES Sampling	09B-A8368	7/23/07	Water	Accutest	BOD	8/1/07
NPDES Sampling	09B-A8388	7/30/07	Water	Accutest	BOD	8/14/07
NPDES Sampling	09B-A8388	7/30/07	Water	Columbia	TSS	8/8/07
NPDES Sampling	09B-A8395	8/5/07	Water	Columbia	TSS	8/14/07
NPDES Sampling	09B-A8422	8/8/07	Water	Accutest	BOD	8/30/07
NPDES Sampling	09B-A8438	8/13/07	Water	Accutest	BOD	8/30/07
NPDES Sampling	09B-A8438	8/13/07	Water	Columbia	TSS	8/30/07
NPDES Sampling	09B-A8441	8/19/07	Water	Columbia	TSS	8/28/07
NPDES Sampling	09B-A8449	8/23/07	Water	Accutest	BOD	
NPDES Sampling	09B-A8457	8/29/07	Water	Accutest	BOD	
NPDES Sampling	09B-A8457	8/29/07	Water	Columbia	TSS	
NPDES Sampling	09C-A8360	7/18/07	Water	Columbia	Oil & Grease	8/3/07
NPDES Sampling	09C-A8373	7/28/07	Water	Columbia	Oil & Grease	8/8/07
NPDES Sampling	09C-A8412	8/8/07	Water	Columbia	Oil & Grease	8/16/07
NPDES Sampling	09C-A8439	8/17/07	Water	Columbia	Oil & Grease	8/28/07
NPDES Sampling	64G-A8386	7/30/07	Water	Columbia	Oil & Grease	8/8/07
NPDES Sampling	64G-A8392	7/31/07	Water	Columbia	SVOC	8/8/07
NPDES Sampling	64G-A8405	8/6/07	Water	Columbia	Oil & Grease	8/14/07
NPDES Sampling	64G-A8434	8/13/07	Water	Columbia	Oil & Grease	8/30/07
NPDES Sampling	64G-A8445	8/20/07	Water	Columbia	Oil & Grease	8/28/07



**TABLE A-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

**NPDES PERMIT MONITORING  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
NPDES Sampling	64G-A8454	8/27/07	Water	Columbia	Oil & Grease	
NPDES Sampling	64T-A8384	7/30/07	Water	Columbia	Oil & Grease	8/8/07
NPDES Sampling	64T-A8402	8/6/07	Water	Columbia	Oil & Grease	8/14/07
NPDES Sampling	64T-A8431	8/13/07	Water	Columbia	Oil & Grease	8/30/07
NPDES Sampling	64T-A8442	8/20/07	Water	Columbia	Oil & Grease	8/28/07
NPDES Sampling	64T-A8451	8/27/07	Water	Columbia	Oil & Grease	
NPDES Sampling	A8328C	7/9/07	Water	Aquatec	Acute Toxicity Test	8/7/07
NPDES Sampling	A8329R	7/9/07	Water	Aquatec	Acute Toxicity Test	8/7/07
NPDES Sampling	A8340C	7/11/07	Water	Aquatec	Chronic Toxicity Test	8/8/07
NPDES Sampling	A8341R	7/11/07	Water	Aquatec	Chronic Toxicity Test	8/8/07
NPDES Sampling	A8349C	7/13/07	Water	Aquatec	Chronic Toxicity Test	8/8/07
NPDES Sampling	A8350R	7/13/07	Water	Aquatec	Chronic Toxicity Test	8/8/07
NPDES Sampling	A8408C	8/6/07	Water	Aquatec	Chronic & Acute Toxicity Test	
NPDES Sampling	A8408CCN	8/6/07	Water	Columbia	CN	8/15/07
NPDES Sampling	A8408CCN-FLTR	8/6/07	Solid	Columbia	CN	8/15/07
NPDES Sampling	A8408CDM	8/6/07	Water	Columbia	Filtered Metals (8)	8/15/07
NPDES Sampling	A8408CTM	8/6/07	Water	Columbia	Metals (10)	8/15/07
NPDES Sampling	A8409R	8/6/07	Water	Aquatec	Chronic & Acute Toxicity Test	
NPDES Sampling	A8409RCN	8/6/07	Water	Columbia	CN	8/15/07
NPDES Sampling	A8409RCN-FLTR	8/6/07	Solid	Columbia	CN	8/15/07
NPDES Sampling	A8409RTM	8/6/07	Water	Columbia	Metals (10)	8/15/07
NPDES Sampling	A8410C	8/8/07	Water	Aquatec	Chronic Toxicity Test	
NPDES Sampling	A8410CCN	8/8/07	Water	Columbia	CN	8/30/07
NPDES Sampling	A8410CCN-FLTR	8/8/07	Solid	Columbia	CN	8/30/07
NPDES Sampling	A8410CDM	8/8/07	Water	Columbia	Filtered Metals (8)	8/30/07
NPDES Sampling	A8410CTM	8/8/07	Water	Columbia	Metals (10)	8/30/07
NPDES Sampling	A8411R	8/8/07	Water	Aquatec	Chronic Toxicity Test	
NPDES Sampling	A8411RCN	8/8/07	Water	Columbia	CN	8/30/07
NPDES Sampling	A8411RCN-FLTR	8/8/07	Solid	Columbia	CN	8/30/07
NPDES Sampling	A8411RTM	8/8/07	Water	Columbia	Metals (10)	8/30/07
NPDES Sampling	A8423C	8/10/07	Water	Aquatec	Chronic Toxicity Test	
NPDES Sampling	A8423CCN	8/10/07	Water	Columbia	CN	8/29/07
NPDES Sampling	A8423CCN-FLTR	8/10/07	Solid	Columbia	CN	8/29/07
NPDES Sampling	A8423CDM	8/10/07	Water	Columbia	Filtered Metals (8)	8/29/07
NPDES Sampling	A8423CTM	8/10/07	Water	Columbia	Metals (10)	8/29/07
NPDES Sampling	A8424R	8/10/07	Water	Aquatec	Chronic Toxicity Test	

**TABLE A-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING AUGUST 2007**

**NPDES PERMIT MONITORING  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
NPDES Sampling	A8424RCN	8/10/07	Water	Columbia	CN	8/29/07
NPDES Sampling	A8424RCN-FLTR	8/10/07	Solid	Columbia	CN	8/29/07
NPDES Sampling	A8424RTM	8/10/07	Water	Columbia	Metals (10)	8/29/07
NPDES Sampling	AUG07WK1	7/31/07	Water	Columbia	Cu, Pb, Zn	8/8/07
NPDES Sampling	AUG07WK3	8/13/07	Water	Columbia	Cu, Pb, Zn	8/30/07
NPDES Sampling	AUG07WK4	8/20/07	Water	Columbia	Cu, Pb, Zn	8/28/07
NPDES Sampling	JUL07WK4	7/24/07	Water	Columbia	Cu, Pb, Zn	8/1/07
NPDES Sampling	SEPT07WK1	8/27/07	Water	Columbia	Cu, Pb, Zn	

TABLE A-2  
DATA RECEIVED DURING AUGUST 2007

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

Parameter	Sample ID: Date Collected:	001-A8396 08/06/07	001-A8398 08/06/07	001-A8399 08/06/07	005-A8356/A8357 07/17/07	005-A8370/A8371 07/24/07	005-A8390/A8391 07/31/07	005-A8404/A8407 08/06/07
<b>PCBs-Unfiltered</b>								
Aroclor-1254		NA	NA	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)
Aroclor-1260		NA	NA	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)
Total PCBs		NA	NA	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)
<b>Semivolatile Organics</b>								
None Detected		NA	NA	NA	NA	NA	NA	NA
<b>Inorganics-Unfiltered</b>								
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
<b>Inorganics-Filtered</b>								
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
<b>Conventionals</b>								
Biological Oxygen Demand (5-day)		NA	NA	NA	NA	NA	NA	NA
Oil & Grease		ND(5.0)	NA	NA	NA	NA	NA	NA
Total Suspended Solids		NA	2.20	NA	NA	NA	NA	ND(1.00)

TABLE A-2  
DATA RECEIVED DURING AUGUST 2007

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

Parameter	Sample ID: Date Collected:	005-A8420/A8421 08/08/07	005-A8433/A8436 08/13/07	005-A8444/A8447 08/20/07	05B-A8344 07/11/07	06A-A8414 08/08/07	06A-A8416 08/08/07	09B-A8362 07/19/07
<b>PCBs-Unfiltered</b>								
Aroclor-1254		NA	ND(0.000050)	ND(0.000050)	0.0017	NA	0.00091	NA
Aroclor-1260		NA	ND(0.000050)	ND(0.000050)	0.0025	NA	0.00080	NA
Total PCBs		NA	ND(0.000050)	ND(0.000050)	0.0042	NA	0.00171	NA
<b>Semivolatile Organics</b>								
None Detected		NA	NA	NA	NA	NA	NA	NA
<b>Inorganics-Unfiltered</b>								
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
<b>Inorganics-Filtered</b>								
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
<b>Conventionals</b>								
Biological Oxygen Demand (5-day)		ND(2.0)	NA	NA	NA	NA	NA	3.1
Oil & Grease		NA	NA	NA	NA	ND(5.0)	NA	NA
Total Suspended Solids		NA	NA	NA	NA	NA	NA	NA

TABLE A-2  
DATA RECEIVED DURING AUGUST 2007

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

Parameter	Sample ID: Date Collected:	09B-A8368 07/23/07	09B-A8388 07/30/07	09B-A8395 08/05/07	09B-A8422 08/08/07	09B-A8438 08/13/07	09B-A8441 08/19/07	09C-A8360 07/18/07	09C-A8373 07/28/07
<b>PCBs-Unfiltered</b>									
Aroclor-1254		NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260		NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA	NA	NA	NA	NA
<b>Semivolatile Organics</b>									
None Detected		NA	NA	NA	NA	NA	NA	NA	NA
<b>Inorganics-Unfiltered</b>									
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
<b>Inorganics-Filtered</b>									
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
<b>Conventionals</b>									
Biological Oxygen Demand (5-day)		ND(2.0)	ND(2.0)	NA	2.3	ND(2.0)	NA	NA	NA
Oil & Grease		NA	NA	NA	NA	NA	NA	ND(5.0)	ND(5.0)
Total Suspended Solids		NA	3.00	4.04	NA	2.80	5.20	NA	NA

TABLE A-2  
DATA RECEIVED DURING AUGUST 2007

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

Parameter	Sample ID: Date Collected:	09C-A8412 08/08/07	09C-A8439 08/17/07	64G-A8386 07/30/07	64G-A8392 07/31/07	64G-A8405 08/06/07	64G-A8434 08/13/07	64G-A8445 08/20/07	64T-A8384 07/30/07
<b>PCBs-Unfiltered</b>									
Aroclor-1254		NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260		NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA	NA	NA	NA	NA
<b>Semivolatile Organics</b>									
None Detected		NA	NA	NA	--	NA	NA	NA	NA
<b>Inorganics-Unfiltered</b>									
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
<b>Inorganics-Filtered</b>									
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
<b>Conventionals</b>									
Biological Oxygen Demand (5-day)		NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease		ND(5.0)	ND(5.0)	ND(5.0)	NA	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Total Suspended Solids		NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2  
DATA RECEIVED DURING AUGUST 2007

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

Parameter	Sample ID: Date Collected:	64T-A8402 08/06/07	64T-A8431 08/13/07	64T-A8442 08/20/07	A8408CCN 08/06/07	A8408CCN-FLTR 08/06/07	A8408CDM 08/06/07	A8408CTM 08/06/07	A8409RCN 08/06/07
<b>PCBs-Unfiltered</b>									
Aroclor-1254		NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260		NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA	NA	NA	NA	NA
<b>Semivolatile Organics</b>									
None Detected		NA	NA	NA	NA	NA	NA	NA	NA
<b>Inorganics-Unfiltered</b>									
Aluminum		NA	NA	NA	NA	NA	NA	ND(0.100)	NA
Cadmium		NA	NA	NA	NA	NA	NA	ND(0.00500)	NA
Calcium		NA	NA	NA	NA	NA	NA	96.4	NA
Chromium		NA	NA	NA	NA	NA	NA	ND(0.0100)	NA
Copper		NA	NA	NA	NA	NA	NA	ND(0.0200)	NA
Cyanide		NA	NA	NA	0.0244	ND(0.0100)	NA	NA	ND(0.0100)
Lead		NA	NA	NA	NA	NA	NA	ND(0.00500)	NA
Magnesium		NA	NA	NA	NA	NA	NA	39.2	NA
Nickel		NA	NA	NA	NA	NA	NA	ND(0.0400)	NA
Silver		NA	NA	NA	NA	NA	NA	ND(0.0100)	NA
Zinc		NA	NA	NA	NA	NA	NA	ND(0.0200)	NA
<b>Inorganics-Filtered</b>									
Aluminum		NA	NA	NA	NA	NA	NA	ND(0.100)	NA
Cadmium		NA	NA	NA	NA	NA	NA	ND(0.00500)	NA
Chromium		NA	NA	NA	NA	NA	NA	ND(0.0100)	NA
Copper		NA	NA	NA	NA	NA	NA	ND(0.0200)	NA
Lead		NA	NA	NA	NA	NA	NA	ND(0.00500)	NA
Nickel		NA	NA	NA	NA	NA	NA	ND(0.0400)	NA
Silver		NA	NA	NA	NA	NA	NA	ND(0.0100)	NA
Zinc		NA	NA	NA	NA	NA	NA	ND(0.0200)	NA
<b>Conventionals</b>									
Biological Oxygen Demand (5-day)		NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease		ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	NA	NA	NA
Total Suspended Solids		NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2  
DATA RECEIVED DURING AUGUST 2007

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

Parameter	Sample ID: Date Collected:	A8409RCN-FLTR 08/06/07	A8409RTM 08/06/07	A8410CCN 08/08/07	A8410CCN-FLTR 08/08/07	A8410CDM 08/08/07	A8410CTM 08/08/07	A8411RCN 08/08/07
<b>PCBs-Unfiltered</b>								
Aroclor-1254		NA	NA	NA	NA	NA	NA	NA
Aroclor-1260		NA	NA	NA	NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA	NA	NA	NA
<b>Semivolatile Organics</b>								
None Detected		NA	NA	NA	NA	NA	NA	NA
<b>Inorganics-Unfiltered</b>								
Aluminum		NA	0.110	NA	NA	NA	0.107	NA
Cadmium		NA	ND(0.00500)	NA	NA	NA	ND(0.00500)	NA
Calcium		NA	41.1	NA	NA	NA	52.4	NA
Chromium		NA	ND(0.0100)	NA	NA	NA	ND(0.0100)	NA
Copper		NA	ND(0.0200)	NA	NA	NA	ND(0.0200)	NA
Cyanide		ND(0.0100)	NA	ND(0.0100)	ND(0.0100)	NA	NA	ND(0.0100)
Lead		NA	ND(0.00500)	NA	NA	NA	0.00550	NA
Magnesium		NA	14.5	NA	NA	NA	23.9	NA
Nickel		NA	ND(0.0400)	NA	NA	NA	ND(0.0400)	NA
Silver		NA	ND(0.0100)	NA	NA	NA	ND(0.0100)	NA
Zinc		NA	ND(0.0200)	NA	NA	NA	0.0305	NA
<b>Inorganics-Filtered</b>								
Aluminum		NA	NA	NA	NA	ND(0.100)	NA	NA
Cadmium		NA	NA	NA	NA	ND(0.00500)	NA	NA
Chromium		NA	NA	NA	NA	ND(0.0100)	NA	NA
Copper		NA	NA	NA	NA	ND(0.0200)	NA	NA
Lead		NA	NA	NA	NA	ND(0.00500)	NA	NA
Nickel		NA	NA	NA	NA	ND(0.0400)	NA	NA
Silver		NA	NA	NA	NA	ND(0.0100)	NA	NA
Zinc		NA	NA	NA	NA	0.0344	NA	NA
<b>Conventionals</b>								
Biological Oxygen Demand (5-day)		NA	NA	NA	NA	NA	NA	NA
Oil & Grease		NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids		NA	NA	NA	NA	NA	NA	NA



TABLE A-2  
DATA RECEIVED DURING AUGUST 2007

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

Parameter	Sample ID: Date Collected:	A8411RCN-FLTR 08/08/07	A8411RTM 08/08/07	A8423CCN 08/10/07	A8423CCN-FLTR 08/10/07	A8423CDM 08/10/07	A8423CTM 08/10/07	A8424RCN 08/10/07
<b>PCBs-Unfiltered</b>								
Aroclor-1254		NA	NA	NA	NA	NA	NA	NA
Aroclor-1260		NA	NA	NA	NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA	NA	NA	NA
<b>Semivolatile Organics</b>								
None Detected		NA	NA	NA	NA	NA	NA	NA
<b>Inorganics-Unfiltered</b>								
Aluminum		NA	ND(0.100)	NA	NA	NA	ND(0.100)	NA
Cadmium		NA	ND(0.00500)	NA	NA	NA	ND(0.00500)	NA
Calcium		NA	33.4	NA	NA	NA	31.2	NA
Chromium		NA	ND(0.0100)	NA	NA	NA	ND(0.0100)	NA
Copper		NA	ND(0.0200)	NA	NA	NA	ND(0.0200)	NA
Cyanide		ND(0.0100)	NA	ND(0.0100)	ND(0.0100)	NA	NA	ND(0.0100)
Lead		NA	ND(0.00500)	NA	NA	NA	ND(0.00500)	NA
Magnesium		NA	11.9	NA	NA	NA	11.7	NA
Nickel		NA	ND(0.0400)	NA	NA	NA	ND(0.0400)	NA
Silver		NA	ND(0.0100)	NA	NA	NA	ND(0.0100)	NA
Zinc		NA	ND(0.0200)	NA	NA	NA	0.0399	NA
<b>Inorganics-Filtered</b>								
Aluminum		NA	NA	NA	NA	ND(0.100)	NA	NA
Cadmium		NA	NA	NA	NA	ND(0.00500)	NA	NA
Chromium		NA	NA	NA	NA	ND(0.0100)	NA	NA
Copper		NA	NA	NA	NA	ND(0.0200)	NA	NA
Lead		NA	NA	NA	NA	ND(0.00500)	NA	NA
Nickel		NA	NA	NA	NA	ND(0.0400)	NA	NA
Silver		NA	NA	NA	NA	ND(0.0100)	NA	NA
Zinc		NA	NA	NA	NA	0.0464	NA	NA
<b>Conventionals</b>								
Biological Oxygen Demand (5-day)		NA	NA	NA	NA	NA	NA	NA
Oil & Grease		NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids		NA	NA	NA	NA	NA	NA	NA

TABLE A-2  
DATA RECEIVED DURING AUGUST 2007

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

Parameter	Sample ID: Date Collected:	A8424RCN-FLTR 08/10/07	A8424RTM 08/10/07	AUG07WK1 07/31/07	AUG07WK3 08/13/07	AUG07WK4 08/20/07	JUL07WK4 07/24/07
<b>PCBs-Unfiltered</b>							
Aroclor-1254		NA	NA	NA	NA	NA	NA
Aroclor-1260		NA	NA	NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA	NA	NA
<b>Semivolatile Organics</b>							
None Detected		NA	NA	NA	NA	NA	NA
<b>Inorganics-Unfiltered</b>							
Aluminum		NA	ND(0.100)	NA	NA	NA	NA
Cadmium		NA	ND(0.00500)	NA	NA	NA	NA
Calcium		NA	32.6	NA	NA	NA	NA
Chromium		NA	ND(0.0100)	NA	NA	NA	NA
Copper		NA	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)
Cyanide		ND(0.0100)	NA	NA	NA	NA	NA
Lead		NA	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Magnesium		NA	11.6	NA	NA	NA	NA
Nickel		NA	ND(0.0400)	NA	NA	NA	NA
Silver		NA	ND(0.0100)	NA	NA	NA	NA
Zinc		NA	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)
<b>Inorganics-Filtered</b>							
Aluminum		NA	NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA	NA
<b>Conventionals</b>							
Biological Oxygen Demand (5-day)		NA	NA	NA	NA	NA	NA
Oil & Grease		NA	NA	NA	NA	NA	NA
Total Suspended Solids		NA	NA	NA	NA	NA	NA

Notes:

1. Samples were collected by General Electric Company, and were submitted to Accutest Laboratories and Columbia Analytical Services, Inc. for analysis of 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.

**Attachment B**

NPDES Discharge  
Monitoring Reports  
July 2007

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

Form Approved  
OMB No. 2040-0004

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

Page 25

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

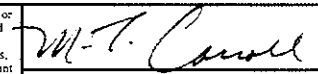
MA0003891	0051
PERMIT NUMBER	DISCHARGE NUMBER

DMR MAILING ZIP CODE: 01201  
MAJOR  
(SUBRW)  
WATERS TO HOUSATONIC RIVER  
External Outfall

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
07	07	01	TO	07	07	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
BOD, 5-day, 20 deg. C 00310 T 0 See Comments	SAMPLE MEASUREMENT	0	0	LBS/DY	*****	*****	*****		0	01/30	CP
	PERMIT REQUIREMENT	90 MO AVG	135 DAILY MX	lb/d	*****	*****	*****			Monthly	COMPOS
Solids, total suspended 00530 T 0 See Comments	SAMPLE MEASUREMENT	0	0	LBS/DY	*****	*****	*****		0	01/30	CP
	PERMIT REQUIREMENT	188 MO AVG	270 DAILY MX	lb/d	*****	*****	*****			Monthly	COMPOS
Oil & grease 00556 T 0 See Comments	SAMPLE MEASUREMENT	*****	0	LBS/DY	*****	*****	0	MG/L	0	01/07	GR
	PERMIT REQUIREMENT	*****	135 DAILY MX	lb/d	*****	*****	15 DAILY MX	mg/L		Weekly	GRAB
Polychlorinated biphenyls (PCBs) 39516 T 0 See Comments	SAMPLE MEASUREMENT	0	0	LBS/DY	*****	*****	*****		0	01/07	CP
	PERMIT REQUIREMENT	.01 MO AVG	.03 DAILY MX	lb/d	*****	*****	*****			Weekly	COMPOS
Flow, in conduit or thru treatment plant 50050 T 0 See Comments	SAMPLE MEASUREMENT	0.130	0.289	MGD	*****	*****	*****		0	99/99	RC
	PERMIT REQUIREMENT	2.09 MO AVG	2.09 DAILY MX	Mgal/d	*****	*****	*****			Continuous	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Michael T. Carroll Mgr. Pittsfield Remediation Prog. TYPED OR PRINTED	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			413	494-5902	2007	8	22
			AREA Code	NUMBER	YEAR	MO	DAY

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

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

Form Approved  
OMB No. 2040-0004

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

Page 34

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

MA0003891	064T
<b>PERMIT NUMBER</b>	<b>DISCHARGE NUMBER</b>

**DMR MAILING ZIP CODE:** 01201  
MAJOR  
(SUBRW)  
WASTEWATER TREATMENT (005)  
External Outfall

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	07	01		07	07	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH 00400 T 0 See Comments	SAMPLE MEASUREMENT	*****	*****		6.9	*****	7.9	SU	0	99/99	RCDR
	PERMIT REQUIREMENT	*****	*****		6 MINIMUM	*****	9 MAXIMUM	SU		Weekly	RANG-C
Dibenzofuran 81302 T 0 See Comments	SAMPLE MEASUREMENT	*****	*****		*****	NODI [2]	NODI [2]				
	PERMIT REQUIREMENT	*****	*****		*****	Req. Mon. MO AVG	Req. Mon. DAILY MX	ppt		Monthly	COMPOS

<b>NAME/TITLE PRINCIPAL EXECUTIVE OFFICER</b>  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.	<b>TELEPHONE</b>		<b>DATE</b>		
		413 <small>AREA Code</small>	494-5002 <small>NUMBER</small>	2007 <small>YEAR</small>	8 <small>MO</small>	22 <small>DAY</small>

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

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

Form Approved  
OMB No. 2040-0004

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

Page 33

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

MA0003891	064G
PERMIT NUMBER	DISCHARGE NUMBER

DMR MAILING ZIP CODE: 01201  
MAJOR  
(SUBRW)  
GROUNDWATER TREATMENT (005)  
External Outfall

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	07	01	TO	07	07	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH 00400 T 0 See Comments	SAMPLE MEASUREMENT	*****	*****		7.4	*****	7.5	SU	0	99/99	RCDR
	PERMIT REQUIREMENT	*****	*****		6 MINIMUM	*****	9 MAXIMUM	SU		Weekly	RANG-C
Base neutrals & acid (Method 625), total 76030 T 0 See Comments	SAMPLE MEASUREMENT	*****	*****		*****	NODI [9]	NODI [9]				
	PERMIT REQUIREMENT	*****	*****		*****	Req. Mon. MO AVG	Req. Mon. DAILY MX	mg/L		Quarterly	GRAB
Volatile compounds, (GC/MS) 78732 T 0 See Comments	SAMPLE MEASUREMENT	*****	*****		*****	NODI [9]	NODI [9]				
	PERMIT REQUIREMENT	*****	*****		*****	Req. Mon. MO AVG	Req. Mon. DAILY MX	mg/L		Quarterly	GRAB

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.	TELEPHONE		DATE		
		413	494-5902	2007	8	22
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA Code	NUMBER	YEAR	MO	DAY

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

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

Form Approved  
OMB No. 2040-0004

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

Page 26

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

MA0003891  
PERMIT NUMBER

0071  
DISCHARGE NUMBER

**DMR MAILING ZIP CODE:** 01201  
MAJOR  
(SUBRW)  
DISCHARGE TO HOUSATONIC RIVER  
External Outfall

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
07	07	01	07	07	31

No Discharge 

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. fahrenheit 00011 W 0 See Comments	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	70 MO AVG	75 DAILY MX	deg F		Monthly	GRAB
pH 00400 W 0 See Comments	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	6 MINIMUM	9 MAXIMUM	SU		Weekly	RANG-C
Polychlorinated biphenyls (PCBs) 39516 W 0 See Comments	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****		*****	Req. Mon. MO AVG	Req. Mon. DAILY MX	ppb		Quarterly	GRAB
Flow, in conduit or thru treatment plant 50050 W 0 See Comments	SAMPLE MEASUREMENT				*****	*****	*****				
	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	*****	*****	*****			Monthly	CALCTD

<b>NAME/TITLE PRINCIPAL EXECUTIVE OFFICER</b> 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.	TELEPHONE		DATE		
		413 AREA Code	404-5002 NUMBER	2007 YEAR	8 MO	22 DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
SAMPLE AT MANHOLE PRIOR TO CITY STORM DRAIN.

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

Form Approved  
OMB No. 2040-0004

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

Page 28

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

MA0003891  
PERMIT NUMBER


009A  
DISCHARGE NUMBER

**DMR MAILING ZIP CODE:** 01201  
MAJOR  
(SUBRW)  
09A SAMPLE POINT BEFORE 009  
External Outfall

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
07	07	01	07	07	31

No Discharge 

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
BOD, 5-day, 20 deg. C 00310 V 0 See Comments	SAMPLE MEASUREMENT				*****	*****	*****				
	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	lb/d	*****	*****	*****			Weekly	COMPOS
Solids, total suspended 00530 V 0 See Comments	SAMPLE MEASUREMENT				*****	*****	*****				
	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	lb/d	*****	*****	*****			Weekly	COMPOS
Flow, in conduit or thru treatment plant 50050 V 0 See Comments	SAMPLE MEASUREMENT				*****	*****	*****				
	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	*****	*****	*****			Continuous	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <b>Michael T. Carroll</b> 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.		TELEPHONE		DATE		
			413	494-5902	2007	8	22
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			AREA Code	NUMBER	YEAR	MO	DAY

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



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

Form Approved  
OMB No. 2040-0004

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

Page 31

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

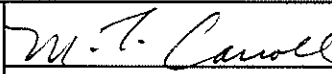
MA0003891	009B
PERMIT NUMBER	DISCHARGE NUMBER

**DMR MAILING ZIP CODE:** 01201  
MAJOR  
(SUBRW)  
09B SAMPLE POINT PRIOR TO 009  
External Outfall

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
07	07	01	07	07	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
BOD, 5-day, 20 deg. C 00310 V 0 See Comments	SAMPLE MEASUREMENT	1.27	5.09	LBS/DY	*****	*****	*****		0	01/07	CP
	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	lb/d	*****	*****	*****			Weekly	COMPOS
Solids, total suspended 00530 V 0 See Comments	SAMPLE MEASUREMENT	0.16	0.58	LBS/DY	*****	*****	*****		0	01/07	CP
	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	lb/d	*****	*****	*****			Weekly	COMPOS
Flow, in conduit or thru treatment plant 50050 V 0 See Comments	SAMPLE MEASUREMENT	0.066	0.620	MGD	*****	*****	*****		0	99/99	RC
	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	*****	*****	*****			Continuous	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <b>Michael T. Carroll</b> Mgr. Pittsfield Remediation Prog. TYPED OR PRINTED	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			413	494-5902	2007	8	22
			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.

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

Form Approved  
OMB No. 2040-0004

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

Page 27

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

MA0003891  
PERMIT NUMBER


0091  
DISCHARGE NUMBER

**DMR MAILING ZIP CODE:** 01201  
MAJOR  
(SUBRW)  
PROCESSES TO UNKAMET BROOK  
External Outfall

MONITORING PERIOD						
YEAR	MO	DAY	YEAR	MO	DAY	
07	07	01	TO	07	07	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
BOD, 5-day, 20 deg. C 00310 V 0 See Comments	SAMPLE MEASUREMENT	1.272	5.09	LBS/DY	*****	*****	*****		0	01/07	CP
	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	lb/d	*****	*****	*****			Weekly	COMPOS
pH 00400 V 0 See Comments	SAMPLE MEASUREMENT	*****	*****		6.8	*****	7.3	SU	0	01/07	GR
	PERMIT REQUIREMENT	*****	*****		6 MINIMUM	*****	9 MAXIMUM	SU		Weekly	RANG-C
Solids, total suspended 00530 V 0 See Comments	SAMPLE MEASUREMENT	0.2	0.6	LBS/DY	*****	*****	*****		0	01/07	CP
	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	lb/d	*****	*****	*****			Weekly	COMPOS
Oil & grease 00556 V 0 See Comments	SAMPLE MEASUREMENT	*****	0	LBS/DY	*****	*****	0	MG/L	0	01/07	GR
	PERMIT REQUIREMENT	*****	438 DAILY MX	lb/d	*****	*****	15 DAILY MX	mg/L		Weekly	GRAB
Polychlorinated biphenyls (PCBs) 39516 V 0 See Comments	SAMPLE MEASUREMENT	*****	*****		*****	NODI [9]	NODI [9]				
	PERMIT REQUIREMENT	*****	*****		*****	Req. Mon. MO AVG	Req. Mon. DAILY MX	mg/L		Quarterly	GRAB
Flow, in conduit or thru treatment plant 50050 V 0 See Comments	SAMPLE MEASUREMENT	0.066	0.620	MGD	*****	*****	*****		0	99/99	RC
	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	*****	*****	*****			Continuous	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <b>Michael T. Carroll</b> Mgr. Pittsfield Remediation Prog. TYPED OR PRINTED	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			AREA Code	NUMBER	YEAR	MO	DAY
			413	494-5902	2007	8	22

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.

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

Form Approved  
OMB No. 2040-0004

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

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

MA0003891  
PERMIT NUMBER

SUMA  
DISCHARGE NUMBER

**DMR MAILING ZIP CODE:** 01201  
MAJOR  
(SUBRW)  
METALS:001,004,005,007,009,011  
External Outfall

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
07	07	01	07	07	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Phosphorus, total (as P) 00665 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	0	LBS/DY	*****	*****	*****		0	03/30	CP
	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	lb/d	*****	*****	*****			Monthly	COMPOS
Nickel, total recoverable 01074 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	0	LBS/DY	*****	*****	*****		0	03/30	CP
	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	lb/d	*****	*****	*****			Monthly	COMPOS
Silver total recoverable 01079 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	0	LBS/DY	*****	*****	*****		0	03/30	CP
	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	lb/d	*****	*****	*****			Monthly	COMPOS
Zinc, total recoverable 01094 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	0.03	LBS/DY	*****	*****	*****		0	02/07	CP
	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	lb/d	*****	*****	*****			Weekly	COMPOS
Aluminum, total (as Al) 01105 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	0	LBS/DY	*****	*****	*****		0	03/30	CP
	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	lb/d	*****	*****	*****			Monthly	COMPOS
Cadmium, total recoverable 01113 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	0	LBS/DY	*****	*****	*****		0	03/30	CP
	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	lb/d	*****	*****	*****			Monthly	COMPOS
Lead, total recoverable 01114 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	0	LBS/DY	*****	*****	*****		0	02/07	CP
	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	lb/d	*****	*****	*****			Weekly	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <b>Michael T. Carroll</b> 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.	TELEPHONE		DATE		
		413	494-5902	2007	8	22
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>M. T. Carroll</i>		AREA Code	NUMBER	YEAR	MO	DAY

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

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

Form Approved  
OMB No. 2040-0004

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

Page 30

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

MA0003891  
PERMIT NUMBER

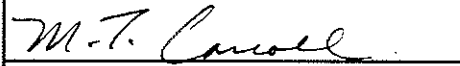
SUMA  
DISCHARGE NUMBER

DMR MAILING ZIP CODE: 01201  
MAJOR  
(SUBRW)  
METALS: 001,004,005,007,009,011  
External Outfall

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	07	01		07	07	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Chromium, total recoverable 01118 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	0	LBS/DY	*****	*****	*****		0	03/30	CP
	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	lb/d	*****	*****	*****			Monthly	COMPOS
Copper, total recoverable 01119 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	0	LBS/DY	*****	*****	*****		0	02/07	CP
	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	lb/d	*****	*****	*****			Weekly	COMPOS
Cyanide, total recoverable 78248 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	0.05	LBS/DY	*****	*****	*****		0	03/30	CP
	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	lb/d	*****	*****	*****			Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <b>Michael T. Carroll</b> 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.		TELEPHONE		DATE		
			413	494-5902	2007	8	22
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.

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

Form Approved  
OMB No. 2040-0004

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

Page 32

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

MA0003891  
PERMIT NUMBER

SUMB  
DISCHARGE NUMBER

DMR MAILING ZIP CODE: 01201  
MAJOR  
(SUBRW)  
TOXICS: 001,004,005,007,009,011  
External Outfall

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	07	01		07	07	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Noel Static 7Day Chronic Ceriodaphnia	SAMPLE MEASUREMENT	*****	*****		NODI [9]	*****	*****				
TBD3B 10 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Mon. DAILY MN	*****	*****	%		Monthly	COMPOS
Noael Static 48Hr Acute Ceriodaphnia	SAMPLE MEASUREMENT	*****	*****			*****	*****				
TDA3B 10 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Mon. DAILY MN	*****	*****	%		Monthly	COMPOS
Noael Statre 48Hr Acute D. Pulex	SAMPLE MEASUREMENT	*****	*****			*****	*****				
TDM3D 10 Effluent Gross	PERMIT REQUIREMENT	*****	*****		35 DAILY MN	*****	*****	%		Monthly	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Michael T. Carroll Mgr. Pittsfield Remediation Prog. TYPED OR PRINTED	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE		
		413	494-5902	2007	8	22
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA Code	NUMBER	YEAR	MO	DAY

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

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

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

Form Approved  
OMB No. 2040-0004

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

Page 21

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

MA0003891  
PERMIT NUMBER

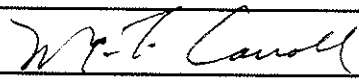
SUMC  
DISCHARGE NUMBER

**DMR MAILING ZIP CODE:** 01201  
MAJOR  
(SUBRW)  
TOXICS:001,004,005,007,009,011  
External Outfall

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

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Noael Statre 48Hr Acute D. Pulex	SAMPLE MEASUREMENT	*****	*****		100	*****	*****	%	0	01/30	CP
TDM3D 10 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Mon. DAILY MN	*****	*****	%		Quarterly	COMPOS

<b>NAME/TITLE PRINCIPAL EXECUTIVE OFFICER</b> 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.	<b>TELEPHONE</b> 413 494-5902		<b>DATE</b> 2007 8 22		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	AREA Code	NUMBER	YEAR	MO

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

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

**Attachment C**

NPDES Biomonitoring Report  
August 2007

September 6, 2007

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

Re: NPDES Biomonitoring Report for August 2007  
Submission #: R2738799

Dear Mr. Nicholson:

Enclosed is our report on the Acute Whole Effluent Toxicity testing conducted in August 2007. The Outfall Composite samples were collected on 8/6/07 at 10:50 am. The Housatonic River samples were collected on 8/6/07 at 9:10 am. The Outfall Composite and Housatonic River samples were analyzed at Columbia Analytical Services for total cyanide, ammonia, total organic carbon, total phosphorus, chloride, total solids, total suspended solids, total residual chlorine, and total metals. Dissolved metals were analyzed for only on the Outfall Composite samples. Results are presented in Appendix 2. The Outfall Composite and Housatonic River samples were sent directly by General Electric to Aquatec Biological Services for the acute aquatic toxicity testing including the analysis of alkalinity, hardness, specific conductance, and pH. Results are presented in Appendix 1.

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

Thank you for allowing us to provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES



Carlton Beechler  
Project Manager

enc.

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



# **NPDES BIOMONITORING REPORT**

**GENERAL ELECTRIC COMPANY**

**Pittsfield, MA**

**NPDES PERMIT MA 0003891**

**Monthly Acute Toxicity Monitoring**

**Dry Weather Conditions**

**August 2007**

## **WHOLE EFFLUENT TOXICITY TEST REPORT CERTIFICATION**

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

Executed on

\_\_\_\_\_ (Date)

\_\_\_\_\_ (Authorized Signature)

Michael T. Carroll

General Electric Co. – Pittsfield, MA  
Permit MA0003891

**Prepared by: Carlton R. Beechler**  
**September 6, 2007**

## TABLE OF CONTENTS

	<u>PAGE</u>
I. Summary	1
II. Review of Toxicity Analytical Results	2
III. Review of Wastewater Sampling Procedures	3
IV. Review of Individual Discharges	5

### Table I – Summary of Analytical Test Results

#### Appendices:

1. Chemical and Acute Toxicity Data from Aquatec Biological Sciences
2. Laboratory Reports from Columbia Analytical Services, Inc. and O'Brien & Gere, Inc.
3. Chain of Custody Forms

## I. Summary

On August 5-6, 2007 sampling of wastewater discharges from the General Electric Company facility in Pittsfield MA was conducted in accordance with the dry weather toxicity testing requirement of the GE NPDES Permit MA0003891. Composite samples were collected from GE outfalls 001, 005-64T, 005-64G and 09B over a 24-hour period. These composite samples were combined in a flow-proportioned manner to generate a single wastewater sample that was shipped to Aquatec Biological Sciences in Williston, Vermont. A grab sample of Housatonic River water, to be used as dilution water in the toxicity test, was collected upstream of the GE discharges on August 6, 2007 and shipped to AquaTec along with the wastewater composite. AquaTec dechlorinated the composite sample prior to the acute toxicity test following the toxicity reduction procedures summarized in a letter dated November 11, 1993 to EPA Region I from JG Ruebesam of General Electric Company. The composite wastewater sample and the dilution water sample were tested for chemical constituents by O'Brien & Gere, Inc. and Columbia Analytical Services. The analytical results are summarized in Table I and the detailed laboratory test data are include as Appendices to this report. As a result of land transfer documents executed on April 27, 2005 and recorded in the Berkshire County Registry of Deeds on May 2, 2005, Outfalls 001 and 004 were transferred to the Pittsfield Economic Development Authority (PEDA). Outfalls 001 and 004 DMRs will no longer be submitted under the GE NPDES Permit No. MA0003891. However, GE's NPDES Permit requires that the metal and toxicity composites to be made by compositing samples from the following outfalls: 001, 004, 005, 007, and 009. These two composites will continue to include an aliquot of water from outfall 001 and outfall 004, and will be reported on GE's DMR until further actions by the Agencies.

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

## II. Review of Toxicity Test Results

The wastewater discharge sample collected on August 5-6, 2007 was tested for 48-hour acute toxicity using *Daphnia pulex* organisms. The sample did not require dechlorination with sodium thiosulfate ( $\text{Na}_2\text{S}_2\text{O}_3$ ) prior to toxicity testing. Aquatec Biological Sciences reported the results of this toxicity testing as follows:

Effluent toxicity as NOAEL =	100%
Effluent toxicity as $\text{LC}_{50}$ =	>100%

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

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

<u>Control Analysis</u>	<u>Result</u>
Survival in 100% dilution water	96%
Survival in laboratory water	96%
Survival in laboratory water with 100 mg/L sodium thiosulfate	100%
$\text{LC}_{50}$ for <i>Daphnia pulex</i> in sodium chloride reference toxicant solution	3.824g NaCl/L August 7, 2007

The *Daphnia* survival rates in control solutions of upstream dilution water, laboratory water and reference toxicant solution were within acceptable limits, indicating that the results of the toxicity test are valid.

### III. Review of Wastewater Sampling Procedures

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

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

Each automatic sampler (at outfall 001, 64T, 64G, and 09B) was programmed to collect approximately 7 liters of wastewater into a 10-liter glass container in a time-proportioned manner over a 24-hour period. Outfalls 004, 007, and 09A have been plugged and no longer flow.

All sample containers were packed in ice or refrigerated to keep the wastewater samples cold during the 24-hour collection period.

Flow meter readings were taken at the beginning and end of the 24-hour collection period to determine the total 24-hour flow for each wastewater discharge.

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

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

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

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

#### IV. Review of Individual NPDES Discharges

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

1. Outfall 001 is permitted to discharge storm water runoff from the oil/water separator in Building 31W to Silver Lake.
2. Outfall 004 is permitted to discharge storm water runoff to Silver Lake. (**Outfall plugged**)
3. Outfall 005 is permitted to discharge contact cooling water, non-contact cooling water, treated process water and storm water runoff from the Wastewater Treatment Plant in Building 64T, and treated groundwater from the Groundwater Treatment Plant in Building 64G to the Housatonic River. Monitoring samples are collected separately from the effluents of 64G and 64T. Both samples are included in the flow composite sample used for toxicity testing.
4. Outfall 007 is permitted to discharge stormwater runoff to the Housatonic River. (**Outfall plugged**)
5. Outfall 09A is permitted to discharge non-contact cooling water and stormwater runoff to Unkamet Brook. (**Outfall plugged**)
6. Outfall 09B is permitted to discharge non-contact cooling water, treated process water and stormwater runoff from the oil/water separator in Building 119W to Unkamet Brook.

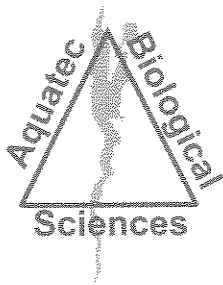




## **APPENDIX 1**

Chemical and Acute Toxicity Data

Aquatec Biological Sciences



# Aquatec Biological Sciences



Ecology



Environmental  
Toxicology



Natural Resource  
Assessments



Microbiology

September 5, 2007

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

Dear Mr. Beechler:

Enclosed please find one bound and one unbound copies of our report of the results for whole effluent toxicity testing of samples received from GE Pittsfield, Massachusetts on August 6, 2007.

According to the Chain-of-Custody documentation the samples for Whole Effluent Toxicity (WET) Testing were collected on August 6, 2007. The samples were transported to Aquatec Biological Sciences, Inc. by courier and delivered on the same day. The effluent sample (Sample 35897) was logged in for the acute 48-hour static toxicity test with *Daphnia pulex*. The receiving water sample (Sample 35898) was logged in for dilution water. A sub-sample of each sample was checked for residual chlorine and for alkalinity and hardness measurements at Aquatec Biological Sciences, Inc. The toxicity test was started on August 7, 2007, within the specified holding time.

At the conclusion of the toxicity test on August 9, 2007, a final count of surviving organisms was completed. The average survival was 92 - 100 percent in all test concentrations. Acute toxicity was not detected, and the 48-hour LC50 was reported as >100% effluent (Section 4.1 of the report).

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

Sincerely,

  
John Williams  
Manager, Environmental Toxicology

This report consists of the following numbered pages:

1 - 34

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

Samples Collected in August 2007

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

SDG number: 10585

Effluent ID: Outfall Composite A8408C Aquatec sample number: 35897

Receiving water ID: Housatonic River A8409R Aquatec sample number: 35898

Study Director: John Williams

August 31, 2007

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

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

### Signatures and Approval

**Submitted by:**

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



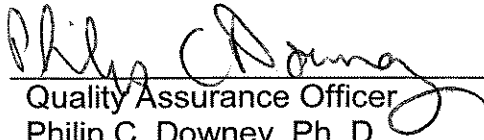
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Study Director  
John Williams

9/5/07

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Date



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

9/5/07

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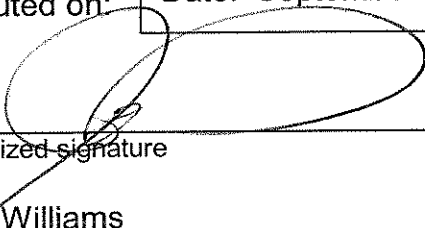
Date

## Whole Effluent Toxicity Test Report Certification

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

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

Executed on: Date: September 5, 2007

  
\_\_\_\_\_  
Authorized signature

John Williams  
\_\_\_\_\_  
Name

Manager, Environmental Toxicology  
\_\_\_\_\_  
Title

Aquatec Biological Sciences, Inc.  
\_\_\_\_\_  
Laboratory



Certificate # 1737

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**Summary  
of  
Static Acute Toxicity Test with *Daphnia pulex***

---

Sponsor: General Electric

Protocol title: US EPA-821-R-02-012. *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, 5<sup>th</sup> Ed., December 2002. Method 2021.0

Aquatec SDG: 10585

Test material: Composite effluent from the General Electric Company located in Pittsfield, Massachusetts

GE sample ID: OUTFALL COMPOSITE A8408C

Dilution water: Water from the Housatonic River (grab sample)

GE sample ID: HOUSATONIC RIVER A8409R

Dates collected: August 6, 2007

Date received: August 6, 2007

Test dates: August 7-9, 2007

Test concentrations: 100%, 75%, 50%, 35%, 15%, 5% effluent.  
Dilution water control (Housatonic River A8409R)  
Laboratory control 1 (culture water)  
Laboratory control 2 (culture water with sodium thiosulfate)

Results: The 48-hour LC50 value was determined to be >100% effluent. The Acute No-Observed-Effect-Concentration (A-NOEC) was 100% effluent.

---



## 1.0 Introduction

### 1.1 Background

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

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

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

### 1.2 Objective of the General Electric Study

The objective of this study was to measure the acute toxicity of the composite wastewater discharged by the General Electric facility located in Pittsfield, Massachusetts to the Housatonic River. The water flea, *Daphnia pulex*, is exposed to effluent and dilutions of effluent under static conditions. *Daphnia pulex* is routinely used by regulatory agencies and by contract laboratories for toxicity testing and EPA has published guidance documents for the performance of this test (U.S. EPA, 2002).

A toxicity test was conducted from August 7-9, 2007 at Aquatec Biological Sciences, Inc. (Aquatec) located in Williston Vermont. Aquatec Biological Sciences, Inc. holds NELAC accreditation for the requested whole effluent toxicity test. All original raw data and the final report produced for this study are stored in Aquatec's archives in Williston, Vermont.

## 2.0 Materials and Methods

### 2.1 Protocol

Procedures used in this acute toxicity test followed those described in the Aquatec Standard Operating Procedure (SOP) TOX2-001, Daphnid Acute R5, July 4, 2006. This SOP generally follows the standard methodology presented in U.S. EPA. 2002 (EPA-821-R-02-012). *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, 5<sup>th</sup> Ed.,

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

Additional SOPs used in this study are outlined below:

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

## 2.2 Effluent and Receiving Water Samples

The effluent sample (Outfall Composite A8408C) was collected by GE personnel on August 6, 2007. The receiving water sample (Housatonic River A8409R) was a grab collected from the Housatonic River on August 6, 2007. Samples were delivered to Aquatec on the same day. Upon receipt at Aquatec on August 6, 2007, the temperature of the temperature blank contained within the cooler was 6.5°C. The effluent and receiving water were prepared for testing and characterized (Table 1). The receiving water was the dilution water for preparing effluent concentrations and was also the reference control for statistical comparisons.

## 2.3 Control water

Laboratory control water for the toxicity test was a 1:1 mixture of laboratory reconstituted moderately hard water and 60-micron filtered river water collected from the Lamoille River, Vermont. This water was characterized for the following parameters: pH (7.4); dissolved oxygen (8.2 mg/L); conductivity (215 uS/cm). An additional dechlorination control (laboratory water with 0.2 N sodium thiosulfate added) was included in the test array, even though chlorine was not detected in the effluent sample.

## 2.4 Test Organism

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

Parameter	Result
Total hardness (mg/L)	Within range of 80-110 mg/L
Alkalinity (mg/L as CaCO <sub>3</sub> )	Within range of 60-70 mg/L
pH	Nominal 7.7 – 8.0

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

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

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

## 2.5 Test Procedures

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

The toxicity test was conducted at effluent concentrations of 100%, 75%, 50%, 35%, 15%, and 5% effluent. Test concentrations were prepared by diluting the appropriate volume of effluent with dilution water to a total volume of 400 mL. Test solutions were then decanted to five replicate 30-mL cups per concentration, each containing approximately 20 mL of test solution. Three sets of control replicates were also included in the test array, set up as the effluent replicates. The controls included: Housatonic River water (dilution control), a laboratory control (a mix of moderately hard water and Lamoille River, VT water), and a laboratory control with sodium thiosulfate added (dechlorination control). The dechlorination control was included in the test array even though residual chlorine was not detected in the effluent.

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

## 2.6 Test Monitoring

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

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

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

### **2.7 Reference Toxicant Test**

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

## **3.0 Statistics**

### **3.1 Statistical protocol**

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

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

## **4.0 Results**

### **4.1 Effluent Toxicity Test**

Results of effluent and receiving water characterizations performed at Aquatec as part of the toxicity test are presented in Table 1. Water quality parameters measured during the toxicity test are presented in Table 2. Measured temperatures during the test were within the range of 19°C to 20.8°C. The percent mortality data for the toxicity test are presented in Table 3. Acute toxicity

was not demonstrated during this evaluation. The 48-hour LC50 value was >100% effluent. The A-NOEC was 100% effluent.

#### **4.2 Reference Toxicant Test**

A standard reference toxicant (SRT) test was performed concurrently with the effluent toxicity test, using the same batch of daphnid neonates. The resulting 48-hour LC50, calculated by the Spearman-Kärber method, was 3.824 g NaCl/L with 95% confidence intervals of 3.42-4.27 g/L. This LC50 value was within the Control Chart limits generated for tests in our laboratory.

## **5.0 Qualifiers**

### **5.1 Qualifiers and Special Conditions**

To the best of our knowledge, there are no special conditions or qualifiers that apply to the reported toxicity test.

## **References**

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

U.S. Environmental Protection Agency, 2002. 5<sup>th</sup> Edition. *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*. EPA-821-R-02-012.

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

<b>Parameter</b>	<b>Effluent OUTFALL COMPOSITE A8408C</b>	<b>Housatonic River A8409R HOUSATONIC RIVER A8409R</b>
Temperature	20.8	20.2
pH	7.9	7.4
Alkalinity (as CaCO <sub>3</sub> ), mg/L	344	136
Hardness (as CaCO <sub>3</sub> ), mg/L	376	170
Dissolved oxygen, mg/L	8.6	8.7
Specific conductivity, uS/cm	1229	374
Salinity (‰)	0	0
Total residual chlorine (mg/L)	ND	ND

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

**Table 2. Water quality measurements recorded during the 48-hour static toxicity test with *Daphnia pulex* exposed to General Electric Pittsfield Plant effluent, August 7-9, 2007.**

Test Concentration (% effluent)	pH			Dissolved Oxygen (mg/L)			Temperature (°C)		
	0	24	48	0	24	48	0	24	48
<b>Dechl. Control</b>	7.4	-	7.3	8.4	-	8.8	19.0	19.7	19.1
<b>Lab Control</b>	7.4	-	7.3	8.2	-	8.9	19.0	19.3	19.6
<b>Dilution Control</b>	7.4	-	7.9	8.7	-	8.9	20.2	19.5	19.2
<b>5%</b>	7.4	-	8.0	8.8	-	8.9	20.5	19.5	19.2
<b>15%</b>	7.5	-	8.1	8.7	-	8.9	20.6	19.7	19.2
<b>35%</b>	7.7	-	8.2	8.7	-	8.9	20.7	19.6	19.2
<b>50%</b>	7.7	-	8.2	8.7	-	9.0	20.7	19.5	19.2
<b>75%</b>	7.8	-	8.1	8.7	-	9.0	20.8	19.5	19.1
<b>100%</b>	7.9	-	8.2	8.6	-	9.0	20.8	19.5	19.1

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

Dechl. Control = laboratory water with sodium thiosulfate added (dechlorination control).

Lab Control = a mix of natural river water and moderately hard water.

Dilution Control = receiving water (Housatonic River).

**Table 3. Cumulative percent mortalities recorded during the 48-hour static acute toxicity test with *Daphnia pulex* exposed to General Electric Pittsfield Plant effluent, August 7-9, 2007.**

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

**Dechl. Control = laboratory water with sodium thiosulfate added (dechlorination control).**

**Lab Control = a mix of natural river water and moderately hard water.**

**Dilution Control = receiving water (Housatonic River).**

**Percent mortality = (# dead/5) X 100**



## **Appendix 1**

# **Chain-of-Custody Documentation**

# Aquatec Biological Sciences Chain-of-Custody Record

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

COMPANY INFORMATION		COMPANY'S PROJECT INFORMATION				SHIPPING INFORMATION		VOLUME/CONTAINER TYPE/ PRESERVATIVE						
Name: General Electric Company		Project Name: GE PITTSFIELD		Carrier: <u>PRIMONY EXPRESS</u>		4°C	4°C	4°C	4°C	4°C	4°C			
Address: O'Brien & Gere 1000 East Street, Gate 64		Outfall Composite Project Number: 07003		Airbill Number:		—	—	—	—	—	—			
City/State/Zip: Pittsfield, MA 01201		Sampler Name(s): <u>SEAN C. COYLE</u>		Date Shipped: <u>8/6/07</u>		Plastic	Plastic	Plastic	Glass	Glass	Pla			
Telephone: (413) 494-6709		NPDES Permit #: MA0003891		Hand Delivered: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		—	—	—	—	—	—			
Facsimile: (413) 494-7052		Quote #: 10/05 Client Code: GEPITTS		ANALYSIS (detection limits, mg/L) <i>Daphnia pulex</i> 48-h Static Acute Toxicity (EPA Method 2021.0). Log in for A48DPS Total Residual Chlorine Dilution Water Total Residual Chlorine				1 L	40 ml	40 ml	0.1			
Contact Name: Sean Coyle		COLLECTION						GRAB	COMPOSITE	MATRIX	NUMBER OF CONTAINERS			
SAMPLE IDENTIFICATION	DATE	TIME	GRAB					COMPOSITE	MATRIX					
Outfall Composite A7840XC	8/6/07	10:50 AM						X	Effluent	1				
Outfall Composite A7840XC	8/6/07	10:50 AM						X	Effluent	1				
Housatonic River A7840XC	8/6/07	9:10 AM	X		Receiving	1								
Housatonic River A7840XC	8/6/07	9:10 AM	X		Receiving	1								
Relinquished by: (Signature) <i>Sean C. Coyle</i>		DATE	TIME	Received by: (Signature)		NOTES TO SAMPLER(S): (1): Complete the labels (Date, time, initials) and cover the labels with clear tape. Tape the caps of the sample bottles to ensure that they do not become dislodged during shipment. Nest the samples in sufficient ice to maintain 0°C ± 0.5°C. Results for samples received at temperatures exceeding 6°C will be qualified in report.  Notes to Lab: Ambient cooler temperature: 6.5°C. Dechlorinate the effluent sample if chlorine is detected. ① samples supplied w/ chrome box cooler.								
Relinquished by: (Signature)		DATE	TIME	Received by: (Signature)										
Relinquished by: (Signature)		DATE	TIME	Received by: (Signature)										

## **Appendix 2 Summary of Test Conditions**

**Test Description: Daphnid, *Daphnia pulex*, acute toxicity test**ASSOCIATED PROTOCOL: EPA 2002, 5<sup>th</sup> ed. (EPA-821-R-02-012) *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, Method 2002.0*

1. Test type:	Static, non-renewal
2. Test temperature:	20 ± 1°C
3. Light quality:	Ambient laboratory illumination
4. Photoperiod:	16 hr. light, 8 hr. dark
5. Test chamber size:	30 ml
6. Test solution volume:	25 ml / replicate
7. Renewal of test concentrations:	None
8. Age of test organisms:	Less than 24 h
9. No. organisms / test chamber:	5
10. No. of replicate chambers / concentration:	5
11. No. of organisms / concentration:	20
12. Feeding regime:	Feed 0.1 ml of YTC and algal suspension prior to testing. Not fed during test.
13. Cleaning:	None
14. Aeration:	None
15. Dilution water:	Receiving Water (Housatonic River)
16. Test concentrations:	5, 15, 35, 50, 75, 100%
17. Laboratory control:	1:1 mix of reconstituted moderately hard water and Lamoille River water. Dechlorination control.
18. Test duration:	48 h
19. Monitoring:	Day 0: temperature, DO, pH, and conductivity. Day 1: temperature. Day 2: temperature, DO, pH, and conductivity Hardness, alkalinity, salinity, TRC Biological monitoring daily (survival)
19. End points:	Survival
20. Reference toxicant test:	Sodium chloride 48-h LC50
21. Test acceptability	90% or greater
22. Data interpretation:	Acute: 48 h LC50 (Point estimate by EPA statistical flowchart using TOXIS 2) and A-NOEC by hypothesis test statistics compared to the receiving water control (EPA statistical flowchart using TOXIS 2)

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

**TOXICITY TEST SUMMARY SHEET**

Facility Name: Outfall Composite A8408C                      Test Start Date: 08/7/07

NPDES Permit Number: MA0003891                      Pipe Number: 001

Test Type	Test Species	Sample Type	Sampling Method
Acute	<i>Daphnia pulex</i>	EFFLUENT	Composite

Dilution Water: Housatonic River

Receiving Water: Housatonic River

Effluent Sampling Dates: August 6, 2007

Concentrations Tested: 0 5.0 15 35 50 75 100 Control Permit Limit: NA

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

With Sea Salts? NA      Hypersaline Brine Solution? NA

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

Reference Toxicant Date: 8/7/07

**PERMIT LIMITS AND TEST RESULTS**

Test Acceptability Criteria: Mean Control Survival: 96 (%)

	Limits (%)		Results (%)
<b>LC50</b>	NA	<b>48-Hour LC50</b>	<b>&gt;100</b>
		Upper Value	--
		Lower Value	--
		Data Analysis Method	Direct observation
<b>A-NOEC</b>	NA	<b>48-hour A-NOEC</b>	<b>100</b>
<b>C-NOEC</b>	NA	C-NOEC	--
		LOEC	--
IC25	NA	IC25	--
IC50	NA	IC50	--

NA: Not Applicable

## DETERMINATION OF THE NOAEC FROM A MULTI-EFFLUENT-CONCENTRATION ACUTE TOXICITY TEST

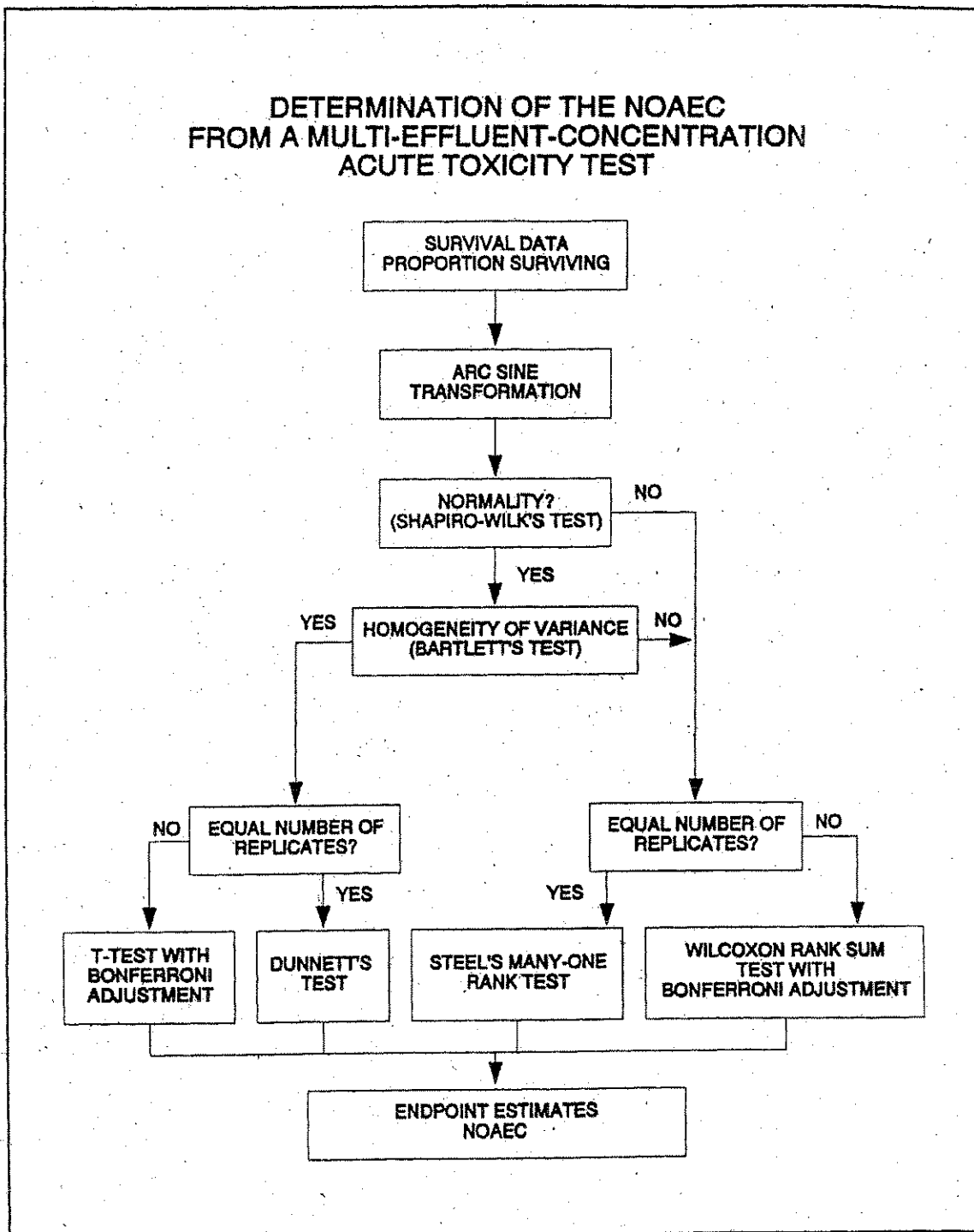


Figure 13. Flowchart for analysis of multi-effluent-concentration test data.

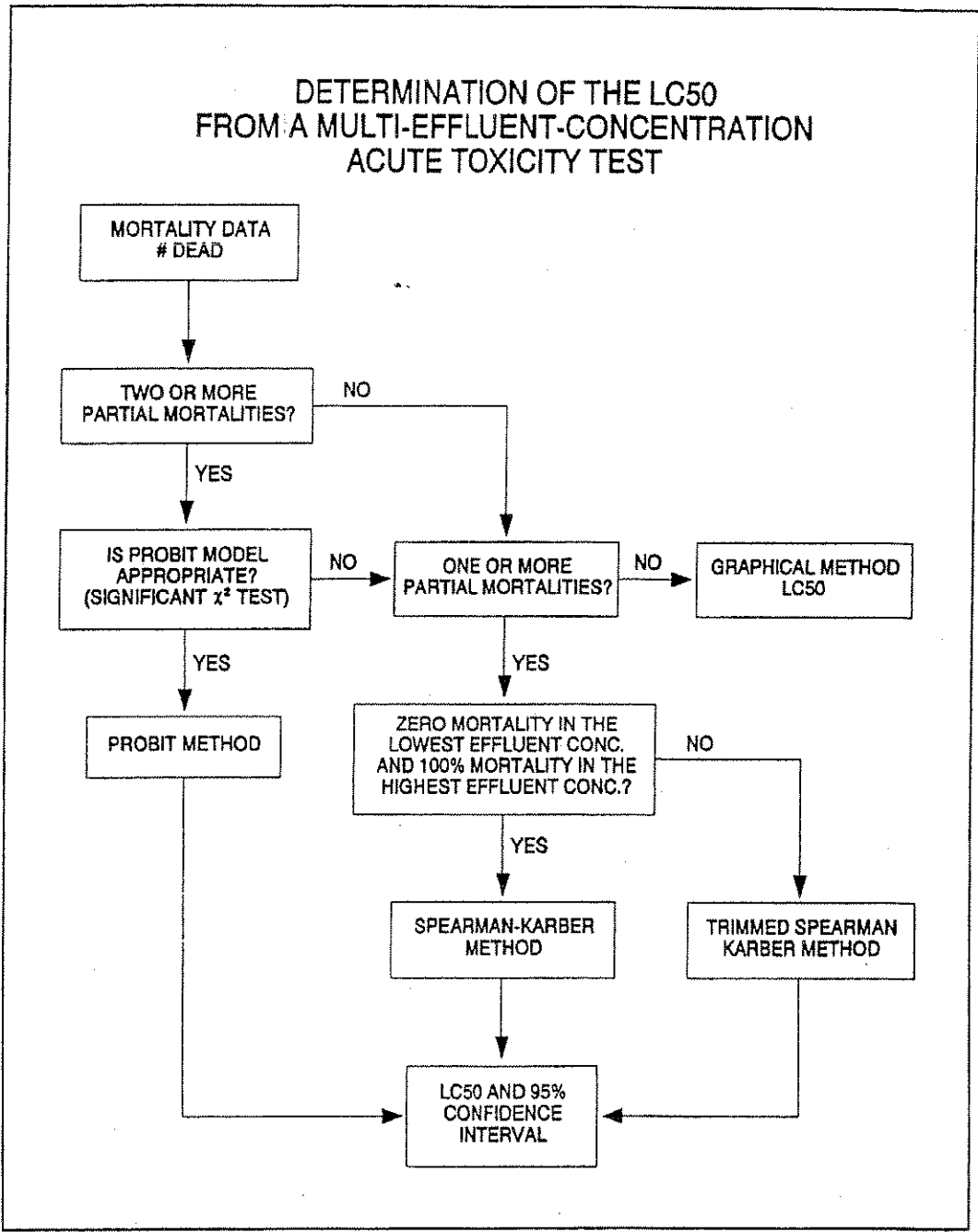


Figure 6. Flowchart for determination of the LC50 for multi-effluent-concentration acute toxicity tests.



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

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Aquatec Biological Sciences, Inc.

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Test Date: 8/07/07  
 Sample Date: 8/06/07  
 Species: Daphnia pulex  
 Test Type: Acute - 48 hours

Test Number: 54394  
 Test Material: Effluent - Industrial %  
 Source: MA0003891  
 General Electric Company  
 Pittsfield, MA

=====

SUMMARY

=====

End Point	Day	Transformation	Conc	#Reps	Mean	StDev	% Surv	
Proportion Alive	2	Arc sine sqrt w/ adj.						
			X	0.000 B	5	1.30	.106	
			X	0.000 D	5	1.30	.106	
			X	5.000 D	5	1.35	0.000	
			X	15.000 D	5	1.25	.130	
			X	35.000 D	5	1.35	0.000	
			X	50.000 D	5	1.35	0.000	
			X	75.000 D	5	1.35	0.000	
			X	100.000 D	5	1.35	0.000	
			Proportion Alive	2	No transformation			
	0.000 B	5				.96	.089	
	0.000 D	5				.96	.089	
	5.000 D	5				1.00	0.000	
	15.000 D	5				.92	.110	
	35.000 D	5				1.00	0.000	
	50.000 D	5				1.00	0.000	
	75.000 D	5				1.00	0.000	
	100.000 D	5				1.00	0.000	

X = indicates concentrations used in calculations

=====

- HYPOTHESIS TEST -

=====

End Point	Day	Transformation/Analysis	NOEC	LOEC	TU	MSE	MSD
Proportion Alive	2	Arc sine sqrt w/ adj.					
		Steel many-one rank test	>100.000	>100.000	< 1.00	.004	.058
Proportion Alive	2	Direct observation	48-h LC50	>100			

Aquatec Biological Sciences, Inc.

=====

WATER FLEA TEST DATA

=====

Test Number: 54394 ( ) Chronic (x) Acute 48 hours  
 Test Date: 7-Aug-07  
 Source: MA0003891 Test Material: EFF2 (%)

Conc	Rep	Cont. No. Sex	Start	Daily Survival						Prop Alive	Total Young	Max Young
				1	2	3	4	5	6 End			
0.00 B	1	F	5	5						1.00		
0.00 B	2	F	5	5						1.00		
0.00 B	3	F	5	5						1.00		
0.00 B	4	F	5	4						.80		
0.00 B	5	F	5	5						1.00		
0.00 D	1	F	5	5						1.00		
0.00 D	2	F	5	4						.80		
0.00 D	3	F	5	5						1.00		
0.00 D	4	F	5	5						1.00		
0.00 D	5	F	5	5						1.00		
5.00 D	1	F	5	5						1.00		
5.00 D	2	F	5	5						1.00		
5.00 D	3	F	5	5						1.00		
5.00 D	4	F	5	5						1.00		
5.00 D	5	F	5	5						1.00		
15.00 D	1	F	5	5						1.00		
15.00 D	2	F	5	5						1.00		
15.00 D	3	F	5	4						.80		
15.00 D	4	F	5	4						.80		
15.00 D	5	F	5	5						1.00		
35.00 D	1	F	5	5						1.00		
35.00 D	2	F	5	5						1.00		
35.00 D	3	F	5	5						1.00		
35.00 D	4	F	5	5						1.00		
35.00 D	5	F	5	5						1.00		
50.00 D	1	F	5	5						1.00		
50.00 D	2	F	5	5						1.00		
50.00 D	3	F	5	5						1.00		
50.00 D	4	F	5	5						1.00		
50.00 D	5	F	5	5						1.00		
75.00 D	1	F	5	5						1.00		
75.00 D	2	F	5	5						1.00		
75.00 D	3	F	5	5						1.00		
75.00 D	4	F	5	5						1.00		
75.00 D	5	F	5	5						1.00		
100.00 D	1	F	5	5						1.00		
100.00 D	2	F	5	5						1.00		
100.00 D	3	F	5	5						1.00		
100.00 D	4	F	5	5						1.00		
100.00 D	5	F	5	5						1.00		

*J 9/5/07*

Client: GENERAL ELECTRIC, PITTSFIELD, MA  
 MA0003891

Test #: 54394

SDG: 10585

Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test

SURVIVAL DATA, SAMPLE 35897

Treatment (%)	Day 0	Day 1 # Surviving	Day 2 # Surviving
Rec. A	5	5	5
Water B	5	4	4
Contr C	5	5	5
D	5	5	5
E	5	5	5
5.0 A	5	5	5
B	5	5	5
C	5	5	5
D	5	5	5
E	5	5	5
15 A	5	5	5
B	5	5	5
C	5	5	4
D	5	5	4
E	5	5	5
35 A	5	5	5
B	5	5	5
C	5	5	5
D	5	5	5
E	5	5	5
50 A	5	5	5
B	5	5	5
C	5	5	5
D	5	5	5
E	5	5	5
75 A	5	5	5
B	5	5	5
C	5	5	5
D	5	5	5
E	5	5	5
100 A	5	5	5
B	5	5	5
C	5	5	5
D	5	5	5
E	5	5	5
Sample #	35897		11:55
I/D/T	12:10 KR 8-7-07	12:10 KR 8-8-07	KR 8-9-07

Test Description: *Daphnia pulex* 48-h <sup>NOA-</sup> daily renewal acute toxicity test

**SURVIVAL DATA, LAB CONTROL AND DECHLORINATION CONTROL**

Treatment (%)	Day 0	Day 1 # Surviving	Day 2 # Surviving
Lab A	5	5	5
Contr B	5	5	5
1:1 C	5	5	5
LR / MHW D	5	4	4
E	5	5	5
Dechlor. A	5	5	5
Control B	5	5	5
C	5	5	5
D	5	5	5
E	5	5	5
	12:10 KK		11:55
I/D/T	8-7-07	12:10 JL 8/8	KK 8-9-07

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

### Daphnia pulex Culture Log

CULTURE ID	WATER RENEWAL? (Lot#)	FED (MWF Sel/YCT TuTh Sel)	CLEARED NEONATES? (TIME)	COLLECTED NEONATES? (TIME)	COMMENTS	Temp. (°C)	2007 DATE	INIT.
7/13A,B,C,D 7/13, MASS	✓ 71507MHW	Sel/YC	✓	—	Started 2 cultures from 7/13 MASS	20.6	7/20-07	JG
	71807MHW							
7/13 A,B,C,D MASS 713 7/20 A,B	✓ 71807 MHW	Sel	✓ 11:30			19.4	7/22	JC
7/13 A,B,C,D MASS 7120 A,B	✓	Sel/YC		8:50	Renewal only - 7/13 A,B,C,D	19.4	7/23	JC
7/13 A,B,C,D MASS 7113 7/20 A,B	—	Sel				20.1	7/24	JC
7/13 A,B,C,D MASS 7113 7/20 A,B	✓	Sel/YC	9:15			19.5	7/25	JC
7/13 A,B,C,D MASS 7113 7/20 A,B	—	Sel		10:30	Mass culture collected	19.4	7/26	JC
7/13A,B,C,D MASS 7/13+7/26 7/20 A+B	✓ 72307MHW	YC/Sel	✓	—		20.2°C	7-27	JG
7/13 A,B,C,D MASS 7/13+7/26 7/20 A+B	✓	YC/Sel	✓			18.0	7-30	JC
7/13 A+B MASS 7113 7/20 A+B	✓ 8/1 A,B,C,D	YC/Sel			8/1 A-D Started From MASS 7/26	19.4	8/1	JC
7/13 A+B, MASS 8/1 A,B,C,D 7/20 A+B	—	Sel				19.2	8/2	JC
7/13 A,B / 7-20 A,B,C 8/1 A,B,C,D	✓ 72807MHW	YC/Sel	✓	—		20.0	8/3	JG
⊥ A,B,C combined	✓	YC/Sel	✓ 13:20	13:20 KC		19.4	8/6	KK
7/13 A,B 7/20, 8/1 ABCD	—	Sel		10:10 KC	For Pittsburgh Dp	—	8/7	KK
7/13 A,B 7/20, 8/1 ABCD	✓	YC/Sel				19.7	8/8	JC

Selenastrum Lot# 71707Sel / 73107Sel YC Lot# 62107YC

Culture containers: 1L glass. Rinse with DI between uses. Once per month detergent wash beakers.  
 Culture medium = MHW or 1:1 MHW / LR water.  
 Stock a culture with ~30-50 adult *Daphnia*.

Replace the culture medium Monday, Wednesday, and Friday: Transfer ~200-400 mL of old culture water to a temporary beaker. Transfer the *Daphnia* to this container. Clean the old culture container and add back the *Daphnia* with new culture water.

Start a new mass culture every other Monday.  
 Feed them Monday, Wednesday and Friday 4.5 mL of YCT and 2-mL of *Selenastrum* concentrate.  
 Feed them on Tuesday and Thursday 2-mL of *Selenastrum* concentrate

On the day before testing: Transfer adult *Daphnia* to the beaker with fresh culture water, feed. Record the time of transfer (= clearing of neonates). Toxicity tests (with released neonates) must be started before 24 hours after the clearing time.

Culture ID = DP/DATE/A, B, etc.

Client: GENERAL ELECTRIC, PITTSFIELD, MA

Test #: 54394

SDG: 10585

MA0003891 OUTFALL 001

Non-J

Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test

Treatment (%)	Parameter	Day 0	Day 1	Day 2
Lab Contr 1:1 LR MHW ✓ LMR	pH	7.4	-	7.3
	DO	8.2	-	8.9
	Temp	19.0	19.3	19.6
	Cond.	215	-	223
Dechlorination Control	pH	7.4	-	7.3
	DO	8.4	-	8.8
	Temp	19.0	19.7	19.1
	Cond.	219	-	227
Rec. Water Contr	pH	7.4	-	7.9
	DO	8.7	-	8.9
	Temp	20.2	19.5	19.2
	Cond.	374	-	372
5.0	pH	7.4	-	8.0
	DO	8.8	-	8.9
	Temp	20.5	19.5	19.2
	Cond.	420	-	373 cc 418
15	pH	7.5	-	8.1
	DO	8.7	-	8.9
	Temp	20.6	19.7	19.2
	Cond.	510	-	418 cc 503
35	pH	7.7	-	8.2
	DO	8.7	-	8.9
	Temp	20.7	19.6	19.2
	Cond.	686	-	503 cc 660
50	pH	7.7	-	8.2
	DO	8.7	-	9.0
	Temp	20.7	19.5	19.2
	Cond.	814	-	660 cc 768
75	pH	7.8	-	8.1
	DO	8.7	-	9.0
	Temp	20.8	19.5	19.1
	Cond.	1023	-	768 cc 912
100	pH	7.9	-	8.2
	DO	8.6	-	9.0
	Temp	20.8	19.5	19.1
	Cond.	1229	-	1070
Sample #		35897	35897	35897
I/D (2007)		KE 8/7	KE 8/8	KE 8/9

# Alkalinity and Hardness Worksheet

Sample Identifier	LIMS Identifier	Sub ID Code	Sampling Date	Sample Volume	Alkalinity			Hardness					
					Initial Titrant (ml)	Final Titrant (ml)	Analysis Date	Analyst	Alkalinity	Initial Titrant (ml)	Final Titrant (ml)	Analysis Date	Analyst
35897	Outfall composite A		8/7/07	25	11.2	19.8	8/7/07	344.0	25	17.8	27.2	8/7/07	376.0
35898	Housatonic River		8/7/07	25	19.8	23.2	8/7/07	136.0	50	27.2	35.7	8/7/07	170.0

9/5/07



## Sample Preparation

Client: GENERAL ELECTRIC, PITTSFIELD, MA MA0003891

SDG: 10585

Test Description: *Daphnia pulex* acute toxicity test.

Test #: 54394

### Sample Identification:

Sample Description	Rec. Water (Housatonic River)	Effluent		
Sample #	35898	35897		

### Sample Preparation:

Filtration	60 micr on ✓	60 micron ✓	60 micron	60 micron
Chlorine <sup>1</sup>	ND	ND		
Dechlorine <sup>2</sup>	—	—		
Salinity <sup>(0/100)</sup>	0 ‰	0 ‰		
Prepared by (Init./date)	8.7.07	—		

<sup>1</sup> Record vol. 0.025 N sodium thiosulfate to dechlorinate 100 mL sample or record "ND" (not detected).

<sup>2</sup> Dechlorination required if detected. Record vol. 0.25 N sodium thiosulfate added per gallon effluent.

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

Receiving water is the dilution water

Lab Control = moderately hard water / Lamoille River 1:1 mix

Dechlorination Control = moderately hard water / Lamoille River 1:1 mix + sodium thiosulfate (0.1 mL of 0.25 N sodium thiosulfate per 1 L.)

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

### Comments:

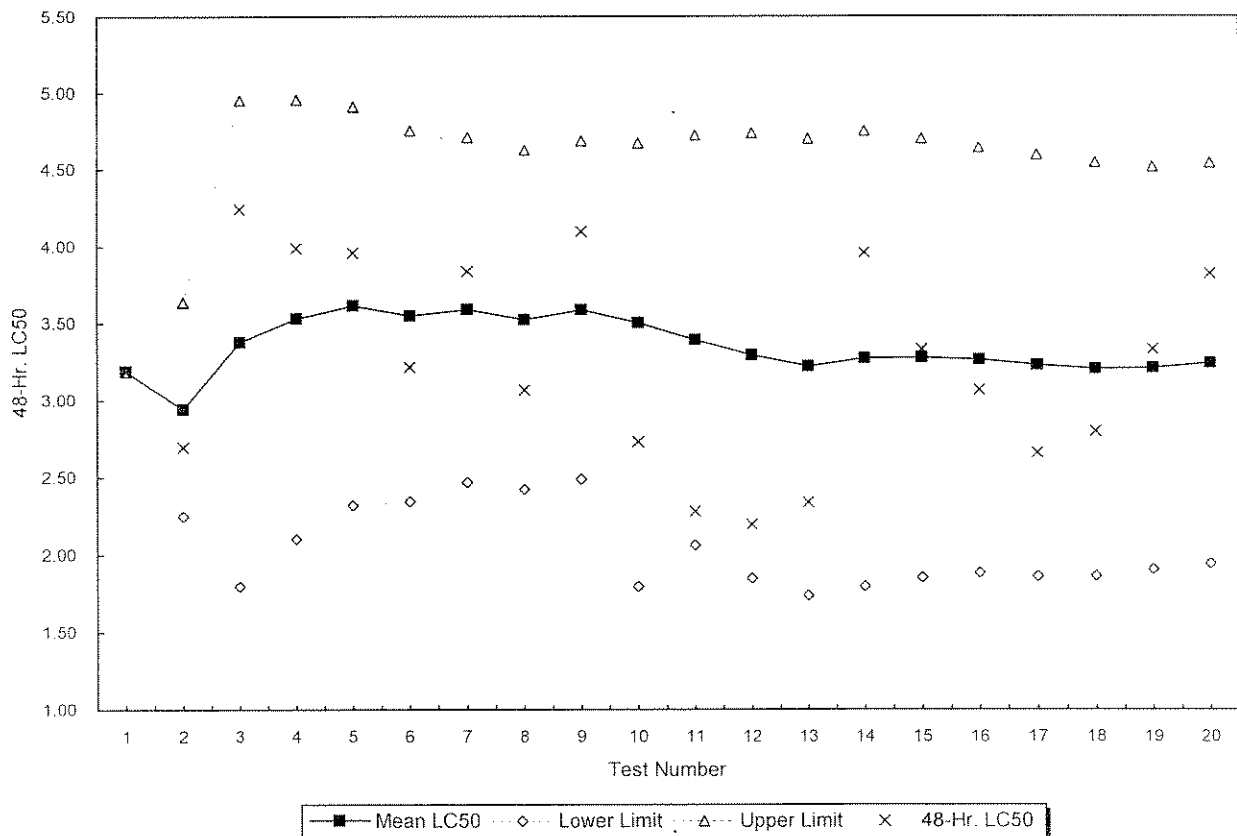
Collect alkalinity and hardness samples on each new effluent and receiving water sample.

# Reference Toxicant Control Chart

## *Daphnia pulex*

### in Sodium chloride (g/L)

Test Number	Test Date	Organism		48-Hr. LC50	Mean LC50	Lower Limit	Upper Limit	Organism Source
		Age (Days)						
1	02/08/06	1		3.189	3.19	3.19	3.19	Aquatec Biological Sciences
2	03/11/06	1		2.698	2.94	2.25	3.64	Aquatec Biological Sciences
3	04/06/06	1		4.243	3.38	1.80	4.96	Aquatec Biological Sciences
4	05/10/06	1		3.992	3.53	2.10	4.96	Aquatec Biological Sciences
5	06/07/06	1		3.959	3.62	2.32	4.91	Aquatec Biological Sciences
6	07/11/06	1		3.215	3.55	2.35	4.75	Aquatec Biological Sciences
7	08/08/06	1		3.839	3.59	2.47	4.71	Aquatec Biological Sciences
8	09/13/06	1		3.068	3.53	2.42	4.63	Aquatec Biological Sciences
9	10/11/06	1		4.098	3.59	2.49	4.69	Aquatec Biological Sciences
10	11/17/06	1		2.733	3.50	1.80	4.67	Aquatec Biological Sciences
11	12/13/06	1		2.281	3.39	2.06	4.72	Aquatec Biological Sciences
12	01/10/07	1		2.196	3.29	1.85	4.74	Aquatec Biological Sciences
13	02/07/07	1		2.34	3.22	1.74	4.70	Aquatec Biological Sciences
14	03/08/07	1		3.959	3.27	1.80	4.75	Aquatec Biological Sciences
15	04/18/07	1		3.329	3.28	1.85	4.70	Aquatec Biological Sciences
16	05/09/07	1		3.069	3.26	1.88	4.64	Aquatec Biological Sciences
17	06/26/07	1		2.661	3.23	1.86	4.59	Aquatec Biological Sciences
18	07/09/07	1		2.799	3.20	1.86	4.55	Aquatec Biological Sciences
19	07/10/07	1		3.329	3.21	1.91	4.52	Aquatic BioSystems
20	08/07/07	1		3.824	3.24	1.94	4.54	Aquatec Biological Sciences



qaqc\srts\Dp acute nacl recent

**Appendix 5**  
**Standard Reference Toxicant test Control Chart**

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

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

## **APPENDIX 2**

### **Laboratory Reports**

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

\* SPLIT SAMPLE

NPDES Sampling  
GE Pittsfield  
Toxicity pH

Date: August 6, 2007

\* Acute Dry   
Acute Wet   
\* Chronic  (Day ①, 2 or 3)

Effluent Composite

Sample # A8408C  
Date 8/6/07  
Time 10:50 AM  
pH 7.58 su

River/Dilution Water

Sample # A8409R  
Date 8/6/07  
Time 9:10 AM  
pH 7.54 su

C. Coyne 8/6/07  
Signed & Dated

COLUMBIA ANALYTICAL SERVICES

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8408C

---

Date Sampled : 08/06/07 10:50                      Order #: 1022406                      Sample Matrix: WATER  
Date Received: 08/07/07                      Submission #: R2738799

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE	TIME	DILUTION
					ANALYZED	ANALYZED	
AMMONIA	350.1M	0.0500	0.185	MG/L	08/09/07	13:31	1.0
CHLORIDE	SM4500-C	1.00	174	MG/L	08/13/07	12:50	2.0
TOTAL ALKALINITY	SM2320B	2.00	380	MG/L	08/09/07	10:10	1.0
TOTAL ORGANIC CARBON	SM5310C	1.00	6.27	MG/L	08/13/07	19:12	1.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0500 U	MG/L	08/14/07	16:03	1.0
TOTAL SOLIDS	SM2540B	10.0	684	MG/L	08/10/07	15:30	1.0
TOTAL SUSPENDED SOLIDS	SM2540D	1.00	1.00 U	MG/L	08/09/07	10:00	1.0

---

COLUMBIA ANALYTICAL SERVICES

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8408CCN

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Date Sampled : 08/06/07 10:50                      Order #: 1022425                      Sample Matrix: WATER  
Date Received: 08/07/07                      Submission #: R2738799

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0244	MG/L	08/13/07	10:39	1.0

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COLUMBIA ANALYTICAL SERVICES

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8408CCN-FLTR

Date Sampled : 08/06/07 10:50

Order #: 1022428

Sample Matrix: WATER

Date Received: 08/07/07

Submission #: R2738799

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	08/13/07	10:39	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8408CTM

Date Sampled : 08/06/07 10:50

Order #: 1022412

Sample Matrix: WATER

Date Received: 08/07/07

Submission #: R2738799

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	08/09/07	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	08/09/07	1.0
CALCIUM	200.7	1.00	96.4	MG/L	08/09/07	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	08/09/07	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	08/09/07	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	08/09/07	1.0
MAGNESIUM	200.7	1.00	39.2	MG/L	08/09/07	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	08/09/07	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	08/09/07	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	08/09/07	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8408CDM

Date Sampled : 08/06/07 10:50  
Date Received: 08/07/07

Order #: 1022409  
Submission #: R2738799

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	08/09/07	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	08/09/07	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	08/09/07	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	08/09/07	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	08/09/07	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	08/09/07	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	08/09/07	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	08/09/07	1.0

**COLUMBIA ANALYTICAL SERVICES**

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8409R

Date Sampled : 08/06/07 09:10

Order #: 1022403

Sample Matrix: WATER

Date Received: 08/07/07

Submission #: R2738799

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
AMMONIA	350.1M	0.0500	0.0500 U	MG/L	08/09/07	13:31	1.0
CHLORIDE	SM4500-C	1.00	20.9	MG/L	08/13/07	12:50	1.0
TOTAL ALKALINITY	SM2320B	2.00	156	MG/L	08/09/07	10:10	1.0
TOTAL ORGANIC CARBON	SM5310C	1.00	5.68	MG/L	08/13/07	18:34	1.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0500 U	MG/L	08/14/07	16:03	1.0
TOTAL SOLIDS	SM2540B	10.0	214	MG/L	08/10/07	15:30	1.0
TOTAL SUSPENDED SOLIDS	SM2540D	1.00	9.80	MG/L	08/09/07	10:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8409RCN

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Date Sampled : 08/06/07 09:10                      Order #: 1022418                      Sample Matrix: WATER  
Date Received: 08/07/07                      Submission #: R2738799

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	08/13/07	10:39	1.0

---

COLUMBIA ANALYTICAL SERVICES

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8409RCN-FLTR

---

Date Sampled : 08/06/07 09:10                      Order #: 1022421                      Sample Matrix: WATER  
Date Received: 08/07/07                      Submission #: R2738799

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	08/13/07	10:39	1.0

---

**COLUMBIA ANALYTICAL SERVICES**

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8409RTM

Date Sampled : 08/06/07 09:10

Order #: 1022415

Sample Matrix: WATER

Date Received: 08/07/07

Submission #: R2738799

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.110	MG/L	08/09/07	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	08/09/07	1.0
CALCIUM	200.7	1.00	41.1	MG/L	08/09/07	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	08/09/07	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	08/09/07	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	08/09/07	1.0
MAGNESIUM	200.7	1.00	14.5	MG/L	08/09/07	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	08/09/07	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	08/09/07	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	08/09/07	1.0

## **APPENDIX 3**

### **Chain of Custody Forms**





# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 2 OF 3

SR # \_\_\_\_\_  
CAS Contact \_\_\_\_\_

Project Name <b>NPDES PERMIT</b>		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)	
Project Manager <b>J. Nicholson</b>		Report CC		PRESERVATIVE	
Company/Address <b>G.E. CEP 159 PLASTICS AVE PITTSFIELD, MA. 01201</b>				PRELIMINARY ANALYSIS (List in comments below)	
Phone # <b>(413) 448-5915</b>		FAX # <b>(413) 448-5935</b>		METALS, TOTAL (EPA 2007) (List in comments below)	
Sampler's Signature <b>J. C. Coyne</b>		Sampler's Printed Name <b>SEAN C. COYNE</b>		METALS, DISSOLVED (EPA 2007) (List in comments below)	
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID		METALS, TOTAL (EPA 2007) (List in comments below)	
A2408CTM		1022412		METALS, DISSOLVED (EPA 2007) (List in comments below)	
A2409RTM		1022415		METALS, TOTAL (EPA 2007) (List in comments below)	
A2408CDM		1022409		METALS, DISSOLVED (EPA 2007) (List in comments below)	
A2408CCN		1022425		METALS, TOTAL (EPA 2007) (List in comments below)	
A2409RCN		1022418		METALS, DISSOLVED (EPA 2007) (List in comments below)	
A2408CCNQ		1022425		METALS, TOTAL (EPA 2007) (List in comments below)	
A2408CCNQ-FLTR		1022428		METALS, DISSOLVED (EPA 2007) (List in comments below)	
A2408CCNQ-FLTR		1022428		METALS, TOTAL (EPA 2007) (List in comments below)	
A2409RCN-FLTR		1022424		METALS, DISSOLVED (EPA 2007) (List in comments below)	
SPECIAL INSTRUCTIONS/COMMENTS <b>Metals TOTAL METALS (10) &amp; DISSOLVED METALS (8) &amp; 1760 LISTED ON SAMPLE BOTTLES ① 260 ml OF SAMPLE FILTERED THROUGH PAD - AUG 2007 CHRONIC TOX. DAY 1 &amp; DAY ACCENTS TOX. (SPRT SAMPLE) - TOX. COMP. &amp; TOX. RN SNEETS INCL. W/ COC(S) - SAMPLES PACKED IN ICE See OAPP <input type="checkbox"/></b>		TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) <input checked="" type="checkbox"/> 24 hr 48 hr 5 day STANDARD REQUESTED FAX DATE _____ REQUESTED REPORT DATE _____		REPORT REQUIREMENTS I. Results Only _____ II. Results + OC Summaries (LCS, DUP, MS/MSD as required) _____ III. Results + OC and Calibration Summaries _____ IV. Data Validation Report with Raw Data _____ V. Specialized Forms / Custom Report _____ Edata <input type="checkbox"/> Yes <input type="checkbox"/> No	
SAMPLE RECEIPT: CONDITION/COOLER TEMP. _____		CUSTODY SEALS: Y N		INVOICE INFORMATION	
RELINQUISHED BY <b>J. C. Coyne</b>		RECEIVED BY <b>J. C. Coyne</b>		PO# _____	
Signature <b>SEAN C. COYNE</b>		Signature		BILL TO: _____	
Printed Name <b>SEAN C. COYNE</b>		Printed Name		SUBMISSION # <b>2238 899</b>	
Firm <b>CAS</b>		Firm		RECEIVED BY	
Date/Time <b>8/6/07, 2:45 PM</b>		Date/Time		Signature _____	
				Printed Name _____	
				Firm _____	
				Date/Time _____	



# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR #

OF 3

CAS Contact

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 1 OF 3

Project Name		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)		PRESERVATIVE		NUMBER OF CONTAINERS		MATRIX		SAMPLING TIME		FOR OFFICE USE ONLY		CLIENT SAMPLE ID		SAMPLER'S PRINTED NAME		PRESERVATIVE KEY		REMARKS/ALTERNATE DESCRIPTION	
Project Manager		Report CC																					
NPDES PERMIT																							
J. Nicholson																							
G.E. CEP																							
157 PLASTICS AVE		BLOG 59																					
PITTSFIELD, MA. 01201																							
Phone (413) 448-5915		FAX# (413) 448-5935																					
Sample's Signature		SEAN C. COYLE																					
CLIENT SAMPLE ID		FOR OFFICE USE ONLY		LAB ID		DATE		SAMPLING TIME		MATRIX													
A2407C		1022406	8/4/07	10:30	H <sub>2</sub> O	3																	
A2409R		1022403	8/6/07	9:30	H <sub>2</sub> O	3																	
A2408C		1022405	8/6/07	10:30	H <sub>2</sub> O	1																	
A2409R		1022405	8/6/07	9:30	H <sub>2</sub> O	1																	
A2408C		1022403	8/6/07	9:30	H <sub>2</sub> O	1																	
A2409R		1022406	8/6/07	10:30	H <sub>2</sub> O	1																	
A2408C		1022403	8/6/07	9:30	H <sub>2</sub> O	1																	
A2409R		1022403	8/6/07	9:30	H <sub>2</sub> O	1																	

SPECIAL INSTRUCTIONS/COMMENTS: Metals

SAMPLES PACKED IN ICE

TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 24 hr <input type="checkbox"/> 48 hr <input checked="" type="checkbox"/> 5 day <input type="checkbox"/> STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE	REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MSMSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report Edata <input type="checkbox"/> Yes <input type="checkbox"/> No	INVOICE INFORMATION TPO# BILL TO: SUBMISSION #: 12-738799 RECEIVED BY
RELINQUISHED BY Signature: Sean C. Coyle Printed Name: SEAN C. COYLE Firm: ORC Date/Time: 8/6/07 2:45pm	RELINQUISHED BY Signature: [Signature] Printed Name: [Name] Firm: [Firm] Date/Time: [Date/Time]	RELINQUISHED BY Signature: [Signature] Printed Name: [Name] Firm: [Firm] Date/Time: [Date/Time]

### Cooler Receipt And Preservation Check Form

Project/Client GE Pittsfield Submission Number \_\_\_\_\_

Cooler received on 8-7-07 by: KE COURIER: CAS UPS FEDEX VELOCITY CLIENT

1. Were custody seals on outside of cooler? YES NO
  2. Were custody papers properly filled out (ink, signed, etc.)? YES NO
  3. Did all bottles arrive in good condition (unbroken)? YES NO
  4. Did any VOA vials have significant air bubbles? YES NO N/A
  5. Were Ice or Ice packs present? YES NO
  6. Where did the bottles originate? CAS/ROC, CLIENT
  7. Temperature of cooler(s) upon receipt: 5.3° 4.3° \_\_\_\_\_
- Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes  
 If No, Explain Below No No No No No

Date/Time Temperatures Taken: 8-7-07 @ 9:31

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

**If out of Temperature, Client Approval to Run Samples** \_\_\_\_\_

PC Secondary Review: [Signature]

Cooler Breakdown: Date: \_\_\_\_\_ by: \_\_\_\_\_

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

		YES	NO	Sample I.D.	Reagent	Vol. Added	Final pH
pH	Reagent						
≥12	NaOH						
≤2	HNO <sub>3</sub>						
≤2	H <sub>2</sub> SO <sub>4</sub>						
Residual Chlorine (+/-)	for TCN & Phenol						

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

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

**Other Comments:**

\_\_\_\_\_

\_\_\_\_\_

PC Secondary Review: \_\_\_\_\_

\* SPLIT SAMPLE

8/6/2007

CHRONIC AQUATIC TOXICITY COMPOSITE 8C1  
2 ACUTE DRY TOX.

Month: AUG  
Week: 2  
Fiscal Wk: 32  
Weather: DRY

This Effluent sample is a flow proportioned composite made from 24 Hr  
Composite samples collected at the indicated outfalls and specified times.

Outfall #	Collection Time	Gallons/Day	MI in Composite	Percent of Composite
001	7:55AM	3,250	573.86	3.83%
004		0	-	0.00%
007		0	-	0.00%
64T	7:00AM	3,671	648.20	4.32%
64G	7:00AM	78,030	13,777.94	91.85%
09A		0	-	0.00%
09B	8:10AM	0	-	0.00%
		84,951	15000	100.00%

The Acute Toxicity Composite was made today by SEAN C. COYLE @ 10:50AM  
according to the table above, and given the sample ID# A8408C

Sean C. Coyle  
Signed  
8/6/07  
Date

Chain-of-Custody Form Number: <u>5986</u>
Analysis: <u>DAY 1 C. TOX. COMP. 2</u>
TIME: <u>ACUTE DRY TOX COMP</u>
Location: <u>10:50AM</u> Date: <u>8/6/07</u>
Sample Label Serial Number <u>A 8408C</u>

# Aquatec Biological Sciences

## Chain-of-Custody Record

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

COMPANY INFORMATION		COMPANY'S PROJECT INFORMATION		SHIPPING INFORMATION		VOLUME/CONTAINER TYPE/ PRESERVATIVE				
Name: General Electric Company		Project Name: GE PITTSFIELD		Carrier: Priority Express		4°C	4°C	4°C	4°C	4°C
Address: O'Brien & Gere		Outfall Composite		Airbill Number:		—	—	H <sub>2</sub> SO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>	—
1000 East Street, Gate 64		Project Number: 07003		Date Shipped: 2/6/07		Plastic	Plastic	Plastic	Glass	Glass
City/State/Zip: Pittsfield, MA 01201		Sampler Name(s): Sean C. Coyle		Hand Delivered: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		—	—	—	—	—
Telephone: (413) 494-6709		NPDES Permit #: MA0003891		1 gal		1/2 gal	1 L	40 ml	40 mL	0.1
Facsimile: (413) 494-7052		Quote #: 10/05 Client Code: GEPITTS								
Contact Name: Sean Coyle										

SAMPLE IDENTIFICATION	COLLECTION		GRAB	COMPOSITE	MATRIX	ANALYSIS (detection limits, mg/L)	NUMBER OF CONTAINERS											
	DATE	TIME					DATE	TIME	4°C	4°C	4°C	4°C	4°C					
Outfall Composite A24107C	2/6/07	10:58 AM		X	Effluent	Daphnia pulex 48-h Static Acute Toxicity (EPA Method 2021.0). Log in for A48DPS	1											
Outfall Composite A24107C	2/6/07	10:58 AM		X	Effluent	Total Residual Chlorine												
Housatonic River A24109C	2/6/07	9:10 AM	X		Receiving	Dilution Water	1											
Housatonic River A24109C	2/6/07	9:20 AM	X		Receiving	Total Residual Chlorine												
Relinquished by: (signature) <i>[Signature]</i>	DATE 2/6/07	TIME 11:00 pm	Received by: (signature) <i>[Signature]</i>		NOTES TO SAMPLER(S): (1): Complete the labels (Date, time, initials) and cover the labels with clear tape. Tape the caps of the sample bottles to ensure that they do not become dislodged during shipment. Nest the samples in sufficient ice to maintain 0°C ± 6°C. Results for samples received at temperatures exceeding 6°C will be qualified in report.													
Relinquished by: (signature) <i>[Signature]</i>	DATE 2/6/07	TIME 11:35	Received by: (signature) <i>[Signature]</i>		Notes to Lab: Ambient cooler temperature: 6.5°C. Dechlorinate the effluent sample if chlorine is detected. ① samples supplied w/ organic tox. cooler													

**Attachment D**

NPDES Chronic Biomonitoring  
Report August 2007

September 6, 2007

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

Re: NPDES Chronic Biomonitoring Report for August 2007  
Submission #s: R2738799, R2738800, R2738801

Dear Mr. Nicholson:

Enclosed is our report on the Chronic Whole Effluent Toxicity testing conducted in August 2007. The Outfall Composite samples were collected on 8/6/07 at 10:50 am, 8/8/07 at 10:30 am and 8/10/07 at 10:15 am. The Housatonic River samples were collected on 8/6/07 at 9:10 am, 8/8/07 at 8:50 am and 8/10/07 at 8:45 am. The Outfall Composite and Housatonic River samples were analyzed at Columbia Analytical Services for total cyanide, ammonia, total organic carbon, total phosphorus, chloride, total solids, total suspended solids, total residual chlorine, and total metals. Dissolved metals were analyzed for only on the Outfall Composite samples. Results are presented in Appendix 2. The Outfall Composite and Housatonic River samples were sent directly by General Electric to Aquatec Biological Services for the chronic aquatic toxicity testing including the analysis of alkalinity, hardness, specific conductance, and pH. Results are presented in Appendix 1.

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

Thank you for allowing us to provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES



Carlton Beechler  
Project Manager

enc.

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

# **NPDES BIOMONITORING REPORT**

**GENERAL ELECTRIC COMPANY  
Pittsfield, MA  
NPDES PERMIT MA 0003891**

**Reproductive Chronic Toxicity Monitoring  
August 2007**

## **WHOLE EFFLUENT TOXICITY TEST REPORT CERTIFICATION**

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

Executed on \_\_\_\_\_

(Date)

\_\_\_\_\_  
(Authorized Signature)

Michael T. Carroll

General Electric Co. – Pittsfield, MA  
Permit MA0003891

**Prepared by: Carlton R. Beechler  
September 6, 2007**



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### Table I – Summary of Analytical Test Results

#### Appendices:

1. Chemical and Acute Toxicity Data from Aquatec Biological Sciences
2. Laboratory Reports from Columbia Analytical Services, Inc. and O'Brien & Gere, Inc.
3. Chain of Custody Forms

## I. Summary

On August 6-10, 2007 sampling of wastewater discharges from the General Electric Company facility in Pittsfield, MA was conducted in accordance with the chronic toxicity testing requirement of the GE NPDES Permit MA0003891. Three composite effluent samples were collected from GE outfalls 001, 005-64T, 005-64G and 09B over a 6-day period. Sampling dates were August 5-6, August 7-8 and August 9-10. If flow did not occur at an outfall during the 24 hour period, no sample was collected (see chain of custody records in Appendix 3 for details of the outfalls sampled during each period). Each set of samples were combined in a flow-proportioned manner to generate a single wastewater sample that was shipped via FedEx to Aquatec Biological Sciences in Williston, Vermont for chronic toxicity testing. Grab samples of Housatonic River water, to be used as dilution water in the toxicity test, were collected upstream of the GE discharges on August 6, 8 and 10 and shipped to AquaTec along with the wastewater composite. AquaTec dechlorinated the composite sample prior to the acute toxicity test following the toxicity reduction procedures summarized in a letter dated November 11, 1993 to EPA Region I from JG Ruebesam of General Electric Company. The composite wastewater sample and the dilution water sample were tested for chemical constituents by O'Brien & Gere, Inc. and Columbia Analytical Services. The analytical results are summarized in Table I and the detailed laboratory test data are include as Appendices to this report. As a result of land transfer documents executed on April 27, 2005 and recorded in the Berkshire County Registry of Deeds on May 2, 2005, Outfalls 001 and 004 were transferred to the Pittsfield Economic Development Authority (PEDA). Outfalls 001 and 004 DMRs will no longer be submitted under the GE NPDES Permit No. MA0003891. However, GE's NPDES Permit requires that the metal and toxicity composites to be made by compositing samples from the following outfalls: 001, 004, 005, 007, and 009. These two composites will continue to include an aliquot of water from outfall 001 and outfall 004, and will be reported on GE's DMR until further actions by the Agencies.

The results from Aquatec Biological Sciences for the chronic toxicity test on the wastewater discharge sample indicated a No Observed Chronic Effect Level (NOCEL) of 100%. No Limit is established for NOCEL in the GE NPDES permit.

## II. Review of Toxicity Test Results

The wastewater discharge sample collected on August 5-6, August 7-8 and August 9-10 were tested for 7 day chronic toxicity using *Ceriodaphnia dubia* organisms. The sample did not require dechlorination with sodium thiosulfate ( $\text{Na}_2\text{S}_2\text{O}_3$ ) prior to toxicity testing. Aquatec Biological Sciences reported the results of this toxicity testing as follows:

Effluent toxicity as NOCEL =	100%
Effluent toxicity as $\text{LC}_{50}$ =	>100%

No limit is established for NOCEL in the GE NPDES permit.

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

<u>Control Analysis</u>	<u>Result</u>	<u>Acceptable Limit</u>
Survival in 100% dilution water	90%	$\geq 80\%$
Reproduction in 100% dilution water (average # of offspring/female/day)	35.4	$\geq 15$
Reproduction in 100% dilution water (% of females having three broods)	100%	$\geq 60\%$

The survival and reproduction rate of *Ceriodaphnia* in the upstream dilution water control samples was within acceptable limits, indicating that the results of the toxicity test are valid.

## III. Review of Wastewater Sampling Procedures

Three composite effluent samples of the individual NPDES wastewater discharges were collected over a 24-hour period. Each composite effluent sample was generated by combining samples from the individual NPDES discharges. Each group of individual samples collected over the same 24 hour period were composited in a flow-weighted manner to generate a single combined discharge sample for toxicity testing and chemical analysis.

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

Each automatic sampler (at outfall 001, 64T, 64G, and 09B) was programmed to collect approximately 7 liters of wastewater into a 10-liter glass container in a time-proportioned manner over a 24-hour period. Outfalls 004, 007, and 09A have been plugged and no longer flow.

All sample containers were packed in ice or refrigerated to keep the wastewater samples cold during the 24-hour collection period.

Flow meter readings were taken at the beginning and end of the 24-hour collection period to determine the total 24-hour flow for each wastewater discharge.

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

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

A grab sample of Housatonic River water was collected on the second day of each 24 hour period at the Lyman Road Bridge in Hinsdale, MA, upstream of the GE site. This sample was split for chemical analysis and toxicity testing in a similar manner as the combined effluent sample (see above).

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

#### IV. Review of Individual NPDES Discharges

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

1. Outfall 001 is permitted to discharge storm water runoff from the oil/water separator in Building 31W to Silver Lake.
2. Outfall 004 is permitted to discharge storm water runoff to Silver Lake. (**Outfall plugged**)
3. Outfall 005 is permitted to discharge contact cooling water, non-contact cooling water, treated process water and storm water runoff from the Wastewater Treatment Plant in Building 64T, and treated groundwater from the Groundwater Treatment Plant in Building 64G to the Housatonic River. Monitoring samples are collected separately from the effluents of 64G and 64T. Both samples are included in the flow composite sample used for toxicity testing.
4. Outfall 007 is permitted to discharge stormwater runoff to the Housatonic River. (**Outfall plugged**)
5. Outfall 09A is permitted to discharge non-contact cooling water and stormwater runoff to Unkamet Brook. (**Outfall plugged**)
6. Outfall 09B is permitted to discharge non-contact cooling water, treated process water and stormwater runoff from the oil/water separator in Building 119W to Unkamet Brook.

Table I – Summary of Analytical results for NPDES Outfall Composite Sample and Housatonic River Dilution Water August 6-10, 2007

Aquatic Chronic Toxicity Results:		No Observed Effect Level (NOCEL) =				100%	
						LC50 =	
						>100%	
Chemical Analyses: (all results are mg/L unless otherwise indicated)							
		August 5-6	August 6	August 7-8	August 8	August 9-10	August 10
		Effluent	Housatonic	Effluent	Housatonic	Effluent	Housatonic
Parameter Tested	Laboratory	Composite	River	Composite	River	Composite	River
Ammonia	CAS	0.185	ND (0.0500)	0.312	ND (0.0500)	0.172	ND (0.0500)
Chloride	CAS	174	20.9	122	18.6	66	19.5
Total Alkalinity	CAS	380	156	185	125	115	126
Total Organic Carbon	CAS	6.27	5.68	5.09	5.82	6.13	5.52
Total Phosphorus	CAS	ND (0.0500)	ND (0.0500)	ND (0.0500)	ND (0.0500)	ND (0.0500)	ND (0.0500)
Total Solids	CAS	684	214	419	174	256	189
Total Suspended Solids	CAS	ND (1.00)	9.80	3.80	3.60	4.00	1.60
Hardness	Aquatec	376	170	220	134	124	112
Spec. Conductance (umhos)	Aquatec	1227	374	793	230	465	318
pH (SU)	Aquatec	7.9	7.4	7.8	7.4	7.5	7.5
TRC (start of toxicity test)	Aquatec	ND	ND	ND	ND	ND	ND
Cyanide	CAS	0.0244	ND (0.0100)	ND (0.0100)	ND (0.0100)	ND (0.0100)	ND (0.0100)
Cyanide (Sulfide Precipitation Filter)	CAS	ND (0.0100)	ND (0.0100)	ND (0.0100)	ND (0.0100)	ND (0.0100)	ND (0.0100)
Aluminum, total	CAS	ND (0.100)	0.110	0.107	ND (0.100)	ND (0.100)	ND (0.100)
Aluminum, dissolved	CAS	ND (0.100)	NA	ND (0.100)	NA	ND (0.100)	NA
Cadmium, total	CAS	ND (0.00500)	ND (0.00500)	ND (0.00500)	ND (0.00500)	ND (0.00500)	ND (0.00500)
Cadmium, dissolved	CAS	ND (0.00500)	NA	ND (0.00500)	NA	ND (0.00500)	NA
Chromium, total	CAS	ND (0.0100)	ND (0.0100)	ND (0.0100)	ND (0.0100)	ND (0.0100)	ND (0.0100)
Chromium, dissolved	CAS	ND (0.0100)	NA	ND (0.0100)	NA	ND (0.0100)	NA
Copper, total	CAS	ND (0.0200)	ND (0.0200)	ND (0.0200)	ND (0.0200)	ND (0.0200)	ND (0.0200)
Copper, dissolved	CAS	ND (0.0200)	NA	ND (0.0200)	NA	ND (0.0200)	NA
Lead, total	CAS	ND (0.00500)	ND (0.00500)	ND (0.00500)	ND (0.00500)	ND (0.00500)	ND (0.00500)
Lead, dissolved	CAS	ND (0.00500)	NA	ND (0.00500)	NA	ND (0.00500)	NA
Nickel, total	CAS	ND (0.0400)	ND (0.0400)	ND (0.0400)	ND (0.0400)	ND (0.0400)	ND (0.0400)
Nickel, dissolved	CAS	ND (0.0400)	NA	ND (0.0400)	NA	ND (0.0400)	NA
Silver, total	CAS	ND (0.0100)	ND (0.0100)	ND (0.0100)	ND (0.0100)	ND (0.0100)	ND (0.0100)
Silver, dissolved	CAS	ND (0.0100)	NA	ND (0.0100)	NA	ND (0.0100)	NA
Zinc, total	CAS	ND (0.0200)	ND (0.0200)	0.0305	ND (0.0200)	0.0399	ND (0.0200)
Zinc, dissolved	CAS	ND (0.0200)	NA	0.0344	NA	0.0464	NA
pH (SU)	OB&G	7.58	7.54	7.92	7.35	7.67	7.28
Hardness	Aquatec	376	170	220	134	124	112

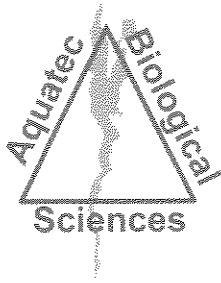
NA – Not analyzed

## **APPENDIX 1**

Chemical and Acute Toxicity Data

Aquatec Biological Sciences





# Aquatec Biological Sciences



Ecology



Environmental  
Toxicology



Natural Resource  
Assessments



Microbiology

September 5, 2007

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

Dear Mr. Beechler:

Enclosed please find one bound and one unbound copies of our report of the results for chronic whole effluent toxicity testing of samples received from GE Pittsfield, Massachusetts on August 7-13, 2007.

According to the Chain-of-Custody documentation, samples for Whole Effluent Toxicity (WET) Testing were collected on August 6, 8, and 10, 2007. The samples were transported to Aquatec Biological Sciences, Inc. by courier and delivered on the same day or the day following collection. The initial effluent sample was logged in for the short-term chronic toxicity test with *Ceriodaphnia dubia* (EPA Method 1002.0). Subsequent effluent samples were used for toxicity test renewals. The receiving water samples were logged in for dilution water. A subsample of each sample was checked for residual chlorine (not detected) and for alkalinity and hardness measurements at Aquatec Biological Sciences, Inc. The toxicity test was started on August 7, 2007, within the specified holding time.

At the conclusion of the toxicity test on August 13, 2007, a final count of surviving organisms and offspring (neonates) was completed. The average survival was 90 - 100 percent in all test concentrations. Acute toxicity or chronic to *Ceriodaphnia dubia* was not detected, with the 48-hour LC50 reported as >100% effluent and the Chronic No-Observed-Effect Concentration (C-NOEC) reported as 100% (Section 4.1 of the report).

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

Sincerely,

  
John Williams  
Manager, Environmental Toxicology

This report consists of the following numbered pages:

1 - 48

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

Samples Collected in August 2007

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

SDG number: 10586

Effluent ID: Outfall Composite A8408C Aquatec sample number: 35899

Effluent ID: Outfall Composite A8410C Aquatec sample number: 35947

Effluent ID: Outfall Composite A8423C Aquatec sample number: 35975

Receiving water ID: Housatonic River A8409R Aquatec sample number: 35900

Receiving water ID: Housatonic River A8411R Aquatec sample number: 35948

Receiving water ID: Housatonic River A8424R Aquatec sample number: 35976

Study Director: John Williams

August 31, 2007


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

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

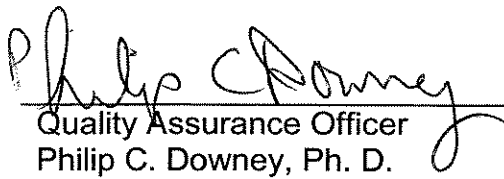
**Signatures and Approval**

**Submitted by:**

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

  
\_\_\_\_\_  
Study Director  
John Williams

9/5/07  
\_\_\_\_\_  
Date

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

9/5/07  
\_\_\_\_\_  
Date

## Whole Effluent Toxicity Test Report Certification

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

Executed on:

Date: September 5, 2007

Authorized signature

John Williams

Name

Manager, Environmental Toxicology

Title

Aquatec Biological Sciences, Inc.

Laboratory

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**Summary  
of  
Chronic Survival and Reproduction Toxicity Test with  
*Ceriodaphnia dubia***

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Sponsor: General Electric

Protocol title: US EPA-821-R-02-013. *Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms*, 4<sup>th</sup> Ed., October 2002. Method 1002.0

Aquatec SDG: 10586

Test material: Composite effluent from the General Electric Company located in Pittsfield, Massachusetts

GE sample ID: Outfall Composite A8408C  
Outfall Composite A8410C  
Outfall Composite A8423C

Dilution water: Water from the Housatonic River (grab sample)

GE sample ID: Housatonic River A8409R  
Housatonic River A8411R  
Housatonic River A8424R

Dates collected: August 6, 8, and 10, 2007

Date received: August 6, 9, and 11, 2007

Test dates: August 7-13, 2007

Test concentrations: 100%, 75%, 50%, 25%, 12.5%, 6.25% effluent.  
Dilution water control (Housatonic River)  
Laboratory control 1 (culture water)  
Laboratory control 2 (culture water with sodium thiosulfate)

---

**Acute Toxicity Values**

<b>Species</b>	<b>Exposure Period</b>	<b>48-hour LC50 (% effluent)</b>	<b>A-NOAC (% effluent)</b>
<i>Ceriodaphnia dubia</i>	48 hours	>100%	>100%

**Chronic Toxicity Values**

<b>Species</b>	<b>Endpoint</b>	<b>Exposure Period</b>	<b>C-NOEC (% effluent)</b>	<b>C-LOEC (% effluent)</b>
<i>Ceriodaphnia dubia</i>	Survival	6 – 7 days	100%	>100%
<i>Ceriodaphnia dubia</i>	Reproduction	6 – 7 days	100%	>100%



## 1.0 Introduction

### 1.1 Background

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

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

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

### 1.2 Objective of the General Electric Study

The objective of this study was to measure the chronic toxicity of the composite wastewater discharged by the General Electric facility located in Pittsfield, Massachusetts to the Housatonic River. The water flea, *Ceriodaphnia dubia*, is exposed to effluent and dilutions of effluent under static conditions with daily renewal of test solutions. *Ceriodaphnia dubia* is routinely used by regulatory agencies and by contract laboratories for toxicity testing and EPA has published guidance documents for the performance of this test (U.S. EPA, 2002).

A toxicity test was conducted from August 7-13, 2007 at Aquatec Biological Sciences, Inc. (Aquatec) located in Williston Vermont. Aquatec Biological Sciences, Inc. holds NELAC accreditation for the requested whole effluent toxicity test. All original raw data and the final report produced for this study are stored in Aquatec's archives in Williston, Vermont.

## 2.0 Materials and Methods

### 2.1 Protocol

Procedures used in this chronic toxicity test followed those described in the Aquatec Standard Operating Procedure (SOP) TOX2-002, Cladoceran, *Ceriodaphnia dubia* Survival and Reproduction Toxicity Test R4, May 4, 2007. This SOP generally follows the standard methodology presented in U.S. EPA. 2002 (EPA-821-R-02-013). *Methods for Measuring the Chronic Toxicity of*

*Effluents and Receiving Waters to Freshwater Organisms*, 4<sup>th</sup> Ed., October 2002, Method 1002.0 (as summarized in Appendix 2 of this report). A copy of the SOP has been previously submitted (Appendix 6, Controlled document - please do not copy or distribute.)

Additional SOPs used in this study are outlined below:

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

## 2.2 Effluent and Receiving Water Samples

Effluent samples were collected by GE personnel from August 5-6, 2007 (initial sample); August 7-8, 2007 (first renewal sample), and August 9-10, 2007 (second renewal sample). Receiving water samples were grab samples collected from the Housatonic River on August 6, 8, and 10, 2007. Samples were delivered to Aquatec on the same day or the following day after collection. Upon receipt at Aquatec on the temperature of the temperature blank contained within the cooler was within the range of 0.0°C to 6.0°C. The effluent and receiving water were prepared for testing and characterized (Table 1). The receiving water was the dilution water for preparing effluent concentrations and was also the reference control for statistical comparisons.

## 2.3 Control water

Laboratory control water for the toxicity test was a 1:1 mixture of laboratory reconstituted moderately hard water and 60-micron filtered river water collected from the Lamoille River, Vermont. This water was characterized for the following parameters: pH (7.4); dissolved oxygen (8.2 mg/L); conductivity (215 uS/cm). An additional dechlorination control (laboratory water with 0.25 N sodium thiosulfate added) was included in the test array, even though chlorine was not detected in the effluent sample.

## 2.4 Test Organism

Daphnids (*Ceriodaphnia dubia*), less than 24-hours old and collected within and eight-hour period were obtained from Aquatec laboratory cultures. The culture system consisted of brood boards with 1-oz cups containing approximately 20 mL of culture medium and one daphnid. The culture water was laboratory reconstituted moderately hard water mixed in a 1:1 ratio with filtered Lamoille River, VT water. Prior to use, the culture water was characterized:

Parameter	Result
Total hardness (mg/L)	Within range of 50-110 mg/L
Alkalinity (mg/L as CaCO <sub>3</sub> )	Within range of 60-70 mg/L
pH	Nominal 7.7 – 8.0

The culture area was maintained at a nominal temperature of 25°C (range 24 – 26 °C) with a regulated photoperiod of 16 hours light and 8 hours of darkness.

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

Beginning approximately 24 hours before toxicity test initiation neonates were removed from the culture cups. Offspring produced within eight hours were used for toxicity testing when the neonates were 24 hours old or less.

## 2.5 Test Procedures

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

The toxicity test was conducted at effluent concentrations of 100%, 75%, 50%, 25%, 12.5%, and 6.25% effluent. Test concentrations were prepared by diluting the appropriate volume of effluent with dilution water to a total volume of 300 mL. Test solutions were then decanted to ten replicate 30-mL cups per concentration, each containing approximately 20 mL of test solution. Three sets of control replicates were also included in the test array, set up as the effluent replicates. The controls included: Housatonic River water (dilution control), a laboratory control (a mix of moderately hard water and Lamoille River, VT water), and a laboratory control with sodium thiosulfate added (dechlorination control). The dechlorination control was included in the test array even though residual chlorine was not detected in the effluent.

Prior to testing, daphnids less than 24-hours old were collected from the cultures, pooled in Carolina bowl, and fed. The test was initiated when the daphnid neonates were transferred to the replicate test cups, one daphnid per cup. The toxicity test cups were incubated to maintain temperature in the range of 24°C to 26 °C. The lighting cycle was 16 hours light and eight hours dark and a luminance of approximately 80 ft-c.

The criteria for ending the toxicity test was based upon the controls reaching an average of 15 neonates or more per female and at least 60 percent of surviving females having produced three broods during the test.

## **2.6 Test Monitoring**

The number of surviving daphnids and the number of young produced was observed at approximately 24-hour intervals during the test, with the final count of surviving daphnids and young at the end of the test. Temperature was measured daily in one replicate of each test treatment. The parameters of pH, dissolved oxygen, and conductivity were measured daily on a composite of the test solutions before and after renewal.

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

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

## **2.7 Reference Toxicant Test**

A acute / chronic standard reference toxicant (SRT) test was conducted monthly. The SRT test was conducted as a quality control procedure to establish the health and sensitivity of the test organisms. The SRT included four concentrations of reagent grade sodium chloride (NaCl) with nominal concentrations of 0.25, 0.5, 1.0, 2.0, and 3.0 g NaCl/L. Ten test replicates, each containing one daphnid were test at each concentration and the laboratory control.

# **3.0 Statistics**

## **3.1 Statistical protocol**

The concentration-response relationships observed were characterized by the median lethal concentration (LC50, based on survival data at 48-hours of the test), which was the calculated concentration lethal to 50 percent of the test organisms. If no concentrations resulted in 50% mortality, the LC50 was reported as greater than the highest concentration effluent (in this case >100% effluent), by direct observation. If greater than 50 percent mortality was observed in any effluent treatment, then a computer program (TOXIS2) was used to calculate the LC50 value, following the U.S. EPA statistical flowchart (Appendix 3).

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

The Chronic-No-Observable-Effect Concentration (C-NOEC) was determined based on the end-of-test survival and reproduction data using multiple comparison tests (TOXIS2), with the receiving water control as the statistical reference.

## 4.0 Results

### 4.1 Effluent Toxicity Test

Results of effluent and receiving water characterizations performed at Aquatec as part of the toxicity test are presented in Table 1. Water quality parameters measured during the toxicity test are presented in Table 2. Measured temperatures during the test were within the range of 24.0°C to 26.0°C. The percent survival data and number of offspring produced during the exposure for the toxicity test are presented in Table 3.

By day six, at least 60 percent of the reference control (receiving water) organisms had produced at least three broods with a minimum of 15 young per surviving female.

Acute toxicity was not demonstrated during this evaluation. The 48-hour LC50 value was >100% effluent. The A-NOEC was 100% effluent. Chronic toxicity was not demonstrated during this evaluation. The C-NOEC value was 100% effluent. And the C-LOEC was >100% effluent.

### 4.2 Reference Toxicant Test

The most recent standard reference toxicant (SRT) test, conducted in July 2007, had a resulting 48-hour LC50 1.78 g NaCl/L and a chronic IC25 of 0.23 g NaCl/L. These values were within the Control Chart limits generated for SRT tests with *Ceriodaphnia dubia* in our laboratory.

## 5.0 Qualifiers

### 5.1 Qualifiers and Special Conditions

To the best of our knowledge, qualifiers or special conditions were not applicable to the reported toxicity test.

## References

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

U.S. Environmental Protection Agency, 2002. 4<sup>th</sup> Edition. *Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms*. EPA-821-R-02-013.

**Table 1. Results of the characterization of the General Electric Pittsfield Plant effluent and receiving water samples.**

<b>Parameter</b>	<b>OUTFALL COMPOSITE A8408C</b>	<b>OUTFALL COMPOSITE A8410C</b>	<b>OUTFALL COMPOSITE A8423C</b>
Temperature	25.3	25.2	24.3
pH	7.9	7.8	7.5
Alkalinity (as CaCO <sub>3</sub> ), mg/L	344	172	104
Hardness (as CaCO <sub>3</sub> ), mg/L	376	220	124
Dissolved oxygen, mg/L	8.5	9.7	9.2
Specific conductivity, uS/cm	1227	793	465
Total residual chlorine (mg/L)	ND	ND	ND
<b>Parameter</b>	<b>Housatonic River A8409R</b>	<b>Housatonic River A8411R</b>	<b>Housatonic River A8424R</b>
Temperature	25.3	25.3	24.7
pH	7.4	7.4	7.5
Alkalinity (as CaCO <sub>3</sub> ), mg/L	136	116	112
Hardness (as CaCO <sub>3</sub> ), mg/L	170	134	128
Dissolved oxygen, mg/L	8.7	9.4	9.2
Specific conductivity, uS/cm	374	230	318
Total residual chlorine (mg/L)	ND	ND	ND

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

**Table 2. Water quality measurements (ranges) recorded during the chronic toxicity test with *Ceriodaphnia dubia* exposed to General Electric Pittsfield Plant effluent, August 7 - 13, 2007.**

<b>Test Concentration (% effluent)</b>	<b>PH</b>	<b>Dissolved Oxygen (mg/L)</b>	<b>Temperature (°C)</b>	<b>Conductivity (umhos/cm)</b>
<b>Dechl. Control</b>	7.3 – 7.6	7.9 – 9.4	24.4 – 25.9	219 – 259
<b>Lab Control</b>	7.3 – 8.3	7.6 – 8.8	24.1 – 25.6	215 – 257
<b>Reference Control</b>	7.3 – 8.0	7.7 – 9.5	24.0 – 25.6	230 – 380
<b>6.25%</b>	7.3 – 8.1	7.8 – 9.3	24.1 – 25.8	326 – 438
<b>12.5%</b>	7.4 – 8.2	7.8 – 9.4	24.4 – 25.7	338 – 493
<b>25%</b>	7.4 – 8.3	7.8 – 9.5	24.4 – 25.5	355 – 600
<b>50%</b>	7.4 – 8.2	7.8 – 9.4	24.3 – 25.6	391 – 808
<b>75%</b>	7.5 – 8.2	7.8 – 9.5	24.4 – 25.6	427 – 1022
<b>100%</b>	7.5 – 8.2	7.7 – 9.7	24.3 – 25.7	465 – 1227

Dechl. Control = laboratory water with sodium thiosulfate added (dechlorination control).

Lab Control = a mix of natural river water and moderately hard water.

Dilution Control = receiving water (Housatonic River).



**Table 3 a. Summary of percent survival and reproduction data recorded during the chronic toxicity test with *Ceriodaphnia dubia* exposed to General Electric Pittsfield Plant effluent, August 7-13, 2007.**

Test Concentration (% effluent)	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
Dechl. Control	100	100	100	100	100	100	-
Lab Control	100	100	100	100	90	90	-
Reference Control	100	100	100	100	100	100	-
6.25%	100	100	100	100	100	100	-
12.5%	100	100	100	100	100	100	-
25%	100	100	100	100	100	100	-
50%	100	90	90	90	90	90	-
75%	100	100	100	100	100	100	-
100%	100	100	100	100	100	100	-

**Table 3 b. Summary of reproduction data (number of offspring produced) recorded during the chronic toxicity test with *Ceriodaphnia dubia* exposed to General Electric Pittsfield Plant effluent, August 7-13, 2007.**

Test Concentration (% effluent)	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Mean Per female
Dechl. Control	0	0	32	0	147	180	-	35.9
Lab Control	0	0	62	0	131	161	-	35.4
Reference Control	0	0	39	3	141	148	-	33.1
6.25%	0	0	26	5	143	165	-	33.9
12.5%	0	0	26	11	139	158	-	33.4
25%	0	0	30	6	141	165	-	34.2
50%	0	0	31	6	123	133	-	29.3
75%	0	0	41	0	131	170	-	34.2
100%	0	0	47	10	139	160	-	35.6

**Dechl. Control = laboratory water with sodium thiosulfate added  
(dechlorination control).**

**Lab Control = a mix of natural river water and moderately hard water.**

**Dilution Control = receiving water (Housatonic River).**

**Percent mortality = (# dead/5) X 100**

## **Appendix 1**

# **Chain-of-Custody Documentation**

# Aquatec Biological Sciences

## Chain-of-Custody Record

273 Commerce Street  
 Williston, VT 05495  
 TEL: (802) 860-1638  
 FAX: (802) 858-3189

COMPANY INFORMATION	COMPANY'S PROJECT INFORMATION	SHIPPING INFORMATION
Name: General Electric Company Address: O'Brien & Gere 1000 East Street, Gate 64 City/State/Zip: Pittsfield, MA 01201 Telephone: (413) 494-6709 Facsimile: (413) 494-7052 Contact Name: Sean Coyle	Project Name: GE PITTSFIELD <b>Outfall Composite - INITIAL SAMPLE</b> Project Number: 07003 Sampler Name(s): SEAN C. COYLE NPDES Permit #: MA0003891 Ship these samples on Monday. Quote #: 10/05 Client Code: GEPITTS	Carrier: <u>PRIMONY EXPRESS</u> Airbill Number: _____ Date Shipped: <u>8/6/07</u> Hand Delivered: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SAMPLE IDENTIFICATION	COLLECTION		GRAB	COMPOSITE	MATRIX	ANALYSIS	VOLUME/CONTAINER TYPE/ PRESERVATIVE						
	DATE	TIME					4°C	4°C H <sub>2</sub> SO <sub>4</sub>	4°C H <sub>2</sub> SO <sub>4</sub>	4°C	4°C H <sub>2</sub> SO <sub>4</sub>	4°C	
Outfall Composite A24408C	8/6/07	10:50 AM		X	Effluent	Ceriodaphnia dubia chronic survival and reproduction (EPA Met hod 1002.0) Initial sample	1 gal	1/2 gal	1 L	40 ml	40 mL	4' HN	4' HN
Outfall Composite A24408C	8/6/07	10:50 AM		X	Effluent	Total Residual Chlorine							
Housatonic River A24409R	8/6/07	9:10 AM	X		Receiving	Dilution Water							
Housatonic River A24409R	8/6/07	9:10 AM	X		Receiving	Total Residual Chlorine							

RELINQUISHED BY: (signature)	DATE	TIME	RECEIVED BY: (signature)
<i>K. C. Coyle</i>	8/6/07 <i>missp</i> <i>S.C.</i>	11:00 PM	<i>Ron DeKrom</i>
RELINQUISHED BY: (signature)	DATE	TIME	RECEIVED BY: (signature)
	8/6/07	17:35	<i>[Signature]</i>
RELINQUISHED BY: (signature)	DATE	TIME	RECEIVED BY: (signature)

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

Notes to Lab: Ambient cooler temperature: 2.2 °C. Dechlorinate the effluent sample if chlorine is detected.

# Aquatec Biological Sciences Chain-of-Custody Record

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

COMPANY INFORMATION	COMPANY'S PROJECT INFORMATION	SHIPPING INFORMATION	VOLUME/CONTAINER TYPE/ PRESERVATIVE																
Name: General Electric Company Address: O'Brien & Gere 1000 East Street, Gate 64 City/State/Zip: Pittsfield, MA 01201 Telephone: (413) 494-6709 Facsimile: (413) 494-7052 Contact Name: Sean Coyle	Project Name: GE PITTSFIELD <b>Outfall Composite - RENEWAL SAMPLE</b> Project Number: 07003 Sampler Name(s): SEAN COYLE NPDES Permit #: MA0003891 Ship these samples on Wednesday. Quote #: 10/05 Client Code: GEPITTS	Carrier: <u>PRIORITY EXPRESS</u>  Airbill Number: _____ Date Shipped: <u>8-8-07</u> Hand Delivered: <input type="checkbox"/> Yes <input checked="checked" type="checkbox"/> No	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>4°C</td> <td>4°C</td> <td>4°C</td> <td>4°C</td> </tr> <tr> <td>Plastic</td> <td>H<sub>2</sub>SO<sub>4</sub></td> <td>H<sub>2</sub>SO<sub>4</sub></td> <td>H<sub>2</sub>SO<sub>4</sub></td> </tr> <tr> <td>1 gal</td> <td>1 L</td> <td>40 ml</td> <td>40 mL</td> </tr> <tr> <td colspan="4" style="text-align: center;">NUMBER OF CONTAINERS</td> </tr> </table>	4°C	4°C	4°C	4°C	Plastic	H <sub>2</sub> SO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>	1 gal	1 L	40 ml	40 mL	NUMBER OF CONTAINERS			
4°C	4°C	4°C	4°C																
Plastic	H <sub>2</sub> SO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>																
1 gal	1 L	40 ml	40 mL																
NUMBER OF CONTAINERS																			
SAMPLE IDENTIFICATION	COLLECTION DATE	TIME	MATRIX	COMPOSITE	GRAB	ANALYSIS													
Outfall Composite A28410C	8/2/07	10:30 AM	Effluent	X		Ceriodaphnia dubia chronic survival and reproduction (EPA Method 1002.0) - Renewal 1													
Outfall Composite A28410C	8/2/07	10:30 AM	Effluent	X		Total Residual Chlorine 1													
Mousatonic River A28411R	8/2/07	8:50 AM	Receiving	X		Dilution Water 2													
Mousatonic River A28411C	8/2/07	8:50 AM	Receiving	X		Total Residual Chlorine 1													
RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME	RECEIVED BY													
Relinquished by: (signature) 	8-2-07	11:55 AM	Received by: (signature) 	8-9-07	8:50	Received by: (signature) 													
Relinquished by: (signature) 	8-9-07	8:50	Received by: (signature) 			Received by: (signature)													
Relinquished by: (signature)																			

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

Notes to Lab: Ambient cooler temperature: 0.0°C. Dechlorinate the effluent sample if chlorine is detected.



## **Appendix 2 Summary of Test Conditions**

**Test Description: Daphnid, *Ceriodaphnia dubia* acute / chronic survival and reproduction**ASSOCIATED PROTOCOL: EPA 1994. *Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms.* (EPA/600/4-91/002) Method 1002.0

1. Test type:	Static, daily renewal
2. Test temperature:	25 ± 1°C
3. Light quality:	Ambient laboratory illumination
4. Photoperiod:	16 hr. light, 8 hr. dark
5. Test chamber size:	30 ml
6. Test solution volume:	15-20 ml / replicate
7. Renewal of test concentrations:	Daily
8. Age of test organisms:	Less than 24 h, released within an 8 hr. period
9. No. organisms / test chamber:	1
10. No. of replicate chambers / concentration:	10
11. No. of organisms / concentration:	10
12. Feeding regime:	0.1 ml each of YTC and algal suspension daily
13. Cleaning:	Transfer to new test solution and test chamber daily
14. Aeration:	None
15. Dilution water:	Receiving water
16. Test concentrations:	6.25, 12.5, 25, 50, 75, 100% effluent
17. Laboratory control:	1:1 Lamoille R. / MHW as additional control. Sodium thiosulfate in Lamoille R. / MHW as additional control
18. Test duration:	Until 60% of control females have three broods
19. Monitoring:	Daily temperature, dissolved oxygen, pH, and conductivity. Hardness, alkalinity on each new sample. Biological monitoring daily
19. End points:	Survival (Days 2 and end of test) and reproduction (end of test)
20. Reference toxicant test:	Sodium chloride LC50 / IC25
21. Test acceptability (control performance):	80% or greater survival and an average of 15 or more young/female. At least 60% of surviving females must have produced third brood
22. Data interpretation:	Acute: 48-h LC50 (point estimate); A-NOEC Chronic: C-NOEC by hypothesis test statistics compared to the Lab Control using TOXIS2



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

**TOXICITY TEST SUMMARY SHEET**

Facility Name: Outfall Composite A8408C                      Test Start Date: 08/7/07

NPDES Permit Number: MA0003891                      Pipe Number: 001

Test Type	Test Species	Sample Type	Sampling Method
Acute	<i>Ceriodaphnia dubia</i>	EFFLUENT	Composite

Dilution Water: Housatonic River

Receiving Water: Housatonic River

Effluent Sampling Dates: August 6, August 8, and August 10, 2007

Concentrations Tested: 0 5.0 15 35 50 75 100 Control Permit Limit: NA

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

With Sea Salts? NA      Hypersaline Brine Solution? NA

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

Reference Toxicant Date: 7/22/07-7/28/07

**PERMIT LIMITS AND TEST RESULTS**

Test Acceptability Criteria:

Mean Control Survival: 100 (%)

Mean Control Reproduction: 33.1 neonates per female

	Limits (%)		Results (%)
<b>LC50</b>	NA	<b>48-Hour LC50</b>	<b>&gt;100</b>
		Upper Value	--
		Lower Value	--
		Data Analysis Method	Steel Many-One Rank Test
<b>A-NOEC</b>	NA	<b>48-hour A-NOEC</b>	<b>100</b>
<b>C-NOEC</b>	NA	<b>C-NOEC</b>	<b>100</b>
		<b>LOEC</b>	<b>&gt;100</b>
IC25	NA	IC25	--
IC50	NA	IC50	--

NA: Not Applicable

STATISTICAL ANALYSIS OF CERIODAPHNIA  
SURVIVAL AND REPRODUCTION TEST

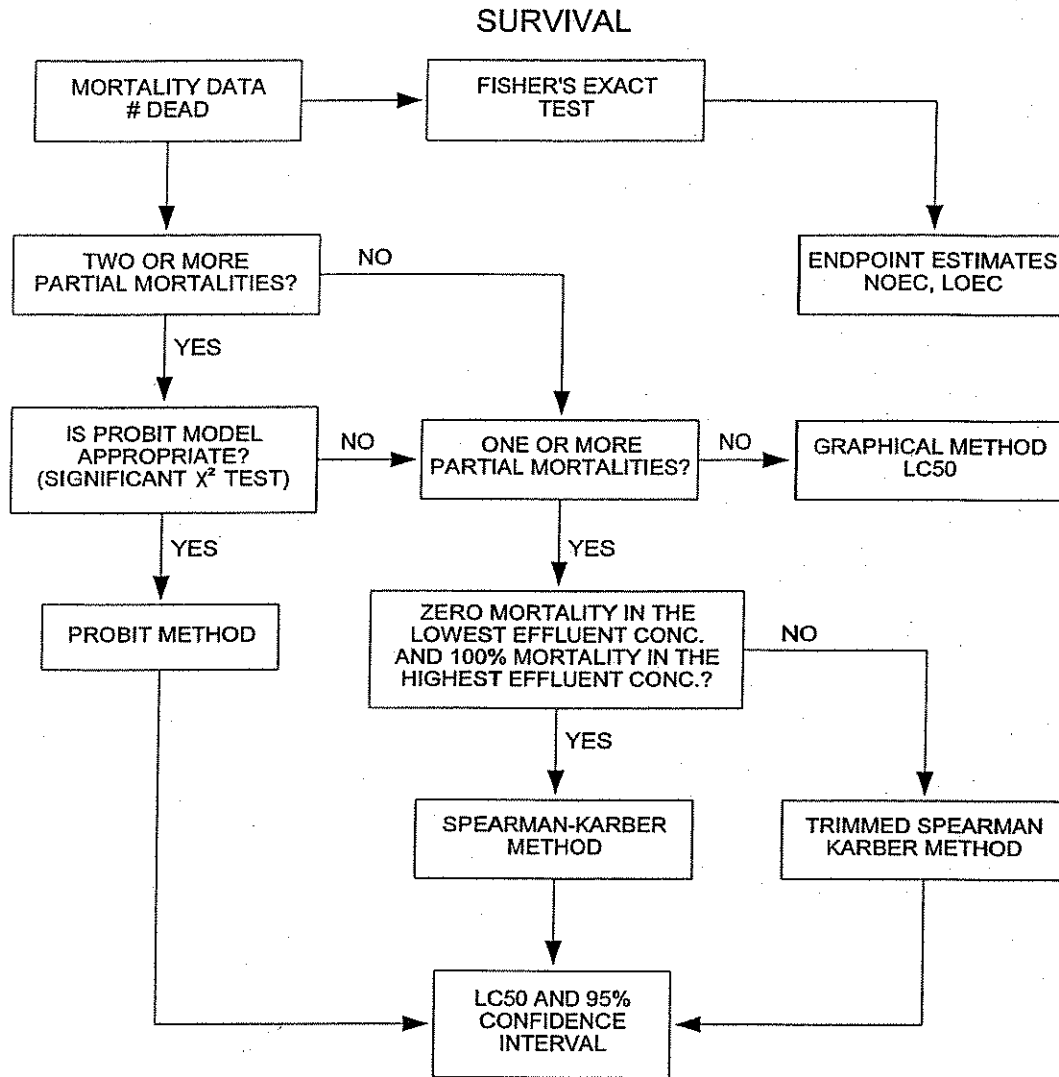


Figure 4. Flowchart for statistical analysis of the daphnid, *Ceriodaphnia dubia*, survival data.

STATISTICAL ANALYSIS OF CERIODAPHNIA SURVIVAL AND REPRODUCTION TEST

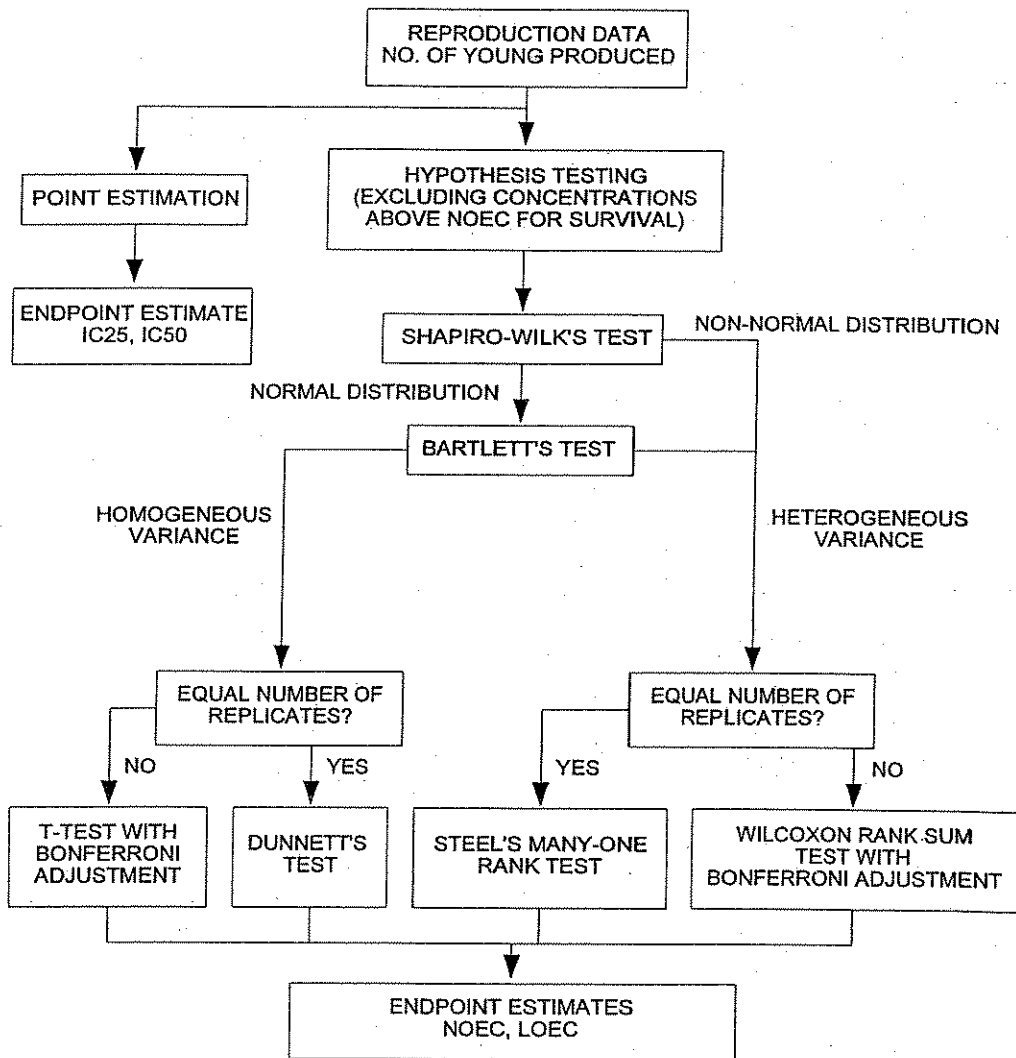


Figure 6. Flowchart for the statistical analysis of the daphnid, *Ceriodaphnia dubia*, reproduction data.

**Appendix 4**  
**Bench Data, *Ceriodaphnia dubia* Chronic Toxicity Test**

=====  
 Aquatec Biological Sciences, Inc.  
 =====

Test Date: 8/07/07  
 Sample Date: 8/06/07  
 Species: Ceriodaphnia dubia  
 Test Type: Chronic

Test Number: 54398  
 Test Material: Effluent - POTW %  
 Source: MA0003891  
 General Electric Company  
 Pittsfield, MA

SUMMARY

End Point	Day	Transformation	Conc	#Reps	Mean	StDev	% Surv
Proportion Alive	2	No transformation	0.000 B	10	1.00	0.000	
			X 0.000 D	10	1.00	0.000	
			X 6.250 D	10	1.00	0.000	
			X 12.500 D	10	1.00	0.000	
			X 25.000 D	10	1.00	0.000	
			X 50.000 D	10	.90	.316	
			X 75.000 D	10	1.00	0.000	
			X 100.000 D	10	1.00	0.000	
Proportion Alive	7	No transformation	0.000 B	10	.90	.316	
			X 0.000 D	10	1.00	0.000	
			X 6.250 D	10	1.00	0.000	
			X 12.500 D	10	1.00	0.000	
			X 25.000 D	10	1.00	0.000	
			X 50.000 D	10	.90	.316	
			X 75.000 D	10	1.00	0.000	
			X 100.000 D	10	1.00	0.000	
Reproduction		No transformation	0.000 B	10	35.40	6.802	
			X 0.000 D	10	33.10	5.666	
			X 6.250 D	10	33.90	2.331	
			X 12.500 D	10	33.40	6.096	
			X 25.000 D	10	34.20	5.574	
			X 50.000 D	10	29.30	11.086	
			X 75.000 D	10	34.20	7.406	
			X 100.000 D	10	35.60	3.273	

X = indicates concentrations used in calculations

- HYPOTHESIS TEST -

End Point	Day	Transformation/Analysis	NOEC	LOEC	TU	MSE	MSD
Proportion Alive	2	No transformation					
		Fisher Exact	>100.000	>100.000	< 1.00		
Proportion Alive	7	No transformation					
		Fisher Exact	>100.000	>100.000	< 1.00		
Reproduction		No transformation					
		Steel many-one rank test	>100.000	>100.000	< 1.00	42.030	6.809

Day 2 48-h LC50: >100 (Direct observation)

Water Flea

Lab	Species	Test Date	Test Material	Permit	Protocol	Test Number
ABS	CD	8/07/7	EFF1 (%)	MA0003891	EPAF 94	54398

Statistics Parameters

PROPORTION

End Point:	PA Proportion Alive		
Analysis:	Fisher Exact	Auto growth select	1 control
Transform:	No transformation		
Tail:	One-tailed, decreasing		
Constant:	-.01	Variance:	.01
Root:	0.00	Alpha Normality:	.01
		NOEC:	.05

EC/LC Method: F (P,S,G,L,N) Superdunnet: 4000

GROWTH

End Point:	GR Reproduction		
Analysis:	EPA Flowchart	Auto growth select	1 control
Transform:	No transformation		
Tail:	One-tailed, decreasing		
Constant:	-.01	Variance:	.01
Root:	0.00	Alpha Normality:	.01
		NOEC:	.05

Calculate IC? Y (Y,N) IC resamples: 120

Errors/Warnings

Type	Number	Description
EC/LC	71	No linear interpolation estimate can be calculated - none of the group response means < 100-p % of the control response me
IC	71	No linear interpolation estimate can be calculated - none of the group response means < 100-p % of the control response me
PROP	0	Analysis completed with no errors
GROW	0	Analysis completed with no errors

8/24/07

TOXIS ANALYSIS SUMMARY

=====						
Ceriodaphnia			Proportion Alive			Day 7
Lab	Species	Date	Test Material	Permit	Protocol	Test Number
ABS	CD	8/07/7	EFF1 (%)	MA0003891	EPAF 94	54398

=====			
Fisher Exact		Auto growth select	1 control
Transformation	Prop. Conc	Alive	P
No transformation			
	0.00B	.90	
X	0.00D	1.00	
X	6.25D	1.00	1.000
X	12.50D	1.00	1.000
X	25.00D	1.00	1.000
X	50.00D	.90	.500
X	75.00D	1.00	1.000
X	100.00D	1.00	1.000

NOEC	LOEC	TU	Alpha	Tail	Based on
>100	>100	<1	.05	One-sided	Fisher Exact



8/24/07

TOXIS ANALYSIS SUMMARY

Ceriodaphnia		Reproduction				
Lab	Species	Date	Test Material	Permit	Protocol	Test Number
ABS	CD	8/07/7	EFF1 (%)	MA0003891	EPAF 94	54398

EPA Flowchart      Auto growth select      1 control

	Conc	Mean	SD	N	T	Sum of Ranks
Data transformation:						
		No transformation				
	0.00B	35.40	6.802	10		
X	0.00D	33.10	5.666	10		
X	6.25D	33.90	2.331	10	-.276	109.500
X	12.50D	33.40	6.096	10	-.103	103.000
X	25.00D	34.20	5.574	10	-.379	117.000
X	50.00D	29.30	11.086	10	1.311	97.500
X	75.00D	34.20	7.406	10	-.379	114.000
X	100.00D	35.60	3.273	10	-.862	120.000

NOEC	LOEC	TU	Alpha	Tail	Based on	Critical Sum of Ran
>100	>100	<1	.05	One-sided	Steel	74

Dunnnett Test:	MSE	MSD % Reduction from Control		Critical T
	42.030	20.5711		2.3485
Kolmogorov Test for Normality:	Alpha	D	Cutoff D	Normal?
	.01	.155148	.124	No
Bartlett Test for Equal Variance:	Alpha	B	P(B)	Equal Var?
	.01	23.908	.00054	No

=====

WATER FLEA TEST DATA

=====

Test Number: 54398 (x) Chronic ( ) Acute hours  
 Test Date: 7-Aug-07  
 Source: MA0003891 Test Material: EFF1 (%)

Conc	Rep	Cont.		Start	Daily Survival							Prop Alive	Total Young	Max Young
		No.	Sex		1	2	3	4	5	6	End			
0.00 B	1		F	1	1						0	0.00	19	12
0.00 B	2		F	1	1						1	1.00	33	16
0.00 B	3		F	1	1						1	1.00	41	21
0.00 B	4		F	1	1						1	1.00	43	22
0.00 B	5		F	1	1						1	1.00	41	21
0.00 B	6		F	1	1						1	1.00	33	14
0.00 B	7		F	1	1						1	1.00	33	15
0.00 B	8		F	1	1						1	1.00	36	17
0.00 B	9		F	1	1						1	1.00	38	18
0.00 B	10		F	1	1						1	1.00	37	17
0.00 D	1		F	1	1						1	1.00	42	20
0.00 D	2		F	1	1						1	1.00	35	17
0.00 D	3		F	1	1						1	1.00	21	17
0.00 D	4		F	1	1						1	1.00	32	15
0.00 D	5		F	1	1						1	1.00	37	17
0.00 D	6		F	1	1						1	1.00	32	16
0.00 D	7		F	1	1						1	1.00	29	14
0.00 D	8		F	1	1						1	1.00	38	17
0.00 D	9		F	1	1						1	1.00	32	15
0.00 D	10		F	1	1						1	1.00	33	19
6.25 D	1		F	1	1						1	1.00	38	18
6.25 D	2		F	1	1						1	1.00	37	21
6.25 D	3		F	1	1						1	1.00	34	16
6.25 D	4		F	1	1						1	1.00	33	15
6.25 D	5		F	1	1						1	1.00	33	16
6.25 D	6		F	1	1						1	1.00	32	15
6.25 D	7		F	1	1						1	1.00	31	15
6.25 D	8		F	1	1						1	1.00	33	20
6.25 D	9		F	1	1						1	1.00	32	15
6.25 D	10		F	1	1						1	1.00	36	16
12.50 D	1		F	1	1						1	1.00	40	19
12.50 D	2		F	1	1						1	1.00	23	13
12.50 D	3		F	1	1						1	1.00	30	17
12.50 D	4		F	1	1						1	1.00	41	20
12.50 D	5		F	1	1						1	1.00	30	15
12.50 D	6		F	1	1						1	1.00	42	18
12.50 D	7		F	1	1						1	1.00	31	16
12.50 D	8		F	1	1						1	1.00	29	15
12.50 D	9		F	1	1						1	1.00	35	16
12.50 D	10		F	1	1						1	1.00	33	18
25.00 D	1		F	1	1						1	1.00	38	18
25.00 D	2		F	1	1						1	1.00	38	21
25.00 D	3		F	1	1						1	1.00	34	19
25.00 D	4		F	1	1						1	1.00	37	19
25.00 D	5		F	1	1						1	1.00	23	13
25.00 D	6		F	1	1						1	1.00	35	15
25.00 D	7		F	1	1						1	1.00	26	13

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WATER FLEA TEST DATA

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Test Number: 54398 (x) Chronic ( ) Acute hours  
 Test Date: 7-Aug-07  
 Source: MA0003891 Test Material: EFF1 (%)

Conc	Rep	Cont. No. Sex	Start	Daily Survival						Prop Alive	Total Young	Max Young
				1	2	3	4	5	6			
25.00 D	8	F	1	1					1	1.00	40	22
25.00 D	9	F	1	1					1	1.00	33	17
25.00 D	10	F	1	1					1	1.00	38	17
50.00 D	1	F	1	1					1	1.00	35	16
50.00 D	2	F	1	1					1	1.00	34	19
50.00 D	3	F	1	1					1	1.00	24	14
50.00 D	4	F	1	1					1	1.00	37	17
50.00 D	5	F	1	1					1	1.00	34	15
50.00 D	6	F	1	1					1	1.00	38	18
50.00 D	7	F	1	0					0	0.00	0	0
50.00 D	8	F	1	1					1	1.00	32	14
50.00 D	9	F	1	1					1	1.00	29	14
50.00 D	10	F	1	1					1	1.00	30	13
75.00 D	1	F	1	1					1	1.00	41	21
75.00 D	2	F	1	1					1	1.00	28	17
75.00 D	3	F	1	1					1	1.00	35	15
75.00 D	4	F	1	1					1	1.00	35	16
75.00 D	5	F	1	1					1	1.00	38	16
75.00 D	6	F	1	1					1	1.00	39	20
75.00 D	7	F	1	1					1	1.00	31	15
75.00 D	8	F	1	1					1	1.00	42	21
75.00 D	9	F	1	1					1	1.00	36	18
75.00 D	10	F	1	1					1	1.00	17	12
100.00 D	1	F	1	1					1	1.00	40	18
100.00 D	2	F	1	1					1	1.00	38	19
100.00 D	3	F	1	1					1	1.00	35	16
100.00 D	4	F	1	1					1	1.00	39	19
100.00 D	5	F	1	1					1	1.00	35	15
100.00 D	6	F	1	1					1	1.00	35	16
100.00 D	7	F	1	1					1	1.00	38	16
100.00 D	8	F	1	1					1	1.00	30	15
100.00 D	9	F	1	1					1	1.00	35	15
100.00 D	10	F	1	1					1	1.00	31	14

9/5/07

Aquatec Biological Sciences, Inc.

WATER FLEA DAILY REPORT

TEST NUMBER: 54398 (x) Chronic ( ) Acute hours  
 TEST DATE: 7-Aug-07  
 SOURCE: MA0003891 TEST MATERIAL: EFF1 (%)

Conc	Ctrl	Rep	Cont. #	Daily Reproduction										
				1	2	3	4	5	6	7	8	9	10	
0.00	B	1				7	0	12	0					
0.00	B	2				4	0	13	16					
0.00	B	3				4	0	16	21					
0.00	B	4				6	0	15	22					
0.00	B	5				7	0	13	21					
0.00	B	6				7	0	12	14					
0.00	B	7				7	0	11	15					
0.00	B	8				7	0	12	17					
0.00	B	9				6	0	14	18					
0.00	B	10				7	0	13	17	✓				
0.00	D	1				6	0	16	20					
0.00	D	2				5	0	13	17					
0.00	D	3				4	0	17	0					
0.00	D	4				4	0	13	15					
0.00	D	5				5	0	15	17					
0.00	D	6				4	0	12	16					
0.00	D	7				3	0	12	14					
0.00	D	8				5	0	17	16					
0.00	D	9				3	0	15	14					
0.00	D	10				0	3	11	19	✓				
6.25	D	1				4	0	16	18					
6.25	D	2				1	0	15	21					
6.25	D	3				5	0	13	16					
6.25	D	4				4	0	14	15					
6.25	D	5				3	0	14	16					
6.25	D	6				3	0	14	15					
6.25	D	7				2	0	14	15					
6.25	D	8				0	0	13	20					
6.25	D	9				4	0	15	13					
6.25	D	10				0	5	15	16	✓				
12.50	D	1				2	4	15	19					
12.50	D	2				2	0	13	8					
12.50	D	3				0	0	13	17					
12.50	D	4				3	3	15	20					
12.50	D	5				3	0	12	15					
12.50	D	6				6	0	18	18					
12.50	D	7				3	0	12	16					
12.50	D	8				3	0	15	11					
12.50	D	9				2	4	13	16					
12.50	D	10				2	0	13	18	✓				
25.00	D	1				5	0	15	18					
25.00	D	2				3	0	14	21					
25.00	D	3				1	0	14	19					
25.00	D	4				4	0	14	19					
25.00	D	5				2	0	13	8					
25.00	D	6				6	0	15	14					
25.00	D	7				3	0	13	10					

Aquatec Biological Sciences, Inc.

WATER FLEA DAILY REPORT

TEST NUMBER: 54398 (x) Chronic ( ) Acute hours  
 TEST DATE: 7-Aug-07  
 SOURCE: MA0003891 TEST MATERIAL: EFF1 (%)

Conc	Ctrl	Rep	Cont. #	Daily Reproduction										
				1	2	3	4	5	6	7	8	9	10	
25.00	D	8				2	0	16	22					
25.00	D	9				4	0	12	17					
25.00	D	10				0	6	15	17✓					
50.00	D	1				4	0	15	16					
50.00	D	2				4	0	11	19					
50.00	D	3				3	0	14	7					
50.00	D	4				5	0	15	17					
50.00	D	5				5	0	14	15					
50.00	D	6				3	0	17	18					
50.00	D	7				0	0	0	0					
50.00	D	8				5	0	13	14					
50.00	D	9				2	0	13	14					
50.00	D	10				0	6	11	13✓					
75.00	D	1				6	0	14	21					
75.00	D	2				1	0	10	17					
75.00	D	3				5	0	15	15					
75.00	D	4				5	0	14	16					
75.00	D	5				7	0	15	16					
75.00	D	6				3	0	16	20					
75.00	D	7				2	0	15	14					
75.00	D	8				7	0	14	21					
75.00	D	9				5	0	13	18					
75.00	D	10				0	0	5	12✓					
100.00	D	1				7	0	15	18					
100.00	D	2				7	0	12	19					
100.00	D	3				6	0	16	13					
100.00	D	4				6	0	14	19					
100.00	D	5				5	0	15	15					
100.00	D	6				5	0	14	16					
100.00	D	7				7	0	15	16					
100.00	D	8				4	0	11	15					
100.00	D	9				0	5	15	15					
100.00	D	10				0	5	12	14✓					

9/5/07

**Ceriodaphnia dubia Survival and Reproduction Data (Page 1 of 4)**

Client: CAS / GE PITTSFIELD

Test #: 54398

SDG: 10586

Test Description: *Ceriodaphnia dubia* acute / chronic toxicity tests

Effluent (%)	Repl 1	Repl 2	Repl 3	Repl 4	Repl 5	Repl 6	Repl 7	Repl 8	Repl 9	Repl 10	Remarks
Lab Ctrl	0	0	0	0	0	0	0	0	0	0	Day 0
Rec. Ctrl.	0	0	0	0	0	0	0	0	0	0	Sample: 35899
6.25	0	0	0	0	0	0	0	0	0	0	Fed Sel / YCT ✓
12.5	0	0	0	0	0	0	0	0	0	0	Sel Lot #: 73107 Sel
25	0	0	0	0	0	0	0	0	0	0	YCT Lot #: 62107 YC
50	0	0	0	0	0	0	0	0	0	0	Date/time/lnit. KK 8-7-07 14:45
75	0	0	0	0	0	0	0	0	0	0	
100	0	0	0	0	0	0	0	0	0	0	

Lab Ctrl	0	0	0	0	0	0	0	0	0	0	Day 1
Rec. Ctrl.	0	0	0	0	0	0	0	0	0	0	Sample: 35899
6.25	0	0	0	0	0	0	0	0	0	0	Fed Sel / YCT ✓
12.5	0	0	0	0	0	0	0	0	0	0	Sel Lot #: Same
25	0	0	0	0	0	0	0	0	0	0	YCT Lot #: Same
50	0	0	0	0	0	0	0	0	0	0	Date/time/lnit. KK 8-8-07 14:40
75	0	0	0	0	0	0	0	0	0	0	
100	0	0	0	0	0	0	0	0	0	0	

Lab Ctrl	0	0	0	0	0	0	0	0	0	0	Day 2
Rec. Ctrl.	0	0	0	0	0	0	0	0	0	0	Sample: 35947
6.25	0	0	0	0	0	0	0	0	0	0	Fed Sel / YCT ✓
12.5	0	0	0	0	0	0	0	0	0	0	Sel Lot #: 73107 sel
25	0	0	0	0	0	0	0	0	0	0	YCT Lot #: 71907 YC
50	0	0	0	0	0	0	MC	0	0	0	Date/time/lnit.
75	0	0	0	0	0	0	0	0	0	0	8-9-07
100	0	0	0	0	0	0	0	0	0	0	11:00 JG

0=original organism surviving, no young; D=original organism dead; #=# young released;  
 \*=lab-induced mortality. Receiving water is dilution water; Lab water is additional control.

⓪ Missing - Assumed dead. 8-9-07. JG (1:1 LR/mHW)

**Ceriodaphnia dubia Survival and Reproduction Data (Page 2 of 4)**

Client: CAS / GE PITTSFIELD

Test #: 54398

SDG: 10586

Test Description: *Ceriodaphnia dubia* acute / chronic toxicity tests

Effluent (%)	Repl 1	Repl 2	Repl 3	Repl 4	Repl 5	Repl 6	Repl 7	Repl 8	Repl 9	Repl 10	Remarks
Lab Ctrl	7	4	4	6	7	7	7	7	6	7	Day 3
Rec. Ctrl.	6	5	4	4	5	4	3	5	3	0	Sample: 35947
6.25	4	1	5	4	3	3	2	0	4	0	Fed Sel / YCT JR ✓
12.5	2	2	0	3	3	6	3	3	2	2	Sel Lot #: same
25	5	3	1	4	2	6	3	2	4	0	YCT Lot #: same
50	4	4	3	5	5	3	D	5	2	0	Date/time/Init. R 15:40 8/10
75	6	1	5	5	7	3	2	7	5	0	
100	7	7	6	6	5	5	7	4	0	0	

Lab Ctrl	0	0	0	0	0	0	0	0	0	0	Day 4
Rec. Ctrl.	0	0	0	0	0	0	0	0	0	3	Sample: 35975
6.25	0	0	0	0	0	0	0	0	0	5	Fed Sel / YCT ✓
12.5	4	0	0	3	0	0	0	0	4	0	Sel Lot #: Same
25	0	0	0	0	0	0	0	0	0	6	YCT Lot #: Same
50	0	0	0	0	0	0	D	0	0	6	Date/time/Init. KR 8-11-07 10:40
75	0	0	0	0	0	0	0	0	0	0	
100	0	0	0	0	0	0	0	0	5	5	

Lab Ctrl	D <sup>J</sup> 12	13	16	15	13	12	11	12	14	13	Day 5
Rec. Ctrl.	16	13	17	13	15	12	12	17	15	11	Sample: 35975
6.25	16	15	13	14	14 <sup>J/A</sup>	14	14	13	15	15	Fed Sel / YCT ✓
12.5	15	13	13	15	12	18	12	15	13	13	Sel Lot #: same
25	15	14	14	14	13	15	13	16	12	15	YCT Lot #: same
50	15	11	14	15	14	17	D	13	13	11	Date/time/Init.
75	14	10	15	14	15	16	15	14	13	5	8/12/07 14:45
100	15	12	16	14	15	14	15	10/11	15	12	

0=original organism surviving, no young; D=original organism dead; #=# young released;  
 \*=lab-induced mortality. Receiving water is dilution water; Lab LR/MHW water is additional control.

**Ceriodaphnia dubia Survival and Reproduction Data (Page 3 of 4)**

Client: CAS / GE PITTSFIELD

Test #: 54398

SDG: 10586

Test Description: *Ceriodaphnia dubia* acute / chronic toxicity tests

Effluent (%)	Repl 1	Repl 2	Repl 3	Repl 4	Repl 5	Repl 6	Repl 7	Repl 8	Repl 9	Repl 10	Remarks
Lab Ctrl	D*	16	21	22	21	14	15	17	18	17	Day 6
Rec. Ctrl.	20	17	0	15	17	16	14	16	14	19	Sample: <i>Test ended</i>
6.25	18	21	16	15	16	15	15	20	13	16	Fed Sel / YCT
12.5	19	8	17	20	15	18	16	11	16	18	Sel Lot #: _____
25	18	21	19	19	8	14	10	22	17	17	YCT Lot #: _____
50	16	19	7	17	15	18	D	14	14	13	Date/time/Init.
75	21	17	15	16	16	20	14	21	18	12	8-13-07
100	18	19	13	19	15	16	16	15	15	14	14:30 JG

Lab Ctrl											Day 7
Rec. Ctrl.											Sample:
6.25											Fed Sel / YCT
12.5											Sel Lot #:
25											YCT Lot #:
50											Date/time/Init.
75											
100											

Lab Ctrl											Day 8
Rec. Ctrl.											Sample:
6.25											Fed Sel / YCT
12.5											Sel Lot #:
25											YCT Lot #:
50											Date/time/Init.
75											
100											

0=original organism surviving, no young; D=original organism dead; #=# young released; \* =lab-induced mortality. Receiving water is dilution water; Lab LR/MHW water is additional control.



**Ceriodaphnia dubia Survival and Reproduction Data (Page 4 of 4)**

Client: CAS / GE PITTSFIELD

Test #: 54398

SDG: 10586

Test Description: *Ceriodaphnia dubia* acute / chronic toxicity tests

**Sodium thiosulfate control**

Effluent (%)	Repl 1	Repl 2	Repl 3	Repl 4	Repl 5	Repl 6	Repl 7	Repl 8	Repl 9	Repl 10	Remarks
Na thio	0	0	0	0	0	0	0	0	0	0	Day 0 Fed 14:45 8-7-07 KK ✓
Na thio	0	0	0	0	0	0	0	0	0	0	Day 1 Fed 14:40 8-8-07 KK ✓
Na thio	0	0	0	0	0	0	0	0	0	0	Day 2 Fed ✓ 8-9-07 11:00 JG
Na thio	1	4	4	4	4	2	3	5	2	3	Day 3 Fed ✓ 8-10-07 15:40
Na thio	0	0	0	0	0	0	0	0	0	0	Day 4 Fed 10:35 8-11-07 KK ✓
Na thio	16	11	18	11	16	15	15	17	13	15	Day 5 Fed 12:30 8/12/07 ✓
Na thio	17	13	16	23	17	20	16	24	19	15	Day 6 Fed ✓ 8-13-07 14:30 JG ✓
Na thio											Day 7 Fed
Na thio											Day 8 Fed

0=original organism surviving, no young; D=original organism dead; #=# young released;  
 \*=lab-induced mortality. Receiving water is dilution water; Lab water is additional control .

Test  
ende

Documentation of Collection of *Ceriodaphnia dubia* for Toxicity Testing

Brood Board	Date / Time Init. when cleared of Neonates	Date / Time Init. when neonates collected	No. Cups with 8 or more neonates	Fed YCT / <i>Selenastrum</i> (Lot #s)
7/31 A	11:50 8-6-07	KK _____	_____	✓ 93107 Sel
7/31 B	12:25 8-6-07	KK _____	_____	✓ 62107 X
<del>7/31 A</del>	8-6-07 16:45 JG	_____ →	4	✓
7/31 B	8-6-07 16:50 JG	← _____	10	✓
7/31 B	8-6-07 17:30	_____	0	
7/31 A	8-6-07 17:30	_____	1	✓
7/31 A	8/6/07 18:20	_____	2	
7/31 B	8/6/07 18:25	_____	1	
7/31 A	8-6-07 23:00 JG	_____ →	48	✓
7/31 B	8-6-07 23:05 JG	_____ →	48	✓

Project Description / Test Use: GE PITS Chronic C.d.

cdcoll.doc

Water Chemistry Data

Client: CAS / GE PITTSFIELD      Test Description: *C. dubia* acute / chronic toxicity \*      Test #: 54398      SDG: 10586

Lab	INITIAL WATER CHEMISTRY DATA						FINAL WATER CHEMISTRY DATA								
	Day:	0	1	2	3	4	5	6	1	2	3	4	5	6	7
1:1 LR MHW	pH	7.4	7.6	7.7	8.3	7.6	7.4	/	7.4	7.4	4.5	7.4	7.3	7.6	/
	DO	8.2	8.5	8.8	8.8	8.1	8.6	/	8.1	8.1	8.0	8.1	8.1	7.9	/
	Temp.	24.8	24.4	24.6	27.1	24.1	24.2	25.2	24.9	24.5	25.4	24.7	25.2	25.6	/
	Conduct.	215	236	247	241	239	236	/	222	250	253	219	252	250	/
	pH	7.4	7.7	7.7	7.6	7.5	7.3	/	8.0	8.0	8.0	7.8	7.7	7.9	/
6.25% Water)	DO	8.7	8.8	9.4	9.5	9.2	9.1	/	8.1	8.2	7.7	8.0	8.1	7.8	/
	Temp.	25.3	25.6	25.3	25.1	24.7	25.5	/	24.3	24.0	24.9	24.0	25.3	25.2	/
	Conduct.	374	373	230	317	318	318	/	377	380	333	329	332	326	/
	pH	7.8	7.8	7.4	7.6	7.4	7.3	/	8.1	8.1	7.9	7.9	7.8	8.0	/
	DO	8.6	8.8	9.3	9.3	9.1	9.1	/	8.1	8.2	7.8	8.0	8.2	7.8	/
12.5%	Temp.	25.1	25.8	25.2	25.2	24.7	25.4	/	24.5	24.1	25.2	24.4	25.3	25.4	/
	Conduct.	433	430	352	354	326	328	/	432	438	360	358	343	336	/
	pH	7.7	7.9	7.5	7.6	7.4	7.4	/	8.2	8.1	7.9	7.9	7.8	8.0	/
	DO	8.5	8.8	9.3	9.4	9.0	9.1	/	8.1	8.2	7.9	8.0	8.2	7.8	/
	Temp.	25.2	25.5	25.2	25.1	24.7	25.4	/	24.6	24.4	25.5	24.7	25.2	25.5	/
25%	Conduct.	493	483	382	389	338	338	/	488	489	397	387	367	346	/
	pH	7.7	7.9	7.6	7.6	7.4	7.4	/	8.3	8.2	7.8	8.0	7.8	8.0	/
	DO	8.5	8.8	9.2	9.5	8.9	9.1	/	8.0	8.2	7.9	8.0	8.1	7.8	/
	Temp.	25.2	25.5	25.2	25.1	24.7	25.4	/	24.7	24.4	25.7	24.9	25.1	25.6	/
	Conduct.	600	594	444	389	355	356	/	595	599	464	475	368	363	/
50%	pH	7.8	7.9	7.7	7.7	7.4	7.4	/	8.2	8.2	8.0	8.1	7.8	7.9	/
	DO	8.5	8.8	9.4	9.4	8.9	9.0	/	8.1	8.2	8.0	8.0	8.2	7.8	/
	Temp.	25.2	25.3	25.2	25.0	24.5	25.4	/	24.7	24.3	25.5	24.7	25.3	25.6	/
	Conduct.	808	805	560	475	391	392	/	759	783	580	567	406	401	/
	pH	7.9	8.0	7.7	7.7	7.5	7.5	/	8.2	8.1	8.2	8.2	7.9	7.9	/
75%	DO	8.5	8.9	9.5	9.4	9.0	9.0	/	8.2	8.2	8.0	8.0	8.3	7.8	/
	Temp.	25.1	25.2	25.2	25.0	24.4	25.4	/	24.7	24.4	25.4	24.9	25.3	25.6	/
	Conduct.	1022	1013	676	564	427	429	/	925	948	703	670	497	439	/
	pH	7.9	8.0	7.8	7.8	7.5	7.5	/	8.2	8.1	8.2	8.2	7.9	7.9	/
	DO	8.5	8.9	9.7	9.3	9.2	9.0	/	8.2	8.2	8.0	8.0	8.3	7.8	/
100%	Temp.	25.3	24.9	25.2	25.2	24.3	25.5	/	24.7	24.5	25.4	24.7	25.3	25.6	/
	Conduct.	1727	1215	793	795	465	466	/	1106	1131	824	804	479	476	/
	pH	7.9	8.0	7.8	7.8	7.5	7.5	/	8.2	8.2	8.2	8.2	7.9	7.9	/
	DO	8.5	8.9	9.7	9.3	9.2	9.0	/	8.0	8.2	8.0	8.0	8.3	7.7	/
	Temp.	25.3	24.9	25.2	25.2	24.3	25.5	/	24.7	24.5	25.4	24.7	25.3	25.6	/
Sample #	35899	35899	35947	35947	35975	35975	35975								
Init./Date	8/27	8/27	8/8/8	8/8/8	8/10	8/11	8/12								

Aquatec Biological Sciences Williston, Vermont

Reviewed by: [Signature] Date: 9/5/07

Water Chemistry Data

Client: CAS / GE PITTSFIELD      Test Description: *C. dubia* acute / chronic toxicity \*      Test #: 54398      SDG: 10586

INITIAL WATER CHEMISTRY DATA

Day:	0	1	2	3	4	5	6
Na thio							
Control							
pH	7.4	7.4	7.4	7.0	7.5	7.4	
DO	8.4	9.4	8.4	8.7	9.1	9.6	
Temp.	25.5	24.5	25.0	24.8	25.4	24.9	25.0
Conduct.	219	219	221	246	258	248	25
Init./Date	8/7	KK 8/8	KK 8/9	KK 8/10	JK 8/11	J 8/12	

FINAL WATER CHEMISTRY DATA

	1	2	3	4	5	6	7
pH	7.3	7.3	7.5	7.4	7.3	7.6	
DO	8.1	8.1	8.0	8.1	8.8	7.9	
Temp.	24.9	24.6	25.9	24.7	25.0	25.5	
Conduct.	230	227	246	259	259	256	
Init./Date	KK 8/8	JG 8/9	JK 8/10	KK 8/11	J 8/12	JG 8/13	

© correction  
J 8/12

# Alkalinity and Hardness Worksheet

Sample Identifier	LIMS Identifier	Sub ID Code	Sampling Date	Sample Volume	Alkalinity				Hardness						
					Initial Titrant (ml)	Final Titrant (ml)	Analyst	Analysis Date	Sample Volume	Initial Titrant (ml)	Final Titrant (ml)	Analyst	Analysis Date		
35899	Outfall Composite		8/7/07	25	11.2	19.8	JD	8/7/07	344.0	25	17.8	27.2	JD	8/7/07	376.0
35900	Housatonic River		8/7/07	25	19.8	23.2	JD	8/7/07	136.0	50	27.2	35.7	JD	8/7/07	170.0
35947	Outfall Composite		8/9/07	25	2.1	6.4	JG	8/9/07	172.0	25	16.9	22.4	JD	8/9/07	220.0
35948	Housatonic River A		8/9/07	25	6.4	9.3	JG	8/9/07	116.0	50	22.4	29.1	JD	8/9/07	134.0
35975	Outfall Composite:		8/11/07	25	25.6	28.2	KK	8/11/07	104.0	25	3.3	6.4	KK	8/11/07	124.0
35976	Housatonic River:		8/11/07	25	28.2	31	KK	8/11/07	112.0	50	6.4	12.8	KK	8/11/07	128.0

8/9/07

## Sample Preparation

Client: CAS / GE PITTSFIELD	Test #: 54398 ( <i>C. dubia</i> )	SDG: 10586
Test Description: <i>Ceriodaphnia dubia</i> acute / chronic toxicity tests		

**Sample Identification:**

Sample Description	Effluent	Receiving Water	Effluent	Receiving Water	Effluent	Receiving Water
Sample #	35899	35900	35947	35948	35975	35976

**Sample Preparation:**

Filtration	60 micron	60 micron	60 micron	60 micron	60 micron	60 micron
Chlorine <sup>1</sup>	ND	ND	ND	ND	ND	ND
Dechlorine <sup>2</sup>	No	No	No	No	No	No
Prepared by (Init./date)	8-7-07	JK	8-9-07	JK	8-11-07	JK

<sup>1</sup> Record vol. 0.025 N sodium thiosulfate to dechlorinate 100 mL sample or record "ND" (not detected).  
<sup>2</sup> Dechlorination not required per instructions from client.

Daily Dilution Plan for: *Ceriodaphnia dubia* chronic toxicity test

Concentration (%)	Volume Effluent (mL)	Volume Diluent (mL)	Total Volume (mL)
Lab Water (1:1 LR/MHW)	0	300	300
(Additional Control) Na thiosulfate control	0	300	300
Receiving water (Dilution Water)	0	300	300
6.25	18.8	281.2	300
12.5	37.5	262.5	300
25	75	225	300
50	150	150	300
75	225	75	300
100	300	0	300
Total Volume	806.3	1893.7	

**Comments:**

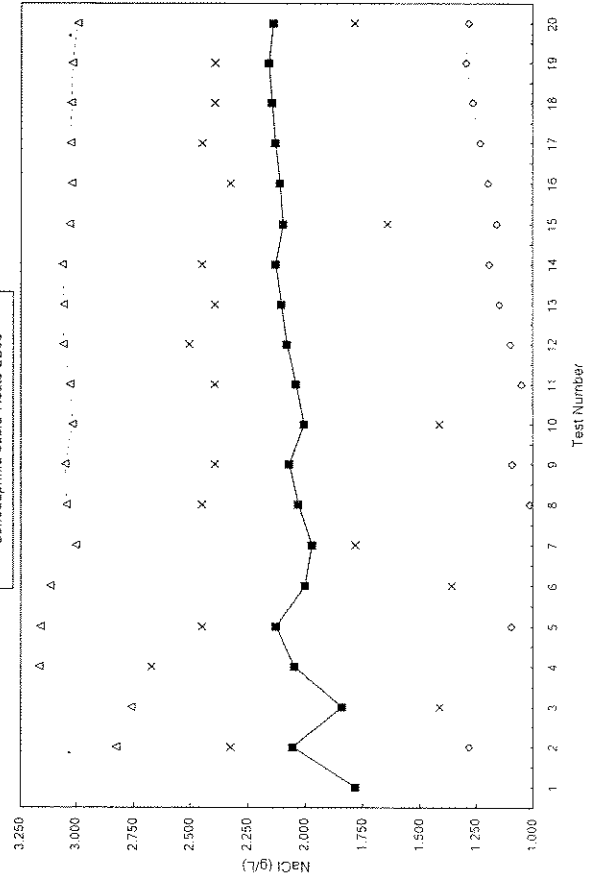
Collect alkalinity and hardness samples on each new effluent and receiving water sample.

**Appendix 5**  
**Standard Reference Toxicant test Control Chart**

*Ceriodaphnia dubia*  
Reference Control Chart for NaCl Acute Toxicity

Test Number	Test Date	LC50 (g/L)	Mean LC50	Calculated limits	Organism Source
				Upper Lower	
1	12/6/2005	1.782	1.78		Aquatec Biological Sciences
2	1/3/2006	2.328	2.06	2.83	Aquatec Biological Sciences
3	2/2/2006	1.414	1.84	2.76	Aquatec Biological Sciences
4	3/2/2006	2.672	2.05	3.17	Aquatec Biological Sciences
5	4/18/2006	2.450	2.13	3.16	Aquatec Biological Sciences
6	5/2/2006	1.361	2.00	3.12	Aquatec Biological Sciences
7	6/13/2006	1.782	1.97	3.00	Aquatec Biological Sciences
8	7/25/2006	2.450	2.03	3.05	Aquatec Biological Sciences
9	8/14/2006	2.395	2.07	3.05	Aquatec Biological Sciences
10	9/5/2006	1.414	2.00	3.02	Aquatec Biological Sciences
11	10/10/2006	2.395	2.04	3.03	Aquatec Biological Sciences
12	11/7/2006	2.505	2.08	3.06	Aquatec Biological Sciences
13	12/15/2006	2.395	2.10	3.06	Aquatec Biological Sciences
14	1/8/2007	2.450	2.13	3.06	Aquatec Biological Sciences
15	2/2/2007	1.641	2.10	3.03	Aquatec Biological Sciences
16	2/26/2007-3/5/07	2.328	2.11	3.02	Aquatec Biological Sciences
17	3/27/07-4/2/07	2.450	2.13	3.03	Aquatec Biological Sciences
18	5/2/07-5/8/07	2.395	2.14	3.03	Aquatec Biological Sciences
19	6/19/07-6/25/07	2.395	2.16	3.02	Aquatec Biological Sciences
20	7/22/07-7/28/07	1.782	2.14	3.00	Aquatec Biological Sciences

Reference Control Chart  
*Ceriodaphnia dubia* Acute LC50

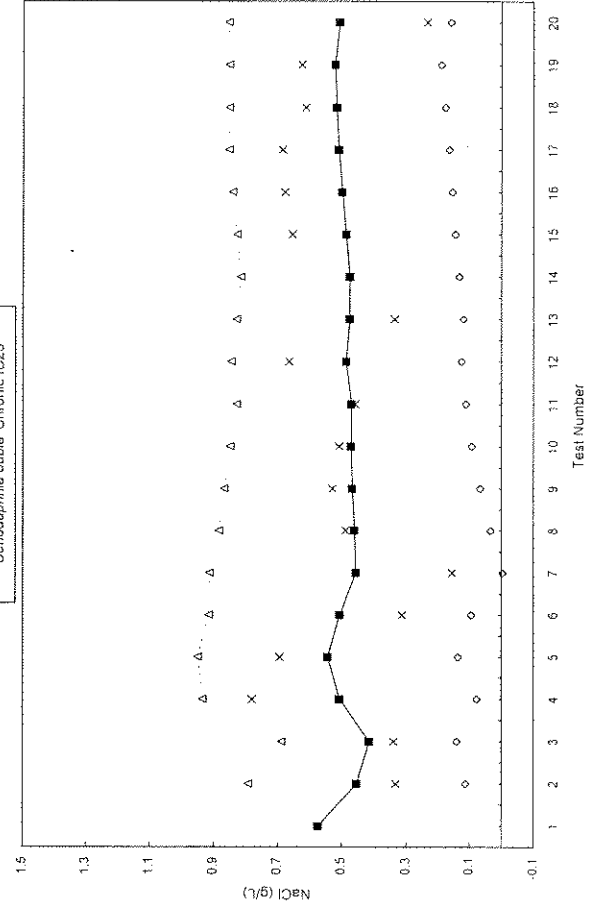


x LC50    — Mean LC50    △ Upper Limit    ◇ Lower Limit

*Ceriodaphnia dubia*  
Reference Control Chart for NaCl Chronic Toxicity

Test Number	Test Date	IC-25 (g/L)	Mean IC-25	Calculated limits	Organism Source
				Upper Lower	
1	12/06/05	0.573	0.57		Aquatec Biological Sciences
2	01/03/06	0.333	0.45	0.79	Aquatec Biological Sciences
3	02/02/06	0.339	0.42	0.69	Aquatec Biological Sciences
4	03/02/06	0.78	0.51	0.93	Aquatec Biological Sciences
5	04/18/06	0.693	0.54	0.95	Aquatec Biological Sciences
6	05/02/06	0.313	0.51	0.91	Aquatec Biological Sciences
7	06/13/06	0.155	0.46	0.91	Aquatec Biological Sciences
8	07/25/06	0.488	0.46	0.88	Aquatec Biological Sciences
9	08/14/06	0.529	0.47	0.87	Aquatec Biological Sciences
10	09/05/06	0.507	0.47	0.85	Aquatec Biological Sciences
11	10/10/06	0.457	0.47	0.83	Aquatec Biological Sciences
12	11/07/06	0.665	0.49	0.85	Aquatec Biological Sciences
13	12/15/06	0.335	0.47	0.83	Aquatec Biological Sciences
14	01/08/07	0.473	0.47	0.82	Aquatec Biological Sciences
15	02/02/07	0.655	0.49	0.83	Aquatec Biological Sciences
16	2/26/2007-3/5/07	0.678	0.50	0.84	Aquatec Biological Sciences
17	3/27/07-4/2/07	0.686	0.51	0.85	Aquatec Biological Sciences
18	5/2/07-5/8/07	0.612	0.52	0.85	Aquatec Biological Sciences
19	6/19/07-6/25/07	0.625	0.52	0.85	Aquatec Biological Sciences
20	7/22/07-7/28/07	0.233	0.51	0.85	Aquatec Biological Sciences

Reference Control Chart  
*Ceriodaphnia dubia* Chronic IC25



x IC-25    — Mean IC-25    △ Upper Limit    ◇ Lower Limit



**Appendix 6**  
**SOP TOX2-002, Standard Operating Procedure for**  
**Cladoceran, *Ceriodaphnia dubia*, Survival and**  
**Reproduction Toxicity Test**

**Note: SOP TOX2-002 has been submitted with prior reports. When any updates are completed for this SOP, an copy of the updated SOP will be included in Appendix 6.**

## **APPENDIX 2**

### **Laboratory Reports**

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

COLUMBIA ANALYTICAL SERVICES

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8408CDM

Date Sampled : 08/06/07 10:50  
Date Received: 08/07/07

Order #: 1022409  
Submission #: R2738799

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	08/09/07	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	08/09/07	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	08/09/07	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	08/09/07	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	08/09/07	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	08/09/07	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	08/09/07	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	08/09/07	1.0

**COLUMBIA ANALYTICAL SERVICES**

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8408CTM

Date Sampled : 08/06/07 10:50

Order #: 1022412

Sample Matrix: WATER

Date Received: 08/07/07

Submission #: R2738799

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	08/09/07	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	08/09/07	1.0
CALCIUM	200.7	1.00	96.4	MG/L	08/09/07	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	08/09/07	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	08/09/07	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	08/09/07	1.0
MAGNESIUM	200.7	1.00	39.2	MG/L	08/09/07	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	08/09/07	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	08/09/07	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	08/09/07	1.0

**COLUMBIA ANALYTICAL SERVICES**

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8409RTM

Date Sampled : 08/06/07 09:10  
Date Received: 08/07/07

Order #: 1022415  
Submission #: R2738799

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.110	MG/L	08/09/07	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	08/09/07	1.0
CALCIUM	200.7	1.00	41.1	MG/L	08/09/07	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	08/09/07	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	08/09/07	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	08/09/07	1.0
MAGNESIUM	200.7	1.00	14.5	MG/L	08/09/07	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	08/09/07	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	08/09/07	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	08/09/07	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8409R

Date Sampled : 08/06/07 09:10  
Date Received: 08/07/07

Order #: 1022403  
Submission #: R2738799

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
AMMONIA	350.1M	0.0500	0.0500 U	MG/L	08/09/07	13:31	1.0
CHLORIDE	SM4500-C	1.00	20.9	MG/L	08/13/07	12:50	1.0
TOTAL ALKALINITY	SM2320B	2.00	156	MG/L	08/09/07	10:10	1.0
TOTAL ORGANIC CARBON	SM5310C	1.00	5.68	MG/L	08/13/07	18:34	1.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0500 U	MG/L	08/14/07	16:03	1.0
TOTAL SOLIDS	SM2540B	10.0	214	MG/L	08/10/07	15:30	1.0
TOTAL SUSPENDED SOLIDS	SM2540D	1.00	9.80	MG/L	08/09/07	10:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8408C

Date Sampled : 08/06/07 10:50  
Date Received: 08/07/07

Order #: 1022406  
Submission #: R2738799

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
AMMONIA	350.1M	0.0500	0.185	MG/L	08/09/07	13:31	1.0
CHLORIDE	SM4500-C	1.00	174	MG/L	08/13/07	12:50	2.0
TOTAL ALKALINITY	SM2320B	2.00	380	MG/L	08/09/07	10:10	1.0
TOTAL ORGANIC CARBON	SM5310C	1.00	6.27	MG/L	08/13/07	19:12	1.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0500 U	MG/L	08/14/07	16:03	1.0
TOTAL SOLIDS	SM2540B	10.0	684	MG/L	08/10/07	15:30	1.0
TOTAL SUSPENDED SOLIDS	SM2540D	1.00	1.00 U	MG/L	08/09/07	10:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8409RCN

---

Date Sampled : 08/06/07 09:10                      Order #: 1022418                      Sample Matrix: WATER  
Date Received: 08/07/07                      Submission #: R2738799

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	08/13/07	10:39	1.0

---



COLUMBIA ANALYTICAL SERVICES

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8409RCN-FLTR

---

Date Sampled : 08/06/07 09:10                      Order #: 1022421                      Sample Matrix: WATER  
Date Received: 08/07/07                      Submission #: R2738799

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	08/13/07	10:39	1.0

**COLUMBIA ANALYTICAL SERVICES**

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8408CCN

---

Date Sampled : 08/06/07 10:50                      Order #: 1022425                      Sample Matrix: WATER  
Date Received: 08/07/07                      Submission #: R2738799

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0244	MG/L	08/13/07	10:39	1.0

---

COLUMBIA ANALYTICAL SERVICES

Reported: 08/15/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC/ACUTE BIOMONITORING - 8/07

Client Sample ID : A8408CCN-FLTR

Date Sampled : 08/06/07 10:50  
Date Received: 08/07/07

Order #: 1022428  
Submission #: R2738799

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	08/13/07	10:39	1.0

\* SPLIT SAMPLE

NPDES Sampling  
GE Pittsfield  
Toxicity pH

Date: August 6, 2007

- \* Acute Dry   
Acute Wet   
\* Chronic  (Day 1, 2 or 3)

Effluent Composite

Sample # A8408C  
Date 8/6/07  
Time 10:50 AM  
pH 7.58 su

River/Dilution Water

Sample # A8409R  
Date 8/6/07  
Time 9:10 AM  
pH 7.54 su

R. C. Coyle 8/6/07  
Signed & Dated

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8410C

Date Sampled : 08/08/07 10:30

Order #: 1022407

Sample Matrix: WATER

Date Received: 08/09/07

Submission #: R2738800

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
AMMONIA	350.1M	0.0500	0.312	MG/L	08/14/07	11:33	1.0
CHLORIDE	SM4500-C	1.00	122	MG/L	08/13/07	12:50	2.0
TOTAL ALKALINITY	SM2320B	2.00	185	MG/L	08/13/07	13:45	1.0
TOTAL ORGANIC CARBON	SM5310C	1.00	5.09	MG/L	08/13/07	20:27	1.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0500 U	MG/L	08/14/07	16:03	1.0
TOTAL SOLIDS	SM2540B	10.0	419	MG/L	08/10/07	15:30	1.0
TOTAL SUSPENDED SOLIDS	SM2540D	1.00	3.80	MG/L	08/13/07	13:45	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8410CCN

Date Sampled : 08/08/07 10:30

Order #: 1022426

Sample Matrix: WATER

Date Received: 08/09/07

Submission #: R2738800

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	08/13/07	10:39	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8410CCN-FLTR

---

Date Sampled : 08/08/07 10:30                      Order #: 1022429                      Sample Matrix: WATER  
Date Received: 08/09/07                      Submission #: R2738800

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	08/13/07	10:39	1.0

---

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8410CTM

Date Sampled : 08/08/07 10:30

Order #: 1022413

Sample Matrix: WATER

Date Received: 08/09/07

Submission #: R2738800

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.107	MG/L	08/15/07	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	08/15/07	1.0
CALCIUM	200.7	1.00	52.4	MG/L	08/15/07	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	08/15/07	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	08/15/07	1.0
LEAD	200.7	0.00500	0.00550	MG/L	08/15/07	1.0
MAGNESIUM	200.7	1.00	23.9	MG/L	08/15/07	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	08/15/07	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	08/15/07	1.0
ZINC	200.7	0.0200	0.0305	MG/L	08/15/07	1.0



COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8410CDM

Date Sampled : 08/08/07 10:30  
Date Received: 08/09/07

Order #: 1022410  
Submission #: R2738800

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	08/15/07	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	08/15/07	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	08/15/07	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	08/15/07	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	08/15/07	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	08/15/07	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	08/15/07	1.0
ZINC	200.7	0.0200	0.0344	MG/L	08/15/07	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8411R

Date Sampled : 08/08/07 08:50

Order #: 1022404

Sample Matrix: WATER

Date Received: 08/09/07

Submission #: R2738800

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
AMMONIA	350.1M	0.0500	0.0500 U	MG/L	08/14/07	11:33	1.0
CHLORIDE	SM4500-C	1.00	18.6	MG/L	08/13/07	12:50	1.0
TOTAL ALKALINITY	SM2320B	2.00	125	MG/L	08/13/07	13:45	1.0
TOTAL ORGANIC CARBON	SM5310C	1.00	5.82	MG/L	08/13/07	19:49	1.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0500 U	MG/L	08/14/07	16:03	1.0
TOTAL SOLIDS	SM2540B	10.0	174	MG/L	08/10/07	15:30	1.0
TOTAL SUSPENDED SOLIDS	SM2540D	1.00	3.60	MG/L	08/13/07	13:45	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8411RCN

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Date Sampled : 08/08/07 08:50                      Order #: 1022419                      Sample Matrix: WATER  
Date Received: 08/09/07                      Submission #: R2738800

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	08/13/07	10:39	1.0

---

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8411RCN-FLTR

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Date Sampled : 08/08/07 08:50                      Order #: 1022423                      Sample Matrix: WATER  
Date Received: 08/09/07                      Submission #: R2738800

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	08/13/07	10:39	1.0

---

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8411RTM

Date Sampled : 08/08/07 08:50  
Date Received: 08/09/07

Order #: 1022416  
Submission #: R2738800

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	08/15/07	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	08/15/07	1.0
CALCIUM	200.7	1.00	33.4	MG/L	08/15/07	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	08/15/07	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	08/15/07	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	08/15/07	1.0
MAGNESIUM	200.7	1.00	11.9	MG/L	08/15/07	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	08/15/07	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	08/15/07	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	08/15/07	1.0

NPDES Sampling  
GE Pittsfield  
Toxicity pH

Date: August 8, 2007

Acute Dry

Acute Wet

Chronic  (Day 1  or 3)

Effluent Composite

Sample # A8410 C

Date 8/8/07

Time 10:30 AM

pH 7.92 su

River/Dilution Water

Sample # A8411 R

Date 8/8/07

Time 8:50 AM

pH 7.35 su

L. C. Gay 8/8/07

Signed & Dated

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8423C

Date Sampled : 08/10/07 10:15

Order #: 1022408

Sample Matrix: WATER

Date Received: 08/11/07

Submission #: R2738801

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
AMMONIA	350.1M	0.0500	0.172	MG/L	08/14/07	11:33	1.0
CHLORIDE	SM4500-C	1.00	65.9	MG/L	08/20/07	14:25	1.0
TOTAL ALKALINITY	SM2320B	2.00	115	MG/L	08/13/07	13:45	1.0
TOTAL ORGANIC CARBON	SM5310C	1.00	6.13	MG/L	08/16/07	17:48	1.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0500 U	MG/L	08/22/07	14:31	1.0
TOTAL SOLIDS	SM2540B	10.0	256	MG/L	08/14/07	11:30	1.0
TOTAL SUSPENDED SOLIDS	SM2540D	1.00	4.00	MG/L	08/15/07	11:30	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8423CCN

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Date Sampled : 08/10/07 10:15                      Order #: 1022427                      Sample Matrix: WATER  
Date Received: 08/11/07                      Submission #: R2738801

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	08/16/07	09:22	1.0

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COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8423CCN-FLTR

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Date Sampled : 08/10/07 10:15                      Order #: 1022430                      Sample Matrix: WATER  
Date Received: 08/11/07                      Submission #: R2738801

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	08/16/07	09:22	1.0

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**COLUMBIA ANALYTICAL SERVICES**

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8423CTM

Date Sampled : 08/10/07 10:15  
Date Received: 08/11/07

Order #: 1022414  
Submission #: R2738801

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	08/15/07	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	08/15/07	1.0
CALCIUM	200.7	1.00	31.2	MG/L	08/15/07	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	08/15/07	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	08/15/07	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	08/15/07	1.0
MAGNESIUM	200.7	1.00	11.7	MG/L	08/15/07	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	08/15/07	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	08/15/07	1.0
ZINC	200.7	0.0200	0.0399	MG/L	08/15/07	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8423CDM

Date Sampled : 08/10/07 10:15

Order #: 1022411

Sample Matrix: WATER

Date Received: 08/11/07

Submission #: R2738801

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	08/15/07	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	08/15/07	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	08/15/07	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	08/15/07	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	08/15/07	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	08/15/07	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	08/15/07	1.0
ZINC	200.7	0.0200	0.0464	MG/L	08/15/07	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8424R

---

Date Sampled : 08/10/07 08:45                      Order #: 1022405                      Sample Matrix: WATER  
Date Received: 08/11/07                      Submission #: R2738801

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
AMMONIA	350.1M	0.0500	0.0500 U	MG/L	08/14/07	11:33	1.0
CHLORIDE	SM4500-C	1.00	19.5	MG/L	08/20/07	14:25	1.0
TOTAL ALKALINITY	SM2320B	2.00	126	MG/L	08/13/07	13:45	1.0
TOTAL ORGANIC CARBON	SM5310C	1.00	5.52	MG/L	08/16/07	17:10	1.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0500 U	MG/L	08/22/07	14:31	1.0
TOTAL SOLIDS	SM2540B	10.0	189	MG/L	08/14/07	11:30	1.0
TOTAL SUSPENDED SOLIDS	SM2540D	1.00	1.60	MG/L	08/15/07	11:30	1.0

---

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8424RCN

---

Date Sampled : 08/10/07 08:45                      Order #: 1022420                      Sample Matrix: WATER  
Date Received: 08/11/07                      Submission #: R2738801

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	08/16/07	09:22	1.0

---

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8424RCN-FLTR

---

Date Sampled : 08/10/07 08:45                      Order #: 1022424                      Sample Matrix: WATER  
Date Received: 08/11/07                      Submission #: R2738801

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	08/16/07	09:22	1.0

---

COLUMBIA ANALYTICAL SERVICES

Reported: 08/27/07

General Electric

Project Reference: GE-PITTSFIELD CHRONIC BIOMONITORING - 8/07

Client Sample ID : A8424RTM

Date Sampled : 08/10/07 08:45

Order #: 1022417

Sample Matrix: WATER

Date Received: 08/11/07

Submission #: R2738801

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	08/15/07	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	08/15/07	1.0
CALCIUM	200.7	1.00	32.6	MG/L	08/15/07	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	08/15/07	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	08/15/07	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	08/15/07	1.0
MAGNESIUM	200.7	1.00	11.6	MG/L	08/15/07	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	08/15/07	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	08/15/07	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	08/15/07	1.0

NPDES Sampling  
GE Pittsfield  
Toxicity pH

Date: August 10, 2007

Acute Dry

Acute Wet

Chronic  (Day 1, 2 of 3)

Effluent Composite

Sample # A8423C

Date 8/10/07

Time 10:15 AM

pH 7.67 su →

*per phone call to  
Seamus Coyle 8/15/07*

River/Dilution Water

Sample # A8424R

Date 8/10/07

Time 8:45 AM

pH 7.28 su

*[Signature]* 8/10/07  
Signed & Dated



## **APPENDIX 3**

### **Chain of Custody Forms**



# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 2 OF 3

SR # \_\_\_\_\_  
CAS Contact \_\_\_\_\_

Project Name <b>NPDES PERMIT</b>		Project Number <b>J. Nicholson</b>		Report CC <b>G.E. CER</b>		ANALYSIS REQUESTED (Include Method Number and Container Preservative)	
Company/Address <b>159 PLASTICS AVE BLDG 59 PITTSFIELD, MA. 01201</b>		Phone # <b>(413) 448-5915</b>		FAX # <b>(413) 448-5935</b>		PRESERVATIVE	
Sampler's Signature <b>[Signature]</b>		Sampler's Printed Name <b>SEAN C. COYLE</b>		Sampler's Printed Name		PRELIMINARY ANALYSIS RESULTS	
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX	NUMBER OF CONTAINERS	GCMS VOAS 8260 624 CLP 8270 625 CLP GC VOAS 8021 601/602 PESTICIDES 8081 608 CLP 8082 608 CLP PCBS 8081 608 CLP 8082 608 CLP METALS, TOTAL(GC/EP) 8007 METALS, DISSOLVED(GC/EP) 8007 EPA 335.4 EPA 335.4 EPA 335.4 EPA 335.4 EPA 335.4	PRELIMINARY ANALYSIS RESULTS
A7408CTM	1022412	8/6/07	10:30 AM	H2O	1	X	
A7409RTM	1022415	8/6/07	9:10 AM	H2O	1	X	
A7408CDM	1022409	8/6/07	10:30 AM	H2O	1	X	
A7408CCN	1022425	8/6/07	10:30 AM	H2O	1	X	
A7409RCN	1022418	8/6/07	9:10 AM	H2O	1	X	
A7408CCNQ	1022425	8/6/07	10:30 AM	H2O	1	X	
A7408CCNQ-FLTR	1022428	8/6/07	10:30 AM	SOLID	1	X	
A7408CCN-FLTR	1022428	8/6/07	10:30 AM	SOLID	1	X	
A7409RCN-FLTR	1022424	8/6/07	9:10 AM	SOLID	1	X	
SPECIAL INSTRUCTIONS/COMMENTS: <b>Metals TOTAL METALS (10) &amp; DISSOLVED METALS (8) &amp; (176) LISTED ON SAMPLE BOTTLES</b> <b>260 ml OF SAMPLE FILTERED THROUGH PAD</b> <b>- AUG 2007 URANIC TOX. DAY 1 &amp; DRY ACUTE TOX. (SPT SAMPLE)</b> <b>- TOX. COMP. &amp; TOX PN SHEETS INCL. W/ COC(S)</b> <b>- SAMPLES PACKED IN ICE</b> See OAPP <input type="checkbox"/>							
SAMPLE RECEIPT: CONDITION/COOLER TEMP. _____		RECEIVED BY <b>[Signature]</b>		CUSTODY SEALS: Y N		RECEIVED BY	
RELINQUISHED BY <b>[Signature]</b>		RELINQUISHED BY <b>[Signature]</b>		RELINQUISHED BY		RELINQUISHED BY	
Signature <b>SEAN C. COYLE</b>		Signature <b>[Signature]</b>		Signature		Signature	
Printed Name <b>SEAN C. COYLE</b>		Printed Name <b>Gregory D. Smerian</b>		Printed Name		Printed Name	
Firm <b>CAS</b>		Firm <b>CAS</b>		Firm		Firm	
Date/Time <b>8/6/07, 2:45 PM</b>		Date/Time <b>8-7-07 9:25</b>		Date/Time		Date/Time	
SUBMISSION # <b>223879</b>		RECEIVED BY <b>[Signature]</b>		RECEIVED BY		RECEIVED BY	
REPORT REQUIREMENTS I. Results Only _____ II. Results + OC Summaries (LCS, DUP, MSMSD as required) _____ III. Results + OC and Calibration Summaries _____ IV. Data Validation Report with Raw Data _____ V. Specialized Forms / Custom Report Edata Yes _____ No _____		TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 24 hr _____ 48 hr _____ 5 day _____ STANDARD REQUESTED FAX DATE _____ REQUESTED REPORT DATE _____		INVOICE INFORMATION PO# _____ BILL TO: _____		INVOICE INFORMATION	



# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR # \_\_\_\_\_  
CAS Contact \_\_\_\_\_

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 X11 • FAX (585) 288-8475 PAGE 1 OF 3

Project Name		Project Number	ANALYSIS REQUESTED (Include Method Number and Container Preservative)		PRESERVATIVE	NUMBER OF CONTAINERS	MATRIX	SAMPLING DATE	SAMPLING TIME	FOR OFFICE USE ONLY	LAB ID	CLIENT SAMPLE ID	SAMPLER'S PRINTED NAME	SAMPLER'S SIGNATURE	FAX #	ADDRESS	CITY	STATE	ZIP	REMARKS/ALTERNATE DESCRIPTION	PRESERVATIVE KEY	
Company/Address	Report CC	Project Manager	Company/Address	City																		State
NPDES PERMIT																						
J. Nicholson																						
G.E. CEP																						
159 PLASTICS AVE																						
PITTSFIELD, MA, 01201																						
(413) 448-5915																						
SEAN C. COYLE																						
SEAN C. COYLE																						
A8407C			1022406	8/2/07	10:30		H2O	3														
A8409R			1022403	8/2/07	9:30		H2O	3														
A8408C			1022406	8/2/07	10:30		H2O	1														
A8409R			1022405	8/2/07	9:30		H2O	1														
A8408C			1022403	8/2/07	10:30		H2O	1														
A8409R			1022406	8/2/07	10:30		H2O	1														
A8408C			1022403	8/2/07	9:30		H2O	1														
A8409R			1022406	8/2/07	10:30		H2O	1														
A8408C			1022403	8/2/07	9:30		H2O	1														
A8409R			1022406	8/2/07	10:30		H2O	1														
A8408C			1022403	8/2/07	9:30		H2O	1														

SPECIAL INSTRUCTIONS/COMMENTS: Metals - SAMPLES PACKED IN ICE

See QAPP  SAMPLE RECEIPT: CONDITION/COOLER TEMP: RECEIVED BY: RELINQUISHED BY: CUSTODY SEALS: Y N RECEIVED BY: RELINQUISHED BY: SIGNATURE: SEAN C. COYLE PRINTED NAME: SEAN C. COYLE FIRM: CAS DATE/TIME: 8/2/07 9:35

### Cooler Receipt And Preservation Check Form

Project/Client GE-Pittsfield Submission Number \_\_\_\_\_

Cooler received on 8-7-07 by: KE COURIER: CAS UPS FEDEX VELOCITY CLIENT

1. Were custody seals on outside of cooler? YES NO
  2. Were custody papers properly filled out (ink, signed, etc.)? YES NO
  3. Did all bottles arrive in good condition (unbroken)? YES NO
  4. Did any VOA vials have significant air bubbles? YES NO N/A
  5. Were Ice or Ice packs present? YES NO
  6. Where did the bottles originate? CAS/ROC, CLIENT
  7. Temperature of cooler(s) upon receipt: 5.3° 4.3° \_\_\_\_\_
- Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes  
 If No, Explain Below No No No No No

Date/Time Temperatures Taken: 8-7-07 @ 9:31

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

**If out of Temperature, Client Approval to Run Samples** \_\_\_\_\_

PC Secondary Review: [Signature]

Cooler Breakdown: Date: \_\_\_\_\_ by: \_\_\_\_\_

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

Explain any discrepancies: \_\_\_\_\_

		YES	NO	Sample I.D.	Reagent	Vol. Added	Final pH
pH	Reagent						
≥12	NaOH						
≤2	HNO <sub>3</sub>						
≤2	H <sub>2</sub> SO <sub>4</sub>						
Residual Chlorine (+/-)	for TCN & Phenol						

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

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

**Other Comments:**

PC Secondary Review: \_\_\_\_\_

\* SPLIT SAMPLE

8/6/2007

CHRONIC AQUATIC TOXICITY COMPOSITE 8C1

2 ACUTE DRY TOX.

Month: AUG  
Week: 2  
Fiscal Wk: 32  
Weather: DRY

This Effluent sample is a flow proportioned composite made from 24 Hr  
Composite samples collected at the indicated outfalls and specified times.

Outfall #	Collection Time	Gallons/Day	MI in Composite	Percent of Composite
001	7:55AM	3,250	573.86	3.83%
004		0	-	0.00%
007		0	-	0.00%
64T	7:00AM	3,671	648.20	4.32%
64G	7:00AM	78,030	13,777.94	91.85%
09A		0	-	0.00%
09B	8:10AM	0	-	0.00%
		84,951	15000	100.00%

The Acute Toxicity Composite was made today by SEAN C. COYLE @ 10:50 AM  
according to the table above, and given the sample ID# A8408C

Sean C. Coyle  
Signed

8/6/07  
Date

Chain-of-Custody Form Number: <u>5986</u>
Analysis: <u>DAY 1 C. TOX. COMP. 2</u>
TIME: <u>10:50 AM</u> Date: <u>8/6/07</u>
Location: <u>10:50 AM</u>
Sample Label Serial Number <u>A 8408C</u>

# Aquatec Biological Sciences

## Chain-of-Custody Record

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

COMPANY INFORMATION		COMPANY'S PROJECT INFORMATION				SHIPPING INFORMATION		VOLUME/CONTAINER TYPE/ PRESERVATIVE						
Name: General Electric Company Address: O'Brien & Gere 1000 East Street, Gate 64 City/State/Zip: Pittsfield, MA 01201 Telephone: (413) 494-6709 Facsimile: (413) 494-7052 Contact Name: Sean Coyle		Project Name: GE PITTSFIELD <b>Outfall Composite - INITIAL SAMPLE</b> Project Number: 07003 Sampler Name(s): SEAN C. COYLE NPDES Permit #: MA0003891 Ship these samples on Monday. Quote #: 10/05 Client Code: GEPITTS				Carrier: <u>PRIMORITY EXPRESS</u> Airbill Number: _____ Date Shipped: <u>8/6/07</u> Hand Delivered: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		4°C _____ 4°C _____ 4°C _____ 4°C _____ _____ H <sub>2</sub> SO <sub>4</sub> _____ Plastic _____ Plastic _____ Glass _____ _____ Plastic _____ 1 gal _____ 1/2 gal _____ 1 L _____ 40 ml _____ 40 mL _____						
SAMPLE IDENTIFICATION	COLLECTION		GRAB	COMPOSITE	MATRIX	ANALYSIS	NUMBER OF CONTAINERS							
	DATE	TIME												
Outfall Composite <b>A2408C</b>	8/6/07	10:50 AM		X	Effluent	Ceriodaphnia dubia chronic survival and reproduction (EPA Met hod 1002.0) Initial sample	1							
Outfall Composite <b>A2408C</b>	8/6/07	10:50 AM		X	Effluent	Total Residual Chlorine					1			
Housatonic River <b>A2409R</b>	8/6/07	9:00 AM	X		Receiving	Dilution Water	2							
Housatonic River <b>A2409R</b>	8/6/07	9:00 AM	X		Receiving	Total Residual Chlorine					1			
Relinquished by: (signature) <i>Sean C. Coyle</i>	DATE 8/6/07 <i>4:40 PM</i>	TIME 11:00 PM	Received by: (signature) <i>Ron Dukeman</i>		NOTES TO SAMPLER(S): (1): Complete the labels (Date, time, initials) and cover the labels with clear tape. Tape the caps of the sample bottles to ensure that they do not become dislodged during shipment. Nest the samples in sufficient ice to maintain 0°C ± 6°C. Results for samples received at temperatures exceeding 6°C will be qualified in report.									
Relinquished by: (signature) <i>Sean C. Coyle</i>	DATE 8/6/07	TIME 17:35	Received by: (signature) <i>[Signature]</i>		Notes to Lab: Ambient cooler temperature: 22 °C. Dechlorinate the effluent sample if chlorine is detected.									
Relinquished by: (signature)	DATE	TIME	Received by: (signature)											



# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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

SR # \_\_\_\_\_  
CAS Contact \_\_\_\_\_

Project Name		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)		PRESERVATIVE		PRESERVATIVE		REMARKS/ALTERNATE DESCRIPTION	
Project Manager		Report CC		METALS, TOTAL (List in comments below)		METALS, DISSOLVED (List in comments below)		METALS, TOTAL		PCBs	
Company/Address		Company/Address		PESTICIDES		GCMS VOAs		GCMS SVOAs		INVOICE INFORMATION	
159 PLASTICS AVE BLDG 59		Pittsfield, MA. 01201		GCMS VOAs		GCMS SVOAs		PCBs		REPORT REQUIREMENTS	
Phone #		FAX #		Pesticides		GCMS VOAs		GCMS SVOAs		I. Results Only	
(413) 448-5915		(413) 448-5935		GCMS VOAs		GCMS SVOAs		PCBs		II. Results + QC Summaries (LCS, DUP, MS/MSD as required)	
Sample's Signature		Sample's Printed Name		Pesticides		GCMS VOAs		GCMS SVOAs		III. Results + QC and Calibration Summaries	
Joseph C. Hamlin		Joseph C. Hamlin		Pesticides		GCMS VOAs		GCMS SVOAs		IV. Data Validation Report with Raw Data	
FOR OFFICE USE ONLY		LAB ID		SAMPLING DATE		SAMPLING TIME		MATRIX		V. Specialized Forms / Custom Report	
CLIENT SAMPLE ID		LAB ID		DATE		TIME		MATRIX		Edata Yes No	
AR410C		1022407		8-8-07		10:30 AM		H <sub>2</sub> O		SUBMISSION #: R2738800	
AR411R		1022404		8-8-07		8:50 AM		H <sub>2</sub> O		RECEIVED BY	
AR410C		1022407		8-8-07		10:30 AM		H <sub>2</sub> O		Signature	
AR411R		1022404		8-8-07		8:50 AM		H <sub>2</sub> O		Printed Name	
AR410C		1022407		8-8-07		10:30 AM		H <sub>2</sub> O		Firm	
AR411R		1022404		8-8-07		8:50 AM		H <sub>2</sub> O		Date/Time	
AR410C		1022407		8-8-07		10:30 AM		H <sub>2</sub> O		RECEIVED BY	
AR411R		1022404		8-8-07		8:50 AM		H <sub>2</sub> O		Signature	
AR410C		1022407		8-8-07		10:30 AM		H <sub>2</sub> O		Printed Name	
AR411R		1022404		8-8-07		8:50 AM		H <sub>2</sub> O		Firm	
AR410C		1022407		8-8-07		10:30 AM		H <sub>2</sub> O		Date/Time	
AR411R		1022404		8-8-07		8:50 AM		H <sub>2</sub> O		RECEIVED BY	
SPECIAL INSTRUCTIONS/COMMENTS											
Metals											
- SAMPLES PACKED IN ICE											
See OAPP <input type="checkbox"/>											
SAMPLE RECEIPT: CONDITION/COOLER TEMP. _____ CUSTODY SEALS: Y N											
RECEIVED BY _____ RELINQUISHED BY _____											
Signature: <i>J. C. Gagnier</i> Signature: _____											
Printed Name: <i>Joseph C. Gagnier</i> Printed Name: _____											
Firm: <i>CAS</i> Firm: _____											
Date/Time: <i>8-9-07 9:25</i> Date/Time: _____											



# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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

SR # \_\_\_\_\_ CAS Contact \_\_\_\_\_

Project Name		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)		PRESERVATIVE		PRELIMINARY TESTS		REMARKS/ALTERNATE DESCRIPTION	
Project Manager		Report CC		PRESERVATIVE		PRELIMINARY TESTS		REMARKS/ALTERNATE DESCRIPTION		REMARKS/ALTERNATE DESCRIPTION	
Company/Address		Company/Address		PRESERVATIVE		PRELIMINARY TESTS		REMARKS/ALTERNATE DESCRIPTION		REMARKS/ALTERNATE DESCRIPTION	
Phone #		Phone #		PRESERVATIVE		PRELIMINARY TESTS		REMARKS/ALTERNATE DESCRIPTION		REMARKS/ALTERNATE DESCRIPTION	
Sampler's Signature		Sampler's Printed Name		PRESERVATIVE		PRELIMINARY TESTS		REMARKS/ALTERNATE DESCRIPTION		REMARKS/ALTERNATE DESCRIPTION	
Client Sample ID		FOR OFFICE USE ONLY		PRESERVATIVE		PRELIMINARY TESTS		REMARKS/ALTERNATE DESCRIPTION		REMARKS/ALTERNATE DESCRIPTION	
LAB ID		LAB ID		PRESERVATIVE		PRELIMINARY TESTS		REMARKS/ALTERNATE DESCRIPTION		REMARKS/ALTERNATE DESCRIPTION	
SAMPLING DATE		SAMPLING DATE		PRESERVATIVE		PRELIMINARY TESTS		REMARKS/ALTERNATE DESCRIPTION		REMARKS/ALTERNATE DESCRIPTION	
TIME		TIME		PRESERVATIVE		PRELIMINARY TESTS		REMARKS/ALTERNATE DESCRIPTION		REMARKS/ALTERNATE DESCRIPTION	
MATRIX		MATRIX		PRESERVATIVE		PRELIMINARY TESTS		REMARKS/ALTERNATE DESCRIPTION		REMARKS/ALTERNATE DESCRIPTION	
AP410CTM	1022413	8-30-07	10:30 AM	H <sub>2</sub> O	1						
A8411RTM	1022416	8-30-07	8:30 AM	H <sub>2</sub> O	1						
A8410CDM	1022410	8-30-07	10:30 AM	H <sub>2</sub> O	1						
A8410CCN	1022426	8-30-07	10:30 AM	H <sub>2</sub> O	1						
A8411RCN	1022414	8-30-07	8:30 AM	H <sub>2</sub> O	1						
A8410CCN-FLTR	1022429	8-30-07	10:30 AM	H <sub>2</sub> O	1						
A8411RCN-FLTR	1022423	8-30-07	8:30 AM	Solid	1						
09C-A8412		8-30-07	2:30 PM	H <sub>2</sub> O	1						
06A-A8414		8-30-07	3:00 PM	H <sub>2</sub> O	1						

SPECIAL INSTRUCTIONS/COMMENTS		TURNAROUND REQUIREMENTS		REPORT REQUIREMENTS		INVOICE INFORMATION	
Metals TOTAL METALS (10) + DISSOLVED METALS (8) LISTED ON SAMPLE BOTTLES.		RUSH (SURCHARGES APPLY) 24 hr 48 hr 5 day		I. Results Only		PO#	
260 ML of sample filtered through pad		STANDARD		II. Results + QC Summaries (LCS, DUP, MSMSD as required)		BILL TO:	
Aug 2007 chronic tox day #2		REQUESTED FAX DATE		III. Results + QC and Calibration Summaries			
Tox comp + tox pH sheets incl. w/ cools)		REQUESTED REPORT DATE		IV. Data Validation Report with Raw Data			
Samples packed in Ice.				V. Specialized Forms / Custom Report		SUBMISSION #:	
See CAPP				Edata Yes No		RECEIVED BY	

SAMPLE RECEIPT: CONDITION/COOLER TEMP.		CUSTODY SEALS: Y N	
RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: J. C. Coyle	Signature: [Signature]	Signature	Signature
Printed Name: J. C. Coyle	Printed Name: [Name]	Printed Name	Printed Name
Firm: CAS	Firm: [Firm]	Firm	Firm
Date/Time: 8/30/07 2:30pm	Date/Time: 8-30-07 9:25	Date/Time	Date/Time



### Cooler Receipt And Preservation Check Form

Project/Client GE-Pittsfield Submission Number \_\_\_\_\_

Cooler received on 8-9-07 by: KE COURIER: CAS UPS FEDEX VELOCITY CLIENT

1. Were custody seals on outside of cooler? YES NO
  2. Were custody papers properly filled out (ink, signed, etc.)? YES NO
  3. Did all bottles arrive in good condition (unbroken)? YES NO
  4. Did any VOA vials have significant air bubbles? YES NO N/A
  5. Were Ice or Ice packs present? YES NO
  6. Where did the bottles originate? CAS/ROC, CLIENT
  7. Temperature of cooler(s) upon receipt: 4.4° 4.1° \_\_\_\_\_
- Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes

If No, Explain Below No No No No No

Date/Time Temperatures Taken: 8-9-07 @ 9:36

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

If out of Temperature, Client Approval to Run Samples \_\_\_\_\_

PC Secondary Review: C 8/9/07

Cooler Breakdown: Date: \_\_\_\_\_ by: \_\_\_\_\_

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

Explain any discrepancies: \_\_\_\_\_

		YES	NO	Sample I.D.	Reagent	Vol. Added	Final pH
pH	Reagent						
≥12	NaOH						
≤2	HNO <sub>3</sub>						
≤2	H <sub>2</sub> SO <sub>4</sub>						
Residual Chlorine (+/-)	for TCN & Phenol						

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

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

Other Comments:

PC Secondary Review: \_\_\_\_\_

8/8/2007

CHRONIC AQUATIC TOXICITY COMPOSITE 8C2

Month: AUG  
Week: 2  
Fiscal Wk: 32  
Weather: WET

*This Effluent sample is a flow proportioned composite made from 24 Hr  
Composite samples collected at the indicated outfalls and specified times.*

Outfall #	Collection Time	Gallons/Day	Ml in Composite	Percent of Composite
001	7:20AM	269,400	8,021.29	53.48%
004		0	-	0.00%
007		0	-	0.00%
64T	7:05AM	98,383	2,929.32	19.53%
64G	7:05AM	71,520	2,129.48	14.20%
09A		0	-	0.00%
09B	7:45AM	64,481	1,919.90	12.80%
		503,784	15000	100.00%

The Acute Toxicity Composite was made today by SEAN C. COYLE @ 10:30 AM  
according to the table above, and given the sample ID# A8410C

Sean C. Coyle  
Signed  
8/8/07  
Date

Chain-of-Custody Form Number:	<u>5987</u>
Analysis:	<u>DAY 2 C. TOX Comp</u>
Location:	<u>10:30 AM</u>
Date:	<u>8-8-07</u>
Sample Label Serial Number	<u>A 8410C</u>

# Aquatec Biological Sciences

## Chain-of-Custody Record

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

COMPANY INFORMATION		COMPANY'S PROJECT INFORMATION				SHIPPING INFORMATION		VOLUME/CONTAINER TYPE/ PRESERVATIVE			
Name: General Electric Company Address: O'Brien & Gere 1000 East Street, Gate 64 City/State/Zip: Pittsfield, MA 01201 Telephone: (413) 494-6709 Facsimile: (413) 494-7052 Contact Name: Sean Coyle		Project Name: GE PITTSFIELD <b>Outfall Composite - RENEWAL SAMPLE</b> Project Number: 07003 Sampler Name(s): <u>SEAN COYLE</u> NPDES Permit #: MA0003891 Ship these samples on Wednesday. Quote #: 10/05 Client Code: GEPITTS				Carrier: <u>FLORIDY EXPRESS</u> Airbill Number: _____ Date Shipped: <u>8-8-07</u> Hand Delivered: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		4°C      4°C      4°C      4°C _____      _____      _____      _____ _____      _____      _____      _____ Plastic      Plastic      Plastic      Glass 1 gal      1/2 gal      1 L      40 ml 0.1			
SAMPLE IDENTIFICATION	COLLECTION		GRAB	COMPOSITE	MATRIX	ANALYSIS	NUMBER OF CONTAINERS				
	DATE	TIME					1	2	3	4	
Outfall Composite A-8410C	8/2/07	10:30 AM		X	Effluent	Ceriodaphnia dubia chronic survival and reproduction (EPA Method 1002.0) - Renewal 1	1				
Outfall Composite A-8410C	8/2/07	10:30 AM		X	Effluent	Total Residual Chlorine					1
Nousatonic River A-8411R	8/2/07	8:50 AM	X		Receiving	Dilution Water	2				
Housatonic River A-8411R	8/2/07	8:50 AM	X		Receiving	Total Residual Chlorine					1
Relinquished by: (signature) <i>R. C. Coyle</i>	DATE 8/2/07	TIME 11:55 AM	Received by: (signature) <i>M. Lynch #704</i>		NOTES TO SAMPLER(S): (1): Complete the labels (Date, time, initials) and cover the labels with clear tape. Tape the caps of the sample bottles to ensure that they do not become dislodged during shipment. Nest the samples in sufficient ice to maintain 0°C to 6°C. Results for samples received at temperatures exceeding 6°C will be qualified in the report.						
Relinquished by: (signature)	DATE 8-9-07	TIME 8:50	Received by: (signature) <i>J. Gall</i>		Notes to Lab: Ambient cooler temperature: <u>0.0°C</u> . Dechlorinate the effluent sample if chlorine is detected.						
Relinquished by: (signature)	DATE	TIME	Received by: (signature)								





# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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

SR # \_\_\_\_\_ CAS Contact \_\_\_\_\_

Project Name		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)		PRESERVATIVE	NUMBER OF CONTAINERS	MATRIX	SAMPLING		REMARKS/ ALTERNATE DESCRIPTION
Report CC		FOR OFFICE USE ONLY		PRELIMINARY TESTS					DATE	TIME	
NPPDES PERMIT		1022414		METALS, TOTAL (EPA 8210) METALS, DISSOLVED (EPA 8210) METALS, TOTAL (EPA 8210) PCBS (EPA 8082) PESTICIDES (EPA 8081) GC VOAS (EPA 8210) GCMS SVOAS (EPA 8260)		2	1	8-10-07	10:15 AM	H <sub>2</sub> O	Filtered + preserved
J. Nicholson		1022417		METALS, TOTAL (EPA 8210) METALS, DISSOLVED (EPA 8210) METALS, TOTAL (EPA 8210) PCBS (EPA 8082) PESTICIDES (EPA 8081) GC VOAS (EPA 8210) GCMS SVOAS (EPA 8260)		2	1	8-10-07	8:45 AM	H <sub>2</sub> O	
G. E. COYLE		1022411		METALS, TOTAL (EPA 8210) METALS, DISSOLVED (EPA 8210) METALS, TOTAL (EPA 8210) PCBS (EPA 8082) PESTICIDES (EPA 8081) GC VOAS (EPA 8210) GCMS SVOAS (EPA 8260)		2	1	8-10-07	10:15 AM	H <sub>2</sub> O	
189 PLASTICS AVE		1022427		METALS, TOTAL (EPA 8210) METALS, DISSOLVED (EPA 8210) METALS, TOTAL (EPA 8210) PCBS (EPA 8082) PESTICIDES (EPA 8081) GC VOAS (EPA 8210) GCMS SVOAS (EPA 8260)		2	1	8-10-07	10:15 AM	H <sub>2</sub> O	
PITTSFIELD, MA 01201		1022420		METALS, TOTAL (EPA 8210) METALS, DISSOLVED (EPA 8210) METALS, TOTAL (EPA 8210) PCBS (EPA 8082) PESTICIDES (EPA 8081) GC VOAS (EPA 8210) GCMS SVOAS (EPA 8260)		2	1	8-10-07	8:45 AM	H <sub>2</sub> O	
Phone # (413) 448-5715		1022424		METALS, TOTAL (EPA 8210) METALS, DISSOLVED (EPA 8210) METALS, TOTAL (EPA 8210) PCBS (EPA 8082) PESTICIDES (EPA 8081) GC VOAS (EPA 8210) GCMS SVOAS (EPA 8260)		2	1	8-10-07	10:15 AM	H <sub>2</sub> O	
FAX # (413) 448-5935		1022424		METALS, TOTAL (EPA 8210) METALS, DISSOLVED (EPA 8210) METALS, TOTAL (EPA 8210) PCBS (EPA 8082) PESTICIDES (EPA 8081) GC VOAS (EPA 8210) GCMS SVOAS (EPA 8260)		2	1	8-10-07	8:45 AM	H <sub>2</sub> O	
Sampler's Signature: <i>J. Nicholson</i>		Sampler's Printed Name: J. Nicholson		Sampler's Signature: <i>G. E. Coyle</i>		Sampler's Printed Name: G. E. Coyle					
CLIENT SAMPLE ID		FOR OFFICE USE ONLY		SAMPLING		MATRIX					
A8423 CDM		1022414		8-10-07 10:15 AM		H <sub>2</sub> O					
A8424 RTM		1022417		8-10-07 8:45 AM		H <sub>2</sub> O					
A8423 CDM		1022411		8-10-07 10:15 AM		H <sub>2</sub> O					
A8423 CCN		1022427		8-10-07 10:15 AM		H <sub>2</sub> O					
A8424 RCN		1022420		8-10-07 8:45 AM		H <sub>2</sub> O					
A8423 CON.PTR		1022424		8-10-07 10:15 AM		H <sub>2</sub> O					
A8424 CON.FTR		1022424		8-10-07 8:45 AM		H <sub>2</sub> O					
SPECIAL INSTRUCTIONS/COMMENTS		TURNAROUND REQUIREMENTS		REPORT REQUIREMENTS		INVOICE INFORMATION					
Metals TOTAL METALS (10) + DISSOLVED METALS (8) LISTED ON SAMPLE BOTTLES. 1 250 ML OF SAMPLE FILTERED THROUGH PAD - AUG 2007 CHRONIC TOX, DAY #3 - TOX COMP + TOX PH SHEETS INCL. w/ DOC(S) - SAMPLES PACKED IN ICE.		RUSH (SURCHARGES APPLY) 24 hr <input type="checkbox"/> 48 hr <input checked="" type="checkbox"/> 5 day STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE		I. Results Only II. Results + QC Summaries (LCS, DUP, NSMISD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report Edata <input type="checkbox"/> Yes <input type="checkbox"/> No		PO# BILL TO: SUBMISSION # <i>1022424</i>					
SAMPLE RECEIPT: CONDITION/COOLER TEMP. _____		CUSTODY SEALS: Y N		RECEIVED BY		RECEIVED BY					
RELINQUISHED BY		RELINQUISHED BY		RELINQUISHED BY		RELINQUISHED BY					
Signature: <i>J. Nicholson</i>		Signature: _____		Signature: _____		Signature: _____					
Printed Name: J. Nicholson		Printed Name: _____		Printed Name: _____		Printed Name: _____					
Firm: _____		Firm: _____		Firm: _____		Firm: _____					
Date/Time: 8-11-07 9:05		Date/Time: _____		Date/Time: _____		Date/Time: _____					

**Cooler Receipt And Preservation Check Form**

Project/Client GE-Pittsfield Submission Number \_\_\_\_\_

Cooler received on 8-11-07 by: AE COURIER: CAS UPS FEDEX VELOCITY CLIENT

- 1. Were custody seals on outside of cooler? YES NO
- 2. Were custody papers properly filled out (ink, signed, etc.)? YES NO
- 3. Did all bottles arrive in good condition (unbroken)? YES NO
- 4. Did any VOA vials have significant air bubbles? YES NO N/A
- 5. Were Ice or Ice packs present? YES NO
- 6. Where did the bottles originate? CAS/ROC CLIENT
- 7. Temperature of cooler(s) upon receipt: 3.1° 3.5° \_\_\_\_\_

Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes  
 If No, Explain Below No No No No No

Date/Time Temperatures Taken: 8-11-07 @ 9:48  
 Thermometer ID: 161 or IR GUN Reading From: Temp Blank or Sample Bottle

If out of Temperature, Client Approval to Run Samples \_\_\_\_\_  
 PC Secondary Review: 8/13/07

Cooler Breakdown: Date: \_\_\_\_\_ by: \_\_\_\_\_

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

Explain any discrepancies: \_\_\_\_\_

	YES	NO	Sample I.D.	Reagent	Vol. Added	Final pH
pH						
≥12				NaOH		
≤2				HNO <sub>3</sub>		
≤2				H <sub>2</sub> SO <sub>4</sub>		
Residual Chlorine (+/-) for TCN & Phenol						

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

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

**Other Comments:**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

PC Secondary Review: \_\_\_\_\_

8/10/2007

CHRONIC AQUATIC TOXICITY COMPOSITE 8C3

Month: AUG  
Week: 2  
Fiscal Wk: 32  
Weather: WET

*This Effluent sample is a flow proportioned composite made from 24 Hr  
Composite samples collected at the indicated outfalls and specified times.*

Outfall #	Collection Time	Gallons/Day	MI in Composite	Percent of Composite
001	7:15AM	145,920	6,073.72	40.49%
004		0	-	0.00%
007		0	-	0.00%
64T	7:05AM	121,558	5,059.69	33.73%
64G	7:05AM	69,490	2,892.43	19.28%
09A		0	-	0.00%
09B	7:35AM	23,404	974.16	6.49%
		360,372	15000	100.00%

The Acute Toxicity Composite was made today by SEAN C. COYLE @ 10:15AM  
according to the table above, and given the sample ID# A8423C

Sean C. Coyle  
Signed  
8/10/07  
Date

Chain-of-Custody Form Number:	<u>5990</u>
Analysis:	<u>DAY 3 C.Tox Comp</u>
Location:	<u>10:15AM</u>
<small>Time</small>	Date: <u>8-10-07</u>
Sample Label Serial Number	<b>A</b> <u>8423C</u>

# Aquatec Biological Sciences

## Chain-of-Custody Record

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

COMPANY INFORMATION		COMPANY'S PROJECT INFORMATION				SHIPPING INFORMATION		VOLUME/CONTAINER TYPE/ PRESERVATIVE			
Name: General Electric Company Address: O'Brien & Gere 1000 East Street, Gate 64 City/State/Zip: Pittsfield, MA 01201 Telephone: (413) 494-6709 Facsimile: (413) 494-7052 Contact Name: Sean Coyle		Project Name: GE PITTSFIELD <b>Outfall Composite - RENEWAL SAMPLE</b> Project Number: 07003 Sampler Name(s): <u>SEAN C. COYLE</u> NPDES Permit #: MA0003891 Ship these samples on Friday. Quote #: 10/05 Client Code: GEPITTS				Carrier: <u>PRALONEY EXPRESS</u> Airbill Number: Date Shipped: <u>8/10/07</u> Hand Delivered: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		4°C Plastic 1 gal 4°C Plastic 1/2 gal 4°C H <sub>2</sub> SO <sub>4</sub> 1 L 4°C H <sub>2</sub> SO <sub>4</sub> 40 ml 4°C Plastic Glass 40 mL 0.1			
SAMPLE IDENTIFICATION	COLLECTION		GRAB	COMPOSITE	MATRIX	ANALYSIS	NUMBER OF CONTAINERS				
	DATE	TIME									
Outfall Composite <u>AY423C</u>	<u>8/10/07</u>	<u>10:15 AM</u>		X	Effluent	2	Ceriodaphnia dubia chronic survival and reproduction (EPA Method 1002.0) - Renewal 2				
Outfall Composite <u>AY423C</u>	<u>8/10/07</u>	<u>10:15 AM</u>		X	Effluent	1	Total Residual Chlorine				
Housatonic River <u>AY424R</u>	<u>8/10/07</u>	<u>8:45 AM</u>	X		Receiving	2	Dilution Water				
Housatonic River <u>AY424R</u>	<u>8/10/07</u>	<u>8:45 AM</u>	X		Receiving	1	Total Residual Chlorine				
Relinquished by: (signature) <u>Sean C. Coyle</u>	DATE <u>8/10/07</u>	TIME <u>12:40 PM</u>	Received by: (signature) <u>Ron DeKrom</u>		<b>NOTES TO SAMPLER(S): (1):</b> Complete the labels (Date, time, initials) and cover the labels with clear tape. Tape the caps of the sample bottles to ensure that they do not become dislodged during shipment. Nest the samples in sufficient ice to maintain 0°C ± 6°C. Results for samples received at temperatures exceeding 6°C will be qualified in report.						
Relinquished by: (signature)	DATE <u>8/11/07</u>	TIME <u>8:30</u>	Received by: (signature) <u>J. Lee Jeger</u>		Notes to Lab: Ambient cooler temperature: <u>2.7°C</u> . Dechlorinate the effluent sample if chlorine is detected.						
Relinquished by: (signature)	DATE	TIME	Received by: (signature)								