01-0917
SDMS 248149

GE
159 Plastics Avenue
Pittsfield, MA 01201
USA

Transmitted Via Overnight Delivery

March 7, 2006

Mr. William Lovely (MC HBO)
USEPA – New England
One Congress Street, Suite 1100
Boston, Massachusetts 02114-2023

Re: GE-Pittsfield/Housatonic River Site
Unkamet Brook Area (GECD170)
Proposed Excavation Plan to Support Facility Upgrade Project

Dear Mr. Lovely:

As previously discussed with United States Environmental Protection Agency (EPA), General Dynamics plans to perform a facility upgrade that will involve soil excavation within and adjacent to portions of the Unkamet Brook Removal Action Area (Unkamet Brook RAA) in Pittsfield, Massachusetts. In anticipation of those excavations, General Electric Company (GE) has reviewed the available soil data in the areas of the proposed excavations to determine potential reuse and/or disposition options for any excavated materials.

The remainder of this letter summarizes the upgrade activities and proposes an approach for the handling and disposition of excavated soils.

A. DESCRIPTION OF FACILITY UPGRADE

General Dynamics plans to upgrade the facility over the next several months by replacing the existing GE power supply that serves Building OP-3 with a new, non-GE power supply. This upgrade will be performed within Parcel L12-2-2, a portion of which is located within the Unkamet Brook RAA as shown on Figures 1 and 2.

To perform the facility upgrade, General Dynamics plans to install the following:

- Two concrete pads that will require an excavation area measuring approximately 3 feet wide, 3 feet long, and 4 feet deep for each pad, resulting in the excavation of approximately 1.3 cubic yards of soil for each pad;

- Six utility poles that will require an excavation area measuring approximately 3 feet in diameter and 5 feet deep for each pole, resulting in an excavation of approximately 1.3 cubic yards of soil for each pole. [Note that two of these poles (i.e., poles 3 and 4) are shown outside of the RAA boundary on Figures 1 and 2, but because survey information is not available for the locations of those poles, GE is reviewing the data in the area of those two poles as if they were located within the RAA]; and

- Two lengths of below-ground cable that will require two trench excavations measuring approximately 1.25 feet wide, 82 feet long, and 3 feet deep for each cable, resulting in the excavation of approximately 11.4 cubic yards of soil for each trench.

B. SOIL CHARACTERIZATION, HANDLING, AND DISPOSTION

To support the future evaluation and design of soil-related response actions, GE has performed pre-design soil investigations for the Unkamet Brook RAA. Specifically, pre-design soil sample collection and analyses in the area of Building OP-3 was initiated in May 2004 and completed in July 2004. The scope of these activities is summarized in the September 2005 *Pre-Design Investigation Report for Unkamet Brook Area Removal Action* (PDI Report). Additionally, Figures 1 and 2 illustrate the soil sample locations in the area of Building OP-3.

At this time, Removal Design/Removal Action (RD/RA) evaluations have not yet been conducted for the Unkamet Brook RAA. Since evaluations have not been performed, GE believes the soils should be replaced in the same general location and depth increment (i.e., 0- to 1-foot, 1- to 3-foot, 3- to 6-foot, and 6- to 15-foot) from which they were excavated. This will minimize the disturbance of the soils in the area of Building OP-3, and the analytical results for the samples collected from those soils can be used in future RD/RA evaluations to properly characterize the soils and determine if remedial action is necessary. Those future RD/RA evaluations will be performed as part of the Conceptual RD/RA Work Plan that is anticipated to be completed following the completion of the pre-design soil sampling activities for the entire Unkamet Brook RAA.

It is not anticipated that all of the approximate 33 cubic yards of soil proposed for removal will be able to be replaced in the excavations. To determine how to handle those excess soils, GE has reviewed the available analytical results associated with those pre-design soil samples in the areas and depths proposed for excavation, as shown on Figures 1 and 2. This data set includes 55 soil samples analyzed for polychlorinated biphenyls (PCBs) and 24 soil samples analyzed for non-PCB, Appendix IX of 40 CFR 264, plus 2-chloroethyl vinyl ether, benzidine, and 1,2-diphenylhydrazine (Appendix IX+3). The PCB and Appendix IX+3 data results included in this review are summarized in Tables 1 and 2, respectively, and discussed below.

For PCBs, the maximum concentration in the areas of the proposed excavations was 1.6 ppm at soil sample location RAA10-E-I21, collected from the 0- to 1-foot depth increment. For Appendix IX+3 constituents the analytical data showed that the soils proposed to be excavated for the installation of the two concrete pads, the two trenches, and poles 1, 2, 4, 5, and 6 will not be considered hazardous waste under the EPA's regulations pursuant to the Resource Conservation and Recovery Act (RCRA). For the installation of Pole 3, the available Appendix IX+3 data indicate that the excavated soils from the proposed excavation area might, if toxicity characteristic leaching procedure tests were performed, be considered hazardous waste under the EPA's regulations pursuant to RCRA (i.e., elevated concentrations of 2,4-dinitrotoluene).

Because available analytical data in the area of the soils proposed to be excavated for the installation of the two concrete pads, the two trenches, and poles 1, 2, 4, 5, and 6 indicate that PCB concentrations are below 50 ppm and that those soils are not considered hazardous waste, GE is proposing to dispose of the excess excavated soils from those excavations at the Hill 78 OPCA. For those soils proposed to be excavated for the installation of Pole 3, GE proposes to dispose of the excess excavated soils at the Building 71 OPCA.

After receiving EPA approval, General Dynamics plans to initiate the facility upgrade summarized in Section A of this letter. Therefore, GE would appreciate EPA's review of this proposal at its earliest opportunity.

Please call me if you have any questions.

Sincerely,

John F. Novotny/nme

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

Enclosure
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cc: Tim Conway, EPA
Dean Tagliaferro, EPA
John Kilborn, EPA
Holly Inglis, EPA
Rose Howell, EPA
Linda Palmieri, Weston
Susan Steenstrup, MDEP (2 copies)
Anna Symington, MDEP*
Robert Bell, MDEP*
Thomas Angus, MDEP*
Anthony Kurpaska, MDEP
K.C. Mitkevicius, USACE
Nancy E. Harper, MA AG*
Dale Young, MA EOEA
Mayor James Ruberto, City of Pittsfield
Pittsfield Department of Health
Michael Carroll, GE*
Rod McLaren, GE*
Andrew Silfer, GE
James Nuss, BBL
James Bieke, Goodwin Procter
Laurence Kirsch, Goodwin Procter
Scott LeBeau, General Dynamics
Cheryl Grosso, United States Navy
Public Information Repositories
GE Internal Repository

**without attachments*

TABLE 1
SOIL SAMPLING DATA FOR PCBs

PRE-EXCAVATION NOTIFICATION DATA
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-A22	0-1	5/26/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.080	0.080
RAA10-E-B22	0-1	5/20/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-3	5/20/2004	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]
	3-6	5/20/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	6-15	5/20/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-B23	0-1	5/26/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-B24	0-1	5/25/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	1-3	5/25/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	3-6	5/25/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	6-15	5/25/2004	ND(0.045) [ND(0.046)]	ND(0.045) [ND(0.046)]	ND(0.045) [ND(0.046)]	ND(0.045) [ND(0.046)]	ND(0.045) [ND(0.046)]	ND(0.045) [ND(0.046)]	ND(0.045) [ND(0.046)]	ND(0.045) [ND(0.046)]
RAA10-E-C24	0-1	5/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-E-C25	0-1	5/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-E-C26	0-1	5/26/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.092	0.51	0.602
RAA10-E-D22	0-1	5/20/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-3	5/20/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	3-6	5/20/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	6-15	5/20/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-E-D24	0-1	5/17/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-3	5/17/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	3-6	5/17/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	6-15	5/17/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-D26	0-1	5/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.034 J	0.044	0.078
	1-3	5/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.050	0.044	0.094
	3-6	5/26/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.034 J	0.024 J	0.058 J
	6-15	5/26/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
RAA10-E-E22	0-1	5/17/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.041	0.041
RAA10-E-E23	0-1	5/17/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.026 J	0.026 J
RAA10-E-E26	0-1	5/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.17	0.23	0.40
RAA10-E-E27	0-1	5/27/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.44	0.44
RAA10-E-F26	0-1	5/25/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.52	0.52
	1-3	5/25/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	3-6	5/25/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	6-15	5/25/2004	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)
RAA10-E-F27	0-1	5/27/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.14	0.12	0.26
RAA10-E-G21	0-1	5/19/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.088	0.088
RAA10-E-G24	0-1	5/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.044	0.030 J	0.074
RAA10-E-G25	0-1	5/26/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.051	0.051
RAA10-E-G26	0-1	5/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.095	0.070	0.165
RAA10-E-G27	0-1	5/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-E-H20	0-1	7/28/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.020 J	0.020 J
	1-3	7/28/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	3-6	7/28/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	7/28/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA10-E-H21	0-1	5/17/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.089	0.089
RAA10-E-H25	0-1	5/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.12	0.12
RAA10-E-H26	0-1	5/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-3	5/26/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	3-6	5/26/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	6-15	5/26/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
RAA10-E-H27	0-1	5/26/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.051	0.051
RAA10-E-I20	0-1	5/17/2004	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [0.019 J]	ND(0.036) [0.019 J]
RAA10-E-I21	0-1	5/17/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	1.6	ND(0.036)	1.6

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

Data Qualifiers:
J - Indicates an estimated value.

TABLE 2
SOIL SAMPLING DATA FOR APPENDIX IX + 3 CONSTITUENTS

PRE-EXCAVATION NOTIFICATION DATA
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:	RAA10-E-A22 0-1 05/26/04	RAA10-E-B22 0-1 05/20/04	RAA10-E-B22 1-3 05/20/04	RAA10-E-C24 0-1 05/26/04	RAA10-E-D22 0-1 05/20/04	RAA10-E-D22 6-15 05/20/04
Volatile Organics						
None Detected	--	--	--	--	--	NA
Semivolatile Organics						
2,4-Dinitrotoluene	ND(0.35)	5.8	ND(0.36) [ND(0.36)]	ND(0.43)	ND(0.36)	NA
2-Methylnaphthalene	ND(0.35)	ND(0.36)	ND(0.36) [ND(0.36)]	ND(0.43)	1.2	NA
Acenaphthene	ND(0.35)	0.59	0.10 J [ND(0.36)]	ND(0.43)	ND(0.36) J	NA
Acenaphthylene	34	6.7	0.61 [0.42]	6.2	16	NA
Anthracene	14	5.4	0.087 J [0.078 J]	2.6	9.5	NA
Benzidine	ND(0.70) J	ND(0.72) J	ND(0.71) J [ND(0.72) J]	ND(0.86) J	ND(0.72) J	NA
Benzo(a)anthracene	26	9.9	0.18 J [0.22 J]	5.5	15	NA
Benzo(a)pyrene	18	4.7	0.098 J [0.11 J]	4.0	11	NA
Benzo(b)fluoranthene	13	3.7	ND(0.36) [0.091 J]	2.8	6.5	NA
Benzo(g,h,i)perylene	11	2.9	0.080 J [0.080 J]	2.7	5.6	NA
Benzo(k)fluoranthene	14	3.7	ND(0.36) [0.10 J]	3.3	9.7	NA
Chrysene	27	9.9	0.18 J [0.22 J]	5.5	16	NA
Dibenzo(a,h)anthracene	2.7	0.94	ND(0.36) [ND(0.36)]	1.0	2.1	NA
Dibenzofuran	ND(0.35)	0.14 J	ND(0.36) [ND(0.36)]	0.30 J	1.2	NA
Diethylphthalate	ND(0.35)	ND(0.36)	ND(0.36) [ND(0.36)]	ND(0.43)	ND(0.36)	NA
Fluoranthene	52	24	0.44 [0.55]	8.6	33	NA
Fluorene	ND(0.35)	ND(0.36)	0.12 J [ND(0.36)]	ND(0.43)	6.4	NA
Indeno(1,2,3-cd)pyrene	5.4	2.4	ND(0.36) [ND(0.36)]	2.4	4.5	NA
Naphthalene	0.48	ND(0.36)	ND(0.36) [ND(0.36)]	0.13 J	0.50	NA
Phenanthrene	9.7	7.6	0.10 J [0.15 J]	2.5	27	NA
Pyrene	44	21	0.33 J [0.44]	9.4	31	NA
Furans						
2,3,7,8-TCDF	ND(0.000022)	0.0000014 J	0.00000063 J [0.0000012 J]	ND(0.0000016) X	ND(0.000021)	0.00000026 J
TCDFs (total)	ND(0.000022)	0.0000057 J	0.0000044 J [0.0000079 J]	0.0000036 JQ	ND(0.000021)	0.00000026 J
1,2,3,7,8-PeCDF	ND(0.000054)	ND(0.0000026)	0.00000021 J [0.00000063 J]	ND(0.0000025)	ND(0.000052)	ND(0.00000059)
2,3,4,7,8-PeCDF	ND(0.000054)	ND(0.0000026)	0.00000031 J [0.00000074 J]	ND(0.0000025)	ND(0.000052)	ND(0.00000059)
PeCDFs (total)	ND(0.000054)	ND(0.0000026) Q	0.0000026 J [0.0000044 J]	ND(0.0000025) Q	ND(0.000052)	ND(0.00000059)
1,2,3,4,7,8-HxCDF	ND(0.000054)	ND(0.0000026)	0.00000022 J [0.00000068 J]	ND(0.0000025)	ND(0.000052)	ND(0.00000059)
1,2,3,6,7,8-HxCDF	ND(0.000054)	ND(0.0000026)	ND(0.00000021) [0.00000060 J]	ND(0.0000025)	ND(0.000052)	ND(0.00000059)
1,2,3,7,8,9-HxCDF	ND(0.000054)	ND(0.0000026)	ND(0.00000021) [ND(0.00000052)]	ND(0.0000025)	ND(0.000052)	ND(0.00000059)
2,3,4,6,7,8-HxCDF	ND(0.000054)	ND(0.0000026)	ND(0.00000021) [0.00000058 J]	ND(0.0000025)	ND(0.000052)	ND(0.00000059)
HxCDFs (total)	ND(0.000054)	ND(0.0000026)	0.0000028 J [0.0000047 J]	0.0000072 J	ND(0.000052)	ND(0.00000059)
1,2,3,4,6,7,8-HpCDF	ND(0.000054)	ND(0.0000026)	0.0000035 [0.0000039 J]	0.0000046 J	ND(0.000052)	ND(0.00000059)
1,2,3,4,7,8,9-HpCDF	ND(0.000054)	ND(0.0000026)	ND(0.00000021) [ND(0.00000052)]	ND(0.0000025)	ND(0.000052)	ND(0.00000059)
HpCDFs (total)	ND(0.000054)	ND(0.0000026)	0.0000064 [0.0000068]	0.0000082 J	ND(0.000052)	ND(0.00000059)
OCDF	ND(0.00011)	ND(0.0000051)	0.0000024 J [0.0000029 J]	ND(0.0000051)	ND(0.00010)	ND(0.0000012)
Dioxins						
2,3,7,8-TCDD	ND(0.000022)	ND(0.0000010)	ND(0.000000084) [ND(0.00000021)]	ND(0.0000010)	ND(0.000021)	ND(0.00000024)
TCDDs (total)	ND(0.000060)	ND(0.0000024)	ND(0.00000024) [ND(0.00000021)]	ND(0.0000031) Q	ND(0.000057)	ND(0.00000070)
1,2,3,7,8-PeCDD	ND(0.000054)	ND(0.0000026)	ND(0.00000021) [ND(0.00000052)]	ND(0.0000025)	ND(0.000052)	ND(0.00000059)
PeCDDs (total)	ND(0.000088)	ND(0.0000035)	ND(0.00000040) Q [ND(0.00000091) Q]	ND(0.0000039)	ND(0.000069)	ND(0.00000080)
1,2,3,4,7,8-HxCDD	ND(0.000054)	ND(0.0000026)	ND(0.00000021) [ND(0.00000052)]	ND(0.0000025)	ND(0.000052)	ND(0.00000059)
1,2,3,6,7,8-HxCDD	ND(0.000054)	ND(0.0000026)	0.00000024 J [0.00000070 J]	ND(0.0000025)	ND(0.000052)	ND(0.00000059)
1,2,3,7,8,9-HxCDD	ND(0.000054)	ND(0.0000026)	ND(0.00000021) [0.00000061 J]	ND(0.0000025)	ND(0.000052)	ND(0.00000059)
HxCDDs (total)	ND(0.000054)	ND(0.0000045)	0.00000046 J [ND(0.00000098)]	ND(0.0000025)	ND(0.000097)	ND(0.0000011)
1,2,3,4,6,7,8-HpCDD	ND(0.000054)	ND(0.0000026)	0.0000019 J [0.0000027 J]	0.0000034 J	ND(0.000052)	ND(0.00000059)
HpCDDs (total)	ND(0.000054)	ND(0.0000026)	0.0000032 [0.0000044 J]	0.0000034 J	ND(0.000052)	ND(0.00000059)
OCDD	ND(0.00011)	0.0000089 J	0.000013 [0.000015]	0.000022 J	0.00014 J	0.0000013 J
Total TEQs (WHO TEFs)	0.000074	0.0000036	0.00000053 [0.0000013]	0.0000035	0.000071	0.00000082
Inorganics						
Antimony	ND(6.00)	ND(6.00) J	1.00 J [ND(6.00) J]	ND(6.00)	ND(6.00) J	NA
Arsenic	3.40	2.90 J	3.00 J [3.80 J]	3.30	3.00 J	NA
Barium	83.0	11.0 J	16.0 J [18.0 J]	16.0 B	20.0 J	NA
Beryllium	0.0890 B	0.140 B	0.140 B [0.140 B]	0.150 B	0.150 B	NA
Cadmium	0.300 B	0.400 B	0.410 B [0.770]	0.300 B	0.410 B	NA
Chromium	4.00	3.90	4.20 [5.00]	4.90	4.70	NA
Cobalt	5.20	4.60 B	4.40 B [5.40]	5.80	3.90 B	NA
Copper	10.0	9.00 J	9.10 J [19.0 J]	9.90	14.0 J	NA
Cyanide	0.0240 B	ND(0.430)	ND(0.210) [0.0180 B]	0.0210 B	ND(0.210)	NA
Lead	11.0	4.60	6.40 [5.90]	5.80	13.0	NA
Mercury	ND(0.100)	ND(0.110)	ND(0.110) [ND(0.110)]	ND(0.110)	0.0520 B	NA
Nickel	9.20	6.80	7.00 [8.80]	9.00	9.10	NA
Selenium	ND(1.00) J	ND(1.00) J	ND(1.00) J [ND(1.00) J]	ND(1.00) J	ND(1.00) J	NA
Silver	ND(1.00)	ND(1.00)	ND(1.00) [ND(1.00)]	ND(1.00)	ND(1.00)	NA
Sulfide	6.70	ND(5.30)	6.80 [ND(5.30)]	5.20 B	ND(5.40)	NA
Tin	ND(10)	ND(10) J	ND(10) J [ND(10) J]	ND(10)	ND(10) J	NA
Vanadium	6.70	3.40 B	3.30 B [5.20]	5.40	3.50 B	NA
Zinc	25.0	23.0 J	24.0 J [41.0 J]	27.0	28.0 J	NA

TABLE 2
SOIL SAMPLING DATA FOR APPENDIX IX + 3 CONSTITUENTS

PRE-EXCAVATION NOTIFICATION DATA
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-E-D24 0-1 05/17/04	RAA10-E-D26 0-1 05/26/04	RAA10-E-D26 1-3 05/26/04	RAA10-E-D26 3-6 05/26/04	RAA10-E-D26 4-5 05/26/04	RAA10-E-D26 6-15 05/26/04	RAA10-E-D26 8-10 05/26/04	RAA10-E-E23 0-1 05/17/04
Volatile Organics								
None Detected	--	--	--	NA	--	NA	--	--
Semivolatile Organics								
2,4-Dinitrotoluene	ND(0.36)	ND(0.36)	ND(0.40)	ND(0.52)	NA	ND(0.57)	NA	ND(0.37)
2-Methylnaphthalene	ND(0.36)	ND(0.36)	ND(0.40)	ND(0.52)	NA	ND(0.57)	NA	ND(0.37)
Acenaphthene	ND(0.36)	ND(0.36)	ND(0.40)	ND(0.52)	NA	ND(0.57)	NA	ND(0.37)
Acenaphthylene	0.50	0.87	0.30 J	0.68	NA	ND(0.57)	NA	0.23 J
Anthracene	0.51	0.31 J	0.11 J	0.28 J	NA	ND(0.57)	NA	0.13 J
Benzidine	ND(0.72)	ND(0.73) J	ND(0.80) J	ND(1.0) J	NA	ND(1.1) J	NA	0.34 J
Benzo(a)anthracene	0.72	0.67	0.22 J	0.53	NA	ND(0.57)	NA	0.25 J
Benzo(a)pyrene	0.36	0.49	0.21 J	0.36 J	NA	0.17 J	NA	0.20 J
Benzo(b)fluoranthene	0.23 J	0.34 J	0.16 J	0.25 J	NA	ND(0.57)	NA	0.13 J
Benzo(g,h,i)perylene	0.22 J	0.35 J	0.25 J	0.24 J	NA	ND(0.57)	NA	0.15 J
Benzo(k)fluoranthene	0.32 J	0.51	0.22 J	0.39 J	NA	ND(0.57)	NA	0.16 J
Chrysene	0.76	0.84	0.33 J	0.62	NA	ND(0.57)	NA	0.30 J
Dibenzo(a,h)anthracene	ND(0.36)	0.078 J	ND(0.40)	ND(0.52)	NA	ND(0.57)	NA	ND(0.37)
Dibenzofuran	ND(0.36)	ND(0.36)	ND(0.40)	ND(0.52)	NA	ND(0.57)	NA	ND(0.37)
Diethylphthalate	ND(0.36)	ND(0.36)	0.14 J	ND(0.52)	NA	ND(0.57)	NA	ND(0.37)
Fluoranthene	1.7	1.8	0.71	1.5	NA	ND(0.57)	NA	0.36 J
Fluorene	0.15 J	ND(0.36)	ND(0.40)	ND(0.52)	NA	ND(0.57)	NA	ND(0.37)
Indeno(1,2,3-cd)pyrene	0.15 J	0.24 J	0.12 J	0.16 J	NA	ND(0.57)	NA	0.094 J
Naphthalene	ND(0.36)	ND(0.36)	ND(0.40)	ND(0.52)	NA	ND(0.57)	NA	ND(0.37)
Phenanthrene	0.83	0.70	0.26 J	0.67	NA	ND(0.57)	NA	0.14 J
Pyrene	1.9	1.3	0.45	1.0	NA	ND(0.57)	NA	0.46
Furans								
2,3,7,8-TCDF	ND(0.00000034) X	0.0000014 J	0.00000094 J	0.0000057 Y	NA	ND(0.00000033) X	NA	0.00000083 Y
TCDFs (total)	0.0000024 Q	0.000079	0.000062 I	0.000060	NA	ND(0.00000027)	NA	0.000010 Q
1,2,3,7,8-PeCDF	ND(0.00000021) Q	0.00000058 J	ND(0.00000052)	0.0000021 J	NA	ND(0.00000068)	NA	0.00000054 J
2,3,4,7,8-PeCDF	0.00000026 JQ	0.000017	0.000014	0.0000079	NA	ND(0.00000068)	NA	0.0000022 J
PeCDFs (total)	0.00000093 JQ	0.00019 QI	0.00015 QI	0.000078 Q	NA	ND(0.00000068)	NA	0.000019 Q
1,2,3,4,7,8-HxCDF	ND(0.00000021)	0.0000012 J	0.00000092 J	0.0000032 J	NA	ND(0.00000068)	NA	0.00000080 J
1,2,3,6,7,8-HxCDF	ND(0.00000021)	0.0000030 J	0.0000025 J	0.0000043 J	NA	ND(0.00000068)	NA	0.00000060 J
1,2,3,7,8,9-HxCDF	ND(0.00000021) Q	0.0000010 J	0.00000067 J	0.0000015 J	NA	ND(0.00000068)	NA	ND(0.00000027) Q
2,3,4,6,7,8-HxCDF	ND(0.00000021)	0.0000071	0.0000059	0.0000038 J	NA	ND(0.00000068)	NA	0.0000013 J
HxCDFs (total)	0.00000093 JQ	0.000096	0.000076	0.00010	NA	ND(0.00000068)	NA	0.000019 Q
1,2,3,4,6,7,8-HpCDF	0.00000024 J	0.0000042 J	0.0000032 J	0.00012	NA	ND(0.00000068)	NA	0.000011
1,2,3,4,7,8,9-HpCDF	ND(0.00000021)	ND(0.00000054)	ND(0.00000052)	0.0000017 J	NA	ND(0.00000068)	NA	ND(0.00000027)
HpCDFs (total)	0.00000024 J	0.0000094	0.0000074	0.00021	NA	ND(0.00000068)	NA	0.000019 Q
OCDF	ND(0.00000042)	0.0000027 J	0.0000024 J	0.000055	NA	ND(0.0000014)	NA	0.0000054 J
Dioxins								
2,3,7,8-TCDD	ND(0.000000084)	ND(0.00000022)	ND(0.00000021)	0.00000042 J	NA	ND(0.00000027)	NA	ND(0.00000011)
TCDDs (total)	ND(0.00000019) Q	ND(0.00000059)	ND(0.00000064)	ND(0.00000080)	NA	ND(0.00000073)	NA	ND(0.00000031) Q
1,2,3,7,8-PeCDD	ND(0.00000021)	ND(0.00000054)	ND(0.00000052)	ND(0.00000074)	NA	ND(0.00000068)	NA	0.00000029 J
PeCDDs (total)	ND(0.00000038) Q	0.0000024 JQ	0.0000018 JQ	0.0000016 J	NA	ND(0.00000098)	NA	0.0000019 JQ
1,2,3,4,7,8-HxCDD	ND(0.00000021) J	ND(0.00000054)	ND(0.00000052)	ND(0.00000074)	NA	ND(0.00000068)	NA	ND(0.00000027)
1,2,3,6,7,8-HxCDD	ND(0.00000021)	0.0000014 J	0.0000014 J	0.0000022 J	NA	ND(0.00000068)	NA	0.00000068 J
1,2,3,7,8,9-HxCDD	ND(0.00000021)	0.00000091 J	0.00000086 J	0.00000097 J	NA	ND(0.00000068)	NA	0.00000040 J
HxCDDs (total)	ND(0.00000041)	0.000013	0.000011	0.000019	NA	ND(0.0000011)	NA	0.0000056
1,2,3,4,6,7,8-HpCDD	0.00000044 J	0.0000044 J	0.0000040 J	0.000034	NA	ND(0.00000068)	NA	0.0000051
HpCDDs (total)	0.00000072 J	0.0000089	0.0000084	0.000072	NA	ND(0.00000068)	NA	0.0000095
OCDD	0.0000021 J	0.000019	0.000015	0.00041	NA	ND(0.0000014)	NA	0.000041
Total TEQs (WHO TEFs)	0.00000038	0.000011	0.0000088	0.0000087	NA	0.00000093	NA	0.0000021
Inorganics								
Antimony	ND(6.00) J	ND(6.00)	ND(6.00)	ND(6.00)	NA	ND(6.00)	NA	3.90 J
Arsenic	3.50	2.80	2.60	3.20	NA	1.70	NA	6.40
Barium	17.0 B	87.0	17.0 B	41.0	NA	25.0	NA	32.0
Beryllium	0.200 B	0.200 B	0.130 B	0.320 B	NA	0.180 B	NA	0.290 B
Cadmium	0.460 B	0.310 B	0.260 B	0.460 B	NA	0.270 B	NA	1.40
Chromium	4.80	5.10	8.40	12.0	NA	6.80	NA	10.0
Cobalt	5.60	6.20	5.40	7.10	NA	5.40	NA	11.0
Copper	9.00	9.30	10.0	15.0	NA	8.20	NA	62.0
Cyanide	0.0250 B	0.0210 B	0.0170 B	0.0830 B	NA	0.0280 B	NA	0.0330 B
Lead	5.30	7.00	7.00	15.0	NA	3.20	NA	19.0
Mercury	ND(0.110)	ND(0.110)	ND(0.110)	0.0750 B	NA	ND(0.140)	NA	0.0160 B
Nickel	8.60	9.60	10.0	13.0	NA	9.40	NA	20.0
Selenium	ND(1.00) J	ND(1.00) J	ND(1.00) J	0.900 J	NA	ND(1.10) J	NA	ND(1.00) J
Silver	ND(1.00)	0.280 B	ND(1.00)	ND(1.00)	NA	ND(1.10)	NA	ND(1.00)
Sulfide	ND(5.40)	ND(5.50)	7.00	29.0	NA	160	NA	ND(5.60)
Tin	ND(9.0)	ND(10)	ND(10)	ND(10)	NA	ND(11)	NA	13.0
Vanadium	4.20 J	5.40	6.30	9.30	NA	7.50	NA	7.00 J
Zinc	32.0	36.0	30.0	52.0	NA	37.0	NA	48.0

TABLE 2
SOIL SAMPLING DATA FOR APPENDIX IX + 3 CONSTITUENTS

PRE-EXCAVATION NOTIFICATION DATA
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID:	RAA10-E-E27	RAA10-E-F26	RAA10-E-G21	RAA10-E-G24	RAA10-E-H20	RAA10-E-H26	RAA10-E-H26	RAA10-E-H26
Sample Depth(Feet):	0-1	0-1	0-1	0-1	0-1	0-1	1-3	3-6
Parameter Date Collected:	05/27/04	05/25/04	05/19/04	05/18/04	07/28/04	05/26/04	05/26/04	05/26/04
Volatile Organics								
None Detected	--	--	--	--	--	--	--	NA
Semivolatile Organics								
2,4-Dinitrotoluene	ND(0.42)	ND(0.37)	ND(0.35)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.71)	ND(0.93)
2-Methylnaphthalene	ND(0.42)	ND(0.37)	0.18 J	ND(0.36)	ND(0.36)	0.10 J	0.50 J	ND(0.93)
Acenaphthene	ND(0.42)	ND(0.37)	ND(0.35)	ND(0.36)	ND(0.36)	ND(0.36)	0.60 J	ND(0.93)
Acenaphthylene	ND(0.42)	ND(0.37)	1.8	ND(0.36)	ND(0.36)	5.2	2.4	ND(0.93)
Anthracene	0.11 J	ND(0.37)	1.3	ND(0.36)	ND(0.36)	3.1	1.7	ND(0.93)
Benzidine	ND(0.84) J	ND(0.75)	ND(0.71)	ND(0.72)	ND(0.72)	ND(0.71) J	ND(1.4) J	ND(1.9) J
Benzo(a)anthracene	0.19 J	ND(0.37)	2.9	ND(0.36)	ND(0.36)	3.2	1.6	ND(0.93)
Benzo(a)pyrene	0.15 J	ND(0.37)	1.7	ND(0.36)	ND(0.36)	2.0	0.96	ND(0.93)
Benzo(b)fluoranthene	0.12 J	ND(0.37)	1.4	ND(0.36)	ND(0.36)	1.3	0.60 J	ND(0.93)
Benzo(g,h,i)perylene	ND(0.42)	ND(0.37)	0.99	ND(0.36)	ND(0.36)	1.1	0.54 J	ND(0.93)
Benzo(k)fluoranthene	0.12 J	ND(0.37)	1.4	ND(0.36)	ND(0.36)	1.9	0.70 J	ND(0.93)
Chrysene	0.21 J	ND(0.37)	3.2	ND(0.36)	ND(0.36)	3.3	1.6	ND(0.93)
Dibenzo(a,h)anthracene	ND(0.42)	ND(0.37)	0.29 J	ND(0.36)	ND(0.36)	0.43	0.22 J	ND(0.93)
Dibenzofuran	ND(0.42)	ND(0.37)	0.14 J	ND(0.36)	ND(0.36)	0.76	0.36 J	ND(0.93)
Diethylphthalate	ND(0.42)	ND(0.37)	ND(0.35)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.71)	ND(0.93)
Fluoranthene	0.54	ND(0.37)	5.4	ND(0.36)	0.099 J	14	5.1	ND(0.93)
Fluorene	ND(0.42)	ND(0.37)	0.59	ND(0.36)	ND(0.36)	3.0	1.7	ND(0.93)
Indeno(1,2,3-cd)pyrene	ND(0.42)	ND(0.37)	0.80	ND(0.36)	ND(0.36)	0.84	0.41 J	ND(0.93)
Naphthalene	ND(0.42)	ND(0.37)	0.092 J	ND(0.36)	ND(0.36)	0.11 J	ND(0.71)	ND(0.93)
Phenanthrene	0.28 J	ND(0.37)	4.1	ND(0.36)	ND(0.36)	16	6.2	ND(0.93)
Pyrene	0.34 J	ND(0.37)	6.1	ND(0.36)	0.081 J	6.8	3.5	ND(0.93)
Furans								
2,3,7,8-TCDF	0.0000041 Y	0.0000032 Y	0.00000065 JQ	0.00000070 J	0.00000032 J	0.00000058 J	0.0000021 J	0.00000043 J
TCDFs (total)	0.00016 I	0.00026 I	0.000019 Q	0.0000040	0.0000022	0.000017 Q	0.000017 Q	0.00000043 J
1,2,3,7,8-PeCDF	0.0000023 J	0.0000095	0.00000053 JQ	0.00000033 J	ND(0.00000022)	ND(0.00000054) Q	0.00000069 J	ND(0.00000069)
2,3,4,7,8-PeCDF	0.000050	0.00013	0.0000035 Q	0.00000078 J	0.00000045 J	0.0000055 Q	0.0000020 J	ND(0.00000069)
PeCDFs (total)	0.00051 QI	0.00083 Q	0.000019 Q	0.0000073	0.0000046	0.000015 Q	0.000011 Q	ND(0.00000069)
1,2,3,4,7,8-HxCDF	ND(0.0000062) X	0.000099	0.0000030	0.00000059 J	ND(0.00000029)	0.00000077 J	0.00000065 J	ND(0.00000069)
1,2,3,6,7,8-HxCDF	0.0000099	0.000037	0.0000020 J	0.00000043 J	ND(0.00000026)	0.0000012 J	0.0000013 J	ND(0.00000069)
1,2,3,7,8,9-HxCDF	0.0000030 JQ	0.000062	0.00000036 JQ	ND(0.00000022)	ND(0.00000034)	ND(0.00000054)	ND(0.00000062)	ND(0.00000069)
2,3,4,6,7,8-HxCDF	0.000026	0.000068	0.0000028	0.00000074 J	ND(0.00000028)	0.0000029 J	0.0000010 J	ND(0.00000069)
HxCDFs (total)	0.00035 Q	0.00078 I	0.000038 Q	0.000010	0.0000028	0.000035	0.000013	ND(0.00000069)
1,2,3,4,6,7,8-HpCDF	0.000046	0.000061	0.0000070	0.0000023	0.00000049 J	0.0000020 J	0.0000051 J	ND(0.00000069)
1,2,3,4,7,8,9-HpCDF	0.0000028 J	0.000023	0.00000098 J	0.00000022 J	ND(0.00000023)	ND(0.00000054)	ND(0.00000062)	ND(0.00000069)
HpCDFs (total)	0.000097	0.00016	0.000012	0.0000064	0.00000049 J	0.0000050 J	0.0000089	ND(0.00000069)
OCDF	0.000039	0.000014	0.0000063	0.0000022 J	0.00000060 J	0.0000014 J	0.0000026 J	ND(0.0000014)
Dioxins								
2,3,7,8-TCDD	ND(0.00000040) X	0.0000035	ND(0.00000014)	ND(0.000000087)	ND(0.00000012)	ND(0.00000030)	ND(0.00000025)	ND(0.00000028)
TCDDs (total)	0.0000022 J	0.00021	0.00000090 JQ	ND(0.00000024)	ND(0.00000026)	ND(0.00000056) Q	ND(0.00000065)	ND(0.00000080)
1,2,3,7,8-PeCDD	0.0000028 J	0.000073	0.00000036 JQ	ND(0.00000022)	ND(0.00000022)	0.00000061 J	ND(0.00000062)	ND(0.00000069)
PeCDDs (total)	0.000033 Q	0.0013	0.0000028 Q	ND(0.00000041) Q	ND(0.00000022)	0.0000034 JQ	ND(0.0000011)	ND(0.0000010)
1,2,3,4,7,8-HxCDD	0.0000027 J	0.000044	0.00000026 J	ND(0.00000022)	ND(0.00000053)	ND(0.00000054)	ND(0.00000062)	ND(0.00000069)
1,2,3,6,7,8-HxCDD	0.0000080	0.00022	0.00000083 JQ	0.00000028 J	ND(0.00000047)	0.0000012 J	0.00000064 J	ND(0.00000069)
1,2,3,7,8,9-HxCDD	0.0000051 J	0.00010	0.00000052 J	ND(0.00000022)	ND(0.00000051)	0.00000094 J	ND(0.00000062)	ND(0.00000069)
HxCDDs (total)	0.000066	0.0024	0.0000083 Q	0.0000012 J	0.00000054 J	0.000010	0.0000016 J	ND(0.0000012)
1,2,3,4,6,7,8-HpCDD	0.000052	0.00040	0.0000045	0.0000033	0.00000088 J	0.0000050 J	0.0000028 J	ND(0.00000069)
HpCDDs (total)	0.00016	0.00094	0.0000091	0.0000059	0.0000016 J	0.000011	0.0000053 J	ND(0.00000069)
OCDD	0.00055	0.00020	0.000030	0.000051	0.0000072	0.000021	0.000018	ND(0.0000032)
Total TEQs (WHO TEFs)	0.000035	0.00021	0.0000034	0.00000093	0.00000058	0.0000044	0.0000022	0.00000097
Inorganics								
Antimony	ND(6.00) J	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)
Arsenic	3.50	5.60	3.20	3.90	3.40	3.70	3.40	5.00
Barium	47.0	24.0	25.0	27.0	12.0 B	30.0	74.0	88.0
Beryllium	0.370 B	0.620	0.150 B	0.190 B	0.110 B	0.150 B	0.480 B	0.720
Cadmium	0.590	0.330 B	0.470 B	0.670	0.220 B	0.290 B	0.490 B	0.770
Chromium	18.0	5.50	5.20	4.80	6.20	5.20	10.0	16.0
Cobalt	8.30	5.60	5.90	5.70	4.60 B	6.10	9.00	14.0
Copper	17.0	12.0	15.0	13.0	9.40	11.0	13.0	19.0
Cyanide	0.130	0.310	0.0210 B	0.0200 B	0.0170 B	ND(0.110)	0.0520 B	0.0270 B
Lead	24.0 J	7.80	10.0	7.50	6.10	7.50	10.0	9.20
Mercury	0.0930 B	0.0280 B	ND(0.110)	0.00860 B	ND(0.110)	ND(0.110)	0.0700 B	0.0320 B
Nickel	14.0	9.90	9.40	10.0	8.70	10.0	14.0	23.0
Selenium	ND(1.00) J	0.610 J	ND(1.00)	ND(1.00) J	0.880 J	ND(1.00) J	1.00 J	1.00 J
Silver	ND(1.00)	ND(1.00)	0.120 B	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	0.140 B
Sulfide	ND(6.20)	8.90	6.80	ND(5.30)	6.90	26.0	60.0	31.0
Tin	ND(10)	ND(10)	3.70 B	ND(9.0)	ND(10)	ND(10)	ND(10)	ND(10)
Vanadium	12.0	7.70	4.70 B	4.50 B	4.70 B	8.20	13.0	18.0
Zinc	68.0	21.0	29.0	36.0	26.0	32.0	54.0	73.0

TABLE 2
SOIL SAMPLING DATA FOR APPENDIX IX + 3 CONSTITUENTS

PRE-EXCAVATION NOTIFICATION DATA
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID:	RAA10-E-H26	RAA10-E-H26	RAA10-E-H26	RAA10-E-I20
Sample Depth(Feet):	4-6	6-15	8-10	0-1
Date Collected:	05/26/04	05/26/04	05/26/04	05/17/04
Volatile Organics				
None Detected	--	NA	--	--
Semivolatile Organics				
2,4-Dinitrotoluene	NA	ND(1.2)	NA	ND(0.36) [ND(0.36)]
2-Methylnaphthalene	NA	ND(1.2)	NA	ND(0.36) [ND(0.36)]
Acenaphthene	NA	ND(1.2)	NA	ND(0.36) [ND(0.36)]
Acenaphthylene	NA	0.25 J	NA	ND(0.36) [ND(0.36)]
Anthracene	NA	ND(1.2)	NA	0.087 J [ND(0.36)]
Benzidine	NA	ND(2.5) J	NA	ND(0.72) [ND(0.72)]
Benzo(a)anthracene	NA	ND(1.2)	NA	0.16 J [0.11 J]
Benzo(a)pyrene	NA	ND(1.2)	NA	0.10 J [0.084 J]
Benzo(b)fluoranthene	NA	ND(1.2)	NA	ND(0.36) [ND(0.36)]
Benzo(g,h,i)perylene	NA	ND(1.2)	NA	ND(0.36) [ND(0.36)]
Benzo(k)fluoranthene	NA	ND(1.2)	NA	ND(0.36) [ND(0.36)]
Chrysene	NA	ND(1.2)	NA	0.21 J [0.14 J]
Dibenzo(a,h)anthracene	NA	ND(1.2)	NA	ND(0.36) [ND(0.36)]
Dibenzofuran	NA	ND(1.2)	NA	ND(0.36) [ND(0.36)]
Diethylphthalate	NA	ND(1.2)	NA	ND(0.36) [ND(0.36)]
Fluoranthene	NA	ND(1.2)	NA	0.41 [0.28 J]
Fluorene	NA	ND(1.2)	NA	ND(0.36) [ND(0.36)]
Indeno(1,2,3-cd)pyrene	NA	ND(1.2)	NA	ND(0.36) [ND(0.36)]
Naphthalene	NA	ND(1.2)	NA	ND(0.36) [ND(0.36)]
Phenanthrene	NA	ND(1.2)	NA	0.29 J [0.18 J]
Pyrene	NA	ND(1.2)	NA	0.35 J [0.26 J]
Furans				
2,3,7,8-TCDF	NA	ND(0.00000025)	NA	0.00000070 J [0.00000051 J]
TCDFs (total)	NA	ND(0.00000025)	NA	0.000012 Q [0.0000074]
1,2,3,7,8-PeCDF	NA	ND(0.00000063)	NA	0.00000072 J [0.00000032 J]
2,3,4,7,8-PeCDF	NA	ND(0.00000063)	NA	0.0000026 JQ [0.0000025]
PeCDFs (total)	NA	ND(0.00000063)	NA	0.000025 Q [0.000021 Q]
1,2,3,4,7,8-HxCDF	NA	ND(0.00000063)	NA	0.00000072 J [0.00000063 J]
1,2,3,6,7,8-HxCDF	NA	ND(0.00000063)	NA	0.00000060 J [0.00000058 J]
1,2,3,7,8,9-HxCDF	NA	ND(0.00000063)	NA	ND(0.00000026) Q [0.00000027 JQ]
2,3,4,6,7,8-HxCDF	NA	ND(0.00000063)	NA	0.0000012 J [0.0000013 J]
HxCDFs (total)	NA	ND(0.00000063)	NA	0.000018 Q [0.000016 Q]
1,2,3,4,6,7,8-HpCDF	NA	ND(0.00000063)	NA	0.0000052 [0.0000024]
1,2,3,4,7,8,9-HpCDF	NA	ND(0.00000063)	NA	0.00000028 J [0.00000026 J]
HpCDFs (total)	NA	ND(0.00000063)	NA	0.000011 J [0.0000053 J]
OCDF	NA	ND(0.0000013)	NA	0.0000082 J [0.0000023 J]
Dioxins				
2,3,7,8-TCDD	NA	ND(0.00000025)	NA	ND(0.00000010) [ND(0.000000086)]
TCDDs (total)	NA	ND(0.00000074)	NA	0.0000010 J [0.00000011 J]
1,2,3,7,8-PeCDD	NA	ND(0.00000063)	NA	ND(0.00000026) [0.00000025 J]
PeCDDs (total)	NA	ND(0.00000092)	NA	0.0000015 JQ [0.0000012 JQ]
1,2,3,4,7,8-HxCDD	NA	ND(0.00000063)	NA	ND(0.00000026) [0.00000022 J]
1,2,3,6,7,8-HxCDD	NA	ND(0.00000063)	NA	0.00000070 J [0.00000066 J]
1,2,3,7,8,9-HxCDD	NA	ND(0.00000063)	NA	0.00000044 J [0.00000041 J]
HxCDDs (total)	NA	ND(0.0000011)	NA	0.0000058 [0.0000058]
1,2,3,4,6,7,8-HpCDD	NA	ND(0.00000063)	NA	0.0000055 J [0.0000030 J]
HpCDDs (total)	NA	ND(0.00000063)	NA	0.0000099 J [0.0000056 J]
OCDD	NA	ND(0.0000024)	NA	0.000060 J [0.000026 J]
Total TEQs (WHO TEFs)	NA	0.00000086	NA	0.0000021 [0.0000021]
Inorganics				
Antimony	NA	ND(6.00)	NA	ND(6.00) J [ND(6.00) J]
Arsenic	NA	3.70	NA	4.90 [3.40]
Barium	NA	62.0	NA	23.0 [18.0 B]
Beryllium	NA	0.420 B	NA	0.220 B [0.190 B]
Cadmium	NA	0.520	NA	0.710 [0.520]
Chromium	NA	12.0	NA	6.40 [4.90]
Cobalt	NA	10.0	NA	5.90 [5.00]
Copper	NA	13.0	NA	12.0 [9.50]
Cyanide	NA	0.0350 B	NA	ND(0.110) [ND(0.110)]
Lead	NA	5.90	NA	8.20 [6.60]
Mercury	NA	0.0160 B	NA	0.0300 B [0.0250 B]
Nickel	NA	16.0	NA	12.0 [8.40]
Selenium	NA	ND(1.10) J	NA	ND(1.00) J [ND(1.00) J]
Silver	NA	ND(1.10)	NA	ND(1.00) [ND(1.00)]
Sulfide	NA	18.0	NA	ND(5.30) [ND(5.30)]
Tin	NA	ND(10)	NA	ND(9.0) [ND(9.0)]
Vanadium	NA	14.0	NA	9.50 J [7.40 J]
Zinc	NA	56.0	NA	41.0 [30.0]

TABLE 2
SOIL SAMPLING DATA FOR APPENDIX IX + 3 CONSTITUENTS

PRE-EXCAVATION NOTIFICATION DATA
UNKAMET BROOK REMOVAL ACTION AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. 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.
4. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
5. Field duplicate sample results are presented in brackets.
6. -- Indicates that all constituents for the parameter group were non-detect.

Data Qualifiers:

Organics (volatiles, semivolatiles, dioxin/furans)

I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
J - Indicates that the associated numerical value is an estimated concentration.
Q - Indicates the presence of quantitative interferences.
X - Estimated maximum possible concentration.
Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

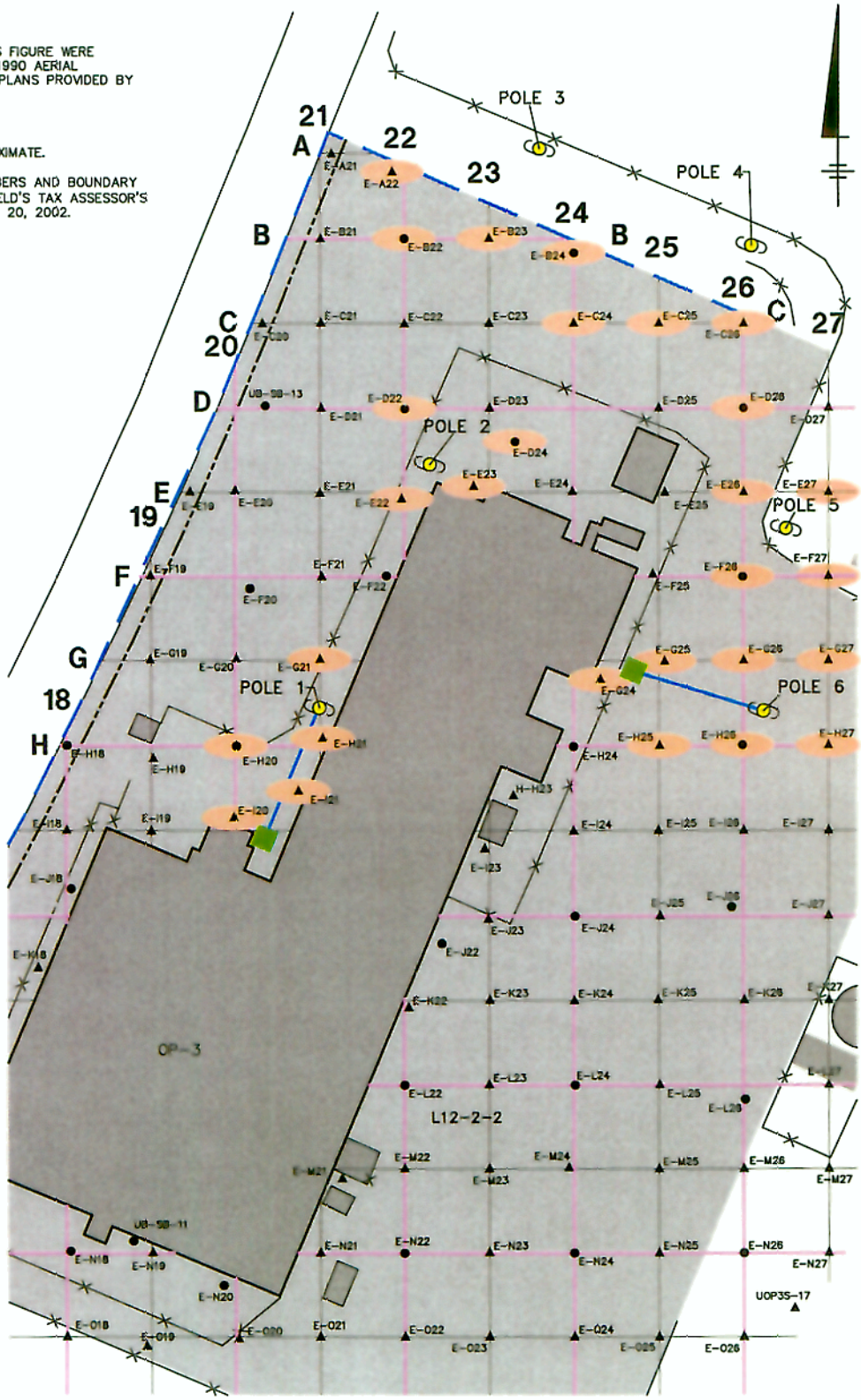
B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.
J - Indicates that the associated numerical value is an estimated concentration.

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM APRIL 1990 AERIAL PHOTOGRAPHS, ADDITIONALLY, CONSTRUCTION PLANS PROVIDED BY GENERAL ELECTRIC COMPANY WERE USED.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. EXTENT OF PAVED/UNPAVED AREAS IS APPROXIMATE.
4. 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.
5. ALL LOCATIONS ARE APPROXIMATE.

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- FENCE
- PROPERTY LINE
- L12-2-2 PROPERTY IDENTIFICATION
- 100 – FOOT PCB SAMPLING GRID
- 50 – FOOT PCB SAMPLING GRID
- PAVED AREA
- BUILDING
- ▲ E-C24 EXISTING SURFACE SOIL SAMPLE LOCATION (0– TO 1–FOOT SAMPLE DEPTH)
- ● E-F20 EXISTING SOIL BORING LOCATION (1–FOOT OR GREATER SAMPLE DEPTH)
- POLE 1 EXCAVATION FOR UTILITY POLE
- EXCAVATION FOR CONCRETE PAD
- EXCAVATION FOR TRENCH
- SAMPLE USED FOR PCB DATA REVIEW



0 100' 200'

GRAPHIC SCALE

X: 40190X01.DWG, X04.DWG
L: ON=*, OFF=*REF, |BLDG_NAME, |LANDFILL, |TAX_NUMBERS
P: PAGESET/SYR-AP1
3/7/06 SYR-85-DMW GMS LAF
N/40190026/40190G01.DWG

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
UNKAMET BROOK REMOVAL ACTION AREA

PORTION OF EAST AREA - PROPOSED EXCAVATIONS FOR FACILITY UPGRADE PCB DATA REVIEW

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

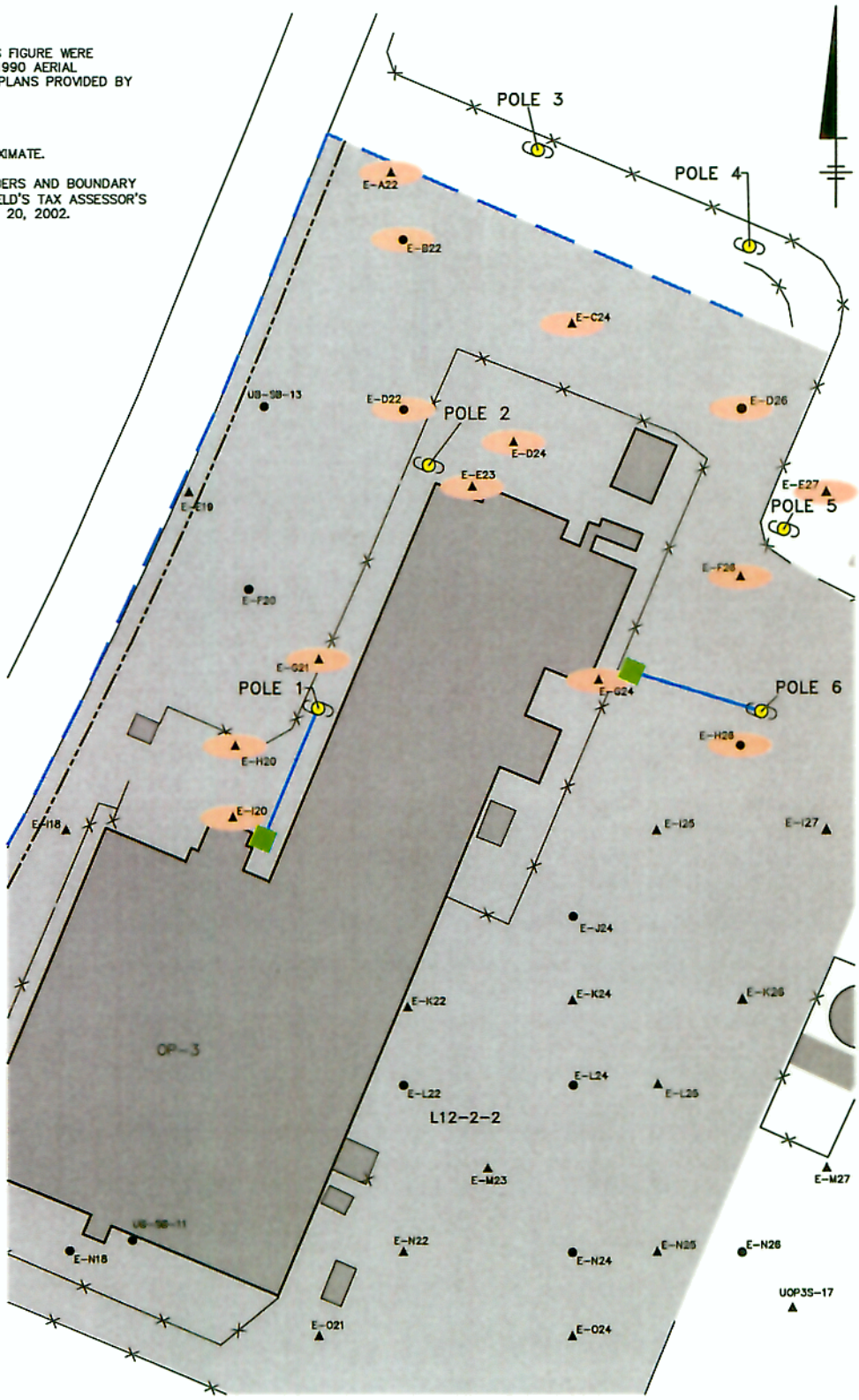
FIGURE 1

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM APRIL 1990 AERIAL PHOTOGRAPHS, ADDITIONALLY, CONSTRUCTION PLANS PROVIDED BY GENERAL ELECTRIC COMPANY WERE USED.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. EXTENT OF PAVED/UNPAVED AREAS IS APPROXIMATE.
4. 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.
5. ALL LOCATIONS ARE APPROXIMATE.

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- FENCE
- PROPERTY LINE
- L12-2-2 PROPERTY IDENTIFICATION
- PAVED AREA
- BUILDING
- ▲ E-C24 EXISTING SURFACE SOIL SAMPLE LOCATION (0- TO 1-FOOT SAMPLE DEPTH)
- ● E-F20 EXISTING SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- POLE 1 EXCAVATION FOR UTILITY POLE
- EXCAVATION FOR CONCRETE PAD
- EXCAVATION FOR TRENCH
- SAMPLE USED FOR APPENDIX IX+3 DATA REVIEW



0 100' 200'

GRAPHIC SCALE

X: 40190X01.DWG
L: ON=*, OFF=*REF, |BLDG_NAME, |LANDFILL, |TAX_NUMBERS
P: PAGESET/SYR-AP1
3/7/06 SYR-85-DMW GMS LAF
N/40190026/40190G02.DWG

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
UNKAMET BROOK REMOVAL ACTION AREA

PORTION OF EAST AREA - PROPOSED EXCAVATIONS FOR FACILITY UPGRADE APPENDIX IX+3 DATA REVIEW

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

FIGURE 2