

01-0873
SDMS 236725



GE
159 Plastics Avenue
Pittsfield, MA 01201
USA

Transmitted Via Overnight Delivery

August 15, 2005

Mr. William P. Lovely, Jr. (MC HBO)
U.S. Environmental Protection Agency
EPA New England
One Congress Street, Suite 1100
Boston, Massachusetts 02114-2023

**Re: GE-Pittsfield/Housatonic River Site
Unkamet Brook Area (GECD170)
Parcel L12-1-2 and Adjacent Portion of Merrill Road Right-of-Way**

Dear Mr. Lovely:

This letter has been prepared to summarize several completed and ongoing activities performed by the General Electric Company (GE) and others related to Parcel L12-1-2 and the small adjacent portion of the City-owned Merrill Road easement located in Pittsfield, Massachusetts and to make a proposal concerning those areas. A portion of the parcel and the adjacent easement are located within the Unkamet Brook Removal Action Area (RAA) at the GE-Pittsfield/Housatonic River Site (Site; Figure 1), pursuant to the October 2000 Consent Decree (CD) for the Site. Parcel L12-1-2, which is not owned by GE, was previously a gasoline service station and now once again is in use as a gasoline service station. Accordingly, the parcel has a history of environmental investigations and remedial actions that have been conducted by parties other than GE and documented environmental impacts related to the parcel's usage as a service station rather than to GE. These impacts are being addressed by others in accordance with the Massachusetts Contingency Plan (MCP). GE has collected soil samples from the adjacent area of the City-owned easement between Parcel L12-1-2 and Merrill Road.

GE has reviewed available information related to completed soil and groundwater investigations at this parcel and soil data on the adjacent easement, the remedial actions that have been performed to date, and future activities that will be conducted on Parcel L12-1-2 pursuant to the responsible parties' obligations under the MCP. Based on the data available with respect to Parcel L12-1-2 and adjacent properties, the past and current usage of the property, past and ongoing activities with respect to the property, and the regulatory status of the property under the MCP, all of which are summarized below, GE proposes: (1) not to perform the pre-design soil investigations previously proposed to be performed on Parcel L12-1-2; and (2) that the boundary of the Unkamet Brook RAA be modified to exclude Parcel L12-1-2 and the adjacent portion of the Merrill Road easement. The remainder of this letter provides background information on this area, describes the MCP response actions performed by other parties with respect to the Parcel L12-1-2, summarizes the results of the pre-design soil sampling already performed by GE adjacent to this parcel, and presents GE's conclusions.

A. Background

Since November 2002, GE has submitted to the U.S. Environmental Protection Agency (EPA) a number of documents proposing investigations to gather data on existing soil and sediment conditions within the Unkamet Brook RAA to support future Removal Design/Removal Action (RD/RA) evaluations for this

RAA. Among these documents was a letter GE submitted to EPA dated July 30, 2003 that summarized the scope of soil/sediment pre-design investigations at the Unkamet Brook RAA that had been previously approved by EPA and that amended the scope of the investigations pursuant to several conditions set forth in EPA's conditional approval letter dated July 17, 2003. GE's July 30, 2003 letter along with the other documents previously submitted to EPA related to the pre-design investigations is referred to herein as the "PDI Work Plan."

The PDI Work Plan provided that GE would conduct pre-design soil investigations in that portion of Parcel L12-1-2 and the City-owned easement located within the Unkamet Brook RAA. Parcel L12-1-2 has an overall area of approximately 25,000 square feet, with approximately 15,500 square feet of this parcel located within the RAA. As shown on Figure 2, the portion of the property located within the RAA boundary is primarily occupied by an existing building and paved area. In addition, a portion of the former fuel dispenser islands and a portion of the current fuel dispenser islands are located within the RAA boundary. The portion of the City-owned easement that is adjacent to Parcel L12-1-2 and located with the Unkamet Brook RAA has an area of approximately 3,000 square feet.

The pre-design investigations proposed for Parcel L12-1-2 and the adjacent portion of the City-owned easement included the collection of six surface samples and the advancement of three borings for analysis of polychlorinated biphenyls (PCBs) and, depending on the specific location and depth, other constituents listed in Appendix IX of 40 CFR Part 26 (excluding pesticides and herbicides), plus three additional constituents (benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine) (Appendix IX+3). Table 1 summarizes the soil sampling plan previously proposed by GE to characterize the soils within the portion of Parcel L12-1-2 and the adjacent portion of the City-owned easement that is currently included in the Unkamet Brook RAA.

During the time when the PDI Work Plan was being developed and approved by EPA, Parcel L12-1-2 was an inactive fuel service/convenience station. Since that time, from May to November 2002, however, the property has been redeveloped and is now an active fuel service/convenience station. As a result of the recent redevelopment of the property, several of the proposed pre-design soil sample locations (i.e., E-GG2, E-GG3, E-GG4, E-HH1, E-HH2, and E-HH3) are not readily accessible. For example, proposed surface soil sample location E-GG3 is located inside the newly constructed building, and proposed boring location E-HH2 is near the newly installed dispenser islands. In addition, the property is a high traffic area and has a number of buried, newly installed, gasoline product and remediation system lines that make sampling in these areas difficult and potentially dangerous.

B. MCP Remedial Response Actions Performed by Others

This section summarizes the investigation and remedial actions that have been performed at Parcel L12-1-2 by parties other than GE. Specifically, in January 2002, soil and groundwater investigations were conducted in advance of the performance of the site redevelopment activities. Subsequently, between March 2002 and November 2002, different site construction activities were conducted to address various environmental impacts and to construct new facilities for the fuel service/convenience store. Additional information is presented below.

On January 29 and 30, 2002, six soil borings (identified as B-101 through B-106 on Figure 2) were advanced by Williamson Environmental LLC (Williamson Environmental) to characterize subsurface conditions within Parcel L12-1-2. One sample from each boring was submitted for analysis of volatile petroleum hydrocarbons (VPHs), extractable petroleum hydrocarbons (EPHs), and PCBs. The analytical results indicated that the detected concentrations of six VPH constituents (i.e., C5-C8 aliphatics, C9-C10 aromatics, toluene, ethylbenzene, total xylenes, and naphthalene) exceeded the Massachusetts Department of Environmental Protection (MDEP) Reportable Concentration for S-1 soils (RCS-1). Therefore, a Release Tracking Number (RTN) was assigned to the property on February 22, 2002 (RTN 1-14305) (*Phase 1 Initial*

Site Investigation Report, Williamson Environmental, February 13, 2003). The analytical results for all six soil samples were compiled by Williamson Environmental and provided in Attachment A of this letter (*Phase IV Remedy Implementation Plan*, Williamson Environmental, January 31, 2005). No PCBs above detection limits were identified in any of the samples.

The redevelopment activities at Parcel L12-1-2 were completed in accordance with the March 12, 2002 *Immediate Response Action Plan*. These activities included:

- Razing the former building, canopy, and dispenser islands;
- Excavating and removing four former underground storage tanks (USTs);
- Excavating for installation of three new USTs and six dispenser islands;
- Trenching for the new product supply lines; and
- Excavating the footprint for the new building and canopy.

Williamson Environmental provided oversight of the excavation activities and collected 23 excavation "endpoint" soil samples for analyses for EPH and VPH constituents (*Phase III Remedial Action Plan*, Williamson Environmental, February 27, 2004). The approximate location of the excavated areas and the excavation endpoint soil sample locations are illustrated on Figure 2, and the analytical results are summarized in Attachment A.

During the above-mentioned activities, approximately 1,900 tons of petroleum impacted soil generated from the UST closure and site redevelopment activities were transported off the property and disposed (*Phase III Remedial Action Plan*, Williamson Environmental, February 27, 2004).

Concurrently with the redevelopment activities, a remediation system for Parcel L12-1-2 was installed according to the *Immediate Response Action Plan Addendum* submitted to MDEP in May 2002. The system included seven soil vapor extraction (SVE) wells and five air sparge (AS) wells. In addition, eight soil borings were advanced and established as monitoring wells (B-201/MW-201 through B-205/MW-205 and B-301/MW-301 through B-303/MW-303) to be used as part of the remedial activities. In total, 20 wells were installed at Parcel L12-1-2. Soil samples collected from 13 of those 20 wells were sent to the laboratory for analyses for EPH and VPH constituents (*Phase III Remedial Action Plan*, Williamson Environmental, February 27, 2004). The location of the SVE, AS, and monitoring wells are illustrated on Figure 2, and the analytical results are summarized in Attachment A.

In total, Williamson Environmental collected 42 soil samples from Parcel L12-1-2 from January 29, 2002 to April 15, 2003. All 42 soil samples were analyzed for EPH and VPH constituents, and six of the 42 soil samples were also analyzed for PCBs (i.e., B-101 through B-106). Of those 42 soil samples, six samples (i.e., B-102, CF1, CF2, CF4, SVE-4, and SVE-7) had detected concentrations of VPH constituents that exceed the MCP Method 1 S-1 GW-2/GW-3 standards as indicated in the summary tables in Appendix A, and of the six soil samples analyzed for PCBs, the analytical results showed no PCBs above detection limits.

Additionally, operation and maintenance activities related to the remediation system are scheduled to be conducted bi-monthly, and the groundwater monitoring activities will be conducted quarterly. All site activities and the information resulting from those activities (e.g., groundwater analytical data results) will be summarized in *Phase V Inspection and Monitoring Reports* (*Phase IV Remedy Implementation Plan*, Williamson Environmental, January 31, 2005).

C. Pre-Design Investigations Performed by GE

In addition, to the investigations summarized above, GE has conducted pre-design investigations in the adjacent portion of the City-owned easement and from Parcel L12-1-3 (adjacent to Parcel L12-1-2 to the northeast). The locations of those pre-design soil samples are illustrated on Figure 2 and are identified with the sample location labels beginning with an "E" (e.g., E-FF2). The PCB and Appendix IX+3 analytical results are summarized in Tables 2 and 3, respectively. (Note: Only those soil samples closest to Parcel L12-1-2 are included in this letter. Therefore, only a portion of the soil samples from Parcel L12-1-3 are summarized in Tables 2 and 3 and included on Figure 2.)

Of the twenty-three pre-design soil samples GE collected from the 11 adjacent sampling locations, nine soil samples were collected from three locations (E-FF2, E-GG1, and E-HH99) within the City-owned easement. All nine soil samples were analyzed for PCBs, and of those nine soil samples, two were analyzed for Appendix IX+3 constituents. The analytical results indicate that PCBs were present in soils at concentrations below 2 parts per million (ppm), and detected Appendix IX+3 constituents were present in soils at concentrations below MCP Wave 2 Method 1 S-1 GW-2/GW-3 Standards (as shown on Table 3). The remaining 14 pre-design soil samples which were collected from Parcel L12-1-3 were analyzed for PCBs, and of those 14 soil samples, six were analyzed for Appendix IX+3 constituents. The analytical results indicate that PCBs were present in soils at concentrations below 2 ppm, and any detected Appendix IX+3 constituents were present in soils at concentrations below MCP Wave 2 Method 1 S-1 GW-2/GW-3 Standards (as shown on Table 3).

GE performed a review of the available data for soil samples collected from the nearby portions of adjacent Parcel L12-1-3 and the adjacent portion of the City-owned easement. The review of the available PCB data showed that detected concentrations were less than the Performance Standards for PCBs as described in the CD and SOW, and, therefore, if the spatial PCB average concentrations (i.e., the calculation used at similar areas within the Site to determine remedial actions) for these properties and adjacent areas were calculated, those concentrations would necessarily be below the Performance Standards. Similarly, the PCB polygons from the adjacent Parcel L12-1-3 that would extend into Parcel L12-1-2 also would not require any soil removal. Moreover, when compared to the MCP Wave 2 Method 1 S-1 GW-2/GW-3 Standards, as GE and EPA have agreed to use at other RAAs for current evaluations, the discrete Appendix IX+3 detected concentrations found within the City-owned easement and adjacent Parcel L12-1-3 did not exceed this conservative standard. Therefore, the arithmetic averages for those areas (i.e., the numbers to which the standards would be compared in performing Appendix IX+3 evaluations) would necessarily be below Performance Standards. Accordingly, GE's review of the available PCB and Appendix IX+3 data showed that if the City-owned easement adjacent to Parcel L12-1-2 remained as part of the Unkamet Brook RAA, the area would not require any soil removal.

D. Conclusion

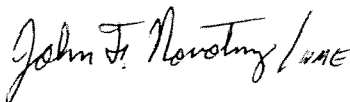
Based on the remedial actions that have been conducted to date by others, the ongoing remedial activities and monitoring being performed and to be performed by others with regard to the property, the current active use of the parcel, and the existing soil data set, GE proposes that the portion of Parcel L12-1-2 located within the Unkamet Brook RAA be excluded from the RAA and that no pre-design investigation sampling be performed on that parcel and that the adjacent portion of the Merrill Road easement be excluded from the RAA as well. GE believes this proposal is supported by the following:

- The data results for soil samples collected by Williamson Environmental on Parcel L12-1-2 and for samples collected by GE from nearby locations on adjacent parcels show that PCB concentrations range from non-detect to detected concentrations of less than 2 ppm.

- The soil samples collected from within Parcel L12-1-2 that exceeded MCP RCS-1 and Method 1 standards are for VPH constituents and were detected in soils in the area of the former dispenser islands and UST tanks. These have been and/or will be addressed by Williamson Environmental through remedial actions previously performed and/or future remedial actions described in the Phase IV Remedy Implementation Plan submitted to the MDEP on January 31, 2005.
- MDEP has assigned a RTN to Parcel L12-1-2. Therefore, the parcel is being tracked under the MCP, and the remedial activities established for the property are being conducted according to a plan submitted to the MDEP.
- The portion of Parcel L12-1-2 included in the Unkamet Brook RAA has been subject to extensive excavation as part of the redevelopment effort. As a result, the original soils within the parcel have largely been removed and replaced with clean backfill.
- The portion of Parcel L12-1-2 included in the Unkamet Brook RAA is for the most part covered by the building and parking lot as a result of the redevelopment effort. This current condition of the parcel would make another soil investigation difficult, perhaps even impossible in some areas due to the safety concerns associated with drilling in proximity to gasoline product lines and in high traffic areas.
- A review of the PCB and Appendix IX+3 data results associated with the soil samples collected from the portion of the Merrill Road easement adjacent to Parcel L12-1-2 showed that no remedial action would be necessary if the easement remained as part of the RAA.

We appreciate your consideration of this proposal. Please contact me with any questions.

Sincerely,



John F. Novotny, P.E.

Manager – Facilities and Brownfields Programs

Attachments

V:\GE_Pittsfield_CD_Unkamet_Brook_Area\Reports and Presentations\Parcel L12-1-2\49152196Ltr.doc

cc: Tim Conway, EPA
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Michael Carroll, GE*
Andrew Silfer, GE
Rod McLaren, GE*
James Nuss, BBL
James Bieke, Goodwin Procter
Laurence Kirsch, Goodwin Procter
Property Owner – Parcel L12-1-2
Public Information Repositories
GE Internal Repository

* without attachments

Tables

TABLE 1
PREVIOUSLY PROPOSED PRE-DESIGN INVESTIGATION SOIL SAMPLING
LOCATIONS, DEPTHS, AND PARAMETERS

PORTION OF PARCEL L12-1-2
WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

SAMPLE ID	GRID COORDINATE	SAMPLE DEPTH	ANALYSES				
			PCBs	VOCs	SVOCs	INORGANICS	PCDDs/PCDFs
RAA10-E-FF2	FF2	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-15 ft	X	X	X	X	X
RAA10-E-GG1	GG1	0-1 ft	X	--	--	--	--
RAA10-E-GG2	GG2	0-1 ft	X	--	--	--	--
RAA10-E-GG3	GG3	0-1 ft	X	X	X	X	X
RAA10-E-GG4	GG4	0-1 ft	X	--	--	--	--
RAA10-E-HH1	HH1	0-1 ft	X	--	--	--	--
RAA10-E-HH2	HH2	0-1 ft	X	--	--	--	--
		1-3 ft	X	X	X	X	X
		3-6 ft	X	X	X	X	X
		6-15 ft	X	X	X	X	X
RAA10-E-HH3	HH3	0-1 ft	X	X	X	X	X
RAA10-E-HH99	HH99	0-1 ft	X	X	X	X	X
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-15 ft	X	--	--	--	--

Notes:

1. This table identifies soil samples that were to be collected and the analyses that were to be performed as part of the existing approved pre-design investigation at the portion of Parcel L12-1-2 currently within the Unkamet Brook Area.
2. The Appendix IX+3 sample depth intervals shown above may be modified in the field based on the results of photoionization detector (PID) readings and visual observations at the time of sample collection.
3. X indicates analyses to be performed.
4. -- indicates analyses not to be performed.

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

NEAR PARCEL L12-1-2
WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-E-FF2	0-1	2/16/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.48	0.46	0.94
	1-3	2/16/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.42	0.96	1.38
	3-6	2/16/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	2/16/2005	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]
RAA10-E-FF3	0-1	2/17/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.015 J	0.015 J
RAA10-E-FF4	0-1	2/15/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.099	0.12	0.219
	1-3	2/15/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.14	0.17	0.31
	3-6	2/15/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.038 J	0.038 J
	6-15	2/15/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-E-FF5	0-1	2/17/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.19	0.39	0.58
RAA10-E-GG1	0-1	2/17/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.052	0.11	0.162
RAA10-E-GG5	0-1	2/18/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.83	0.38	1.21
RAA10-E-HH4	0-1	2/17/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	1.7	1.7
	1-3	2/17/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.35	0.35
	3-6	2/17/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.026 J	0.026 J
	6-15	2/17/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-E-HH5	0-1	2/17/2005	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.26	0.15	0.41
RAA10-E-HH99	0-1	2/17/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.030 J	0.024 J	0.054 J
	1-3	2/17/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	3-6	2/17/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	2/17/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-E-II4	0-1	2/17/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.36	0.36
RAA10-E-II5	0-1	2/17/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.073	0.094	0.167

Notes:

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

Data Qualifiers:

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

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

NEAR PARCEL L12-1-2
WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	MCP Wave 2 Method 1 S- 1(GW-2/GW-3) Soil Standards ²	RAA10-E-FF2 6-15 02/16/05	RAA10-E-FF2 8-10 02/16/05
Volatile Organics			
Styrene	4	NA	ND(0.0054) [ND(0.0053)]
Toluene	300	NA	ND(0.0054) [ND(0.0053)]
Trichloroethene	2	NA	ND(0.0054) [ND(0.0053)]
Xylenes (total)	300	NA	ND(0.0054) [ND(0.0053)]
Semivolatile Organics			
2-Methylnaphthalene	10	ND(0.38) [ND(0.38)]	NA
Acenaphthene	1000	ND(0.38) [ND(0.38)]	NA
Acenaphthylene	20	ND(0.38) [ND(0.38)]	NA
Anthracene	1000	ND(0.38) [ND(0.38)]	NA
Benzo(a)anthracene	7	ND(0.38) [ND(0.38)]	NA
Benzo(a)pyrene	2	ND(0.38) [ND(0.38)]	NA
Benzo(b)fluoranthene	7	ND(0.38) [ND(0.38)]	NA
Benzo(g,h,i)perylene	1000	ND(0.38) [ND(0.38)]	NA
Benzo(k)fluoranthene	70	ND(0.38) [ND(0.38)]	NA
bis(2-Ethylhexyl)phthalate	200	ND(0.37) [0.33 J]	NA
Chrysene	700	ND(0.38) [ND(0.38)]	NA
Dibenzofuran	Not Listed	ND(0.38) [ND(0.38)]	NA
Fluoranthene	1000	ND(0.38) [ND(0.38)]	NA
Fluorene	1000	ND(0.38) [ND(0.38)]	NA
Indeno(1,2,3-cd)pyrene	7	ND(0.38) [ND(0.38)]	NA
Naphthalene	40	ND(0.38) [ND(0.38)]	NA
Phenanthrene	500	ND(0.38) [ND(0.38)]	NA
Pyrene	1000	ND(0.38) [ND(0.38)]	NA
Furans			
2,3,7,8-TCDF	Not Listed	ND(0.00000017) [ND(0.00000018)]	NA
TCDFs (total)	Not Listed	ND(0.00000017) [ND(0.00000018)]	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.00000011) [ND(0.00000011)]	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.00000011) [ND(0.00000011)]	NA
PeCDFs (total)	Not Listed	ND(0.00000018) [ND(0.00000016)]	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.00000014) [ND(0.00000013)]	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.00000011) [ND(0.00000012)]	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.00000011) [ND(0.00000015)]	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.00000011) [ND(0.00000013)]	NA
HxCDFs (total)	Not Listed	ND(0.00000014) [ND(0.00000015)]	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.00000015) [ND(0.00000017)]	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.00000011) [ND(0.00000018)]	NA
HpCDFs (total)	Not Listed	ND(0.00000015) [ND(0.00000018)]	NA
OCDF	Not Listed	ND(0.00000019) [ND(0.00000036)]	NA
Dioxins			
2,3,7,8-TCDD	2.00E-05	ND(0.00000096) [ND(0.00000084)]	NA
TCDDs (total)	Not Listed	ND(0.00000096) [ND(0.00000084)]	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.00000018) [ND(0.00000017)]	NA
PeCDDs (total)	Not Listed	ND(0.00000026) [ND(0.00000017)]	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.00000018) [ND(0.00000031)]	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.00000017) [ND(0.00000029)]	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.00000017) [ND(0.00000029)]	NA
HxCDDs (total)	Not Listed	ND(0.00000024) [ND(0.00000031)]	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.00000018) [ND(0.00000029)]	NA
HpCDDs (total)	Not Listed	ND(0.00000018) [ND(0.00000029)]	NA
OCDD	Not Listed	ND(0.00000080) [ND(0.00000084)]	NA
Total TEQs (WHO TEFs)	Not Listed	0.00000023 [0.00000024]	NA

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

NEAR PARCEL L12-1-2
WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	MCP Wave 2 Method 1 S- 1(GW-2/GW-3) Soil Standards ²	RAA10-E-FF2 6-15 02/16/05	RAA10-E-FF2 8-10 02/16/05
Inorganics				
Antimony		20	ND(6.00) [ND(6.00)]	NA
Arsenic		20	7.30 [10.0]	NA
Barium		1000	44.0 [62.0]	NA
Beryllium		0.9	0.330 B [0.310 B]	NA
Cadmium		2	1.30 [1.50]	NA
Chromium		30	7.00 [8.30]	NA
Cobalt		Not Listed	16.0 [10.0]	NA
Copper		Not Listed	16.0 [19.0]	NA
Cyanide		100	0.530 [0.280]	NA
Lead		300	5.80 [6.20]	NA
Mercury		20	ND(0.110) [ND(0.110)]	NA
Nickel		20	18.0 [19.0]	NA
Selenium		400	ND(1.00) [ND(1.00)]	NA
Silver		100	ND(1.00) [ND(1.00)]	NA
Sulfide		Not Listed	13.0 [ND(5.70)]	NA
Thallium		8	4.10 [2.90]	NA
Tin		Not Listed	1.50 B [1.90 B]	NA
Vanadium		600	7.30 [8.40]	NA
Zinc		2500	54.0 [54.0]	NA

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

NEAR PARCEL L12-1-2
WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	MCP Wave 2 Method 1 S- 1(GW-2/GW-3) Soil Standards ²	RAA10-E-FF4 1-3 02/15/05	RAA10-E-FF4 3-6 02/15/05	RAA10-E-FF4 4-6 02/15/05	RAA10-E-FF4 6-15 02/15/05
Volatile Organics					
Styrene	4	0.013	NA	ND(0.0060)	NA
Toluene	300	0.0044 J	NA	ND(0.0060)	NA
Trichloroethene	2	ND(0.0055)	NA	ND(0.0060)	NA
Xylenes (total)	300	0.022	NA	ND(0.0060)	NA
Semivolatile Organics					
2-Methylnaphthalene	10	0.51 J	0.43 J	NA	ND(0.40)
Acenaphthene	1000	0.35 J	0.45 J	NA	ND(0.40)
Acenaphthylene	20	1.0 J	1.3 J	NA	ND(0.40)
Anthracene	1000	1.0 J	1.4 J	NA	ND(0.40)
Benzo(a)anthracene	7	1.6 J	1.9 J	NA	ND(0.40)
Benzo(a)pyrene	2	1.2 J	1.4 J	NA	ND(0.40)
Benzo(b)fluoranthene	7	0.84 J	0.78 J	NA	ND(0.40)
Benzo(g,h,i)perylene	1000	ND(3.7)	0.50 J	NA	ND(0.40)
Benzo(k)fluoranthene	70	2.1 J	1.7 J	NA	ND(0.40)
bis(2-Ethylhexyl)phthalate	200	ND(1.8)	ND(2.0)	NA	ND(0.39)
Chrysene	700	2.3 J	2.4 J	NA	ND(0.40)
Dibenzofuran	Not Listed	0.36 J	0.54 J	NA	ND(0.40)
Fluoranthene	1000	4.7	5.2	NA	ND(0.40)
Fluorene	1000	0.90 J	1.5 J	NA	ND(0.40)
Indeno(1,2,3-cd)pyrene	7	ND(3.7)	ND(4.0)	NA	ND(0.40)
Naphthalene	40	0.68 J	0.50 J	NA	ND(0.40)
Phenanthrene	500	5.5	7.7	NA	ND(0.40)
Pyrene	1000	5.2	5.7	NA	ND(0.40)
Furans					
2,3,7,8-TCDF	Not Listed	0.0000057 Y	0.0000011 JY	NA	ND(0.00000016)
TCDFs (total)	Not Listed	0.000050	0.0000061	NA	ND(0.00000038)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000026)	ND(0.00000059)	NA	ND(0.000000091)
2,3,4,7,8-PeCDF	Not Listed	0.0000059	ND(0.0000011)	NA	ND(0.000000087)
PeCDFs (total)	Not Listed	0.00013	0.000014	NA	ND(0.00000079)
1,2,3,4,7,8-HxCDF	Not Listed	0.0000050 J	ND(0.0000017)	NA	ND(0.00000015)
1,2,3,6,7,8-HxCDF	Not Listed	0.0000048 J	ND(0.00000096)	NA	ND(0.00000016)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.00000016)	ND(0.000000087)	NA	ND(0.000000041)
2,3,4,6,7,8-HxCDF	Not Listed	0.0000036 J	ND(0.00000050)	NA	ND(0.000000078)
HxCDFs (total)	Not Listed	0.000097	0.0000082	NA	ND(0.00000070)
1,2,3,4,6,7,8-HpCDF	Not Listed	0.000014	ND(0.0000020)	NA	ND(0.00000035)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000021)	ND(0.00000038)	NA	ND(0.000000061)
HpCDFs (total)	Not Listed	0.000033	ND(0.0000022)	NA	ND(0.00000035)
OCDF	Not Listed	0.000018	ND(0.0000027)	NA	ND(0.00000031)
Dioxins					
2,3,7,8-TCDD	2.00E-05	ND(0.00000012)	ND(0.000000086)	NA	ND(0.000000068)
TCDDs (total)	Not Listed	ND(0.00000020)	ND(0.00000010)	NA	ND(0.000000068)
1,2,3,7,8-PeCDD	Not Listed	ND(0.00000021)	ND(0.00000018)	NA	ND(0.00000014)
PeCDDs (total)	Not Listed	ND(0.0000011)	ND(0.00000046)	NA	ND(0.00000028)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.00000023)	ND(0.000000077)	NA	ND(0.000000067)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000014)	ND(0.00000020)	NA	ND(0.00000010)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000011)	ND(0.00000034)	NA	ND(0.000000062)
HxCDDs (total)	Not Listed	0.0000041	ND(0.00000058)	NA	ND(0.00000018)
1,2,3,4,6,7,8-HpCDD	Not Listed	0.000015	ND(0.0000024)	NA	ND(0.00000027)
HpCDDs (total)	Not Listed	0.000028	ND(0.0000024)	NA	ND(0.00000028)
OCDD	Not Listed	0.00012	0.000016	NA	ND(0.0000017)
Total TEQs (WHO TEFs)	Not Listed	0.0000055	0.00000075	NA	0.00000017

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

NEAR PARCEL L12-1-2
 WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	MCP Wave 2 Method 1 S- 1(GW-2/GW-3) Soil Standards ²	RAA10-E-FF4 1-3 02/15/05	RAA10-E-FF4 3-6 02/15/05	RAA10-E-FF4 4-6 02/15/05	RAA10-E-FF4 6-15 02/15/05
Inorganics					
Antimony	20	ND(6.00)	ND(6.00)	NA	0.900 B
Arsenic	20	1.90	3.30	NA	3.00
Barium	1000	19.0 B	25.0	NA	42.0
Beryllium	0.9	0.140 B	0.250 B	NA	0.280 B
Cadmium	2	0.540	0.710	NA	0.770
Chromium	30	5.30	8.00	NA	6.60
Cobalt	Not Listed	4.20 B	7.40	NA	6.10
Copper	Not Listed	17.0	9.70	NA	10.0
Cyanide	100	0.120 B	0.0920 B	NA	ND(0.240)
Lead	300	13.0	7.10	NA	4.70
Mercury	20	ND(0.110)	0.0200 B	NA	ND(0.120)
Nickel	20	7.30	9.00	NA	10.0
Selenium	400	ND(1.00)	ND(1.00)	NA	ND(1.00)
Silver	100	0.250 B	ND(1.00)	NA	0.440 B
Sulfide	Not Listed	18.0	12.0	NA	15.0
Thallium	8	ND(1.10)	3.30	NA	2.20
Tin	Not Listed	1.70 B	2.60 B	NA	1.50 B
Vanadium	600	12.0	9.40	NA	7.00
Zinc	2500	37.0	61.0	NA	37.0

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

**NEAR PARCEL L12-1-2
WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Sample Depth(Feet): Parameter Date Collected:	MCP Wave 2 Method 1 S- 1(GW-2/GW-3) Soil Standards ²	RAA10-E-FF4 8-10 02/15/05	RAA10-E-HH4 1-3 02/17/05	RAA10-E-HH4 3-6 02/17/05	RAA10-E-HH4 4-6 02/17/05
Volatile Organics					
Styrene	4	ND(0.0060)	ND(0.0056)	NA	ND(0.0060)
Toluene	300	ND(0.0060)	ND(0.0056)	NA	ND(0.0060)
Trichloroethene	2	ND(0.0060)	ND(0.0056)	NA	ND(0.0060)
Xylenes (total)	300	ND(0.0060)	ND(0.0056)	NA	ND(0.0060)
Semivolatile Organics					
2-Methylnaphthalene	10	NA	ND(3.8)	ND(0.38)	NA
Acenaphthene	1000	NA	ND(3.8)	ND(0.38)	NA
Acenaphthylene	20	NA	ND(3.8)	ND(0.38)	NA
Anthracene	1000	NA	ND(3.8)	ND(0.38)	NA
Benzo(a)anthracene	7	NA	0.40 J	ND(0.38)	NA
Benzo(a)pyrene	2	NA	ND(3.8)	ND(0.38)	NA
Benzo(b)fluoranthene	7	NA	ND(3.8)	ND(0.38)	NA
Benzo(g,h,i)perylene	1000	NA	ND(3.8)	ND(0.38)	NA
Benzo(k)fluoranthene	70	NA	ND(3.8)	ND(0.38)	NA
bis(2-Ethylhexyl)phthalate	200	NA	ND(1.9)	ND(0.38)	NA
Chrysene	700	NA	0.46 J	ND(0.38)	NA
Dibenzofuran	Not Listed	NA	ND(3.8)	ND(0.38)	NA
Fluoranthene	1000	NA	0.74 J	ND(0.38)	NA
Fluorene	1000	NA	ND(3.8)	ND(0.38)	NA
Indeno(1,2,3-cd)pyrene	7	NA	ND(3.8)	ND(0.38)	NA
Naphthalene	40	NA	ND(3.8)	ND(0.38)	NA
Phenanthrene	500	NA	ND(3.8)	ND(0.38)	NA
Pyrene	1000	NA	0.80 J	ND(0.38)	NA
Furans					
2,3,7,8-TCDF	Not Listed	NA	0.0000020 Y	ND(0.00000043)	NA
TCDFs (total)	Not Listed	NA	0.000018	ND(0.00000043)	NA
1,2,3,7,8-PeCDF	Not Listed	NA	ND(0.0000014)	ND(0.00000076)	NA
2,3,4,7,8-PeCDF	Not Listed	NA	ND(0.0000018)	ND(0.00000080)	NA
PeCDFs (total)	Not Listed	NA	0.000023	ND(0.00000080)	NA
1,2,3,4,7,8-HxCDF	Not Listed	NA	0.0000029 J	ND(0.00000092)	NA
1,2,3,6,7,8-HxCDF	Not Listed	NA	0.0000037 JI	ND(0.00000092)	NA
1,2,3,7,8,9-HxCDF	Not Listed	NA	ND(0.0000071)	ND(0.00000082)	NA
2,3,4,6,7,8-HxCDF	Not Listed	NA	ND(0.0000021)	ND(0.00000086)	NA
HxCDFs (total)	Not Listed	NA	0.000026	ND(0.00000092)	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	NA	0.0000070	ND(0.00000090)	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	NA	ND(0.0000019)	ND(0.00000060)	NA
HpCDFs (total)	Not Listed	NA	0.000013	ND(0.00000090)	NA
OCDF	Not Listed	NA	0.0000092 J	ND(0.00000086)	NA
Dioxins					
2,3,7,8-TCDD	2.00E-05	NA	ND(0.00000015)	ND(0.00000039)	NA
TCDDs (total)	Not Listed	NA	ND(0.00000044)	ND(0.00000039)	NA
1,2,3,7,8-PeCDD	Not Listed	NA	ND(0.00000049)	ND(0.00000059)	NA
PeCDDs (total)	Not Listed	NA	ND(0.00000062)	ND(0.00000059)	NA
1,2,3,4,7,8-HxCDD	Not Listed	NA	ND(0.00000067)	ND(0.00000067)	NA
1,2,3,6,7,8-HxCDD	Not Listed	NA	ND(0.00000096)	ND(0.00000057)	NA
1,2,3,7,8,9-HxCDD	Not Listed	NA	ND(0.00000099)	ND(0.00000059)	NA
HxCDDs (total)	Not Listed	NA	ND(0.0000012)	ND(0.00000067)	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	NA	0.0000072	ND(0.00000093)	NA
HpCDDs (total)	Not Listed	NA	0.000012	ND(0.00000093)	NA
OCDD	Not Listed	NA	0.000047	ND(0.0000037)	NA
Total TEQs (WHO TEFs)	Not Listed	NA	0.0000021	0.0000010	NA

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

NEAR PARCEL L12-1-2
 WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
 (Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	MCP Wave 2 Method 1 S- 1(GW-2/GW-3) Soil Standards ²	RAA10-E-FF4 8-10 02/15/05	RAA10-E-HH4 1-3 02/17/05	RAA10-E-HH4 3-6 02/17/05	RAA10-E-HH4 4-6 02/17/05
Inorganics					
Antimony	20	NA	ND(6.00)	ND(6.00)	NA
Arsenic	20	NA	4.50	2.30	NA
Barium	1000	NA	20.0 B	21.0	NA
Beryllium	0.9	NA	0.290 B	0.330 B	NA
Cadmium	2	NA	ND(0.500)	ND(0.500)	NA
Chromium	30	NA	8.30	8.00	NA
Cobalt	Not Listed	NA	12.0	8.40	NA
Copper	Not Listed	NA	12.0	10.0	NA
Cyanide	100	NA	0.0700 B	ND(0.110)	NA
Lead	300	NA	9.20	5.20	NA
Mercury	20	NA	0.0270 B	ND(0.110)	NA
Nickel	20	NA	13.0	13.0	NA
Selenium	400	NA	1.30	1.20	NA
Silver	100	NA	ND(1.00)	ND(1.00)	NA
Sulfide	Not Listed	NA	11.0	11.0	NA
Thallium	8	NA	ND(1.10)	ND(1.10)	NA
Tin	Not Listed	NA	3.40 B	1.80 B	NA
Vanadium	600	NA	9.20	8.70	NA
Zinc	2500	NA	46.0	44.0	NA

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

NEAR PARCEL L12-1-2
WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	MCP Wave 2 Method 1 S- 1(GW-2/GW-3) Soil Standards ²	RAA10-E-HH5 0-1 02/17/05	RAA10-E-HH99 0-1 02/17/05
Volatile Organics			
Styrene	4	ND(0.033)	ND(0.0054)
Toluene	300	ND(0.033)	ND(0.0054)
Trichloroethene	2	0.14	ND(0.0054)
Xylenes (total)	300	ND(0.033)	ND(0.0054)
Semivolatile Organics			
2-Methylnaphthalene	10	ND(0.44)	ND(3.6)
Acenaphthene	1000	0.24 J	ND(3.6)
Acenaphthylene	20	ND(0.44)	ND(3.6)
Anthracene	1000	0.35 J	ND(3.6)
Benzo(a)anthracene	7	0.81	ND(3.6)
Benzo(a)pyrene	2	0.47	ND(3.6)
Benzo(b)fluoranthene	7	0.37 J	ND(3.6)
Benzo(g,h,i)perylene	1000	0.15 J	ND(3.6)
Benzo(k)fluoranthene	70	0.60	ND(3.6)
bis(2-Ethylhexyl)phthalate	200	ND(0.43)	ND(1.8)
Chrysene	700	0.93	ND(3.6)
Dibenzofuran	Not Listed	0.12 J	ND(3.6)
Fluoranthene	1000	2.7	ND(3.6)
Fluorene	1000	0.17 J	ND(3.6)
Indeno(1,2,3-cd)pyrene	7	0.12 J	ND(3.6)
Naphthalene	40	0.050 J	ND(3.6)
Phenanthrene	500	2.0	ND(3.6)
Pyrene	1000	2.4	ND(3.6)
Furans			
2,3,7,8-TCDF	Not Listed	0.000075 Y	ND(0.0000023)
TCDFs (total)	Not Listed	0.000073	ND(0.0000029)
1,2,3,7,8-PeCDF	Not Listed	0.000043 J	ND(0.0000023)
2,3,4,7,8-PeCDF	Not Listed	0.000055 J	ND(0.0000032)
PeCDFs (total)	Not Listed	0.00011	ND(0.0000082)
1,2,3,4,7,8-HxCDF	Not Listed	0.000011	ND(0.0000046)
1,2,3,6,7,8-HxCDF	Not Listed	0.000087 I	ND(0.0000036)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000045)	ND(0.0000024)
2,3,4,6,7,8-HxCDF	Not Listed	0.000047 J	ND(0.0000036)
HxCDFs (total)	Not Listed	0.00011	ND(0.0000012)
1,2,3,4,6,7,8-HpCDF	Not Listed	0.000041	ND(0.0000094)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000034)	ND(0.0000031)
HpCDFs (total)	Not Listed	0.000072	ND(0.0000094)
OCDF	Not Listed	0.000032	ND(0.0000011)
Dioxins			
2,3,7,8-TCDD	2.00E-05	ND(0.0000019)	ND(0.0000011)
TCDDs (total)	Not Listed	ND(0.0000086)	ND(0.0000011)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000048)	ND(0.0000017)
PeCDDs (total)	Not Listed	ND(0.0000020)	ND(0.0000017)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000082)	ND(0.0000016)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000011)	ND(0.0000020)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000018)	ND(0.0000018)
HxCDDs (total)	Not Listed	0.000055	ND(0.0000020)
1,2,3,4,6,7,8-HpCDD	Not Listed	0.000043	ND(0.0000018)
HpCDDs (total)	Not Listed	0.00010	ND(0.0000021)
OCDD	Not Listed	0.00076	0.000025
Total TEQs (WHO TEFs)	Not Listed	0.0000076	0.0000035

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

NEAR PARCEL L12-1-2
WITHIN THE UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	MCP Wave 2 Method 1 S- 1(GW-2/GW-3) Soil Standards ²	RAA10-E-HH5 0-1 02/17/05	RAA10-E-HH99 0-1 02/17/05
Inorganics				
Antimony		20	ND(6.00)	ND(6.00)
Arsenic		20	5.50	5.10
Barium		1000	72.0	33.0
Beryllium		0.9	0.370 B	0.160 B
Cadmium		2	0.130 B	ND(0.500)
Chromium		30	12.0	5.80
Cobalt		Not Listed	35.0	7.50
Copper		Not Listed	31.0	10.0
Cyanide		100	0.120 B	ND(0.540)
Lead		300	73.0	6.80
Mercury		20	0.290	ND(0.110)
Nickel		20	13.0	12.0
Selenium		400	0.980 B	1.10
Silver		100	0.600 B	ND(1.00)
Sulfide		Not Listed	38.0	12.0
Thallium		8	ND(1.30)	ND(1.10)
Tin		Not Listed	11.0	2.10 B
Vanadium		600	16.0	6.30
Zinc		2500	84.0	37.0

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. Refers to MDEP's Proposed MCP Numerical Standards (WAVE 2 Criteria; MDEP, September 20, 2004).
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
5. Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
6. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
7. Field duplicate sample results are presented in brackets.

Data Qualifiers:

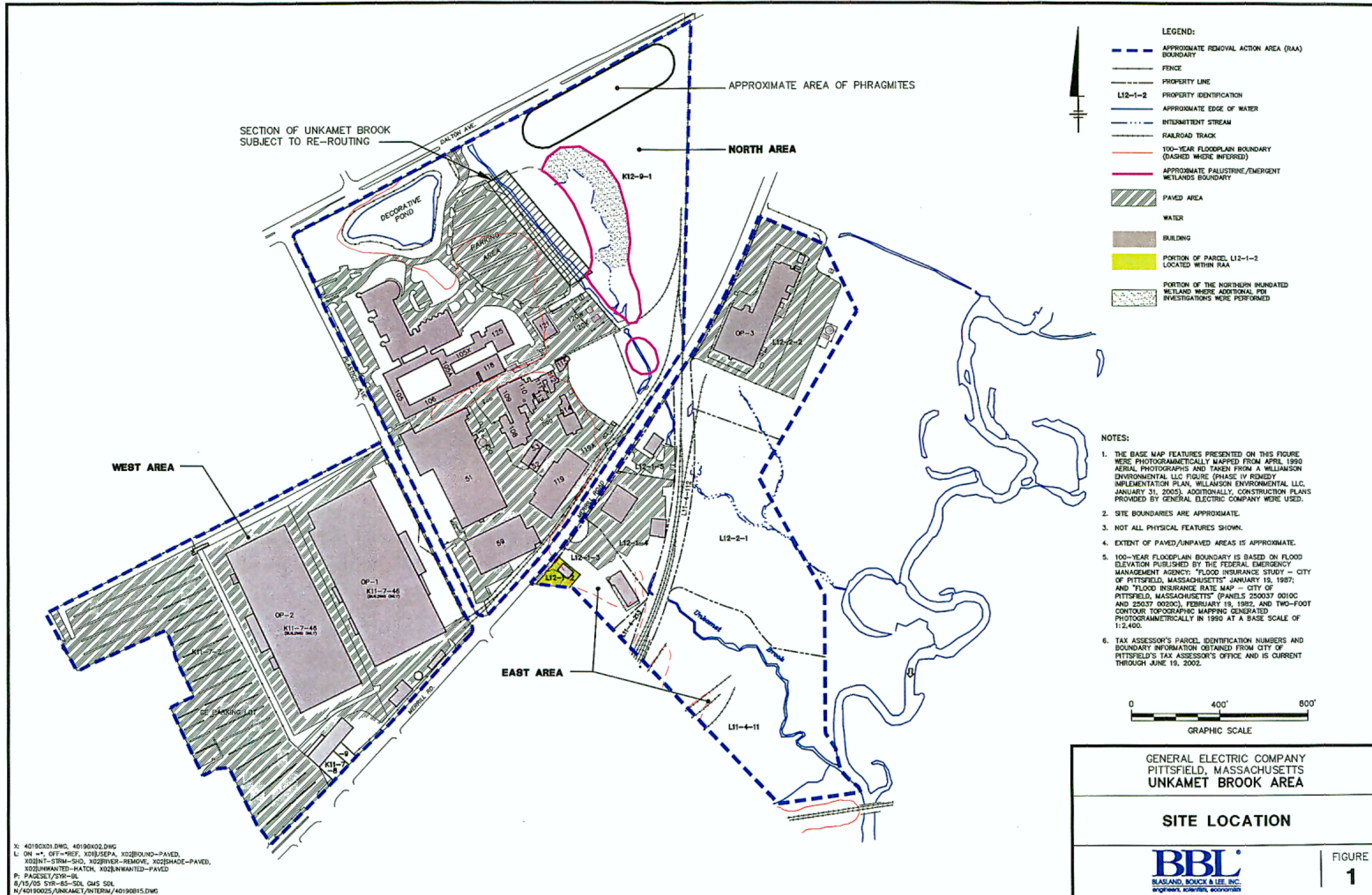
Organics (volatiles, semivolatiles, pesticides, herbicides, dioxin/furans)

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

Inorganics

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

Figures



SECTION OF UNKAMET BROOK
SUBJECT TO RE-ROUTING

DALTON AVE.

APPROXIMATE AREA OF PHRAGMITES

NORTH AREA

K12-9-1

DECORATIVE POND

PARKING AREA

OP-3

L12-2-1

WEST AREA

OP-1

K11-7-46

EAST AREA

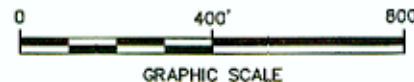
L11-4-11

LEGEND:

- APPROXIMATE REMOVAL ACTION AREA (RAA) BOUNDARY
- FENCE
- PROPERTY LINE
- PROPERTY IDENTIFICATION
- APPROXIMATE EDGE OF WATER
- INTERMITTENT STREAM
- RAILROAD TRACK
- 100-YEAR FLOODPLAIN BOUNDARY (DASHED WHERE INFERRED)
- APPROXIMATE PALUSTRINE/EMERGENT WETLANDS BOUNDARY
- PAVED AREA
- WATER
- BUILDING
- PORTION OF PARCEL L12-1-2 LOCATED WITHIN RAA
- PORTION OF THE NORTHERN INUNDATED WETLAND WHERE ADDITIONAL PDI INVESTIGATIONS WERE PERFORMED

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM APRIL 1990 AERIAL PHOTOGRAPHS AND TAKEN FROM A WILLIAMSON ENVIRONMENTAL LLC FIGURE (PHASE IV REMEDY IMPLEMENTATION PLAN, WILLIAMSON ENVIRONMENTAL LLC, JANUARY 31, 2005). ADDITIONALLY, CONSTRUCTION PLANS PROVIDED BY GENERAL ELECTRIC COMPANY WERE USED.
2. SITE BOUNDARIES ARE APPROXIMATE.
3. NOT ALL PHYSICAL FEATURES SHOWN.
4. EXTENT OF PAVED/UNPAVED AREAS IS APPROXIMATE.
5. 100-YEAR FLOODPLAIN BOUNDARY IS BASED ON FLOOD ELEVATION PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY: "FLOOD INSURANCE STUDY - CITY OF PITTSFIELD, MASSACHUSETTS" JANUARY 19, 1987; AND "FLOOD INSURANCE RATE MAP - CITY OF PITTSFIELD, MASSACHUSETTS" (PANELS 250037 0010C AND 25037 0020C), FEBRUARY 19, 1982, AND TWO-FOOT CONTOUR TOPOGRAPHIC MAPPING GENERATED PHOTOGRAMMETRICALLY IN 1990 AT A BASE SCALE OF 1:2,400.
6. TAX ASSESSOR'S PARCEL IDENTIFICATION NUMBERS AND BOUNDARY INFORMATION OBTAINED FROM CITY OF PITTSFIELD'S TAX ASSESSOR'S OFFICE AND IS CURRENT THROUGH JUNE 19, 2002.



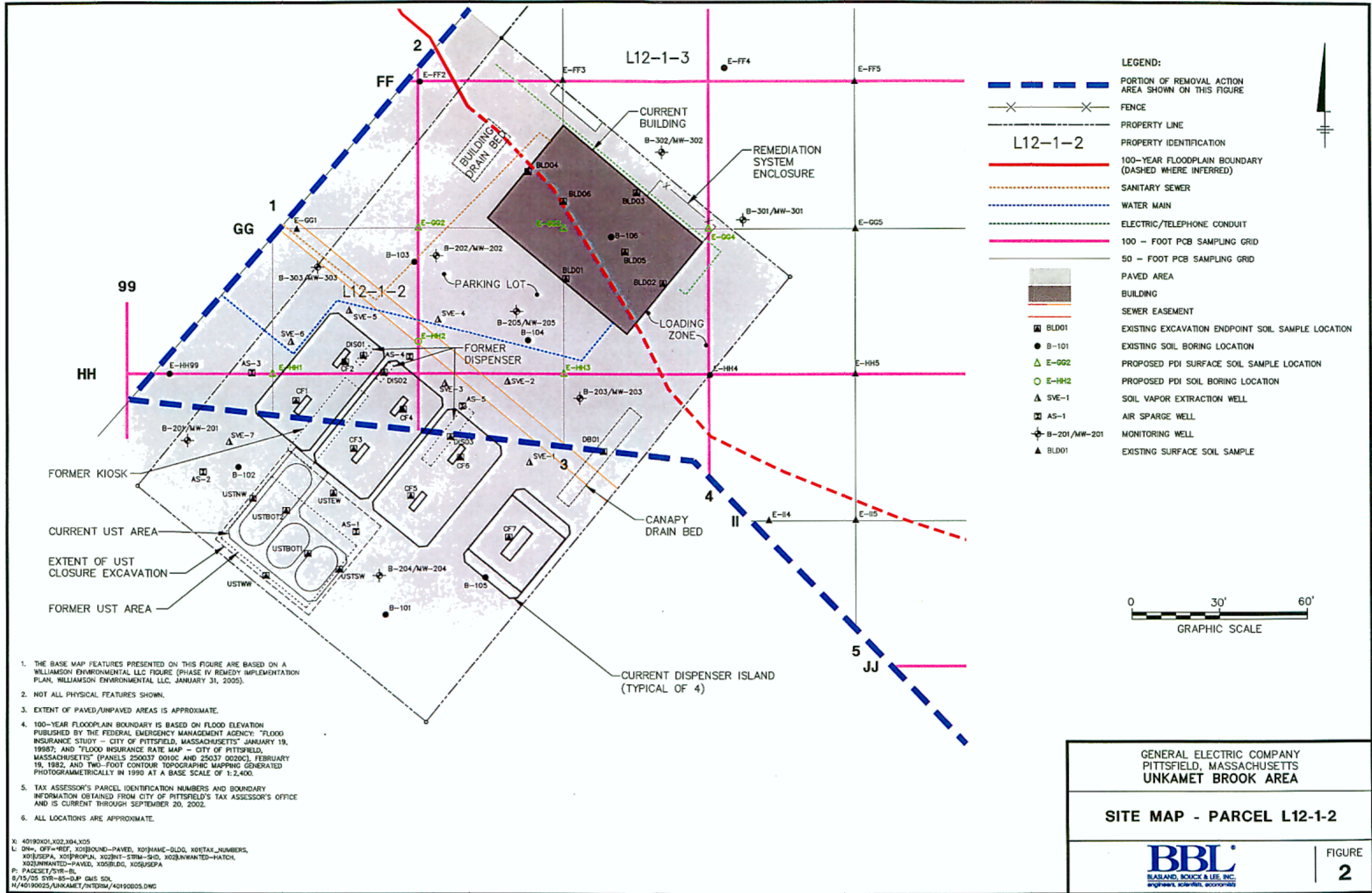
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
UNKAMET BROOK AREA

SITE LOCATION



FIGURE
1

X: 40190X01.DWG, 40190X02.DWG
L: ON =*, OFF =*REF, X01]JSEPA, X02]BOUND-PAVED,
X02]NT-STRM-SHD, X02]RIVER-REMOVE, X02]SHADE-PAVED,
X02]UNWANTED-HATCH, X02]UNWANTED-PAVED
P: PAGESET/SYR-BL
8/15/05 SYR-BL-SOL QMS SOL
N/40190025/UNKAMET/INTERM/40190015.DWG



1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE BASED ON A WILLIAMSON ENVIRONMENTAL LLC FIGURE (PHASE IV REMEDY IMPLEMENTATION PLAN, WILLIAMSON ENVIRONMENTAL LLC, JANUARY 31, 2005).
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. EXTENT OF PAVED/UNPAVED AREAS IS APPROXIMATE.
4. 100-YEAR FLOODPLAIN BOUNDARY IS BASED ON FLOOD ELEVATION PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY: "FLOOD INSURANCE STUDY - CITY OF PITTSFIELD, MASSACHUSETTS" JANUARY 19, 1987; AND "FLOOD INSURANCE RATE MAP - CITY OF PITTSFIELD, MASSACHUSETTS" (PANELS 250037 0010C AND 25037 0020C), FEBRUARY 19, 1982, AND TWO-FOOT CONTOUR TOPOGRAPHIC MAPPING GENERATED PHOTOGRAMMETRICALLY IN 1990 AT A BASE SCALE OF 1:2,400.
5. TAX ASSESSOR'S PARCEL IDENTIFICATION NUMBERS AND BOUNDARY INFORMATION OBTAINED FROM CITY OF PITTSFIELD'S TAX ASSESSOR'S OFFICE AND IS CURRENT THROUGH SEPTEMBER 20, 2002.
6. ALL LOCATIONS ARE APPROXIMATE.

X: 40190X01,X02,X04,X05
 L: DN=, OFF=REF, X01|BOUND=PAVED, X01|NAME=BLDG, X01|TAX_NUMBERS,
 X01|USEPA, X01|PROPLN, X02|INT=STRM=SHD, X02|UNWANTED=HATCH,
 X02|UNWANTED=PAVED, X05|BLDG, X05|USEPA
 P: PAGESET/SYR=BL
 8/15/05 SYR=85-D.M. GMS SDL
 N:\40190025\UNKAMET\INTERIM\40190005.DWG

Attachment

TABLE
SUMMARY OF SOIL ANALYTICAL DATA - SOIL BORINGS

Pittsfield Xtra Mart Facility
422 Merrill Road
Pittsfield, Massachusetts

Compound	Sample ID with Depth																		MCP Method 1 Standards			
	January 29, 2002		January 30, 2002				May 7, 2002		May 8, 2002		May 30, 2002			May 31, 2002			April 15, 2003			S-1 / GW-2	S-1 / GW-3	
	B-101 11'-12.5'	B-102/MW-101 11'-13'	B-103/MW-102 9'-11'	B-104/MW-103 11'-13'	B-105 7'-9'	B-106 7'-9'	B-201/MW-201 13'-15'	SVE-7 15'	AS-1 22'	B-204/MW-204 13'-15'	SVE-4 15'	SVE-5 15'	AS-4 22'	B-202/MW-202 13'-15'	B-203/MW-203 15'-17'	B-205/MW-205 9'-11'	B-301/MW-301 10'-12'	B-302/MW-302 10'-12'	B-303/MW-303 10'-12'	(mg/Kg)	(mg/Kg)	
Soil Screening Result via PID (ppm)	2.1	1,991	214	<1.0	<1.0	<1.0	234	>2,000	76.3	<1.0	>2,000	>2,000	337	3.9	23.8	1,393	<1	<1	<1	NE	NE	
EPH (mg/Kg)																						
C9-C18 Aliphatics	<30	<30	<30	<30	<30	<40	<30	<30	<30	<30	54	<30	<40	<30	<30	66	<30	<30	<30	1,000	1,000	
C19-C36 Aliphatics	45	<30	78	87	<30	<40	<30	<30	<30	<30	<40	<30	<40	<30	<30	<40	<30	<30	<30	2,500	2,500	
C11-C22 Aromatics	<30	<30	<30	<30	<30	<40	<30	<30	<30	<30	69	<30	<40	<30	<30	<40	<30	<30	<30	800	800	
Naphthalene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.84	<0.2	<0.2	0.96	0.35	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	100	100	
2-Methylnaphthalene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1.1	<0.2	<0.2	2.1	0.55	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	500	500	
Acenaphthylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	100	100	
Acenaphthene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1,000	1,000	
Fluorene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1,000	1,000	
Phenanthrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1,000	100	
Anthracene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1,000	1,000	
Fluoranthene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1,000	1,000	
Pyrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	700	700	
Benzo (a) anthracene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	0.7	
Chrysene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	7	7	
Benzo (b) fluoranthene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	0.7	
Benzo (k) fluoranthene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	7	7	
Benzo (a) pyrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	0.7	
Indeno (1,2,3-cd) pyrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	0.7	
Dibenzo (a,h) anthracene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	0.7	
Benzo (g,h,i) perylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1,000	1,000	
VPH (mg/Kg)																						
C5-C8 Aliphatics	<1.0	930	<0.9	<0.9	0.8	<0.9	<1.0	33	<0.9	<0.9	53	46	<0.95	<0.9	<1	61	<1	<1	<1	100	100	
C9-C12 Aliphatics	<0.33	289	5.9	<0.3	<0.3	<0.3	<0.33	26	<0.3	<0.3	27	17	<0.32	<0.3	<0.34	63	<0.34	<0.33	<0.31	1,000	1,000	
C9-C10 Aromatics	<0.33	1,256	0.61	<0.3	<0.3	<0.3	<0.33	141	<0.3	<0.3	150	59	<0.32	<0.3	<0.34	38	<0.34	<0.33	<0.31	100	100	
Benzene	<0.07	<3.3	<0.06	<0.06	<0.05	<0.06	<0.07	<0.63	<0.06	<0.06	<0.63	<0.56	0.1	<0.06	<0.07	<0.29	<0.07	<0.07	<0.07	40	40	
Toluene	<0.07	116	<0.06	<0.06	<0.05	<0.06	<0.07	5.8	<0.06	<0.06	3.6	1.4	0.37	<0.06	<0.07	<0.29	<0.07	<0.07	<0.07	500	500	
Ethylbenzene	<0.07	93	<0.06	<0.06	<0.05	<0.06	<0.07	9.4	<0.06	<0.06	4.9	4.3	0.11	<0.06	<0.07	<0.29	<0.07	<0.07	<0.07	500	500	
Total Xylenes	<0.3	629	<0.2	<0.2	<0.2	<0.2	<0.2	52.6	<0.2	<0.2	40.1	21.8	0.351	<0.2	<0.2	<0.9	<2	<2	<12	500	500	
Methyl tert-butyl ether	<0.07	<3.3	<0.06	<0.06	<0.05	<0.06	<0.07	<0.63	3.7	<0.06	<0.63	<0.56	0.46	<0.06	0.75	<0.29	<0.07	<0.07	<0.07	100	100	
Naphthalene	<0.07	51	<0.06	<0.06	<0.05	<0.06	<0.07	7.9	<0.06	<0.06	5.6	2.8	0.08	<0.06	<0.07	<0.29	<0.07	<0.07	<0.07	100	100	
PCBs (mg/Kg)																						
PCB-1016	<0.32	<0.31	<0.3	<0.3	<0.3	<0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NE	NE
PCB-1221	<0.32	<0.31	<0.3	<0.3	<0.3	<0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NE	NE
PCB-1232	<0.32	<0.31	<0.3	<0.3	<0.3	<0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NE	NE
PCB-1242	<0.32	<0.31	<0.3	<0.3	<0.3	<0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NE	NE
PCB-1248	<0.32	<0.31	<0.3	<0.3	<0.3	<0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NE	NE
PCB-1254	<0.32	<0.31	<0.3	<0.3	<0.3	<0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NE	NE
PCB-1260	<0.32	<0.31	<0.3	<0.3	<0.3	<0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NE	NE
Total PCB	<0.32	<0.31	<0.3	<0.3	<0.3	<0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	2

Notes:
PID is photoionization detector.
EPH is extractable petroleum hydrocarbons.
VPH is volatile petroleum hydrocarbons.
PCBs is polychlorinated biphenyls
mg/Kg is milligram per kilogram.

ppm is parts per million.
NE is not established.
--- is not analyzed for.
Compound concentrations detected above MCP Method 1 Standards are in bold.

TABLE
SUMMARY OF SOIL ANALYTICAL DATA - ENDPOINT SAMPLES

Pittsfield Xtra Mart Facility
422 Merrill Road
Pittsfield, Massachusetts

Compound	Sample ID with Depth																						MCP Method 1 Standards						
	March 28, 2002						April 1, 2002		April 2, 2002			April 3, 2002			April 4, 2002			April 16, 2002							April 18, 2002		May 3, 2002	S-1/GW-2	S-1/GW-3
	BLD 01 2'	BLD 02 1'	BLD 03 1'	BLD 04 2'	BLD 05 Grade	BLD 06 Grade	UST SW 6'	UST WW 6'	DIS 01 5'	DIS 02 3'	UST NW 7'	UST BOT 1 15'	UST BOT 2 15'	UST EW 7'	CF 1 5'	CF 2 5'	CF 3 5'	CF 4 5'	CF 5 5'	CF 6 5'	CF 7 6'	DIS 03 4'	DB 01 6'	(mg/Kg)	(mg/Kg)				
Soil Screening Result via PID (ppm)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	47.2	5.2	932	836	330	1,063	1,122	1,192	25.7	>2,000	1.1	2.8	<1.0	323	<1.0	NE	NE				
EPH (mg/Kg)																													
C9-C18 Aliphatics	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	280	32	<30	270	<30	<30	<30	<30	<30	1,000	1,000				
C19-C36 Aliphatics	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	150	66	<30	37	<30	<30	<30	<30	<30	2,500	2,500				
C11-C22 Aromatics	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	648	67	<30	439	<30	<30	<30	<30	<30	800	800				
Naphthalene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	13	0.34	<0.2	8.1	<0.2	<0.2	<0.2	<0.2	<0.2	100	100				
2-Methylnaphthalene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	0.8	14	1.6	<0.2	2.8	<0.2	<0.2	<0.2	<0.2	<0.2	500	500				
Acenaphthylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	100	100				
Acenaphthene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1,000	1,000				
Fluorene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.22	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1,000	1,000				
Phenanthrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.64	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1,000	100				
Anthracene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1,000	1,000				
Fluoranthene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.50	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1,000	1,000				
Pyrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.48	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	700	700				
Benzo (a) anthracene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	0.7				
Chrysene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	7	7				
Benzo (b) fluoranthene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	0.7				
Benzo (k) fluoranthene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	7	7				
Benzo (a) pyrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	0.7				
Indeno (1,2,3-cd) pyrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	0.7				
Dibenzo (a,h) anthracene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	0.7				
Benzo (g,h,i) perylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1,000	1,000				
VPH (mg/Kg)																													
C5-C8 Aliphatics	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.3	<1.0	<1.0	33	190	120	0.95	570	<0.9	<0.9	<0.9	6.7	<0.93	100	100				
C9-C12 Aliphatics	<0.4	<0.4	<0.4	<0.3	<0.4	<0.3	<0.3	<0.3	0.74	<0.3	2.0	<0.4	<0.3	33	200	200	0.62	320	<0.3	<0.3	<0.3	4.7	0.31	1,000	1,000				
C9-C10 Aromatics	<0.4	<0.4	<0.4	<0.3	<0.4	<0.3	<0.3	<0.3	1.1	<0.3	5.4	<0.4	0.3	78	640	520	0.73	730	<0.3	<0.3	<0.3	3.6	<0.31	100	100				
Benzene	<0.07	<0.07	<0.07	<0.06	<0.07	<0.06	<0.06	<0.06	<0.07	<0.06	<0.06	<0.07	<0.07	<0.6	<1.4	<0.6	0.14	<1.2	<0.06	<0.06	<0.05	<0.06	<0.06	40	40				
Toluene	<0.07	<0.07	<0.07	<0.06	<0.07	<0.06	<0.06	<0.06	<0.07	<0.06	<0.06	<0.07	<0.07	<0.6	7.6	1.0	0.25	46.3	<0.06	<0.06	<0.05	<0.06	<0.06	500	500				
Ethylbenzene	<0.07	<0.07	<0.07	<0.06	<0.07	<0.06	<0.06	<0.06	<0.07	<0.06	0.2	<0.07	<0.07	2.0	22.1	5.1	1.0	57.9	<0.06	<0.06	<0.05	<0.06	<0.06	500	500				
Total Xylenes	<0.3	<0.3	<0.3	<0.2	<0.3	<0.2	<0.2	<0.2	<0.3	<0.2	0.82	<0.2	<0.2	8.5	248	89.8	0.39	415	<0.2	<0.2	<0.2	0.16	<0.2	500	500				
Methyl tert-butyl ether	<0.07	<0.07	<0.07	<0.06	<0.07	<0.06	<0.06	<0.06	<0.07	<0.06	<0.06	11.2	<0.07	<0.6	<1.4	<0.6	<0.06	<1.2	<0.06	<0.06	<0.02	0.19	<0.06	100	100				
Naphthalene	<0.07	<0.07	<0.07	<0.06	<0.07	<0.06	<0.06	<0.06	<0.07	<0.06	0.2	<0.07	<0.07	2.1	26.7	28	<0.06	23.7	<0.06	<0.06	<0.02	0.06	<0.06	100	100				

Notes:
PID is photoionization detector.
EPH is extractable petroleum hydrocarbons.
VPH is volatile petroleum hydrocarbons.
mg/Kg is milligram per kilogram.
Compound concentrations detected above MCP Method 1 Standards are in bold.
ppm is parts per million.
NE is not established.