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Transmitted Via Overnight Delivery

February 12, 2009

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

Re: GE-Pittsfield/Housatonic River Site
Unkamet Brook Area (GECD170)
Conceptual Removal Design/Removal Action Work Plan for Unkamet Brook Area-West

Dear Mr. Fisher:

Enclosed for your review is GE's *Conceptual Removal Design/Removal Action Work Plan for Unkamet Brook Area-West.*

Please call me if you have any questions about this report.

Sincerely,

Richard W. Gates/ACC

Richard W. Gates
Remediation Project Manager

Enclosure
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Public Information Repositories
GE Internal Repository

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ARCADIS
Infrastructure, environment, buildings

General Electric Company
Pittsfield, Massachusetts

Conceptual Removal Design/ Removal Action Work Plan for Unkamet Brook Area-West

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February 2009

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1. Introduction

1.1 General

On October 27, 2000, a Consent Decree (CD) executed in 1999 by the General Electric Company (GE), the United States Environmental Protection Agency (EPA), the Massachusetts Department of Environmental Protection (MDEP), and several other government agencies was entered by the United States District Court for the District of Massachusetts. The CD requires (among other things) the performance of Removal Actions to address polychlorinated biphenyls (PCBs) and other hazardous constituents present in soil, sediment, and groundwater in several Removal Action Areas (RAAs) located in or near Pittsfield, Massachusetts (Figure 1-1). These RAAs are part of the GE-Pittsfield/Housatonic River Site. For each Removal Action, the CD and accompanying *Statement of Work for Removal Actions Outside the River* (SOW) (Appendix E to the CD) establish Performance Standards that must be achieved, as well as specific work plans and other documents that must be prepared to support the response actions for each RAA. For most of the Removal Actions, these work plans/documents generally include the following: Pre-Design Investigation Work Plan, Pre-Design Investigation Report, Conceptual Removal Design/Removal Action (RD/RA) Work Plan, and Final RD/RA Work Plan (Final Work Plan).

For the Unkamet Brook Area RAA, GE has previously submitted the following documents:

- *Pre-Design Investigation Work Plan for Unkamet Brook Area Removal Action* (PDI Work Plan), dated November 2002, conditionally approved by EPA in a letter dated March 10, 2003;

- *Revised Pre-Design Investigation Work Plan for Unkamet Brook Area Removal Action* (Revised PDI Work Plan), dated May 2003, conditionally approved by EPA in a letter dated July 17, 2003;

- Response to EPA's July 17, 2003 Conditional Approval Letter for the Revised PDI Work Plan (Response Letter), dated July 30, 2003, approved by EPA in a letter dated August 19, 2003;

- Interim Pre-Design Investigation Report and Additional Pre-Design Investigation Proposal letter (Interim PDI Report), dated February 18, 2004, conditionally approved by EPA in a letter dated September 7, 2004;

- Supplemental Sampling Letter Report for Northern Inundated Wetland Soils (Supplemental Sampling Letter), dated January 13, 2005, conditionally approved by EPA in a letter dated February 4, 2005;

- Parcel L12-1-2 and Adjacent Portion of Merrill Road Right of Way letter (Right of Way Letter), submitted on August 15, 2005 and conditionally approved by EPA in a letter on February 22, 2007;

- *Pre-Design Investigation Report for Unkamet Brook Area Removal Action* (PDI Report), dated September 2005, conditionally approved by EPA in a letter dated February 22, 2007;

- Addendum to the Pre-Design Investigation Report letter (PDI Report Addendum), dated November 2, 2005, conditionally approved by EPA in a letter dated March 8, 2006;

- Proposal for Initial Unkamet Brook Flow Monitoring letter (Flow Monitoring Proposal) dated November 7, 2006, conditionally approved by EPA in a letter dated February 22, 2007;

- Proposed Schedule for Unkamet Brook Flow Monitoring letter (Flow Monitoring Schedule) dated March 20, 2007, approved by EPA in a letter dated March 26, 2007;

- Hydrologic/Hydraulic Modeling Proposal letter (Modeling Proposal) dated May 17, 2007;

- Supplement to the Pre-Design Investigation Report for Unkamet Brook Area Removal Action letter (Supplement to PDI Report), dated July 27, 2007, conditionally approved by EPA in a letter dated March 26, 2008;

- Proposal for Additional Supplemental PCB Pre-Design Investigations letter (Additional Supplemental Investigations Proposal) dated October 3, 2007, approved by EPA in a letter dated October 10, 2007;

- Second Supplement to the Pre-Design Investigation Report for Unkamet Brook Area Removal Action letter (Second Supplement), dated April 24, 2008, conditionally approved by EPA in a letter dated June 30, 2008;

- Third Supplement to the Pre-Design Investigation Report for Unkamet Brook Area Removal Action letter (Third Supplement), dated July 29, 2008, conditionally approved by EPA in a letter dated November 4, 2008;

- Status of Obtaining Access from CSX to Parcels L11-4-11 and L11-4-12 for Sampling letter (CSX Access Letter), dated August 21, 2008;

- Scope of Supplemental Investigations and Status Update letter (Supplemental Investigations/Status Update Letter), dated September 12, 2008, conditionally approved by EPA in a letter dated November 4, 2008; and

- Fourth Supplement to the Pre-Design Investigation Report for Unkamet Brook Area Removal Action letter (Fourth Supplement), dated December 3, 2008, conditionally approved by EPA in a letter dated December 30, 2008.

The above-referenced documents describe the scope of investigations performed at the Unkamet Brook Area, as well as the corresponding investigation results. In its February 22, 2007 letter conditionally approving the PDI Report, Right of Way Letter, and Flow Monitoring Proposal, EPA directed that the Unkamet Brook Area should be divided into two portions for purposes of submitting deliverables, conducting additional sampling and remediation, and schedule tracking. These portions have been designated Unkamet Brook Area-West and Unkamet Brook Area-Remainder, and are shown on Figure 1-1.

In accordance with that division, GE has prepared this *Conceptual Removal Design/Removal Action Work Plan for Unkamet Brook Area-West* (Conceptual Work Plan). Based on the results of the investigations described in the reports listed above, this Conceptual Work Plan summarizes the results of evaluations concerning the need for and scope of soil-related response actions within Unkamet Brook Area-West to achieve the applicable Performance Standards for polychlorinated biphenyls (PCBs) and other constituents listed in Appendix IX of 40 CFR Part 264 (excluding pesticides and herbicides), plus three additional constituents -- benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine (Appendix IX+3). GE will submit a separate Conceptual RD/RA Work Plan for Unkamet Brook Area-Remainder.

This Conceptual Work Plan presents: (1) a summary of the soil data used to evaluate Unkamet Brook Area-West; (2) evaluations of both the PCB and Appendix IX+3 soil data under existing conditions to assess the need for soil-related remediation activities; (3) where necessary, a conceptual proposal for soil-related remediation activities; and (4) evaluations of PCBs in soil under post-remediation conditions (where relevant) to demonstrate that the proposed remediation activities will achieve the applicable Performance Standards under the CD and SOW. As further described herein, no remediation activities are necessary to address Appendix IX+3 constituents since the applicable Performance Standards are satisfied under existing conditions for each averaging area.

It should be noted that this Conceptual Work Plan evaluates the need for and scope of removal actions to achieve the soil-related Performance Standards set forth in the CD and SOW. Groundwater at the Unkamet Brook Area is being addressed separately as part of GE's groundwater-related activities for the Groundwater Management Areas (GMAs) 3 and 4 pursuant to the CD and SOW. At this time, these activities consist of the performance of an interim groundwater monitoring program at GMAs 3 and 4.

1.2 Site Description

The Unkamet Brook Area (West and Remainder Areas combined) generally encompasses the eastern portion of the GE Plant Area in Pittsfield, as well as a number of non-GE owned properties between the GE Plant Area and the Housatonic River (Figure 1-1). The boundaries of this approximately 140-acre area are shown on Figure 1-2. The Unkamet Brook Area contains several commercial and industrial properties (under a variety of ownerships), as well as several undeveloped recreational properties and areas (also under a variety of ownerships). The GE-owned properties that have been developed for commercial/industrial use include properties operated by General Dynamics Corporation (General Dynamics) and SABIC Innovative Plastics (SABIC). Undeveloped land owned by GE is generally located east of Unkamet Brook. The non-GE-owned properties include developed portions (owned by the United States Navy and local businesses) and undeveloped areas. Unkamet Brook is largely an open channel that flows from north of Dalton Avenue (north of the RAA) through the RAA until it discharges into the Housatonic River. Within the property leased by SABIC is an approximately 1.7-acre Decorative Pond, located south of Dalton Avenue. This pond receives stormwater from the surrounding areas and is hydraulically connected to Unkamet Brook, to which it discharges during periods of high flow. The pond, constructed in the early 1980s, is approximately 10 feet deep and lined with construction-grade filter fabric and 6 inches of crushed stone or crushed gravel. Its banks are reinforced with filter fabric, a 12-inch gravel bed, and 12 inches of rip-rap.

As indicated above, this Conceptual Work Plan relates to the Unkamet Brook Area-West portion of the RAA. Unkamet Brook Area-West consists of the following separate averaging areas within the Unkamet Brook Area:

- Parcel K11-7-2, a GE-owned commercial/industrial area and an associated parking lot;[*]

[*] Located within Parcel K11-7-2 is separate Tax Parcel K11-7-46. This parcel consists entirely of two large buildings (Buildings OP-1 and OP-2) owned by the United States government and operated by General Dynamics. As Parcel K11-7-46 includes only the buildings, not the underlying land, which is part of Parcel K11-7-2, Parcel K11-7-46 is not part of the Unkamet Brook Area.

- Parcel K11-7-8, a small privately owned commercial property on Merrill Road, which GE has elected to evaluate as residential;

- Parcel K11-7-9, a small commercial property owned by the City of Pittsfield on Merrill Road adjacent to Parcel K11-7-8 ;

- The western, commercial/industrial portion of Parcel K12-9-1, which is owned by GE and a large portion of which is leased to SABIC;

- The commercial/industrial portion of Parcel L12-2-2, which is owned by the United States Navy and operated by General Dynamics and contains Building OP-3; and

- A non-industrial portion of Parcel L12-2-2, which is also owned by the United States Navy.

The six averaging areas listed above are shown on Figure 1-2.

1.3 Scope and Format of Work Plan

The remainder of this Conceptual Work Plan is presented in five sections. The title and a brief overview of each section are presented below:

Section 2 – Summary of Pre-Design Activities and Available Soil Data, provides a brief summary of the pre-design and supplemental investigations and other activities conducted by GE within the Unkamet Brook Area, and presents the set of data used to evaluate the need for remediation at Unkamet Brook Area-West to address PCBs and other Appendix IX+3 constituents in soil.

Section 3 – Summary of PCB and Appendix IX+3 Evaluation Procedures, provides an overview of the applicable PCB and Appendix IX+3 Performance Standards for the non-industrial and commercial/industrial averaging areas (including the commercial/industrial averaging area [Parcel K11-7-8] which GE has elected to evaluate under residential Performance Standards) at Unkamet Brook Area-West, and describes the procedures used to evaluate PCBs and other Appendix IX+3 constituents in existing and, where necessary, post-remediation conditions.

Section 4 – PCB and Non-PCB Soil Evaluations, presents the results of the PCB and Appendix IX+3 evaluations for each averaging area at Unkamet Brook Area-West. This section first evaluates the soil data for both PCBs and other Appendix IX+3 constituents under existing conditions at each averaging area to determine the need for remediation to achieve the applicable Performance Standards. This section also includes an assessment of the PCB data in utility corridors. Where removal actions are necessary, the proposed

remediation to achieve the Performance Standards (i.e., soil removal/replacement and/or installation of engineered barriers, as necessary) is then described and depicted on included figures. Further, for averaging areas where remediation is necessary to address PCBs in soil, this section presents revised evaluations of post-remediation conditions to demonstrate that the proposed remediation will achieve the applicable Performance Standards. As further described herein, no remediation activities are necessary to address Appendix IX+3 constituents because the applicable Performance Standards are satisfied under existing conditions in each averaging area.

Section 5 – Preliminary Design Information and Future Design-Related Activities, discusses preliminary design and related information associated with the response actions proposed for Unkamet Brook Area-West, as well as future design-related activities.

Section 6 – Schedule, presents a proposed schedule for submission of the Final RD/RA Work Plan for Unkamet Brook Area-West.

The discussions in the sections listed above are supported by tables, figures, and other evaluations presented in several appendices, as described in subsequent sections of this Conceptual Work Plan.

2. Summary of Pre-Design Activities and Available Soil Data

2.1 General

Prior to the submittal of a Conceptual RD/RA Work Plan for a given RAA, the CD and SOW require the characterization of soils and sediments (where present) within the RAA and the collection of other relevant site information. These activities collectively referred to as pre-design activities, serve as the basis for the subsequent technical RD/RA submittals. This section provides a brief summary of the pre-design activities that have been performed by GE at the Unkamet Brook Area (in both the West and Remainder portions). These activities have primarily involved the performance of soil and sediment sampling and analyses in accordance with the investigation requirements contained in the CD and SOW. Such activities have been previously summarized in multiple documents provided to EPA, as listed in Section 1.1. In addition, GE has also conducted other pre-design activities to supplement the soil and sediment characterization program and to support the evaluations presented herein. These additional activities include, but are not limited to, the performance of a detailed site survey, including an assessment of paved and unpaved areas, surface elevations and topography, property boundaries and easements, certain utilities (e.g., manholes, catch basins), soil sample locations, and other site features.

It should be noted that Section 2.2 below summarizes the pre-design activities performed by GE within the entire Unkamet Brook Area (West and Remainder combined) since the majority of these activities were performed across the entire RAA prior to EPA's direction that the RAA be divided into two separate areas. However, the information presented in Sections 2.3 and Sections 3 through 5 relate only to Unkamet Brook Area-West. Similar information related to Unkamet Brook Area-Remainder will be provided in the separate Conceptual Work Plan covering that portion of the RAA.

A summary of pre-design soil investigation activities is provided below.

2.2 Summary of Pre-Design Soil Investigations

Pre-design and supplemental soil and sediment investigations were performed in the Unkamet Brook Area between May 28, 2003 and December 23, 2008. These investigations were conducted in accordance with GE's EPA-approved PDI Work Plan, Revised PDI Work Plan, Interim PDI Report, Supplemental Sampling Letter, Additional Supplemental Investigations Proposal, Supplement to PDI Report, Second Supplement, Third Supplement, and Supplemental Investigations/Status Update Letter, with certain modifications agreed to by GE and EPA. Pre-design and supplemental investigations (including additional sampling performed by EPA) involved the collection and analysis of more than 2,400 PCB soil samples (including duplicate samples) from approximately 1,275 locations and more than 750 Appendix IX+3 soil samples (including duplicate samples)

from approximately 475 locations. These investigations also included the collection and analysis of approximately 85 PCB sediment samples (including duplicate samples) from approximately 70 locations and approximately 14 Appendix IX+3 sediment samples (including duplicate samples) from approximately 8 locations. Each sample location was surveyed using Global Positioning Systems (GPS) or conventional methods.

2.2.1 Initial Pre-Design Soil Investigations

GE's EPA-approved PDI Report, Revised PDI Work Plan, Interim PDI Report, and Supplemental Sampling Letter specified the sample locations, frequencies, depths, and analytes used in the pre-design investigations at the Unkamet Brook Area. ARCADIS (formerly Blasland, Bouck & Lee, Inc.) performed the pre-design field investigations on behalf of GE between May 28, 2003 and April 11, 2005, while analytical services were provided by SGS Environmental Services, Inc. (SGS; formerly known as CT&E Environmental Services Inc.). While these activities were being performed, Weston Solutions, Inc. (Weston), on behalf of the EPA, performed oversight duties, including collection and analysis of split samples. The PDI Report included, in addition to the results of the pre-design investigations, soil and sediment sampling results from certain historical soil investigations conducted prior to the pre-design investigation activities. Specifically, the PDI Report included the historical sampling results that were considered usable or potentially usable to support RD/RA evaluations for this RAA.

In addition to investigations conducted by GE, EPA collected and analyzed soil and sediment samples from a number of locations within Unkamet Brook Area during GE's pre-design investigations. The validated results of these EPA analyses were provided to GE as part of a data exchange agreement between GE and EPA, and these results, with the exception of sample results rejected in EPA's data validation process, were considered in the RD/RA evaluations for this RAA.

2.2.2 Supplemental Soil Investigations

GE performed supplemental sampling activities within Unkamet Brook Area-West between March 6, 2007 and August 25, 2008. Supplemental sampling activities within Unkamet Brook Area-Remainder were performed between March 9, 2007 and December 23, 2008. Supplemental investigations were conducted in accordance with the Additional Supplemental Investigations Proposal, Supplement to PDI Report, Second Supplement, Third Supplement, and Supplemental Investigations/Status Update Letter. Field investigations were performed on behalf of GE by ARCADIS, while analytical services were provided by SGS. With the exception of the supplemental PCB and Appendix IX+3 analytical results provided, respectively, in Tables 1 and 2 of this Conceptual Work Plan, the results of all supplemental sampling conducted within Unkamet Brook Area-West were summarized in these prior submittals to EPA. Supplemental PCB and Appendix IX+3

analytical results collected within Unkamet Brook Area-Remainder and not previously summarized in prior submittals to EPA are anticipated to be summarized in the Conceptual RD/RA Work Plan for that area.

Soil boring logs and a data validation report associated with the analytical results shown on Tables 1 and 2 are provided in Appendices A and B of this Conceptual Work Plan, respectively. The analytical results were reviewed in accordance with the data validation protocols included in GE's approved *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP). As discussed in the data validation memorandum, 99.9% of these results are useable for RD/RA evaluations, which is greater than the minimum required usability of 90% specified in the FSP/QAPP.

2.3 Soil Sample Results Used in Conceptual Work Plan for Unkamet Brook Area-West

The locations of all soil samples used in evaluations presented in this Conceptual Work Plan, including the historical, pre-design, and supplemental soil samples, are shown on Figures 2-1 through 2-3. The analytical results for all soil samples used in the PCB evaluations presented herein are included in Appendix C, while the analytical results for all samples used in the non-PCB evaluations herein are included in Appendix E. Note that the above-referenced data summaries provide the data relevant to the evaluations associated with Unkamet Brook Area-West. Also note that Unkamet Brook Area–West does not include the actual brook (the brook is located within Unkamet Brook Area–Remainder); therefore, no sediment data summaries are provided herein. Data summaries containing the data relevant to Unkamet Brook Area-Remainder (soils and sediments) will be provided in the separate Conceptual RD/RA Work Plan for that area to be submitted subsequently.

3. Summary of PCB and Appendix IX+3 Evaluation Procedures

3.1 General

This section of the Conceptual Work Plan summarizes the procedures used by GE to determine the need for and scope of removal actions to achieve the PCB and Appendix IX+3 Performance Standards specified in the SOW for the averaging areas located within Unkamet Brook Area-West. This section also provides an overview of the PCB Performance Standards and evaluation procedures (Section 3.2), followed by an overview of the evaluation procedures for other Appendix IX+3 constituents (Section 3.3).

3.2 Summary of PCB Evaluation Procedures

This section provides a description of the PCB evaluation procedures for Unkamet Brook Area-West, including: (1) a description of the applicable PCB-related Performance Standards; (2) the current status regarding obtaining Grants of Environmental Restrictions and Easements (EREs) for the properties located within Unkamet Brook Area-West; (3) a summary of the PCB evaluation procedures for each averaging area; and (4) a summary of the utility corridor PCB evaluation procedures. The PCB spatial averaging evaluations are provided in Section 4.2 through 4.8 of this document, with supporting documentation (i.e., polygon maps and averaging tables) provided in Appendix D.

3.2.1 PCB-Related Performance Standards

For Unkamet Brook Area-West, the Performance Standards related to the presence of PCBs in soil are set forth in Paragraph 25 of the CD and Section 2.2.2 of the SOW. The pertinent Performance Standards related to the presence of PCBs in soils at Unkamet Brook Area-West may be summarized as follows:

- GE and the City of Pittsfield must execute EREs for properties which they own and which do not meet the Performance Standards applicable to residential properties. For other non-residential properties that do not meet residential standards, GE must seek to obtain EREs; and if an ERE cannot be obtained, GE must implement a Conditional Solution. As further described below in Section 3.2.2, GE has offered to execute an ERE for Parcel L12-2-2, owned by the United States Navy, but has assumed for the purposes of this Conceptual Work Plan that the Navy will not elect to obtain an ERE for that parcel and that the averaging areas located on that parcel will be evaluated under the Conditional Solution scenario.

- For the GE-owned commercial averaging areas (Parcel K11-7-2 and the western portion of Parcel K12-9-1), the following standards apply:

  - GE is required to conduct the following actions for the top foot of soil:

    - For any unpaved portion of such an averaging area that is located within the 100-year floodplain of the Housatonic River or Unkamet Brook and where the spatial average PCB concentration in the top foot exceeds 25 ppm, GE shall remove and replace soils as necessary to achieve a spatial average PCB concentration of 25 ppm or below in the top foot.

    - For any unpaved portion of such an averaging area that is located outside the 100-year floodplain and where the spatial average PCB concentration in the top foot exceeds 25 ppm, GE shall either remove and replace soils or install a soil cover in accordance with the specifications for soil covers described in Attachment G of the SOW as necessary to achieve a spatial average PCB concentration of 25 ppm or below in the top foot.

    - For any averaging area (whether located within or outside the 100-year floodplain) where the spatial average PCB concentration in the top foot exceeds 25 ppm in the entire area (paved and unpaved portions combined), GE shall recalculate the spatial average PCB concentration in that entire averaging area after incorporating the anticipated performance of the response actions described above, as applicable. If that recalculated spatial average PCB concentration still exceeds 25 ppm, GE shall maintain and enhance the existing pavement/concrete surfaces in those paved areas determined to cause the exceedance of the 25 ppm spatial average concentration for the top foot in the entire area. Such enhancements will be in accordance with the specifications described for pavement enhancement in Attachment G of the SOW. Where such pavement enhancement is undertaken within the 100-year floodplain of the Housatonic River or Unkamet Brook, GE shall provide flood storage compensation within the same general area, but not necessarily in the specific location of the pavement enhancement.

    - Further, since each of these averaging areas exceeds 0.5 acre in size, GE must ensure the removal of all soils in the top foot in unpaved portions that contain PCB concentrations greater than 125 ppm -- the “not-to-exceed” (NTE) level -- if GE elects to consider the entire area as an averaging area. Alternatively, GE may establish averaging areas that do not exceed 0.5 acre in size or may propose other specific averaging areas to EPA for approval, in which case, the above NTE PCB level will not apply.

- For averaging areas where the spatial average PCB concentration in the 1- to 6-foot depth increment exceeds 200 ppm (considering the paved and unpaved portions together), GE shall perform the following response actions: In any such area located within the 100-year floodplain of the Housatonic River or Unkamet Brook, GE shall remove and replace soils as necessary to achieve a spatial average PCB concentration of 200 ppm or below in the 1- to 6-foot depth increment. In any such area located outside the 100-year floodplain, GE shall undertake a combination of removal and replacement of soils in unpaved areas and/or enhancement of existing pavement/concrete surfaces in paved areas (in accordance with the specifications for pavement enhancement in Attachment G of the SOW) as necessary to ensure that the PCB concentrations causing the spatial average to exceed 200 ppm are removed or covered by enhanced pavement.

- After incorporating the anticipated performance of response actions in accordance with the foregoing Performance Standards, GE shall calculate the spatial average PCB concentration for the 0- to 15-foot depth increment. For any such averaging area where the spatial average PCB concentration exceeds 100 ppm in the 0- to 15-foot depth increment (after incorporating the anticipated performance of response actions, if any, for other depth increments), GE shall install an engineered barrier either over the soil (in currently unpaved areas) or over the pavement (in currently paved areas) in accordance with the specifications for engineered barriers in Attachment G of the SOW. In such areas within the 100-year floodplain, GE shall provide flood storage compensation with the same general area.

- For the non-GE-owned commercial/industrial averaging areas (Parcels K11-7-9, which is evaluated as a property that will have an ERE, as the property is owned by the City of Pittsfield, and the commercial/industrial portion of Parcel L12-2-2, which is evaluated under a Conditional Solution scenario for purposes of this Conceptual Work Plan), GE is required to achieve the following standards:

  - For areas for which an ERE is obtained, if the spatial average PCB concentration in the top foot of soil in the unpaved portion of the area exceeds 25 ppm, GE must remove and replace soils as necessary to achieve that average concentration in such portion. For the paved portion of the area, if the spatial average PCB concentration exceeds 25 ppm in the top foot of soil, GE must either remove and replace soils as necessary to achieve that spatial average concentration or enhance the pavement in such portion in accordance with the specifications for pavement enhancement in the SOW. In addition, considering both paved and unpaved portions together, GE must remove/replace soils as necessary to achieve a spatial average PCB concentration of 200 ppm in the 1- to 6-foot depth increment and must install an engineered barrier if the remaining spatial average PCB concentration in the 0- to 15-foot depth increment exceeds 100 ppm.

- For areas where an ERE is not obtained, GE must implement a Conditional Solution, which includes soil removal/replacement as necessary to achieve spatial average PCB concentrations of 25 ppm in both the top foot of soil (considering paved and unpaved portions together) and the top 3 feet of soil and 200 ppm in the 1- to 6-foot depth increment, and installation of an engineered barrier if the remaining spatial average PCB concentration in the 0- to 15-foot depth increment exceeds 100 ppm.

- Further, if the averaging area exceeds 0.5 acre in size, GE must ensure the removal of all soils in the top foot in unpaved portions that contain PCB concentrations greater than 125 ppm (the NTE level). Alternatively, GE may establish averaging areas that do not exceed 0.5 acre in size or may propose other specific averaging areas to EPA for approval, in which case the above NTE PCB levels will not apply.

- For the recreational averaging area (the non-commercial/industrial portion of Parcel L12-2-2, which is evaluated under a Conditional Solution scenario for purposes of this Conceptual Work Plan), GE must achieve the following standards:

  - On the assumption that an ERE will not be obtained for this area (as further described in Section 3.2.2 below), GE must implement a Conditional Solution which includes soil removal/replacement to achieve a spatial average PCB concentration of 10 ppm in both the top foot and the top 3 feet of soil, and installation of an engineered barrier if the remaining spatial average PCB concentration in the 0- to 15-foot depth increment exceeds 100 ppm.

  - Further, since this averaging area exceeds 0.5 acre in size, GE must ensure the removal of all soils in the top foot in unpaved portions that contain PCB concentrations greater than 50 ppm (the NTE level). Alternatively, GE may establish averaging areas that do not exceed 0.5 acre in size or may propose other specific averaging areas to EPA for approval, in which case the above NTE PCB levels will not apply.

- For the commercial/industrial property that GE has elected to evaluate under residential standards (Parcel K11-7-8), GE must calculate spatial average PCB concentrations for the 0- to 1-foot and 1- to X-foot depth increments, where X equals the depth at which PCBs have been detected (up to a maximum of 15 feet). If the spatial average PCB concentration in the 0- to 1-foot or 1- to X-foot depth increment exceeds 2 ppm, GE must remove and replace soils as necessary to achieve a spatial average PCB concentration at or below 2 ppm in each of those depth increments. (Since this averaging area does not exceed 0.25 acre in size, the NTE level of 10 ppm for residential properties does not apply to this area.)

- For subgrade utilities potentially subject to emergency repair requirements, GE must achieve the following:

  - For GE-owned industrial averaging areas where subgrade utilities potentially subject to emergency repair requirements are present, if the spatial average PCB concentration in the utility corridor exceeds 200 ppm in the 1- to 6-foot depth increment, GE must evaluate whether any additional response actions are necessary. Further, if subgrade utilities are installed, repaired, or replaced, GE must ensure that the spatial average PCB concentration in the backfill material is less than 25 ppm.

  - For the remaining areas where subgrade utilities potentially subject to emergency repair requirements are present, if the spatial average PCB concentration in the utility corridor exceeds 200 ppm, GE must evaluate whether any additional response actions are necessary. These evaluations will be performed to the approximate maximum depth of utility trench bedding. Further, if subgrade utilities are installed, repaired, or replaced, GE must ensure that the spatial average PCB concentration in the backfill material is less than 25 ppm at commercial areas and less than 10 ppm in the top 3 feet and 25 ppm at greater depths for recreational areas.

3.2.2 Status of EREs

Unkamet Brook Area-West consists of all or portions of five parcels, all of which are commercial/industrial or recreational. Parcels K11-7-2 and K12-9-1 are owned by GE, which has agreed in the CD to execute EREs on its properties within the Site. Parcel K11-7-9 is owned by the City of Pittsfield, which has likewise agreed in the CD to execute EREs on its properties within the Site. GE has decided to evaluate Parcel K11-7-8 using residential Performance Standards, thus eliminating the need for an ERE or a Conditional Solution at that property. Finally, GE sent a letter to the United States Navy on December 5, 2008 inquiring whether or not it will agree to execute an ERE for Parcel L12-2-2. In that letter, GE requested a response from the Navy by February 5, 2009 (GE has subsequently agreed to extend that date until March 5, 2009), and GE advised the Navy that, unless the Navy informs GE by that date that the Navy will agree to an ERE, GE will assume that the Navy is not interested in executing an ERE and will advise EPA that GE will implement a Conditional Solution at this property. For purposes of this Conceptual Work Plan, GE has assumed that the Navy will not elect to execute an ERE and has evaluated this property under a Conditional Solution scenario. In the event that the Navy advises GE that it would agree to execute an ERE for this parcel, GE will re-evaluate the averaging areas at this parcel accordingly (i.e., under an ERE scenario).

3.2.3 PCB Evaluation Procedures

The procedures used to evaluate PCB concentrations in soil in this Conceptual Work Plan were established in Attachment E to the SOW (Protocols for PCB Spatial Averaging). The PCB evaluations presented in this Conceptual Work Plan incorporate the usable PCB data from historical samples, samples collected by EPA, and the pre-design soil samples collected by GE (including the data from supplemental soil samples). The locations of the PCB samples used in the evaluations are shown on Figures 2-1 through 2-3.

The initial task in the PCB evaluation process for the Unkamet Brook Area-West averaging areas was to assess the PCB concentrations in soil under existing conditions. This task involved two general steps. First, for each averaging area to which the NTE levels specified above apply (i.e., commercial or recreational areas that exceed 0.5 acre in size), the discrete PCB concentrations in the top foot of soil in unpaved portions of the averaging area were compared to the applicable NTE levels – i.e., 125 ppm for commercial areas and 50 ppm for recreational areas. Second, spatial average PCB concentrations were calculated for each relevant depth increment at each averaging area using the polygon-based spatial averaging techniques described in Attachment E to the SOW without consideration of anticipated removals to address the NTE levels. These techniques involve the following steps:

- For each averaging area and depth increment subject to PCB spatial average calculations, a detailed site plan was first developed to illustrate the following: property/ averaging area boundaries; surface topography; soil sampling locations within and adjacent to the averaging areas; locations of roadways, utilities, easements, etc.; locations of buildings, pavement, and other permanent structures; and other significant site features.

- Next, Theissen polygon maps were developed for each averaging area and depth increment. Theissen polygon mapping involves the use of computer software to draw perpendicular bisector lines between adjacent sample locations to create two-dimensional, sample-specific polygon areas. Certain boundary conditions impact the generation of Theissen polygons, such as the boundaries of the area subject to averaging, presence of paved and unpaved areas, easement boundaries, building footprints, property lines, etc. As appropriate, the computer-generated Theissen polygons were modified to reflect actual site conditions, presence/absence of soil at a given depth, locations of property lines, or other specific or unique site considerations. These polygons did not include the areas under existing buildings. Once the Theissen polygon mapping was complete, all of the soil areas and depths potentially subject to response actions were adequately characterized for use in subsequent evaluations. After generation of the Theissen polygons, polygon identification numbers were assigned to each polygon and the surface area of each polygon was calculated.

- Computer spreadsheets were then prepared to combine information obtained from the Theissen polygon mapping (i.e., polygon ID and area for each polygon) with the analytical results of soil sampling to provide a three-dimensional characterization of the soils associated with each polygon. The volume of soil associated with each polygon was based on the surface area of the polygon multiplied by the corresponding depth of soil for which samples were collected. Using the information described above, a spatial average PCB concentration was derived by multiplying the volume of each polygon by the corresponding PCB concentration, summing the results of this calculation for each polygon involved in the evaluation, and then dividing that sum by the cumulative soil volume associated with all of the polygons. This procedure yields a spatial average PCB concentration that incorporates both volume- and area-weighted considerations.

The resulting spatial average PCB concentrations were then compared to the applicable PCB Performance Standards specified in Section 3.2.1 above to determine whether soil remediation is necessary to address PCBs and, if so, the type of remediation required under the CD and SOW.

For areas where there were exceedances of the applicable NTE level (if any) in the top foot of unpaved soil or where the spatial average PCB concentrations exceeded the applicable Performance Standards, a remediation proposal was developed. For Unkamet Brook Area-West, all proposed remediation activities consist of soil removal/replacement and/or the installation of an engineered barrier, in accordance with the requirements of the CD and SOW, depending on the Performance Standard exceeded. For all areas at which remediation was proposed, an evaluation was conducted to confirm that the proposed remediation would achieve the applicable PCB Performance Standards. This evaluation assessed the PCB concentrations at each averaging area in its post-remediation condition against such standards. The procedures for such post-remediation evaluations are also established in Attachment E to the SOW. In accordance with that attachment, the procedures used to take account of the soil removal/replacement and/or installation of an engineered barrier included the following:

- For remediation actions involving soil excavation and subsequent backfilling, the spatial averaging procedures described above were used to assess the PCB concentrations at each evaluation area in its post-remediation condition by: 1) assuming the removal of soils within subject polygons to the required depth; 2) assuming that the excavated soils are replaced with backfill material that contains PCBs at an assumed concentration of 0.021 ppm (i.e., the average concentration of PCBs in sampled backfill sources, as indicated in Table 2 of GE's *Proposed Backfill Data Set for CD Sites*, March 11, 2003); and 3) calculating the anticipated post-remediation spatial average PCB concentration(s).

- For remediation actions involving the placement of an engineered barrier, the effectiveness of the barrier was assessed by recalculating the spatial average PCB concentration for the 0- to 15-foot depth increment for the subject averaging area, taking into account the installation of the barrier as follows: First, for those Theissen polygons within the engineered barrier, the materials to be used in the construction of the barrier were incorporated into recalculation of the spatial average PCB concentration for the 0- to 1-foot and 1- to 6-foot depth increments, assuming that the cover materials will contain PCBs at an assumed concentration of 0.021 ppm, the average concentration of PCBs as indicated in Table 2 of GE's *Proposed Backfill Data Set for CD Sites* (March 11, 2003). Second, soils (and their corresponding analytical data) present at all depths greater than 6 feet beneath the barrier were excluded from subsequent spatial average calculations and the spatial average concentrations were then recalculated for the remaining portion(s) of the averaging area. However, these steps were conducted only for polygons that would be fully covered by the proposed engineered barrier. Polygons that would be only partially covered by the proposed barrier were retained in the recalculations of the spatial average concentrations. The recalculations described in this paragraph apply only to the 0- to 15-foot depth increment at a given averaging area.

- Finally, the anticipated post-remediation spatial average PCB concentrations were compared to the applicable Performance Standards to ensure that the proposed remediation will achieve those standards.

The PCB evaluation results are summarized in Section 4 on an area-by-area basis, with supporting documentation (i.e., evaluation tables and polygon figures) provided in Appendix D.

3.2.4 Utility Corridor Evaluations

As indicated above, GE conducted various survey activities during the performance of pre-design investigations. The survey activities included identification of utilities present within the Unkamet Brook Area. The locations of the identified utilities, including those subject to future RD/RA evaluation, were most recently submitted to EPA in the Fourth Supplement. EPA conditionally approved the Fourth Supplement in a letter to GE dated December 30, 2008. However, during the development of this Conceptual Work Plan, GE identified several utility locations within Parcel K12-9-1 that appeared to be incorrect. In response to the above, in consultation with EPA, GE conducted supplemental survey activities to confirm/verify several utility locations within the above-referenced parcel. Supplemental survey activities included site walks, manhole inspections, dye tests, and further review of available utility drawings. Based on the results of the supplemental survey activities, GE revised the utility mapping associated with Parcel K12-9-1 and, by this report, corrects the information previously provided. The revised utility mapping associated with Parcel K12-9-1

is shown on Figure 2-2. Utility mapping associated with the other portions of Unkamet Brook Area–West (not revised since the Fourth Supplement) is shown on Figures 2-1 and 2-3.

As part of preparing, and following preparation of, the revisions to the utility mapping associated with K12-9-1, GE participated in various discussions with EPA. The discussions primarily focused on: 1) activities conducted during additional supplemental survey activities; 2) changes to various utility locations previously shown in site base mapping; 3) proposed changes to utility corridors subject to evaluation (based on the revised utility locations); and 4) PCB sample locations to be used in those evaluations. Based on those discussions, the utilities subject to evaluation (as well as the PCB sample locations to be used in the evaluation) are shown on Figure D-49.

As indicated above, if the spatial average PCB concentration in a utility corridor located within a GE-owned industrial averaging area exceeds 200 ppm in the 1- to 6-foot depth increment, GE must evaluate whether any additional response actions are necessary. If the spatial average PCB concentration in a utility corridor located within non-GE-owned areas exceeds 200 ppm to maximum depth of utility trench bedding, GE must evaluate whether any additional response actions are necessary.

During the identification of the utilities subject to evaluation shown on Figure D-49, GE evaluated the PCB analytical results from samples located within an approximately 50-foot wide band centered on certain utilities (i.e., located within approximately 25 feet from the centerline of the utility). As previously discussed in various documents to EPA (most recently in the Second Supplement), utility corridor characterization investigations were performed using an iterative approach. This approach was developed due to the presence of a multitude of electric and telephone lines, storm drains, water, fire protection, gas, and sewer lines that made the standard utility corridor sampling approach infeasible or excessive. The iterative approach generally included the following steps: (1) existing data were reviewed to identify PCB concentrations within the appropriate utility-related increment exceeding the 200 ppm utility corridor evaluation level (if any); (2) if such concentrations were identified, an evaluation regarding the need for and scope of additional PCB sampling was conducted; and (3) if no such concentrations above 200 ppm were identified, the available data were considered sufficient and no additional PCB sampling was proposed. As shown on Figure D-49, PCB concentrations above 200 ppm were observed within Unkamet Brook Area-West at corridors located directly south and east of Buildings 105, 106, 118 and 121. Specifically, based on discussions with EPA, the following four corridors were subject to evaluation within Unkamet Brook Area–West:

- Unkamet Brook Area–West Utility Corridor #1: This corridor contains the portion of the sanitary sewer line located north of Building 120W.

- Unkamet Brook Area–West Utility Corridor #2E: This corridor contains the eastern portion of the water, storm drain, and fire protection lines located north of Building 120X.

- Unkamet Brook Area–West Utility Corridor #2W: This corridor contains the western portion of the water, storm drain, and fire protection lines to the west of Unkamet Brook Area–West Utility Corridor #2E.

- Unkamet Brook Area–West Utility Corridor #3: This corridor contains the electric line running between Buildings 118, 120X, and 120W.

The results of the utility-related evaluations are summarized in Section 4.8 below.

3.3 Summary of Appendix IX+3 Constituent Evaluation Procedures

This section describes the procedures used to evaluate non-PCB Appendix IX+3 constituents in soil. As with PCBs, the other Appendix IX+3 constituents have been evaluated first for each averaging area in its existing condition. As further described herein, no remediation activities are necessary to address Appendix IX+3 constituents, since the applicable Performance Standards are satisfied under existing conditions for each averaging area. This section includes an overview of the applicable Performance Standards, an overview of the evaluation process used to assess achievement of those standards, and a more detailed description of some of the specific evaluation procedures used. Those procedures include application of screening criteria; the procedures used to assess dioxins/furans; comparisons to Method 1 soil standards specified in the Massachusetts Contingency Plan (MCP); and procedures used for area-specific risk evaluations (where necessary). The evaluation results are summarized on an area-by-area basis in Section 4, with supporting documentation provided in Appendix E (evaluation tables) and Appendix F (risk evaluations).

3.3.1 Applicable Performance Standards

The applicable Performance Standards for non-PCB Appendix IX+3 constituents in soils at Unkamet Brook Area-West, as set forth in Section 2.2.2 of the SOW, consist of the following:

- For dioxins and furans, total TEQ concentrations must be calculated using Toxicity Equivalency Factors (TEFs) published by the World Health Organization (WHO) in 1998 (van den Berg J. et al., *Environ. Health Perspectives*, Vol. 106, No. 12, Dec. 1998). Either the maximum TEQ concentration or the 95% percent upper confidence limit on the mean (95% UCL) of the TEQ data must be below certain Preliminary Remediation Goals (PRGs) developed or approved by EPA for dioxin/furan TEQs. These PRGs are: for areas evaluated as commercial, 5 parts per billion (ppb) in the top foot of soil and 20 ppb in subsurface soil; for areas evaluated as recreational, 1 ppb in the top foot and 1.5 ppb in the 1- to 3-foot depth interval, and for areas evaluated as residential, 1 ppb. In addition, at EPA's request, GE has agreed to compare the maximum or 95% UCL TEQ concentrations to certain additional TEQ criteria, although these are not Performance Standards specified in the CD or SOW. These criteria include 5 ppb for the 0- to 3-foot depth increment at commercial areas that will not have EREs; 1 ppb for the 0- to 3-foot depth increment at recreational areas that will not have EREs; and 20 ppb for soils below 3 feet at any recreational area. (For convenience, these additional criteria are considered PRGs in this Conceptual Work Plan.)

- For other non-PCB constituents, any combination of the following must be achieved: (1) maximum concentrations of individual constituents that do not exceed the Screening PRGs established or approved by EPA (as discussed below); and (2) for the remaining constituents, average concentrations that either: (a) do not exceed the MCP Method 1 soil standards (or Method 2 standards, if developed); or (b) are shown through an area-specific risk evaluation to have cumulative risk levels that do not exceed (after rounding) an excess lifetime cancer risk of 1×10^{-5} and a non-cancer Hazard Index of 1.

3.3.2 Overview of Evaluation Process

The initial task performed in the evaluation of the non-PCB constituents in soils at Unkamet Brook Area-West was to assess such constituents in soil at each averaging area under existing conditions, based on all available Appendix IX+3 data collected from that area, without considering PCB-related remediation. This assessment consisted of several steps:

- First, a screening step was conducted, which generally involved comparison of the maximum concentrations of all detected constituents (other than dioxin/furan TEQs) to PRGs developed by EPA Region 9 (as set forth in Exhibit F-1 to Attachment F of the SOW) or certain surrogate PRGs previously approved by EPA. This screening step is discussed further in Section 3.3.3.

- Second, for dioxin/furan TEQs, the maximum concentration at each area and relevant depth increment was compared to the applicable dioxin/furan PRG described above (as well as the additional criteria requested by EPA). This step is discussed further in Section 3.3.4.

- Third, for those constituents (other than dioxin/furan TEQs) that were not screened out in Step 1, the existing average concentrations of each such constituent were calculated for the relevant depth increments. These average concentrations were then compared to the MCP Method 1 soil standards for such constituents. (As discussed further below, average concentrations of sulfide and copper were compared to derived Method 2 soil standards.) This step is discussed further in Section 3.3.5 below.

- Fourth, for averaging areas where there were exceedances of the Method 1 soil standards in any depth increment but such exceedances were not significantly above the Method 1 soil standards, an area-specific risk evaluation was conducted for the same constituents evaluated in Step 3 and in accordance with the procedures specified for such evaluations in the SOW. This step is discussed further in Section 3.3.6.

In accordance with Attachment F to the SOW, these comparisons and evaluations of non-PCB constituents, following the initial screening step, were made for the same depth increments used for the PCB evaluations, as specified in Section 3.2.1.

As further described in Section 4, the results of these evaluations indicated no need for additional remediation to address non-PCB constituents in soil.

3.3.3 Screening Evaluation Procedures

As noted above, the first step in the evaluation of non-PCB Appendix IX+3 constituents in soil under existing conditions at the averaging areas at Unkamet Brook Area-West was the performance of a screening evaluation. In this step, the maximum concentrations of all detected constituents (other than dioxins/furans) were compared to the EPA Region 9 PRGs set forth in Exhibit F-1 to Attachment F of the SOW, using industrial PRGs for commercial areas and residential PRGs for residential and recreational areas. However, for certain constituents, EPA Region 9 PRGs are not available. For some of these constituents, the SOW identifies surrogate PRGs that may be used for screening purposes. Specifically, in accordance with the SOW, for polycyclic aromatic hydrocarbons (PAHs) for which EPA Region 9 PRGs do not exist, the EPA Region 9 PRG for benzo(a)pyrene was used for carcinogenic PAHs and the EPA Region 9 PRG for naphthalene was used for non-carcinogenic PAHs. For certain other constituents that do not have EPA Region 9 PRGs, this screening step used the PRGs for several surrogate compounds that have previously been approved by EPA for use at other RAAs. Finally, since no Screening PRG exists for trans-1,4-dichloro-2-butene, GE has used the PRG for 1,4-dichloro-2-butene as a surrogate at the one averaging area where that constituent was detected (Parcel K11-7-2). The Region 9 PRGs and surrogate PRGs used in this step are jointly referred to herein as the "Screening PRGs."

In addition to the above screening activities, GE proposes to screen out four Appendix IX+3 constituents at three averaging areas based on low frequency of detection. These constituents are discussed below.

- At the commercial/industrial portion of Parcel K12-9-1, GE proposes to screen out 4-chlorophenyl-phenylether, which was detected in only 5 of 130 samples (at a maximum concentration of 0.32 ppm) and n-nitroso-di-n-propylamine, which was detected in only 1 of 130 samples (at a concentration of 0.52 ppm).

- At the non-commercial/industrial portion of Parcel L12-2-2, GE proposes to screen out n-nitrosopiperidine, which was detected in only 1 of 48 samples (at a concentration of 5.8 ppm).

- At the commercial/industrial portion of Parcel L12-2-2, GE proposes to screen out benzidine, which was detected in only 1 of 63 samples (at a concentration of 0.34 ppm).

3.3.4 Dioxin/Furan Evaluation Procedures

For each dioxin/furan sample, a total TEQ concentration was calculated using the 1998 WHO TEFs. In making these calculations, the concentrations of the individual dioxin/furan compounds not detected in a given sample were represented as one-half the analytical detection limit for such compounds. Then, for each averaging area and relevant depth increment, the maximum TEQ concentration was compared to the applicable PRG for that type of area and depth as specified in Section 3.3.1 above.

If the maximum TEQ concentrations at each averaging area were less than the applicable PRGs, it was concluded that no further response actions are necessary to address dioxin/furan TEQs. If any dioxin/furan TEQ concentration was greater than the applicable PRG for a given averaging area and depth increment, then GE either: (a) proposed remediation actions to address that exceedance; or (b) calculated the 95% UCL of the TEQ concentrations for such area and depth increment and compared that 95% UCL value to the applicable PRG, as allowed by the SOW.

3.3.5 Comparisons to MCP Method 1 Soil Standards

For each constituent (other than dioxins/furans) that was not eliminated in the screening step, an average concentration was calculated for the averaging area and depth increment in question and compared to the applicable MCP Method 1 soil standard. In calculating these average concentrations, non-detect sample results were represented as one-half the analytical detection limit.

To determine which set of Method 1 soil standards to use in these comparisons, an assessment was made based on the relevant MCP criteria. In general, these criteria require consideration of the property type, accessibility of the soils (relative to their depth and presence of pavement and buildings), potential uses of the area(s) by adults and children, and the relative frequency and intensity of such use (see 310 CMR 40.0933). Unkamet Brook Area-West includes commercial areas, recreational areas, and a parcel being evaluated as residential. A summary of the Method 1 soil standards selected for each type of area is presented below.

- For commercial areas, it was assumed that: (1) children are generally not present; (2) adult workers in the commercial operations would have a high frequency of use (based on the potential for such individuals to be present for 8 hours or more per day on a continuing basis), but would have low intensity of use since such individuals would typically not be engaged in activities that would disturb the soil; and (3) if groundskeepers are present, they could have a high intensity of use but would have a low frequency since they would not be expected to engage in groundskeeping activities for full days on a continuing basis. Based on these considerations, the Method 1 S-2 soil standards were selected to apply to surface soils within the upper 3 feet of the area – i.e., the 0- to 1-foot and the 0- to 3-foot depth increments. The category S-3 standards were determined to apply to subsurface soils, which include the 1- to 6-foot and the 0- to 15-foot depth increments.

- For recreational areas, it was conservatively assumed that both child and adult use could occur, and that the potential frequency and intensity of such use could be “high” for soils in the top 3 feet. As a result, the Method 1 S-1 soil standards were selected to apply to soils located within the upper 3 feet of each such area – i.e., the 0- to 1-foot and 1- to 3-foot or 0- to 3-foot depth increments (as applicable). For deeper soils, it was assumed that children would not have both high frequency and high intensity of use; hence, the Method 1 S-2 standards were determined to apply to the 0- to 15-foot depth increment.

- For areas being evaluated as residential, the SOW provides for the use of Method 1 S-1 soil standards. Therefore for the 0- to 1-foot depth increment and for the 1- to X-foot depth increment (where X is the depth to which PCBs were detected, down to 15 feet), the average concentration in each depth increment was compared to Method 1 S-1 standards.

It should also be noted that the numerical values of the Method 1 soil standards can vary depending on the applicable MCP groundwater classification. For Unkamet Brook Area-West, two MCP groundwater classifications apply, depending on the specific location within the area: GW-2 groundwater is groundwater located within 15 feet of the ground surface and within 30 feet of occupied structures, while GW-3 groundwater applies to all areas

within the area. For nearly all the constituents that were subject to this phase of the Appendix IX+3 evaluations at Unkamet Brook Area-West, the Method 1 soil standards for a given soil category are the same regardless of whether the groundwater is classified as GW-2 or GW-3. However, where there are differences, the more stringent soil standards were used.

A few constituents that were retained after the screening steps at one or more areas do not have MCP Method 1 soil standards. For two such constituents – sulfide and copper – GE has previously derived MCP Method 2 S-1 soil standards, which have been approved by EPA. For sulfide, the Method 2 standard was based on data for carbon disulfide (as a surrogate) and was presented in a memorandum to EPA and MDEP dated April 4, 2006; it is 633 ppm. For copper, the Method 2 standard approved by EPA at other RAAs under the CD is 770 ppm. These Method 2 standards were used in lieu of Method 1 standards in the evaluations of all types of areas at Unkamet Brook Area-West where those constituents were retained; these Method 2 standards are (for convenience) included in the term "Method 1 standards" in the subsequent discussions of the non-PCB evaluations in this Conceptual Work Plan.

3.3.6 Area-Specific Risk Evaluations

Area-specific risk evaluations were performed for non-PCB constituents that exceeded corresponding MCP Method 1 soil standards (other than dioxins/furans) in one or more of the relevant depth increments at two commercial areas (Parcel K11-7-2 and the western portion of Parcel K12-9-1) and the one averaging area that GE has elected to evaluate as residential (Parcel K11-7-8). For each of these areas, the risk evaluations were performed for existing conditions.

In accordance with the procedures specified in the SOW for area-specific risk evaluations, these area-specific risk evaluations were performed for all constituents that were retained for evaluation prior to the comparison to MCP Method 1 soil standards, and were based on the same average concentrations of those constituents that were used in the comparisons to Method 1 standards. These evaluations were generally based on the same exposure scenarios that were used in developing the applicable PCB Performance Standards, as set forth in EPA's PCB risk evaluation in Attachment A to Appendix D to the CD. Thus, for the areas evaluated as commercial, the evaluations applied the Commercial Groundskeeper scenario for the 0- to 1-foot depth increment and the Utility Worker scenario for the 1- to 6-foot depth increment. However, for the 0- to 15-foot depth increment (which was not assessed in Attachment A to Appendix D to the CD), the evaluations applied a Construction Worker scenario, based on EPA's direction to apply such a scenario to this depth increment at the Silver Lake Area. For the area evaluated as residential, the risk evaluation used the Residential User scenario for the 0- to 1-foot and 1- to X-foot depth increments.

In addition, the risk evaluations that were performed used the same exposure assumptions and parameter values that were used by EPA in Attachment A to Appendix D to the CD for developing the PCB Performance Standards for the same scenarios, except that: (a) for chemical-specific parameters (i.e., oral and dermal absorption factors), the evaluations used values recommended by EPA or MDEP; and (b) for the Construction Worker scenario, the evaluations used the same assumptions that EPA directed GE to use at the Silver Lake Area. The evaluations also used standard EPA cancer and non-cancer toxicity values -- i.e., Cancer Slope Factors (CSFs) and non-cancer Reference Doses (RfDs) -- as set forth on EPA's Integrated Risk Information System (IRIS) (or, where such values are not available on IRIS, values taken from other EPA or MDEP sources), together with EPA's recommended Relative Potency Factors (RPFs) for carcinogenic PAHs.

Based on these inputs, the risk evaluations calculated a cumulative Excess Lifetime Cancer Risk (ELCR) for the retained carcinogenic constituents and a Hazard Index (HI) for the retained constituents with non-cancer RfDs. The resulting ELCRs and HIs were then compared (after rounding) with the benchmarks set forth in the SOW of 1×10^{-5} for cancer risks and a HI of 1 for non-cancer impacts.

The area-specific risk evaluations performed for Unkamet Brook Area-West averaging areas are described and the results presented in Appendix F to this Conceptual Work Plan. The results are summarized, where applicable, in the area-specific evaluations presented in Section 4.

3.3.7 Post-Remediation Evaluations

As further described below in Section 4, none of the averaging areas within Unkamet Brook Area-West requires remediation to address non-PCB Appendix IX+3 constituents. The applicable Performance Standards are satisfied for these constituents under existing conditions. As a result, post-remediation evaluations of these constituents were not necessary.

4. PCB and Non-PCB Soil Evaluations

4.1 General

This section presents the results of the area-specific PCB and Appendix IX+3 evaluations that were performed for the averaging areas within Unkamet Brook Area-West in accordance with the evaluation procedures summarized in Section 3 of this Conceptual Work Plan.

In this section, the following information is presented for each of the averaging areas located within Unkamet Brook Area-West:

- Description of area and identification of Performance Standards;
- Evaluation of existing conditions with respect to PCBs and discussion of the need for remediation to address PCBs;
- Evaluation of existing conditions with respect to other Appendix IX+3 constituents and discussion of the need for remediation to address these constituents;
- Description of proposed remediation actions (as shown on figures); and
- Evaluation of post-remediation conditions with respect to PCBs (if required).

Following the discussion of above-referenced area-specific evaluations, this section presents a utility corridor evaluation summary for PCBs. Finally, this section presents an overall summary of the soil removal actions proposed for Unkamet Brook Area-West, including soil removal volumes and an engineered barrier installation area.

In support of the evaluations presented in this section, GE has prepared backup documentation for these evaluations. Specifically, the spatial averaging tables and Theissen polygon maps developed in support of the area-specific and utility-related PCB evaluations are presented in Appendix D. The evaluation tables and figures developed in support of the Appendix IX+3 evaluations summarized herein are presented in Appendix E. Finally, the area-specific risk evaluations are presented in Appendix F.

It should also be noted that, separate from the remediation actions proposed herein to meet the soil-related Performance Standards, GE has agreed to conduct pavement restoration activities within certain portions of Unkamet Brook Area-West in accordance with an EPA conditional approval letter dated March 26, 2008 regarding the Supplement to PDI Report and based on the results of a pavement inspection site walk with EPA. The anticipated areas subject to pavement restoration activities are shown on Figures 4-1 and 4-2.

4.2 Evaluations for Parcel K11-7-2

As shown on Figure 1-2, Parcel K11-7-2 is a GE-owned commercial/industrial property bordered to the northeast by Plastics Avenue, to the southeast by Merrill Road, to the southwest by the Hill 78 Area-Remainder RAA, and to the northwest by a number of residential properties. As indicated on Figure 1-2, this area extends east to the centerline of Plastics Avenue. Since this parcel is owned by GE, it will be subject to an ERE. The applicable Performance Standards for this averaging area require the removal/replacement of soils as necessary to achieve a spatial average PCB concentration of 25 ppm in the top foot of unpaved areas. For the entire area (paved and unpaved portions together), if the spatial average PCB concentration exceeds 25 ppm in the top foot of soil, GE must either remove and replace soils as necessary to achieve that spatial average concentration or enhance the pavement in the paved portion in accordance with the specifications for pavement enhancement in the SOW. In addition, considering the both paved and unpaved portions together, GE must remove and replace soils as necessary to achieve a PCB spatial average of 200 ppm in the 1- to 6-foot depth increment. Further, if, after incorporating any response actions anticipated to occur within the uppermost 6 feet, the spatial average PCB concentration in the 0- to 15-foot depth exceeds 100 ppm, installation of an engineered barrier is required. Finally, since this averaging area is greater than 0.5 acre, the maximum PCB concentration in the top foot of soils within unpaved areas at this averaging area must be less than the 125 ppm NTE concentration for commercial properties.

4.2.1 PCB Evaluation – Existing Conditions

The first step in the evaluation process involved the identification of any soil samples in the top foot of unpaved areas containing PCB concentrations greater than the applicable NTE level of 125 ppm. There are no such exceedances of the NTE level in these areas. The next step involved the use of available PCB soils data and the spatial averaging procedures discussed in Section 3 to calculate average PCB concentrations for each of the depth increments specified in Section 4.2 above. The following table presents the existing average PCB concentrations that were calculated for this averaging area, together with references to the corresponding tables in Appendix D and the applicable Performance Standards:

Depth Increment	Appendix D Table Reference	Existing Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1' (unpaved)	D-1	0.21	25
0 – 1' (paved and unpaved)	D-2	0.21	25
1 – 6'	D-3	0.08	200
0 – 15'	D-4	0.06	100

As indicated in the preceding table, none of the existing average PCB concentrations exceeds the corresponding Performance Standards. As a result, no remediation is required to achieve the PCB Performance Standards for this area.

4.2.2 Appendix IX+3 Evaluation – Existing Conditions

The Appendix IX+3 data used in the evaluations for Parcel K11-7-2 are presented in Table E-1. These data are the basis for the Appendix IX+3 evaluations presented in this section.

4.2.2.1 Screening Evaluation

Consistent with the protocols established in the SOW and summarized in Section 3.3.3 of this Conceptual Work Plan, the maximum concentrations of all detected constituents (other than dioxins/furans) were compared to their corresponding Screening PRGs. Table E-2 identifies the detected constituents and provides a comparison of the maximum detected concentration of each of those constituents to the applicable Screening PRG. As shown in that table, the following constituents have maximum detected concentrations that exceed their corresponding Screening PRGs:

- Trans-1,4-dichloro-2-butene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Dibenzo(a,h)anthracene
- Indeno(1,2,3-cd)pyrene
- Arsenic

These constituents were retained for further evaluation along with dioxin/furan TEQs.

4.2.2.2 Evaluation of Retained Constituents

For the Appendix IX+3 constituents retained for further evaluation, the next component of the Appendix IX+3 evaluation involved the comparison of average constituent concentrations (except for dioxin/furan TEQs) to the applicable MCP Method 1 soil standards and comparison of maximum dioxin/furan TEQ concentrations to the applicable PRGs.

Tables E-3 through E-5 present the evaluations of retained constituents for the 0- to 1-foot, 1- to 6-foot, and 0- to 15-foot depth increments, respectively. As indicated in those tables, all dioxin/furan TEQ concentrations are below the applicable PRGs. In addition, the average concentrations of the remaining retained constituents are below the corresponding Method 1 soil standards with the exception of trans-1,4-dichloro-2-butene. No Method 1 soil standard exists for trans-1,4-dichloro-2-butene; therefore, an area-specific risk evaluation has been performed for soils within this averaging area in its existing condition.

That risk evaluation is included in Appendix F to this Conceptual Work Plan and indicates that, under existing conditions, both cancer risks and non-cancer hazards due to the retained constituents in the 0- to 1-foot, 1- to 6-foot, and 0- to 15-foot depth increments are below the benchmarks specified in the SOW. Therefore, no remediation for Appendix IX+3 constituents is required to achieve the non-PCB Performance Standards for this averaging area.

4.3 Evaluations for Parcel K11-7-8

As indicated above, Parcel K11-7-8 is a non-GE-owned commercial/industrial property that GE has elected to evaluate in accordance with residential Performance Standards. As shown on Figure 1-2, Parcel K11-7-8 is bordered to the northeast by Parcel K11-7-9, to the southeast by Merrill Road, and to the northwest and southwest by Parcel K11-7-2. The applicable Performance Standards for residential properties require the removal/ replacement of soils as necessary to achieve spatial average PCB concentrations of 2 ppm in the top foot and in the 1- to X-foot depth increment, where X equals the depth to which PCBs have been detected (up to a maximum of 15 feet). Since this area is not greater than 0.25 acre in size, the PCB NTE criterion of 10 ppm in the top foot of soil is not applicable.

4.3.1 PCB Evaluation – Existing Conditions

The PCB evaluation process for Parcel K11-7-8 involved the use of available PCB soils data and the spatial averaging procedures discussed in Section 3 to calculate average PCB concentrations for each of the depth increments specified in Section 4.3 above. In this case, since PCBs at this property were detected to a depth of 15 feet, the evaluation was conducted for the 0- to 1-foot and 1- to 15-foot depth increments. The following table

presents the existing average PCB concentrations that were calculated for this area, together with references to the corresponding tables in Appendix D and the applicable Performance Standard:

Depth Increment	Appendix D Table Reference	Existing Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’	D-5	0.13	2
1 – 15’	D-6	1.01	2

As indicated in the preceding table, the existing average PCB concentrations do not exceed the residential Performance Standard in either depth increment. As a result, no remediation is required to achieve the PCB Performance Standard at this area.

4.3.2 Appendix IX+3 Evaluation – Existing Conditions

The Appendix IX+3 data used in the evaluations for Parcel K11-7-8 are presented in Table E-6. These data are the basis for the Appendix IX+3 evaluations presented in this section.

4.3.2.1 Screening Evaluation

Consistent with the protocols established in the SOW and summarized in Section 3.3.3 of this Conceptual Work Plan, the maximum concentrations of all detected constituents (other than dioxins/furans) were compared to their Screening PRGs. Table E-7 identifies the detected constituents and provides a comparison of the maximum detected concentration of each of those constituents to the applicable Screening PRG. As shown in that table, the following remaining constituents have maximum detected concentrations that exceed their corresponding Screening PRGs:

- Aniline
- Benzo(a)pyrene
- Arsenic

These constituents were retained for further evaluation, along with dioxin/furan TEQs.

4.3.2.2 Evaluation of Retained Constituents

For the Appendix IX+3 constituents retained for further evaluation, the next component of the Appendix IX+3 evaluation involved the comparison of average constituent concentrations (except for dioxin/furan TEQs) to the applicable MCP Method 1 soil standards and comparison of maximum dioxin/furan TEQ concentrations to the applicable PRGs.

Tables E-8 and E-9 present the evaluations of retained constituents for the 0- to 1-foot and 1- to 15-foot depth increments. As indicated in those tables, all dioxin/furan TEQ concentrations are below the applicable PRG. In addition, the average concentrations of the remaining retained constituents are below the corresponding Method 1 soil standards with the exception of aniline. No Method 1 soil standard exists for aniline; therefore, an area-specific risk evaluation has been performed for soils within this averaging area in its existing condition

That risk evaluation is included in Appendix F to this Conceptual Work Plan and indicates that, under existing conditions, both cancer risks and non-cancer hazards due to the retained constituents in the 0- to 1-foot and 1- to 15-foot depth increments do not exceed the benchmarks specified in the SOW. Therefore, no remediation for Appendix IX+3 constituents is required to achieve the non-PCB Performance Standards for this averaging area.

4.4 Evaluations for Parcel K11-7-9

As shown on Figure 1-2, Parcel K11-7-9 is a City-owned commercial property bordered to the north by Parcel K11-7-2, to the southeast by Merrill Road, and to the southwest by Parcel K11-7-8. The City has agreed in the CD to execute an ERE on its properties within the Site where necessary. Thus, the applicable Performance Standards for this averaging area require the removal/replacement of soils as necessary to achieve a spatial average PCB concentration of 25 ppm in the top foot of unpaved areas. Since no pavement exists on this parcel, the Performance Standard for paved areas is not applicable. In addition, GE must remove/replace soils as necessary to achieve a spatial average PCB concentration of 200 ppm in the 1- to 6-foot depth increment, and GE must install an engineered barrier if the remaining spatial average PCB concentration in the 0- to 15-foot depth increment exceeds 100 ppm. Since this area is not greater than 0.5 acre in size, the PCB NTE criterion of 125 ppm in the top foot of soil is not applicable.

4.4.1 PCB Evaluation – Existing Conditions

The evaluation process for Parcel K11-7-9 involved the use of available PCB soils data and the spatial averaging procedures discussed in Section 3 to calculate average PCB concentrations for each of the applicable depth increments specified in Section 4.4 above. The following table presents the existing average PCB concentrations that were calculated for this area, together with references to the corresponding tables in Appendix D and the applicable Performance Standards:

Depth Increment	Appendix D Table Reference	Existing Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1' (unpaved)[1]	D-7	0.23	25
1 – 6'	D-8	0.05	200
0 – 15'	D-9	0.09	100

Note:

1. Entire averaging area is unpaved.

As indicated in the preceding table, none of the existing average PCB concentrations exceeds the corresponding Performance Standard. As a result, no remediation is required to achieve the PCB Performance Standards at this area.

4.4.2 Appendix IX+3 Evaluation – Existing Conditions

The Appendix IX+3 data used in the evaluations for Parcel K11-7-9 are presented in Table E-10. These data are the basis for the Appendix IX+3 evaluations presented in this section.

4.4.2.1 Screening Evaluation

Consistent with the protocols established in the SOW and summarized in Section 3.3.3 of this Conceptual Work Plan, the maximum concentrations of all detected constituents (other than dioxins/furans) were compared to their corresponding Screening PRGs. Table E-11 identifies the detected constituents and provides a comparison of the maximum detected concentration of each of those constituents to the applicable Screening PRG. As shown in that table, only arsenic has a maximum detected concentration that exceeds its corresponding Screening PRG. Thus, arsenic was retained for further evaluation, along with dioxin/furan TEQs.

4.4.2.2 Evaluation of Retained Constituents

The next component of the Appendix IX+3 evaluation involved comparison of average arsenic concentrations to the applicable MCP Method 1 soil standard and comparison of maximum dioxin/furan TEQ concentrations to the applicable EPA PRGs.

Tables E-12 through E-14 present the evaluations of retained constituents for the 0- to 1-foot, 1- to 6-foot, and 0- to 15-foot depth increments, respectively. As indicated in those tables, all dioxin/furan TEQ concentrations are below the applicable PRGs, and the average concentrations of arsenic are less than the applicable Method 1 soil standard for each applicable depth increment. Therefore, no remediation for Appendix IX+3 constituents is necessary to achieve the non-PCB Performance Standards at this area.

4.5 Evaluations for Parcel K12-9-1 (Commercial/Industrial Portion)

As shown on Figure 1-2, the commercial/industrial portion of GE-owned Parcel K12-9-1 is bordered to the northeast by the non-industrial portion of Parcel K12-9-1, to the northwest by Dalton Avenue, to the southeast by Merrill Road, and to the southwest by Plastics Avenue. As indicated on Figure 1-2, this area extends west to the centerline of Plastics Avenue. Since this parcel is owned by GE, it will be subject to an ERE. The applicable Performance Standards for this averaging area require the removal/replacement of soils as necessary to achieve spatial average PCB concentrations of 25 ppm in the top foot of unpaved areas. For the entire area (paved and unpaved portions together), if the spatial average PCB concentration exceeds 25 ppm in the top foot of soil, GE must either remove and replace soils as necessary to achieve that spatial average concentration or enhance the pavement in the paved portion in accordance with the specifications for pavement enhancement in the SOW. In addition, considering both paved and unpaved portions together, GE must remove and replace soils as necessary to achieve a PCB spatial average of 200 ppm in the 1- to 6-foot depth increment. Further, if after incorporating any response actions anticipated to occur within the uppermost 6 feet, the spatial average PCB concentration in the 0- to 15-foot depth exceeds 100 ppm, the installation of an engineered barrier is required. Since this averaging area is greater than 0.5 acre, the maximum PCB concentration in the top foot of soils within the averaging area must be less than the 125 ppm NTE concentration for commercial properties.

4.5.1 PCB Evaluation – Existing Conditions

The first step in the evaluation process involved the identification of any soil samples in the top foot of unpaved areas containing PCB concentrations greater than the applicable NTE level of 125 ppm. This step resulted in the identification of the three soil sample locations (BW0050A, RAA10-N-N11, and Trench B) in the top foot of soil in unpaved areas that contain PCBs at concentrations in excess of the NTE level. As a result, GE will conduct soil removal/replacement for polygons within unpaved areas associated with the above sample locations.

The next step involved the use of available PCB soils data and the spatial averaging procedures discussed in Section 3 to calculate average PCB concentrations for each of the depth increments specified in Section 4.5 above. The following table presents the existing average PCB concentrations that were calculated for this area, together with references to the corresponding tables in Appendix D and the applicable Performance Standards:

Depth Increment	Appendix D Table Reference	Existing Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1' (unpaved)	D-10	1.26	25
0 – 1' (paved and unpaved)	D-11	2.47	25
1 – 6'	D-12	208.35	200
0 – 15'	D-13	236.44	100

As indicated in the preceding table, the existing average PCB concentrations in the 1- to 6-foot and 0- to 15-foot depth increments exceed the corresponding Performance Standards. In addition, as noted above, there are three exceedances of the NTE level in unpaved areas of this averaging area. As a result, remediation is required to achieve the PCB Performance Standards for this averaging area.

4.5.2 Appendix IX+3 Evaluation – Existing Conditions

The Appendix IX+3 data used in the evaluations for the commercial/industrial portion of Parcel K12-9-1 are presented in Table E-15. These data are the basis for the Appendix IX+3 evaluations presented in this section.

4.5.2.1 Screening Evaluation

Consistent with the protocols established in the SOW and summarized in Section 3.3.3 of this Conceptual Work Plan, the maximum concentrations of all detected constituents (other than dioxins/furans) were compared to their corresponding Screening PRGs. Table E-16 identifies the detected constituents and provides a comparison of the maximum detected concentration of each of those constituents to the applicable Screening PRG In addition, as noted in Section 3.3.3, GE has screened out two Appendix IX+3 constituents at this averaging area based on low frequency of detection. These constituents are 4-chlorophenyl-phenylether, which was detected in only 5 of 130 samples (at a maximum concentration of 0.32 ppm), and n-nitroso-di-n-propylamine, which was detected in only 1 of 130 samples (at a concentration of 0.52 ppm). As shown in Table E-16, the following constituents remain after the screening step:

- Benzene
- Chloroform
- Methylene Chloride
- Trichloroethene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Dibenzo(a,h)anthracene
- Indeno(1,2,3-cd)pyrene
- Arsenic
- Sulfide

These constituents were retained for further evaluation, along with dioxin/furan TEQs.

4.5.2.2 Evaluation of Retained Constituents

For the Appendix IX+3 constituents retained for further evaluation, the next component of the Appendix IX+3 evaluation involved the comparison of average constituent concentrations (except for dioxin/furan TEQs) to the applicable MCP Method 1 soil standards and comparison of maximum dioxin/furan TEQ concentrations to the applicable EPA PRGs.

Tables E-17 through E-19 present the evaluations of retained constituents for the 0- to 1-foot, 1- to 6-foot, and 0- to 15-foot depth increments, respectively. As indicated in those tables, all dioxin/furan TEQ concentrations are below the applicable PRGs. However, average concentrations of chloroform and trichloroethene are greater than the applicable Method 1 soil standards in the 0- to 15-foot depth increment. In this situation, an area-specific risk evaluation has been performed for soils within this averaging area in its existing condition.

That risk evaluation is included in Appendix F to this Conceptual Work Plan and indicates that, under existing conditions, both cancer risks and non-cancer hazards due to the retained constituents in the 0- to 1-foot, 1- to 6-foot, and 0- to 15-foot depth increments are below the benchmarks specified in the SOW. Therefore, no remediation for Appendix IX+3 constituents is required to achieve the non-PCB Performance Standards for this averaging area.

4.5.3 Proposed Remediation

Based on the results of the PCB evaluations described above, GE proposes to conduct soil removal/replacement and engineered barrier installation activities within this averaging area to the limits shown on Figure 4-2. This remediation will involve the excavation of approximately 1,900 in-situ cubic yards of soil and installation of approximately 0.3 acres of engineered barrier. Note that the approximately 1,900 in-situ cubic yard removal volume does not include the approximately 800 in-situ cubic yards of additional removal to be conducted within this averaging area associated with the utility corridor evaluations further discussed in Section 4.8 below. As indicated in Section 4.5.4, performance of these activities will result in the achievement of the applicable PCB Performance Standards.

4.5.4 PCB Evaluation – Post-Remediation Conditions

The proposed remediation shown on Figure 4-2 will result in removal of all unpaved soils containing PCBs in excess of the NTE level and achievement of the PCB Performance Standards for the relevant depth increments, as indicated in the following table:

Depth Increment	Appendix D Table Reference	Post-Remediation Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’ (unpaved)	D-14	1.08	25
0 – 1’ (paved and unpaved)	D-15	2.38	25
1 – 6’	D-18	35.63	200
0 – 15’	D-18	42.72	100

It should be noted that the post-remediation average PCB concentrations provided above incorporate the various utility-related soil removal activities to be conducted within this averaging area. The scope of utility-related soil removal activities is summarized in Section 4.8 below. Also note that the above-referenced Table D-18 incorporates the soil wedges to remain adjacent to certain structures as further discussed in Section 4.8 below.

4.6 Evaluations for Parcel L12-2-2 (Non-Industrial Portion)

As shown on Figure 1-2, the non-commercial/industrial portion of non-GE-owned Parcel L12-2-2 is generally bordered to the north by the commercial/industrial portion of Parcel L12-2-2, to the east by the remaining portion of Parcel L12-2-2 not included in this RAA, to the south by Parcel L12-2-1, and to the west by Parcel L11-4-112. As discussed in Section 3.2.2, GE has evaluated this area under the Performance Standards applicable to properties subject to a Conditional Solution. Under a Conditional Solution scenario, the applicable Performance Standards require the removal/replacement of soils as necessary to achieve spatial average PCB concentrations of 10 ppm in the top foot and the 0- to 3-foot depth increment. Further, if, after incorporating any response actions anticipated for the uppermost 3 feet, the spatial average PCB concentration exceeds 100 ppm in the 0- to 15-foot depth increment, an engineered barrier must be installed. Since this averaging area is greater than 0.5 acre, the maximum PCB concentration in the top foot of soils within the averaging area must be less than the 50 ppm NTE concentration for non-commercial/industrial properties.

4.6.1 PCB Evaluation – Existing Conditions

The first step in the evaluation process involved the identification of any soil samples in the top foot of unpaved areas containing PCB concentrations greater than the applicable NTE level of 50 ppm. This step resulted in the identification of three soil sample locations (RAA10-E-P15, RAA10-E-R14, and RAA10-E-S14) in the top foot of soil that contain PCBs at concentrations in excess of the NTE level. As a result, GE will conduct soil removal/replacement within the unpaved portions of the polygons associated with the above sample locations.

The next step involved the use of available PCB soils data and the spatial averaging procedures discussed in Section 3 to calculate average PCB concentrations for each of the depth increments specified in Section 4.6 above. The following table presents the existing average PCB concentrations that were calculated for this area, together with references to the corresponding tables in Appendix D and the applicable Performance Standards under a Conditional Solution scenario:

Depth Increment	Appendix D Table Reference	Existing Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’	D-19	3.32	10
0 – 3’	D-20	9.37	10
0 – 15’	D-21	5.61	100

As indicated in the preceding table, the existing average PCB concentration for each of the specified evaluation depth increments is below the corresponding Performance Standard. However, remediation activities are necessary for this averaging area to address the exceedances of the NTE level discussed above.

4.6.2 Appendix IX+3 Evaluation – Existing Conditions

The Appendix IX+3 data used in the evaluations for the non-commercial/industrial portion of Parcel L12-2-2 are presented in Table E-20. These data are the basis for the Appendix IX+3 evaluations presented in this section.

4.6.2.1 Screening Evaluation

Consistent with the protocols established in the SOW and summarized in Section 3.3.3 of this Conceptual Work Plan, the maximum concentrations of all detected constituents (other than dioxins/furans) were compared to their corresponding Screening PRGs. Table E-21 identifies the detected constituents and provides a comparison of the maximum detected concentration of each of those constituents to the applicable Screening PRG. In addition, as noted in Section 3.3.3, GE has screened out N-nitrosopiperidine, which was detected in only 1 of 48 samples (at a concentration of 5.8 ppm), based on very low frequency of detection As shown in Table E-21, the following constituents remain after the screening step:

- 1,4-Dichlorobenzene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Dibenzo(a,h)anthracene
- Indeno(1,2,3-cd)pyrene
- Antimony
- Arsenic
- Copper
- Lead

These constituents were retained for further evaluation, along with dioxin/furan TEQs.

4.6.2.2 Evaluation of Retained Constituents

For the Appendix IX+3 constituents retained for further evaluation, the next component of the Appendix IX+3 evaluation involved the comparison of average constituent concentrations (except for dioxin/furan TEQs) to the applicable MCP Method 1 soil standards and comparison of maximum dioxin/furan TEQ concentrations to the applicable EPA PRGs.

Tables E-22 through E-24 present the evaluations of retained constituents for the 0- to 1-foot, 0- to 3-foot, and 0- to 15-foot depth increments, respectively. As indicated in those tables, two samples (RAA10-E-P15 [1- to 3-foot and 3- to 6-foot depth increments]) had dioxin/furan TEQ concentrations greater than the applicable PRG. As a result, the 95% UCLs were calculated for the 0- to 3-foot and 0- to 15-foot depth increments. These calculated 95% UCL values were less than the EPA PRGs for these depth increments. As a result, remediation is not required to address these constituents. In addition, average concentrations of the other retained constituents are less than the applicable Method 1 soil standards for each applicable depth increment. Accordingly, no remediation for Appendix IX+3 constituents is necessary at this area.

4.6.3 Proposed Remediation

Based on the results of the PCB evaluations described above, GE proposes to conduct soil removal/replacement activities within this averaging area to the limits shown on Figure 4-3. This remediation will involve the excavation of approximately 70 in-situ cubic yards of soil. As indicated in Section 4.6.4, performance of these activities will result in the achievement of the applicable PCB Performance Standards under a Conditional Solution scenario.

4.6.4 PCB Evaluation – Post-Remediation Conditions

The proposed remediation shown on Figure 4-3 will result in removal of all unpaved soils containing PCBs in excess of the NTE level and further reduce the PCB special average concentrations below the applicable Performance Standards for the relevant depth increments, as indicated in the following table:

Depth Increment	Appendix D Table Reference	Existing Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’	D-22	1.39	10
0 – 3’	D-23	8.73	10
0 – 15’	D-24	5.48	100

4.7 Evaluations for Parcel L12-2-2 (Commercial/Industrial Portion)

As shown on Figure 1-2, the commercial/industrial portion of non-GE-owned Parcel L12-2-2 is bordered to the north by the portion of Parcel L12-2-2 not included in the RAA, to the east and south by the non-commercial/industrial portion of Parcel L12-2-2, and to the west by Merrill Road. As discussed in Section 3.2.2, GE has evaluated this area under the Performance Standards applicable to properties subject to a Conditional Solution. Under the Conditional Solution scenario, the applicable Performance Standards require the

removal/replacement of soils as necessary to achieve spatial average PCB concentrations of 25 ppm in the top foot and 0- to 3-foot depth increment and 200 ppm in the 1- to 6-foot depth increment, as well as installation of an engineered barrier if the remaining spatial average PCB concentration in the 0- to 15-foot depth exceeds 100 ppm. Since this averaging area is greater than 0.5 acre, the maximum PCB concentration in the top foot of soils within the averaging area must be less than the 125 ppm NTE concentration for commercial/industrial properties.

4.7.1 PCB Evaluation – Existing Conditions

The first step in the evaluation process involved the identification of any soil samples in the top foot of unpaved areas containing PCB concentrations greater than the applicable NTE level of 125 ppm. There are no such exceedances of the NTE level in this area. The next step involved the use of available PCB soils data and the spatial averaging procedures discussed in Section 3 to calculate average PCB concentrations for each of the applicable depth increments specified in Section 4.7 above. The following table presents the existing average PCB concentrations that were calculated for this area, together with references to the corresponding tables in Appendix D and the applicable Performance Standards:

Depth Increment	Appendix D Table Reference	Existing Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’	D-25	0.23	25
0 – 3’	D-26	0.14	25
1 – 6’	D-27	0.44	200
0 – 15’	D-28	0.19	100

As indicated in the preceding table, none of the existing average PCB concentrations exceeds the corresponding Performance Standards. As a result, no remediation is required to achieve the PCB Performance Standards at this area under a Conditional Solution scenario.

4.7.2 Appendix IX+3 Evaluation – Existing Conditions

The Appendix IX+3 data used in the evaluations for the commercial/industrial portion of Parcel L12-2-2 are presented in Table E-25. These data are the basis for the Appendix IX+3 evaluations presented in this section.

4.7.2.1 Screening Evaluation

Consistent with the protocols established in the SOW and summarized in Section 3.3.3 of this Conceptual Work Plan, the maximum concentrations of all detected constituents (other than dioxins/furans) were compared to their corresponding Screening PRGs. Table E-26 identifies the detected constituents and provides a comparison of the maximum detected concentration of each of those constituents to the applicable Screening PRG. In addition, as noted in Section 3.3.3, GE has screened out benzidine, which was detected in only 1 of 63 samples (at a concentration of 0.34 ppm), based on very low frequency of detection. As shown in Table E-26, the following constituents remain after the screening step:

- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Dibenzo(a,h)anthracene
- Indeno(1,2,3-cd)pyrene
- Arsenic

These constituents were retained for further evaluation, along with dioxin/furan TEQs.

4.7.2.2 Evaluation of Retained Constituents

For the Appendix IX+3 constituents retained for further evaluation, the next component of the Appendix IX+3 evaluation involved the comparison of average constituent concentrations (except for dioxin/furan TEQs) to the applicable MCP Method 1 soil standards and comparison of maximum dioxin/furan TEQ concentrations to the applicable EPA PRGs.

Tables E-27 through E-30 present the evaluations of retained constituents for the 0- to 1-foot, 0- to 3-foot, 1- to 6-foot, and 0- to 15-foot depth increments, respectively. As indicated in those tables, all dioxin/furan TEQ concentrations are below the applicable PRGs, and the average concentrations of the other retained constituents are less than the applicable Method 1 soil standards for each applicable depth increment. As a result, no remediation for Appendix IX+3 constituents is necessary at this area.

4.8 Utility Corridor Evaluations

As noted in Section 3.2.1, where utilities potentially subject to emergency repair requirements are present and the spatial average PCB concentration for the soils in the utility corridor exceeds 200 ppm, GE is required under the CD and SOW to evaluate the need for additional response actions. As explained in Section 3.2.4, GE conducted supplemental survey activities within Parcel K12-9-1 to further understand the presence/location of various utilities. Once the utility base mapping was finalized, GE

reviewed the PCB data from samples located within an approximately 50-foot wide band of existing utilities to determine which utility corridors required further evaluation. Through that evaluation, and subsequent discussions with EPA, GE confirmed that the only utility corridors within Unkamet Brook Area-West that required further evaluation were those located directly south and east of Buildings 105, 106, 118 and 121. Specifically, as indicated in Section 3.2.4, the following four corridors were subject to evaluation within Unkamet Brook Area–West: Unkamet Brook Area–West Utility Corridor #1; Unkamet Brook Area–West Utility Corridor #2E; Unkamet Brook Area–West Utility Corridor #2W; and Unkamet Brook Area–West Utility Corridor #3. The locations of these corridors are shown in Figure D-49. The remaining utility corridors within Unkamet Brook Area-West do not require further RD/RA evaluation since they do not contain a PCB detection within the relevant utility-related depth increments above the 200 ppm comparison level.

The utility corridor evaluations for each of the above-described utility corridors were performed in accordance with the evaluation procedures specified in Section 3.2.4 and are presented in Appendix D. Specifically, Figure D-50 presents the Theissen polygon mapping for the 1- to 6-foot depth increment for the utility corridors (or portions thereof) subject to evaluation. The following table presents the existing average PCB concentrations that were calculated for each utility corridor, including references to the corresponding table in Appendix D:

Utility Corridor	Appendix D Table Reference	Existing Average PCB Concentration (ppm)
Unkamet Brook Area–West Utility Corridor #1	D-29	930.37
Unkamet Brook Area–West Utility Corridor #2E	D-30	6,483.47
Unkamet Brook Area–West Utility Corridor #2W	D-31	0.59
Unkamet Brook Area–West Utility Corridor #3	D-32	4,633.65

As indicated in the above table, the existing spatial average PCB concentration for three of the four utility corridors is above the 200 ppm comparison level; therefore, additional evaluations are required for these areas. The existing spatial average PCB concentration associated with Unkamet Brook Area–West Utility Corridor #2W is below 200 ppm and thus requires no additional evaluation.

Based on the results of the utility-related PCB evaluations summarized above, GE has elected to conduct soil removal/replacement activities within the three corridors possessing spatial average PCB concentrations above 200 ppm to the limits shown on Figure 4-2. This remediation will involve the excavation of an additional approximately 800 in-situ cubic yards of soil beyond the removal proposed above for Parcel K12-9-1. Specifically, GE has elected to remove soils from polygons associated with sample location RAA10-N-CC18 (where PCBs were detected at 28,000 ppm [19,000 ppm in a duplicate sample] in the 1-to 6-foot depth increment) as well as soils from portions of polygons associated with sample location RAA10-N-AA19 (where PCBs were detected at 1,700 ppm in the 1- to 6-foot depth increment). For the areas adjacent to Building 120W and the equalization basin (shown as the concrete pad located north of Building 120W), where soil removal adjacent to these existing structures could create a potential stability issue for the structures, GE has proposed to leave one or more wedges of soil in place, angling down away from the structure, to provide support/prevent undermining of the structure's foundation. Cross sections of the proposed soil wedges are shown on Figures D-51 and D-52 in Appendix D and are consistent with similar activities conducted at other RAAs under the CD. For each polygon containing such a wedge, GE adjusted the procedures for calculating post-remediation PCB evaluations to reflect the PCBs left in place in the wedge(s). Specifically, GE calculated the volume of PCBs remaining in place in the wedge(s) and added that amount (less the amount of PCBs that would be present in clean fill) back into the volume of PCBs remaining in place at that polygon. Tables D-34, D-36, and D-38 present calculations showing the effect of these wedges on the PCB concentrations for the applicable depth increments. The soil wedges are shown on Figures D-51 and D-52 in Appendix D, and calculations are presented showing the wedge calculations and the adjusted PCB concentrations for the applicable depth increments. The resulting PCB concentrations are the post-remediation average PCB concentrations shown in the table below. As indicated in the table below, the proposed soil removal will reduce the spatial average PCB concentration within each of the three identified corridors below the 200 ppm comparison level.

Utility Corridor	Appendix D Table Reference	Post-Remediation Average PCB Concentration (ppm)
Unkamet Brook Area–West Utility Corridor #1	D-34	161.72
Unkamet Brook Area–West Utility Corridor #2E	D-36	161.26
Unkamet Brook Area–West Utility Corridor #3	D-38	89.67

Based on the information provided in the table above, no additional utility-related evaluations or remediation are proposed within Unkamet Brook Area–West.

4.9 Overall Summary

Based on the foregoing evaluations, the soil removal and engineered barrier limits that will be necessary to meet the PCB Performance Standards at Unkamet Brook Area-West are shown on Figures 4-2 and 4-3. The following table presents the estimated in-situ soil removal volume and engineered barrier area, if any, calculated for each averaging area:

Area	Estimated In-Situ Soil Removal Volume (cy)	Estimated Engineered Barrier Area (acres)
Parcel K11-7-2	0	0
Parcel K11-7-8	0	0
Parcel K11-7-9	0	0
Parcel K12-9-1 (Industrial)	2,700	0.3
Parcel L12-2-2 (Non-Industrial)	70	0
Parcel L12-2-2 (Industrial)	0	0
Total:	**2,770**	**0.3**

As indicated in the above table, the remediation for Unkamet Brook Area-West will involve the excavation of a total of approximately 2,770 in-situ cubic yards of soil and installation of approximately 0.3 acres of engineered barrier.

5. Preliminary Design Information and Future Design-Related Activities

5.1 General

Based on the PCB and Appendix IX+3 evaluations presented in Section 4 of this Conceptual Work Plan, the remediation identified for soils at Unkamet Brook Area-West will consist of soil removal/replacement and installation of an engineered barrier, as depicted on Figures 4-2 and 4-3. This section presents preliminary design information for the proposed remediation and discusses Applicable or Relevant and Appropriate Requirements (ARARs) for the remediation and associated actions within this area. In addition, this section describes future design-related activities and the anticipated contents of the Final RD/RA Work Plan.

In addition to soil remediation to meet the specified Performance Standards, the CD and SOW require implementation of a number of natural resource restoration/enhancement activities at the Unkamet Brook Area; however, these activities relate only to portions of Unkamet Brook Area–Remainder. As a result, natural resource restoration/enhancement activities associated with the Unkamet Brook RAA will be described in the forthcoming Conceptual RD/RA Work Plan for Unkamet Brook Area-Remainder.

5.2 Preliminary Design Information

In general, the remediation activities for soils at Unkamet Brook Area-West will be implemented in accordance with GE's *Construction Quality Assurance Plan* (CQAP), which is part of GE's *Project Operations Plan* (POP; latest revision – March 2007). The CQAP contains several technical specifications, which will serve as the basis for the performance of the proposed remedial activities for soils at Unkamet Brook Area-West, with appropriate modifications and/or supplements as necessary.

With respect to soil removal/replacement and installation of an engineered barrier, GE has conducted numerous response actions of similar scope and complexity. It is anticipated that similar excavation/construction equipment and methods will be utilized for soil remediation at the properties within Unkamet Brook Area-West. Additional details relating to these activities and associated restoration will be provided in the Final RD/RA Work Plan.

With respect to soil removal/replacement, to the extent relevant, the technical specifications contained in the CQAP relating to soil materials and to topsoil, seeding, and mulch will be followed in the performance of these actions, with modifications and/or supplements as needed. Further, potential sources of backfill and soil cover material will be identified and characterized in accordance with GE's *Soil Cover/Backfill Characterization Plan*, which is also part of the POP.

Engineered barrier installation activities will comply with the general requirements for such an engineered barrier set forth in Attachment G to the SOW. Further, technical specifications for several components of the engineered barrier (e.g., impermeable geomembrane and geosynthetic drainage composite) are included in the CQAP. Additional design information relating to the construction of an engineered barrier will be presented in the Final RD/RA Work Plan for Unkamet Brook Area-West.

Figure 5-1 shows the groundwater monitoring wells present at Unkamet Brook Area-West. As shown on that figure, none of the GMA 3 or GMA 4 wells are located within the areas where removal or installation of an engineered barrier is proposed.

5.3 Flood Storage Compensation

Portions of certain averaging areas within Unkamet Brook Area-West are located within the 100-year floodplain of the Housatonic River or Unkamet Brook. As part of the design activities (discussed in Section 5.5 of this Conceptual Work Plan), GE will consider the net effect that the remediation and associated activities for Unkamet Brook Area-West, in conjunction with those for Unkamet Brook Area-Remainder, will have on the existing flood storage capacity of these floodplains. For the soil removal/replacement activities, it is expected that the excavation and backfill/restoration activities will be conducted in such a manner as to re-establish the same general ground surface and topography of the affected areas, so that there would be no or minimal net change in flood storage capacity for these actions.

With respect to the installation of the engineered barrier, GE currently expects to offset any decrease in flood storage capacity through gains in flood storage capacity resulting from rerouting a certain portion of Unkamet Brook around the former interior landfill area as part of Unkamet Brook Area-Remainder. In forthcoming Final RD/RA Work Plans for the West and Remainder Areas, following completion of design activities, GE will provide a formal assessment, including specific calculations, regarding the volume of flood storage capacity that will be lost due to performance of engineered barrier installation. This assessment will take the above-referenced engineered barrier into consideration as well as the barrier to be placed over the former interior landfill area located in Unkamet Brook Area-Reminder.

As noted previously, in accordance with an EPA conditional approval letter dated March 26, 2008 regarding the Supplement to PDI Report, GE will restore various pavement areas within Unkamet Brook Area-West based on the results of a pavement inspection site walk with EPA. As indicated on Figures 4-1 and 4-2, two of these areas are located within the 100-year floodplain boundary. Specifically, the area located within Parcel K12-9-1 directly north of Building 51 and a portion of the area northeast of Building 119. To ensure that there would be no or minimal net change in flood storage capacity due to this pavement restoration, GE has elected to remove the existing pavement in these areas and place the

new pavement to approximately match the existing elevation. Please note the scope of pavement restoration activities is being conducted by GE based on the above-referenced EPA conditional approval letter and is not required as a response action to satisfy Performance Standards.

5.4 Identification of ARARs

The remediation and associated activities to be conducted at Unkamet Brook Area-West will be subject to several ARARs. Attachment B to the SOW identifies the chemical-, action-, and location-specific ARARs for the Removal Actions Outside the River. As noted above, the Removal Action for Unkamet Brook Area-West includes soil removal/replacement and installation of an engineered barrier. As shown on Figures 4-2 and 4-3, certain of these activities will be conducted within the 100-year floodplain of the Housatonic River or Unkamet Brook. In these circumstances, the Unkamet Brook Area-West Removal Action and associated activities will be subject to the following ARARs identified in Attachment B to the SOW: the action-specific ARARs identified in Table 2, subsection B ("Soil Removal"), subsection C ("Surface Cover Activities"), and potentially subsection K ("Other"); and the location-specific ARARs identified in Table 3, subsection B ("Floodplains, Wetlands, and Banks"). Further, excavation activities at Unkamet Brook Area-West involving the removal and on-site storage (at the GE Plant Area) of free product, intact drums, and/or other materials that will be subsequently disposed of off-site will be subject to the ARARs identified in Table 2, subsection H ("Temporary On-Site Storage of Free Product, Drums, and Equipment That Will Be Disposed of Off-Site") of Attachment B to the SOW.

These ARARs will be considered and incorporated in the final design of Unkamet Brook Area-West.

5.5 Future Design-Related Activities

This Conceptual Work Plan has preliminarily identified areas and depths subject to remediation within Unkamet Brook Area-West. Based on this information, GE will proceed with detailed and final design activities to support the performance of these remediation actions. Specifically, as part of the final design activities, GE will develop final plans related to soil removal/replacement, as well as construction of the engineered barrier. Further, GE will prepare technical drawings and specifications for such activities and develop ancillary information related to project implementation. These activities will be conducted in the course of preparing a Final RD/RA Work Plan and are discussed further below.

5.5.1 Final Removal Limits

As part of final design activities, GE will develop the final limits for the soil removal to be performed at Unkamet Brook Area-West. As indicated by review of the removal limits shown on Figures 4-2 and 4-3, the maximum depth of the planned excavation is approximately 6 feet below grade. Therefore, the stability of the excavation will require additional engineering controls beyond the soil wedges to be left in place described above in Section 4.8 (e.g., benching, side-wall support) to ensure the stability of the excavation sidewalls prior to backfilling. In addition, the final soil removal and engineered barrier limits may be adjusted to address constructability issues.

5.5.2 Technical Plans and Specifications

For the construction-related removal actions (i.e., soil removal/replacement and engineered barrier installation), technical plans and specifications will be developed as a component of the Final RD/RA Work Plan. These plans and specifications will define the acceptable construction materials and equipment to be used in these actions, as well as specific procedures to be used and expected performance of the remediation contractor. As discussed in Section 5.2, those plans and specifications will be based, to the extent relevant, on the technical specifications provided in the CQAP, with modifications and/or supplements as necessary or appropriate.

5.5.3 Implementation Planning

The plans contained in GE's POP describe the minimum requirements, general activities, protocols, and methodologies that are applicable to the Removal Actions Outside the River. While the contents of the POP provide information and details sufficient to support various aspects of the removal actions, there are several instances where the POP requires more site-specific information. Several such items are listed below and will be incorporated in the final technical design or otherwise addressed in the Final Work Plan or a subsequent Supplemental Information Package (following selection of a remediation contractor) as appropriate:

- Incorporation of appropriate geotechnical information into the technical design for the construction of the engineered barrier;
- Locations and scope of ambient air monitoring activities during construction activities;
- Evaluation of materials for disposition in accordance with the *Waste Characterization Plan* (part of the POP);
- Organizations, roles, and responsibilities involved in construction quality assurance;

- Contractor Health and Safety Plan;
- Contractor Contingency and Emergency Procedures Plan; and
- Identification of backfill material and soil cover sources.

Additional information to be included in the Final RD/RA Work Plan, as required in Section 3.4 of the SOW, is presented below in Section 5.6.

5.6 Contents of Final RD/RA Work Plan

As discussed in Section 6, following EPA approval of this Conceptual Work Plan, GE will submit a Final RD/RA Work Plan for Unkamet Brook Area-West which will include a detailed description regarding design and implementation of the proposed remediation activities. That plan will also include the following information:

- Final limits and depths for the soil removals and engineered barrier as well as conversion of the removal depths to elevations;
- Detailed design of the soil removal/replacement activities and installation of the engineered barrier, including the design-related information described in Sections 5.5.1 and 5.5.2;
- Specific calculations regarding the impact of the soil remediation activities on flood storage capacity (and any flood storage compensation required);
- Description of implementation details concerning performance of these actions, including the items described in Section 5.5.3;
- Description, as necessary, of the procedures to be implemented to ensure attainment of the ARARs (identified in Section 5.4);
- Identification of the Removal Action team, including key personnel, roles and responsibilities, and lines of authority;
- Proposed implementation schedule;
- Any necessary updates or supplements to the CQAP;
- Post-Removal Site Control Plan; and
- Summary of project closeout requirements.

6. Schedule

GE proposes to complete the remaining design-related activities related to Unkamet Brook Area-West and submit the Final RD/RA Work Plan for that area within 6 months of EPA approval of this Conceptual Work Plan.

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Tables

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Table 1

Additional Supplemental Soil Sampling Data for PCBs

TABLE 1
ADDITIONAL SUPPLEMENTAL SOIL SAMPLING DATA FOR PCBS

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-W-G5	0-1	7/22/2008	ND(0.032)	ND(0.032)	ND(0.032)	0.015 J	0.015 J
	1-6	7/22/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	6-15	7/22/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-H3	0-1	7/22/2008	ND(0.032)	ND(0.032)	ND(0.032)	0.024 J	0.024 J
	1-6	7/22/2008	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	7/22/2008	ND(0.031)	ND(0.031)	ND(0.031)	ND(0.031)	ND(0.031)
RAA10-W-H5	0-1	7/23/2008	ND(0.031) [ND(0.033)]	ND(0.031) [ND(0.033)]	ND(0.031) [0.015 J]	0.025 J [0.034]	0.025 J [0.049]
	1-6	7/23/2008	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	7/23/2008	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-H6	0-1	7/24/2008	ND(0.033)	ND(0.033)	0.23	0.16	0.39
	1-6	7/24/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	6-12	7/24/2008	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-I3	0-1	7/22/2008	ND(0.031)	ND(0.031)	ND(0.031)	0.011 J	0.011 J
	1-6	7/22/2008	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]
	6-15	7/22/2008	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-I4	0-1	7/23/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	1-6	7/23/2008	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	6-15	7/23/2008	ND(0.031)	ND(0.031)	ND(0.031)	ND(0.031)	ND(0.031)
RAA10-W-I5	0-1	7/21/2008	ND(0.033)	ND(0.033)	ND(0.033)	0.012 J	0.012 J
	1-6	7/21/2008	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-12	7/21/2008	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-I6	0-1	7/25/2008	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
	1-6	7/25/2008	ND(0.031)	ND(0.031)	ND(0.031)	ND(0.031)	ND(0.031)
	6-11	7/25/2008	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
RAA10-W-J2	0-1	7/22/2008	ND(0.032)	ND(0.032)	ND(0.032)	0.020 J	0.020 J
	1-6	7/22/2008	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	6-15	7/22/2008	ND(0.037)	ND(0.037)	ND(0.037)	0.026 J	0.026 J
RAA10-W-J3	0-1	7/23/2008	ND(0.033)	ND(0.033)	ND(0.033)	0.027 J	0.027 J
	1-6	7/23/2008	ND(0.035)	ND(0.035)	0.020 J	0.067	0.087
	6-15	7/23/2008	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-J5	0-1	7/25/2008	ND(0.032)	ND(0.032)	ND(0.032)	0.016 J	0.016 J
	1-6	7/25/2008	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
	6-8	7/25/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-M7	0-1	7/25/2008	ND(0.034)	ND(0.034)	0.022 J	0.019 J	0.041 J
	1-6	7/25/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	6-15	7/25/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-N8	0-1	7/25/2008	ND(0.034)	ND(0.034)	0.011 J	0.016 J	0.027 J
	1-6	7/25/2008	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]
	6-15	7/25/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-P8	0-1	7/25/2008	ND(0.034)	ND(0.034)	0.048	0.095	0.143
	1-6	7/25/2008	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
	6-15	7/25/2008	ND(0.032)	ND(0.032)	0.012 J	ND(0.032)	0.012 J
RAA10-W-T12	0-1	8/25/2008	ND(0.033)	ND(0.033)	ND(0.033)	0.12	0.12
	1-6	8/25/2008	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	6-15	8/25/2008	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
UB-UTL-1	1-6	7/28/2008	ND(0.033)	ND(0.033)	0.12	ND(0.033)	0.12
UB-UTL-2	1-6	7/28/2008	ND(1.8)	26	25	ND(1.8)	51
UB-UTL-3	1-6	7/28/2008	ND(360)	ND(360)	3500	ND(360)	3500

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

Data Qualifiers:

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

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Table 2

Additional Supplemental Soil Sampling Appendix IX+3 Data

TABLE 2
ADDITIONAL SUPPLEMENTAL SOIL SAMPLING APPENDIX IX+3 DATA

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-W-G5 0-1 07/22/08	RAA10-W-G5 1-6 07/22/08	RAA10-W-G5 3-4 07/22/08	RAA10-W-H3 1-6 07/22/08	RAA10-W-H3 4-6 07/22/08
Volatile Organics						
2-Butanone		ND(0.013)	NA	ND(0.015)	NA	ND(0.014)
Acetone		0.017	NA	0.012 J	NA	0.013 J
Benzene		ND(0.0053)	NA	ND(0.0059)	NA	ND(0.0055)
Methylene Chloride		ND(0.0053)	NA	0.0015 J	NA	ND(0.0055)
Toluene		ND(0.0053)	NA	ND(0.0059)	NA	ND(0.0055)
Semivolatile Organics						
bis(2-Ethylhexyl)phthalate		ND(0.32)	ND(0.35)	NA	ND(0.36)	NA
Chrysene		ND(0.32)	ND(0.35)	NA	ND(0.36)	NA
Dibenzo(a,h)anthracene		ND(0.32)	ND(0.35)	NA	ND(0.36)	NA
Fluoranthene		ND(0.32)	ND(0.35)	NA	ND(0.36)	NA
Fluorene		ND(0.32)	ND(0.35)	NA	ND(0.36)	NA
Indeno(1,2,3-cd)pyrene		ND(0.32)	ND(0.35)	NA	ND(0.36)	NA
Naphthalene		ND(0.32)	ND(0.35)	NA	ND(0.36)	NA
Phenanthrene		ND(0.32)	ND(0.35)	NA	ND(0.36)	NA
Pyrene		ND(0.32)	ND(0.35)	NA	ND(0.36)	NA
Acenaphthylene		ND(0.32)	ND(0.35)	NA	ND(0.36)	NA
Anthracene		ND(0.32)	ND(0.35)	NA	ND(0.36)	NA
Benzo(a)anthracene		ND(0.32)	ND(0.35)	NA	ND(0.36)	NA
Benzo(a)pyrene		ND(0.32)	ND(0.35)	NA	ND(0.36)	NA
Benzo(b)fluoranthene		ND(0.32)	ND(0.35)	NA	ND(0.36)	NA
Benzo(g,h,i)perylene		ND(0.32)	ND(0.35)	NA	ND(0.36)	NA
Benzo(k)fluoranthene		ND(0.32)	ND(0.35)	NA	ND(0.36)	NA
Furans						
2,3,7,8-TCDF		ND(0.00000021) X	ND(0.00000028)	NA	ND(0.00000023)	NA
TCDFs (total)		0.0000049	ND(0.00000028)	NA	ND(0.00000024)	NA
1,2,3,7,8-PeCDF		ND(0.00000054)	ND(0.00000058)	NA	ND(0.00000056)	NA
2,3,4,7,8-PeCDF		0.0000013 J	ND(0.00000058)	NA	ND(0.00000056)	NA
PeCDFs (total)		0.000016	ND(0.00000058)	NA	ND(0.00000056)	NA
1,2,3,4,7,8-HxCDF		ND(0.00000054)	ND(0.00000058)	NA	ND(0.00000056)	NA
1,2,3,6,7,8-HxCDF		ND(0.00000054)	ND(0.00000058)	NA	ND(0.00000056)	NA
1,2,3,7,8,9-HxCDF		ND(0.00000054)	ND(0.00000058)	NA	ND(0.00000056)	NA
2,3,4,6,7,8-HxCDF		0.00000065 J	ND(0.00000058)	NA	ND(0.00000056)	NA
HxCDFs (total)		0.0000082	ND(0.00000058)	NA	ND(0.00000056)	NA
1,2,3,4,6,7,8-HpCDF		0.00000073 J	ND(0.00000058)	NA	ND(0.00000056)	NA
1,2,3,4,7,8,9-HpCDF		ND(0.00000054)	ND(0.00000058)	NA	ND(0.00000056)	NA
HpCDFs (total)		0.0000014 J	ND(0.00000058)	NA	ND(0.00000056)	NA
OCDF		ND(0.0000011)	ND(0.0000012)	NA	ND(0.0000011)	NA
Dioxins						
2,3,7,8-TCDD		ND(0.00000019)	ND(0.00000027)	NA	ND(0.00000029)	NA
TCDDs (total)		ND(0.00000019)	ND(0.00000027)	NA	ND(0.00000029)	NA
1,2,3,7,8-PeCDD		ND(0.00000054)	ND(0.00000058)	NA	ND(0.00000056)	NA
PeCDDs (total)		ND(0.00000054)	ND(0.00000058)	NA	ND(0.00000056)	NA
1,2,3,4,7,8-HxCDD		ND(0.00000054)	ND(0.00000058)	NA	ND(0.00000056)	NA
1,2,3,6,7,8-HxCDD		ND(0.00000054)	ND(0.00000058)	NA	ND(0.00000056)	NA
1,2,3,7,8,9-HxCDD		ND(0.00000054)	ND(0.00000058)	NA	ND(0.00000056)	NA
HxCDDs (total)		0.00000089 J	ND(0.00000058)	NA	ND(0.00000056)	NA
1,2,3,4,6,7,8-HpCDD		0.0000010 J	ND(0.00000058)	NA	ND(0.00000056)	NA
HpCDDs (total)		0.0000021 J	ND(0.00000058)	NA	ND(0.00000056)	NA
OCDD		0.0000046 J	0.0000044 J	NA	0.0000036 J	NA
Total TEQs (WHO TEFs)		0.0000013	0.00000081	NA	0.00000079	NA

TABLE 2
ADDITIONAL SUPPLEMENTAL SOIL SAMPLING APPENDIX IX+3 DATA

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-W-G5 0-1 07/22/08	RAA10-W-G5 1-6 07/22/08	RAA10-W-G5 3-4 07/22/08	RAA10-W-H3 1-6 07/22/08	RAA10-W-H3 4-6 07/22/08
Inorganics						
Cyanide		ND(0.760)	ND(0.750)	NA	ND(0.960)	NA
Sulfide		30.0	ND(2.80)	NA	14.0	NA
Antimony		ND(4.10)	ND(4.08)	NA	ND(4.47)	NA
Arsenic		10.4	3.52	NA	7.56	NA
Barium		28.5 B	30.7 B	NA	55.0 B	NA
Beryllium		ND(1.03)	1.07	NA	ND(1.12)	NA
Chromium		13.0	9.65	NA	17.6	NA
Cobalt		12.9	7.34	NA	13.5	NA
Copper		37.1	15.7 B	NA	28.5	NA
Lead		17.6	6.90	NA	12.4	NA
Mercury		ND(0.0403)	ND(0.0408)	NA	0.00333 B	NA
Nickel		23.2	14.2	NA	27.6	NA
Selenium		8.26	5.16	NA	9.28	NA
Silver		0.226 B	ND(1.02)	NA	ND(1.12)	NA
Thallium		1.24	ND(1.02)	NA	ND(1.12)	NA
Tin		0.790 B	ND(10.2)	NA	ND(11.2)	NA
Vanadium		11.7	8.71	NA	15.6	NA
Zinc		63.2	47.2	NA	86.8	NA

TABLE 2
ADDITIONAL SUPPLEMENTAL SOIL SAMPLING APPENDIX IX+3 DATA

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID / Sample Depth(Feet) / Date Collected:	RAA10-W-H6 0-1 07/24/08	RAA10-W-H6 6-12 07/24/08	RAA10-W-H6 10-12 07/24/08	RAA10-W-I4 0-1 07/23/08	RAA10-W-I4 1-6 07/23/08
Volatile Organics					
2-Butanone	0.014	NA	ND(0.014)	0.025	NA
Acetone	0.063	NA	0.017	0.091	NA
Benzene	0.0013 J	NA	ND(0.0056)	ND(0.0055)	NA
Methylene Chloride	ND(0.0051)	NA	ND(0.0056)	0.0018 J	NA
Toluene	0.0029 J	NA	ND(0.0056)	ND(0.0055)	NA
Semivolatile Organics					
bis(2-Ethylhexyl)phthalate	ND(0.33)	ND(0.35)	NA	ND(0.35)	ND(0.33)
Chrysene	1.5	ND(0.35)	NA	ND(0.35)	ND(0.33)
Dibenzo(a,h)anthracene	0.53	ND(0.35)	NA	ND(0.35)	ND(0.33)
Fluoranthene	1.9	ND(0.35)	NA	ND(0.35)	ND(0.33)
Fluorene	0.059 J	ND(0.35)	NA	ND(0.35)	ND(0.33)
Indeno(1,2,3-cd)pyrene	0.73	ND(0.35)	NA	ND(0.35)	ND(0.33)
Naphthalene	0.095 J	ND(0.35)	NA	ND(0.35)	ND(0.33)
Phenanthrene	0.25 J	ND(0.35)	NA	ND(0.35)	ND(0.33)
Pyrene	2.5	ND(0.35)	NA	ND(0.35)	ND(0.33)
Acenaphthylene	0.75	ND(0.35)	NA	ND(0.35)	ND(0.33)
Anthracene	0.21 J	ND(0.35)	NA	ND(0.35)	ND(0.33)
Benzo(a)anthracene	1.4	ND(0.35)	NA	ND(0.35)	ND(0.33)
Benzo(a)pyrene	1.9	ND(0.35)	NA	ND(0.35)	ND(0.33)
Benzo(b)fluoranthene	2.5	ND(0.35)	NA	ND(0.35)	ND(0.33)
Benzo(g,h,i)perylene	0.71	ND(0.35)	NA	ND(0.35)	ND(0.33)
Benzo(k)fluoranthene	1.2	ND(0.35)	NA	ND(0.35)	ND(0.33)
Furans					
2,3,7,8-TCDF	0.0000035 J	ND(0.00000089) X	NA	0.00000018 J	ND(0.00000017) X
TCDFs (total)	0.00015	ND(0.00000053)	NA	0.00000038	0.00000098
1,2,3,7,8-PeCDF	ND(0.0000026)	ND(0.00000056)	NA	ND(0.00000052)	ND(0.00000051)
2,3,4,7,8-PeCDF	0.000044	ND(0.00000056)	NA	ND(0.00000052)	ND(0.00000051)
PeCDFs (total)	0.00047 Q	ND(0.00000056)	NA	ND(0.00000052)	0.0000027
1,2,3,4,7,8-HxCDF	0.0000060 J	ND(0.00000056)	NA	ND(0.00000052)	ND(0.00000051)
1,2,3,6,7,8-HxCDF	0.0000074 J	ND(0.00000056)	NA	ND(0.00000052)	ND(0.00000051)
1,2,3,7,8,9-HxCDF	ND(0.0000041)	ND(0.00000056)	NA	ND(0.00000052)	ND(0.00000051)
2,3,4,6,7,8-HxCDF	0.000016 J	ND(0.00000056)	NA	ND(0.00000052)	ND(0.00000051)
HxCDFs (total)	0.00024	ND(0.00000056)	NA	0.00000048	0.0000014
1,2,3,4,6,7,8-HpCDF	0.000018 J	ND(0.00000056)	NA	ND(0.00000052)	ND(0.00000051)
1,2,3,4,7,8,9-HpCDF	ND(0.0000063)	ND(0.00000056)	NA	ND(0.00000052)	ND(0.00000051)
HpCDFs (total)	0.000018	ND(0.00000056)	NA	0.00000079	0.00000021
OCDF	ND(0.000013)	ND(0.0000011)	NA	ND(0.0000010)	ND(0.0000010)
Dioxins					
2,3,7,8-TCDD	ND(0.0000020) Q	ND(0.00000024)	NA	ND(0.00000018)	ND(0.00000018)
TCDDs (total)	ND(0.0000020) Q	ND(0.00000024)	NA	ND(0.00000018)	ND(0.00000018)
1,2,3,7,8-PeCDD	ND(0.0000030) Q	ND(0.00000056)	NA	ND(0.00000052)	ND(0.00000051)
PeCDDs (total)	0.000017 Q	ND(0.00000056)	NA	ND(0.00000052)	ND(0.00000051)
1,2,3,4,7,8-HxCDD	ND(0.0000032)	ND(0.00000056)	NA	ND(0.00000052)	ND(0.00000051)
1,2,3,6,7,8-HxCDD	ND(0.0000076) X	ND(0.00000056)	NA	ND(0.00000052)	ND(0.00000051)
1,2,3,7,8,9-HxCDD	0.0000041 J	ND(0.00000056)	NA	ND(0.00000052)	ND(0.00000051)
HxCDDs (total)	0.000049	ND(0.00000056)	NA	ND(0.00000052)	ND(0.00000051)
1,2,3,4,6,7,8-HpCDD	0.000015 J	ND(0.00000057)	NA	ND(0.00000054) X	ND(0.00000051)
HpCDDs (total)	0.000034	0.00000046	NA	0.00000063	0.00000030
OCDD	0.000027 J	0.0000042 J	NA	0.0000047 J	0.0000037 J
Total TEQs (WHO TEFs)	0.000030	0.00000081	NA	0.00000071	0.00000067

TABLE 2
ADDITIONAL SUPPLEMENTAL SOIL SAMPLING APPENDIX IX+3 DATA

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-W-H6 0-1 07/24/08	RAA10-W-H6 6-12 07/24/08	RAA10-W-H6 10-12 07/24/08	RAA10-W-I4 0-1 07/23/08	RAA10-W-I4 1-6 07/23/08
Inorganics						
Cyanide		ND(0.850)	ND(0.750)	NA	ND(0.860)	ND(0.770)
Sulfide		ND(2.20)	ND(2.20)	NA	15.0	17.0
Antimony		ND(4.24)	ND(4.58)	NA	1.30 B	ND(4.17)
Arsenic		2.75	4.02	NA	12.0	3.86
Barium		11.7 B	28.3 B	NA	23.0 B	21.5 B
Beryllium		ND(1.06)	ND(1.14)	NA	ND(0.993)	ND(1.04)
Chromium		4.06	10.0	NA	14.8	8.18
Cobalt		3.69	7.61	NA	16.2	6.26
Copper		8.90 B	14.8 B	NA	41.6	14.8 B
Lead		6.48	6.76	NA	14.3	6.82
Mercury		0.0108 B	ND(0.0440)	NA	ND(0.0390)	ND(0.0388)
Nickel		6.58	14.4	NA	28.1	12.4
Selenium		2.30	4.93	NA	10.5	4.08
Silver		ND(1.06)	ND(1.14)	NA	0.242 B	ND(1.04)
Thallium		ND(1.06)	ND(1.14)	NA	1.28	ND(1.04)
Tin		ND(10.6)	ND(11.4)	NA	0.986 B	0.541 B
Vanadium		10.7	9.44	NA	13.2	6.88
Zinc		19.6	54.0	NA	77.5	39.9

TABLE 2
ADDITIONAL SUPPLEMENTAL SOIL SAMPLING APPENDIX IX+3 DATA

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID / Sample Depth(Feet) / Date Collected:	RAA10-W-I4 4-6 07/23/08	RAA10-W-J2 0-1 07/22/08	RAA10-W-J2 6-15 07/22/08	RAA10-W-J2 8-10 07/22/08	RAA10-W-J5 1-3 07/25/08
Volatile Organics					
2-Butanone	ND(0.012)	0.018	NA	ND(0.014)	ND(0.014)
Acetone	0.017	0.086	NA	0.024	0.022
Benzene	0.0012 J	ND(0.0049)	NA	ND(0.0055)	ND(0.0058)
Methylene Chloride	0.0021 J	0.0016 J	NA	0.0017 J	ND(0.0058)
Toluene	ND(0.0050)	ND(0.0049)	NA	ND(0.0055)	ND(0.0058)
Semivolatile Organics					
bis(2-Ethylhexyl)phthalate	NA	ND(0.32)	ND(0.35)	NA	NA
Chrysene	NA	0.032 J	ND(0.35)	NA	NA
Dibenzo(a,h)anthracene	NA	ND(0.32)	ND(0.35)	NA	NA
Fluoranthene	NA	0.058 J	0.083 J	NA	NA
Fluorene	NA	ND(0.32)	ND(0.35)	NA	NA
Indeno(1,2,3-cd)pyrene	NA	ND(0.32)	ND(0.35)	NA	NA
Naphthalene	NA	ND(0.32)	ND(0.35)	NA	NA
Phenanthrene	NA	ND(0.32)	0.062 J	NA	NA
Pyrene	NA	0.055 J	0.076 J	NA	NA
Acenaphthylene	NA	ND(0.32)	ND(0.35)	NA	NA
Anthracene	NA	ND(0.32)	ND(0.35)	NA	NA
Benzo(a)anthracene	NA	ND(0.32)	ND(0.35)	NA	NA
Benzo(a)pyrene	NA	ND(0.32)	ND(0.35)	NA	NA
Benzo(b)fluoranthene	NA	ND(0.32)	ND(0.35)	NA	NA
Benzo(g,h,i)perylene	NA	ND(0.32)	ND(0.35)	NA	NA
Benzo(k)fluoranthene	NA	ND(0.32)	ND(0.35)	NA	NA
Furans					
2,3,7,8-TCDF	NA	ND(0.00000025) X	0.0000022 Y	NA	NA
TCDFs (total)	NA	0.0000032	0.000019	NA	NA
1,2,3,7,8-PeCDF	NA	ND(0.00000053)	ND(0.00000067)	NA	NA
2,3,4,7,8-PeCDF	NA	0.00000093 J	0.0000013 J	NA	NA
PeCDFs (total)	NA	0.0000096	0.000011	NA	NA
1,2,3,4,7,8-HxCDF	NA	ND(0.00000053)	ND(0.00000067)	NA	NA
1,2,3,6,7,8-HxCDF	NA	ND(0.00000053)	ND(0.00000067)	NA	NA
1,2,3,7,8,9-HxCDF	NA	ND(0.00000053)	ND(0.00000067)	NA	NA
2,3,4,6,7,8-HxCDF	NA	0.00000089 J	0.00000073 J	NA	NA
HxCDFs (total)	NA	0.0000099	0.0000077	NA	NA
1,2,3,4,6,7,8-HpCDF	NA	0.0000032 J	0.0000014 J	NA	NA
1,2,3,4,7,8,9-HpCDF	NA	ND(0.00000053)	ND(0.00000067)	NA	NA
HpCDFs (total)	NA	0.0000073	0.0000029 J	NA	NA
OCDF	NA	0.0000068 J	0.0000018 J	NA	NA
Dioxins					
2,3,7,8-TCDD	NA	ND(0.00000022)	ND(0.00000024)	NA	NA
TCDDs (total)	NA	ND(0.00000022)	ND(0.00000024)	NA	NA
1,2,3,7,8-PeCDD	NA	ND(0.00000053)	ND(0.00000067)	NA	NA
PeCDDs (total)	NA	ND(0.00000053)	ND(0.00000067)	NA	NA
1,2,3,4,7,8-HxCDD	NA	ND(0.00000053)	ND(0.00000067)	NA	NA
1,2,3,6,7,8-HxCDD	NA	ND(0.00000053)	ND(0.00000067)	NA	NA
1,2,3,7,8,9-HxCDD	NA	ND(0.00000053)	ND(0.00000067)	NA	NA
HxCDDs (total)	NA	0.0000011 J	ND(0.00000067)	NA	NA
1,2,3,4,6,7,8-HpCDD	NA	0.0000062	0.0000018 J	NA	NA
HpCDDs (total)	NA	0.000011	0.0000033 J	NA	NA
OCDD	NA	0.000044	0.000016	NA	NA
Total TEQs (WHO TEFs)	NA	0.0000012	0.0000016	NA	NA

TABLE 2
ADDITIONAL SUPPLEMENTAL SOIL SAMPLING APPENDIX IX+3 DATA

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-W-I4 4-6 07/23/08	RAA10-W-J2 0-1 07/22/08	RAA10-W-J2 6-15 07/22/08	RAA10-W-J2 8-10 07/22/08	RAA10-W-J5 1-3 07/25/08
Inorganics						
Cyanide		NA	ND(0.730)	ND(0.860)	NA	NA
Sulfide		NA	ND(2.70)	23.0	NA	NA
Antimony		NA	0.990 B	ND(4.53)	NA	NA
Arsenic		NA	25.0	5.60	NA	NA
Barium		NA	17.9 B	38.4 B	NA	NA
Beryllium		NA	ND(0.994)	ND(1.13)	NA	NA
Chromium		NA	14.1	11.9	NA	NA
Cobalt		NA	12.5	10.9	NA	NA
Copper		NA	35.3	58.0	NA	NA
Lead		NA	13.1	11.2	NA	NA
Mercury		NA	0.00345 B	0.0146 B	NA	NA
Nickel		NA	22.4	20.5	NA	NA
Selenium		NA	9.58	7.84	NA	NA
Silver		NA	0.125 B	ND(1.13)	NA	NA
Thallium		NA	ND(0.994)	ND(1.13)	NA	NA
Tin		NA	1.25 B	0.562 B	NA	NA
Vanadium		NA	11.0	12.0	NA	NA
Zinc		NA	63.3	67.5	NA	NA

TABLE 2
ADDITIONAL SUPPLEMENTAL SOIL SAMPLING APPENDIX IX+3 DATA

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID / Sample Depth(Feet) / Date Collected:	RAA10-W-J5 1-6 07/25/08	RAA10-W-M7 0-1 07/25/08	RAA10-W-M7 6-8 07/25/08	RAA10-W-M7 6-15 07/25/08
Volatile Organics				
2-Butanone	NA	0.0063 J	ND(0.012)	NA
Acetone	NA	0.084	ND(0.012)	NA
Benzene	NA	ND(0.0046)	ND(0.0050)	NA
Methylene Chloride	NA	ND(0.0046)	ND(0.0050)	NA
Toluene	NA	ND(0.0046)	ND(0.0050)	NA
Semivolatile Organics				
bis(2-Ethylhexyl)phthalate	ND(0.32)	ND(0.34)	NA	ND(0.34)
Chrysene	ND(0.32)	ND(0.34)	NA	ND(0.34)
Dibenzo(a,h)anthracene	ND(0.32)	ND(0.34)	NA	ND(0.34)
Fluoranthene	ND(0.32)	ND(0.34)	NA	ND(0.34)
Fluorene	ND(0.32)	ND(0.34)	NA	ND(0.34)
Indeno(1,2,3-cd)pyrene	ND(0.32)	ND(0.34)	NA	ND(0.34)
Naphthalene	ND(0.32)	ND(0.34)	NA	ND(0.34)
Phenanthrene	ND(0.32)	ND(0.34)	NA	ND(0.34)
Pyrene	ND(0.32)	ND(0.34)	NA	ND(0.34)
Acenaphthylene	ND(0.32)	ND(0.34)	NA	ND(0.34)
Anthracene	ND(0.32)	ND(0.34)	NA	ND(0.34)
Benzo(a)anthracene	ND(0.32)	ND(0.34)	NA	ND(0.34)
Benzo(a)pyrene	ND(0.32)	ND(0.34)	NA	ND(0.34)
Benzo(b)fluoranthene	ND(0.32)	ND(0.34)	NA	ND(0.34)
Benzo(g,h,i)perylene	ND(0.32)	ND(0.34)	NA	ND(0.34)
Benzo(k)fluoranthene	ND(0.32)	ND(0.34)	NA	ND(0.34)
Furans				
2,3,7,8-TCDF	ND(0.00000024)	ND(0.00000048)	NA	0.00000020 J
TCDFs (total)	ND(0.00000024)	ND(0.00000048)	NA	0.00000062
1,2,3,7,8-PeCDF	ND(0.00000052)	ND(0.00000053)	NA	ND(0.00000054)
2,3,4,7,8-PeCDF	ND(0.00000052)	ND(0.00000053)	NA	ND(0.00000054)
PeCDFs (total)	ND(0.00000052)	0.00000053	NA	0.00000019
1,2,3,4,7,8-HxCDF	ND(0.00000052)	ND(0.00000053)	NA	ND(0.00000054)
1,2,3,6,7,8-HxCDF	ND(0.00000052)	ND(0.00000053)	NA	ND(0.00000054)
1,2,3,7,8,9-HxCDF	ND(0.00000052)	ND(0.00000053)	NA	ND(0.00000054)
2,3,4,6,7,8-HxCDF	ND(0.00000052)	ND(0.00000053)	NA	ND(0.00000054)
HxCDFs (total)	ND(0.00000052)	0.0000025	NA	0.00000029
1,2,3,4,6,7,8-HpCDF	ND(0.00000052)	0.00000085 J	NA	0.00000056 J
1,2,3,4,7,8,9-HpCDF	ND(0.00000052)	ND(0.00000059)	NA	ND(0.00000054)
HpCDFs (total)	ND(0.00000052)	0.0000016	NA	0.00000075
OCDF	ND(0.0000010)	ND(0.0000014)	NA	ND(0.0000011)
Dioxins				
2,3,7,8-TCDD	ND(0.00000023)	ND(0.00000044)	NA	ND(0.00000017)
TCDDs (total)	ND(0.00000023)	ND(0.00000044)	NA	ND(0.00000017)
1,2,3,7,8-PeCDD	ND(0.00000052)	ND(0.00000053)	NA	ND(0.00000054)
PeCDDs (total)	ND(0.00000052)	ND(0.00000053)	NA	ND(0.00000054) Q
1,2,3,4,7,8-HxCDD	ND(0.00000052)	ND(0.00000061)	NA	ND(0.00000054)
1,2,3,6,7,8-HxCDD	ND(0.00000052)	ND(0.00000056)	NA	ND(0.00000054)
1,2,3,7,8,9-HxCDD	ND(0.00000052)	ND(0.00000061)	NA	ND(0.00000054)
HxCDDs (total)	ND(0.00000052)	ND(0.00000061)	NA	ND(0.00000054)
1,2,3,4,6,7,8-HpCDD	ND(0.00000052)	0.0000011 J	NA	ND(0.00000054)
HpCDDs (total)	0.00000037	0.0000011	NA	0.00000088
OCDD	0.0000032 J	0.0000071 J	NA	0.0000032 J
Total TEQs (WHO TEFs)	0.00000072	0.00000087	NA	0.00000073

TABLE 2
ADDITIONAL SUPPLEMENTAL SOIL SAMPLING APPENDIX IX+3 DATA

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-W-J5 1-6 07/25/08	RAA10-W-M7 0-1 07/25/08	RAA10-W-M7 6-8 07/25/08	RAA10-W-M7 6-15 07/25/08
Inorganics					
Cyanide		ND(0.910)	1.10	NA	ND(0.930)
Sulfide		ND(2.20)	ND(2.20)	NA	ND(2.10)
Antimony		ND(3.84)	ND(4.30)	NA	ND(4.31)
Arsenic		5.11	6.15	NA	3.03
Barium		34.0 B	35.5 B	NA	17.6 B
Beryllium		ND(0.961)	0.867 B	NA	ND(1.08)
Chromium		11.4	11.6	NA	6.75
Cobalt		8.74	10.1	NA	5.51
Copper		18.3 B	19.4 B	NA	11.4 B
Lead		8.27	9.29	NA	5.58
Mercury		ND(0.0384)	0.0184 B	NA	ND(0.0415)
Nickel		17.1	17.4	NA	10.4
Selenium		5.56	6.26	NA	3.90
Silver		ND(0.961)	ND(1.08)	NA	ND(1.08)
Thallium		0.905 B	ND(1.08)	NA	ND(1.08)
Tin		ND(9.61)	ND(10.8)	NA	ND(10.8)
Vanadium		10.9	15.2	NA	6.59
Zinc		56.7	56.0	NA	37.6

TABLE 2
ADDITIONAL SUPPLEMENTAL SOIL SAMPLING DATA FOR APPENDIX IX+3 DATA

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-W-N8 1-6 07/25/08	RAA10-W-N8 3-4 07/25/08	RAA10-W-P8 0-1 07/25/08	RAA10-W-T12 0-1 08/25/08
Volatile Organics				
2-Butanone	NA	ND(0.014)	0.0080 J	ND(0.025)
Acetone	NA	0.037	0.10	0.070
Benzene	NA	ND(0.0054)	ND(0.0053)	ND(0.0049)
Methylene Chloride	NA	ND(0.0054)	ND(0.0053)	0.0041 J
Toluene	NA	ND(0.0054)	ND(0.0053)	ND(0.0049)
Semivolatile Organics				
bis(2-Ethylhexyl)phthalate	ND(0.33) [ND(0.33)]	NA	ND(0.35)	0.066 J
Chrysene	ND(0.33) [ND(0.33)]	NA	0.21 J	0.18 J
Dibenzo(a,h)anthracene	ND(0.33) [ND(0.33)]	NA	ND(0.35)	ND(0.33)
Fluoranthene	ND(0.33) [ND(0.33)]	NA	0.36	0.31 J
Fluorene	ND(0.33) [ND(0.33)]	NA	ND(0.35)	ND(0.33)
Indeno(1,2,3-cd)pyrene	ND(0.33) [ND(0.33)]	NA	0.30 J	0.073 J
Naphthalene	ND(0.33) [ND(0.33)]	NA	ND(0.35)	ND(0.33)
Phenanthrene	ND(0.33) [ND(0.33)]	NA	0.19 J	0.14 J
Pyrene	ND(0.33) [ND(0.33)]	NA	0.37	0.30 J
Acenaphthylene	ND(0.33) [ND(0.33)]	NA	ND(0.35)	ND(0.33)
Anthracene	ND(0.33) [ND(0.33)]	NA	ND(0.35)	ND(0.33)
Benzo(a)anthracene	ND(0.33) [ND(0.33)]	NA	0.15 J	0.15 J
Benzo(a)pyrene	ND(0.33) [ND(0.33)]	NA	0.63	0.18 J
Benzo(b)fluoranthene	ND(0.33) [ND(0.33)]	NA	0.65	0.20 J
Benzo(g,h,i)perylene	ND(0.33) [ND(0.33)]	NA	0.071 J	0.10 J
Benzo(k)fluoranthene	ND(0.33) [ND(0.33)]	NA	0.11 J	0.11 J
Furans				
2,3,7,8-TCDF	ND(0.00000023) [ND(0.00000030)]	NA	0.0000020 Y	0.0000017
TCDFs (total)	ND(0.00000023) [ND(0.00000030)]	NA	0.000030 Q	0.000015
1,2,3,7,8-PeCDF	ND(0.00000055) [ND(0.00000056)]	NA	ND(0.0000011) X	ND(0.00000075) X
2,3,4,7,8-PeCDF	ND(0.00000055) [ND(0.00000056)]	NA	0.0000061	0.0000018 J
PeCDFs (total)	ND(0.00000055) [ND(0.00000056)]	NA	0.000091 Q	0.000021
1,2,3,4,7,8-HxCDF	ND(0.00000055) [ND(0.00000056)]	NA	ND(0.0000023) X	0.0000014 J
1,2,3,6,7,8-HxCDF	ND(0.00000055) [ND(0.00000056)]	NA	0.0000025 J	0.0000012 J
1,2,3,7,8,9-HxCDF	ND(0.00000055) [ND(0.00000056)]	NA	ND(0.0000013)	0.00000063
2,3,4,6,7,8-HxCDF	ND(0.00000055) [ND(0.00000056)]	NA	0.0000070	0.0000015 J
HxCDFs (total)	ND(0.00000055) [ND(0.00000056)]	NA	0.000098	0.000023
1,2,3,4,6,7,8-HpCDF	ND(0.00000055) [ND(0.00000056)]	NA	0.000026	0.000014
1,2,3,4,7,8,9-HpCDF	ND(0.00000055) [ND(0.00000056)]	NA	0.0000020 J	0.00000094 J
HpCDFs (total)	ND(0.00000055) [ND(0.00000056)]	NA	0.000065	0.000031
OCDF	ND(0.0000011) [ND(0.0000011)]	NA	0.000029	0.000028
Dioxins				
2,3,7,8-TCDD	ND(0.00000023) [ND(0.00000025)]	NA	ND(0.00000046)	0.00000028
TCDDs (total)	ND(0.00000023) [ND(0.00000025)]	NA	ND(0.00000046) Q	0.00000031
1,2,3,7,8-PeCDD	ND(0.00000055) [ND(0.00000056)]	NA	ND(0.00000069)	0.00000052
PeCDDs (total)	ND(0.00000055) [ND(0.00000056)]	NA	0.0000010	0.0000028
1,2,3,4,7,8-HxCDD	ND(0.00000055) [ND(0.00000056)]	NA	ND(0.00000083)	0.00000052
1,2,3,6,7,8-HxCDD	ND(0.00000055) [ND(0.00000056)]	NA	ND(0.0000031) X	0.0000014 J
1,2,3,7,8,9-HxCDD	ND(0.00000055) [ND(0.00000056)]	NA	0.0000013 J	0.0000013 J
HxCDDs (total)	ND(0.00000055) [ND(0.00000056)]	NA	0.000013 Q	0.000012
1,2,3,4,6,7,8-HpCDD	ND(0.00000055) [ND(0.00000056)]	NA	0.000038	0.000025
HpCDDs (total)	ND(0.00000055) [ND(0.00000056)]	NA	0.000061	0.000047
OCDD	0.0000024 J [0.0000028 J]	NA	0.00013	0.00017
Total TEQs (WHO TEFs)	0.00000075 [0.00000078]	NA	0.0000060	0.0000031

TABLE 2
ADDITIONAL SUPPLEMENTAL SOIL SAMPLING DATA FOR APPENDIX IX+3 DATA

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-W-N8 1-6 07/25/08	RAA10-W-N8 3-4 07/25/08	RAA10-W-P8 0-1 07/25/08	RAA10-W-T12 0-1 08/25/08
Inorganics					
Cyanide		ND(0.970) [ND(0.920)]	NA	ND(0.850)	ND(0.980)
Sulfide		ND(2.50) [ND(2.30)]	NA	ND(2.20)	ND(2.20)
Antimony		ND(4.24) [ND(4.40)]	NA	ND(3.86)	0.966 B
Arsenic		3.50 [3.69]	NA	5.61	13.0
Barium		19.7 B [20.9 B]	NA	37.9 B	41.4 B
Beryllium		ND(1.06) [ND(1.10)]	NA	ND(0.965)	ND(1.05)
Chromium		6.87 [7.69]	NA	11.9	15.2
Cobalt		6.07 [6.57]	NA	11.5	9.99
Copper		11.6 B [12.4 B]	NA	20.6	20.4 B
Lead		6.00 [6.34]	NA	27.7	33.0
Mercury		ND(0.0387) [ND(0.0423)]	NA	0.0262 B	0.0608
Nickel		11.7 [12.3]	NA	21.4	16.3
Selenium		4.37 [4.38]	NA	9.18	6.86
Silver		ND(1.06) [ND(1.10)]	NA	ND(0.965)	0.308 B
Thallium		ND(1.06) [ND(1.10)]	NA	ND(0.965)	1.89
Tin		ND(10.6) [0.446 B]	NA	0.481 B	1.05 B
Vanadium		6.59 [7.17]	NA	21.8	16.1
Zinc		39.2 [40.6]	NA	63.4	82.2

TABLE 2
ADDITIONAL SUPPLEMENTAL SOIL SAMPLING APPENDIX IX+3 DATA

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by ARCADIS and submitted to SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. 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.
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, dioxin/furans)

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

ARCADIS

Figures

LEGEND:

- APPROXIMATE REMOVAL ACTION AREA BOUNDARY
- UNKAMET BROOK AREA – WEST
- UNKAMET BROOK AREA – REMAINDER
- BUILDING/STRUCTURE

NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. – FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY; AND BLASLAND AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARIES ARE APPROXIMATE.

0 1000' 2000'

APPROXIMATE SCALE

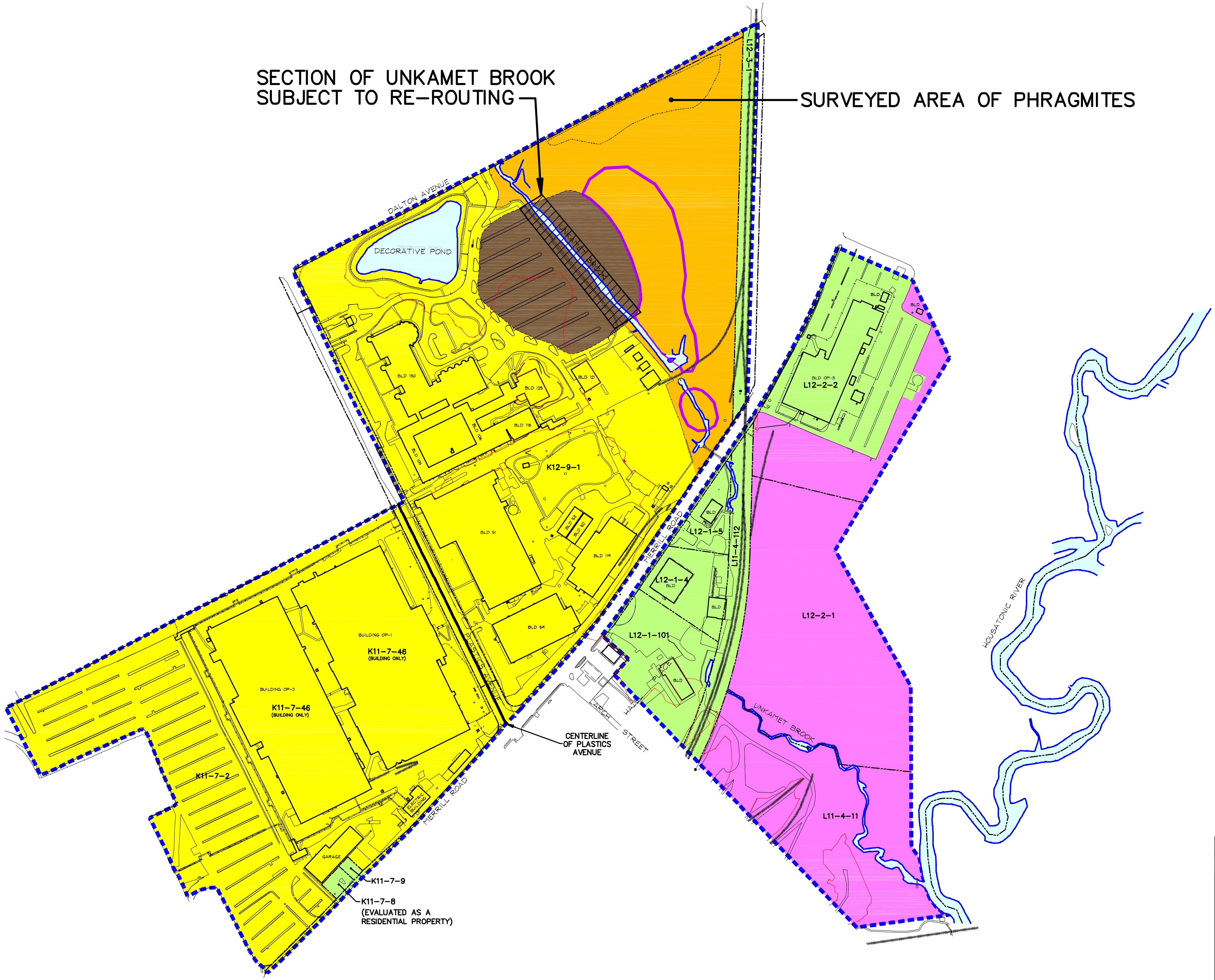
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST

REMOVAL ACTION AREA

ARCADIS

FIGURE
1-1



LEGEND:

- APPROXIMATE REMOVAL ACTION AREA BOUNDARY
- PROPERTY LINE
- L12-2-1 PROPERTY IDENTIFICATION
- 100-YEAR FLOODPLAIN BOUNDARY
- APPROXIMATE PALUSTRINE/EMERGENT WETLANDS BOUNDARY
- EDGE OF WATER
- METAL FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- OVERHEAD STEAMLINES
- WATER
- GE-OWNED INDUSTRIAL PROPERTY
- NON-GE OWNED COMMERCIAL/INDUSTRIAL PROPERTY
- NON-GE OWNED NON-INDUSTRIAL/RECREATIONAL PROPERTY
- GE-OWNED FORMER INTERIOR LANDFILL
- GE-OWNED NON-INDUSTRIAL PROPERTY

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPIES OF SURVEY DRAWINGS PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS, FILE NOS. GE-1110-CX101 (6/21/07) AND GE-1110-CX102 (6/14/07).
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS AND FORESIGHT LAND SERVICES.
3. THE BOUNDARY LINES SHOWN HEREON BETWEEN PARCELS L12-2-2, L12-2-1 AND L11-4-11 SHOWN HEREON ARE APPROXIMATE DUE TO THE LACK OF PHYSICAL AND RECORD EVIDENCE TO REPRODUCE THEM.
4. PHRAGMITES AREA SHOWN AS DETERMINED BY BBL FIELD PERSONNEL AND SURVEYS USING GPS ON MARCH 2, 2004.

0 400' 800'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST

UNKAMET BROOK AREA SITE PLAN

ARCADIS

FIGURE **1-2**

CITY:SYRACUSE, NY DIV/GROUP:ENV/141 DB: DMW AMS DMW PM:A.CORBIN TM:T.LEEMHUIS LYR: ON=*;OFF=*REF*
G:\GE\ENVCAD\SYRACUSE\ACT\N\B0040190\0000\00029\DWG\RDRA\WEST\40190G02.DWG LAYOUT: 1-2 SAVED: 2/11/2009 12:04 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/11/2009 12:31 PM BY: WODARCZYK, DAVID
XREFS: 40190X12 40190X11 IMAGES: PROJECTNAME: ----

CITY: SYR DIV/GROUP: 141 DB: DMW LD: DMW PIC:(Opt) PM: A. CORBIN TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*, FRZN*
G:\GE\ENVCAD\SYRACUSE\ACT\NI\B0040190\0000\00029\DWG\RDRA\WEST\40190G03.DWG LAYOUT: 2-1 SAVED: 12/30/2008 11:38 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/11/2009 3:24 PM BY: WODARCZYK, DAVID

XREFS: IMAGES: PROJECTNAME: ----
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- K11-7-2 — PROPERTY IDENTIFICATION
- BOLLARD
- SIGN
- LIGHT POLE
- GROUND LIGHT
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN – ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT-OFF/GATE
- HYDRANT
- PRESSURE INDICATOR VALVE
- METAL FENCE
- CHAIN LINK FENCE
- ABANDONED RAILROAD TRACKS
- GUARDRAIL
- OVERHEAD STEAMLINES
- ELECTRIC SERVICE
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- STORM DRAIN
- OVERHEAD WIRES
- 1000 — EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE

- BUILDING
- PAVED AREA
- UNPAVED AREA
- ▲ UB-SS-2 — EXISTING SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)
- ● W-G7 — EXISTING SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- AREA CHARACTERIZED AS UNPAVED BASED ON RESULTS OF PAVEMENT INSPECTION
- APPROXIMATE EXTENT OF AREA PREVIOUSLY TREATED AS PAVED THAT IS NOW TREATED AS UNPAVED

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPY OF SURVEY DRAWING GE-1110-003-CX101M(REV 8-1-07) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS AND FORESIGHT LAND SERVICES.
3. THE BOUNDARY LINE INFORMATION SHOWN HEREON WAS PROVIDED BY FORESIGHT LAND SERVICES AND IS NOT THE RESULT OF A RETRACEMENT SURVEY PREPARED BY HILL ENGINEERS, ARCHITECTS, PLANNERS, INC.
4. UTILITIES SHOWN ARE BASED ON DRAWINGS PROVIDED BY GENERAL DYNAMICS FACILITIES MANAGER. SOME OF THE DRAWINGS ARE UNTITLED AND DATE BACK TO THE 1940'S. UPDATES OR MODIFICATIONS TO THE FACILITY MAY HAVE RESULTED IN REROUTING OR ADDITIONS TO UTILITIES THAT HAVE NOT BEEN SHOWN. THEREFORE UTILITIES SHOWN SHOULD BE CONSIDERED APPROXIMATE AND PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHOULD CONTACT "DIG-SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND.
5. BUILDINGS OP-1 AND OP-2 MAKE-UP PARCEL K11-7-46 WHILE THE LAND THESE BUILDINGS ARE CONSTRUCTED ON IS PART OF PARCEL K11-7-2.
6. SAMPLE LOCATIONS ARE APPROXIMATE.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST

PROPERTIES LOCATED WEST OF PLASTICS AVE. - SOIL SAMPLE LOCATIONS

ARCADIS

FIGURE
2-1

CITY: SYR DIV/GROUP: 141 DB: DMW LD: DMW PIC:(Opt) PM: A. CORBIN TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*, FRZN*
G:\GE\ENVCAD\SYRACUSE\ACT\NI\B0040190\0000\00029\DWG\RDRA\WEST\40190G66.DWG LAYOUT: 2-2 SAVED: 2/11/2009 11:59 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/11/2009 3:26 PM BY: WODARCZYK, DAVID

XREFS: IMAGES: PROJECTNAME: ----
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- 100–YEAR FLOODPLAIN BOUNDARY
- K12–9–1 PROPERTY IDENTIFICATION
- BOLLARD
- SIGN
- LIGHT POLE
- GROUND LIGHT
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN – ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT–OFF/GATE
- HYDRANT
- PRESSURE INDICATOR VALVE
- METAL FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- GUARDRAIL
- ELECTRIC SERVICE
- GAS SERVICE
- FIRE PROTECTION WATER
- IRRIGATION
- CITY WATER
- SANITARY SEWER
- AB DRAIN — UTILITY ABANDONED AS PART OF DEMOLITION ACTIVITIES AT SITE NO. 1 BUILDINGS IN 2005

- STORM DRAIN
- TELEPHONE SERVICE
- IRRIGATION TO BE DECOMMISSIONED
- UTILITY ABANDONED
- 1000 EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF WATER
- BUILDING
- PAVED AREA
- UNPAVED AREA
- WATER

- N–CC20 EXISTING SURFACE SOIL SAMPLE LOCATION (0– TO 1– FOOT SAMPLE DEPTH)
- N–KK10 EXISTING SOIL BORING LOCATION (1–FOOT OR GREATER SAMPLE DEPTH)
- SE001550 EXISTING SEDIMENT SAMPLE LOCATION
- APPROXIMATE HORIZONTAL EXTENT OF LANDSCAPED AREA COVERING BUILDING FOUNDATIONS/PAVEMENT (CHARACTERIZED AS PAVED IN ACCORDANCE WITH EPA–APPROVED PDI ACTIVITIES)
- APPROXIMATE EXTENT OF AREA PREVIOUSLY TREATED AS PAVED THAT IS NOW TREATED AS UNPAVED

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPY OF SURVEY DRAWINGS GE–1110–006–CX101–M(REV 12–2–08) AND GE–1110–009–CX101–M(REV 1–8–09) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS AND FORESIGHT LAND SERVICES.
3. UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "DIG–SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND.
4. ACCORDING TO FLOOD INSURANCE RATE MAP (FIRM), COMMUNITY PANEL 250037 0010 C, REVISION DATED FEBRUARY 19, 1982, THE 100–YEAR FLOOD PLAIN ELEVATION IN THE PROJECT VICINITY IS 995 FEET.
5. SAMPLE LOCATIONS ARE APPROXIMATE.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST

PROPERTIES LOCATED EAST OF PLASTICS AVE. - SOIL SAMPLE LOCATIONS

ARCADIS

FIGURE
2-2

CITY: SYR DIV/GROUP: 141 DB: DMW LD: DMW PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*, FRZN*
G:\GE\ENVCAD\SYRACUSE\ACT\NI\B0040190\0000\00029\DWG\RDRA\WEST\40190G15.DWG LAYOUT: 2-3 SAVED: 12/30/2008 11:23 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/11/2009 2:08 PM BY: WODARCZYK, DAVID
XREFS: IMAGES: PROJECTNAME: ----
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- APPROXIMATE PROPERTY LINE
- L12–2–2 PROPERTY IDENTIFICATION
- BOLLARD
- LIGHT POLE
- UTILITY POLE
- CATCH BASIN
- DRAIN MANHOLE
- SANITARY MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT–OFF/GATE
- HYDRANT
- PIV PRESSURE INDICATOR VALVE
- METAL FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- GUARDRAIL
- ELECTRIC SERVICE
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- STORM DRAIN
- 1000 EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE
- BUILDING
- PAVED AREA
- UNPAVED AREA
- ▲ UOP3S–7 EXISTING SURFACE SOIL SAMPLE LOCATION (0– TO 1– FOOT SAMPLE DEPTH)
- UFP1–R1 EXISTING SOIL BORING LOCATION (1– FOOT OR GREATER SAMPLE DEPTH)
- APPROXIMATE EXTENT OF AREA PREVIOUSLY TREATED AS PAVED THAT IS NOW TREATED AS UNPAVED

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPY OF SURVEY DRAWING GE–1110–CX101–M(REV 9–5–07) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS AND FORESIGHT LAND SERVICES.
3. THE BOUNDARY LINES SHOWN HEREON BETWEEN PARCELS L12–2–2 AND L12–2–1 ARE APPROXIMATE DUE TO THE LACK OF PHYSICAL AND RECORD EVIDENCE TO REPRODUCE THEM.
4. UTILITY LOCATIONS ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHOULD CONTACT "DIG–SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND. CERTAIN UTILITIES WITHIN PARCEL L12–2–2 HAVE BEEN ADDED IN ACCORDANCE WITH EPA CONDITIONAL APPROVAL LETTER DATED JUNE 30, 2008. THOSE UTILITIES ARE APPROXIMATE AND WERE TAKEN FROM FIGURE 5 OF THE SEPTEMBER 2005 PRE–DESIGN INVESTIGATION REPORT. SOME OF THESE LOCATIONS WERE MODIFIED BASED ON SURVEYED FEATURES (I.E. MANHOLES, CATCH BASINS, WATER SHUT–OFF VALVES, ETC.) THE PRESENCE AND ASSOCIATED LOCATIONS OF THE UTILITIES TAKEN FROM FIGURE 5 OF THE SEPTEMBER 2005 PRE–DESIGN INVESTIGATION REPORT ARE UNKNOWN.
5. SAMPLE LOCATIONS ARE APPROXIMATE.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST

PROPERTIES LOCATED SOUTH OF MERRILL ROAD - SOIL SAMPLE LOCATIONS

ARCADIS

FIGURE 2-3

CITY: SYR DIV/GROUP: 141 DB: DMW LD: DMW PIC:(Opt) PM: A. CORBIN TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*, FRZN*
G:\GE\ENVCAD\SYRACUSE\ACT\NI\B0040190\0000\00029\DWG\RDRA\WEST\40190G69.DWG LAYOUT: 4-1 SAVED: 2/11/2009 10:15 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/11/2009 3:10 PM BY: WODARCZYK, DAVID

XREFS: IMAGES: PROJECTNAME: ----
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- K11-7-2 PROPERTY IDENTIFICATION
- BOLLARD
- SIGN
- LIGHT POLE
- GROUND LIGHT
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN – ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT-OFF/GATE
- HYDRANT
- PRESSURE INDICATOR VALVE
- METAL FENCE
- CHAIN LINK FENCE
- ABANDONED RAILROAD TRACKS
- GUARDRAIL
- OVERHEAD STEAMLINES
- ELECTRIC SERVICE
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- STORM DRAIN
- OVERHEAD WIRES
- EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE

- BUILDING
- ▲ UB-SS-2 EXISTING SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)
- ● W-G7 EXISTING SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- AREA CHARACTERIZED AS UNPAVED BASED ON RESULTS OF PAVEMENT INSPECTION
- APPROXIMATE HORIZONTAL EXTENT OF PAVEMENT SUBJECT TO RESTORATION (SUBJECT TO POSSIBLE MODIFICATION BASED ON OBSERVED CONDITIONS)

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPY OF SURVEY DRAWING GE-1110-003-CX101M(REV 8-1-07) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS AND FORESIGHT LAND SERVICES.
3. THE BOUNDARY LINE INFORMATION SHOWN HEREON WAS PROVIDED BY FORESIGHT LAND SERVICES AND IS NOT THE RESULT OF A RETRACEMENT SURVEY PREPARED BY HILL ENGINEERS, ARCHITECTS, PLANNERS, INC.
4. UTILITIES SHOWN ARE BASED ON DRAWINGS PROVIDED BY GENERAL DYNAMICS FACILITIES MANAGER. SOME OF THE DRAWINGS ARE UNTITLED AND DATE BACK TO THE 1940'S. UPDATES OR MODIFICATIONS TO THE FACILITY MAY HAVE RESULTED IN REROUTING OR ADDITIONS TO UTILITIES THAT HAVE NOT BEEN SHOWN. THEREFORE UTILITIES SHOWN SHOULD BE CONSIDERED APPROXIMATE AND PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHOULD CONTACT "DIG-SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND.
5. BUILDINGS OP-1 AND OP-2 MAKE-UP PARCEL K11-7-46 WHILE THE LAND THESE BUILDINGS ARE CONSTRUCTED ON IS PART OF PARCEL K11-7-2.
6. SAMPLE LOCATIONS ARE APPROXIMATE.

0 100' 200'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST

PRELIMINARY AREAS SUBJECT TO PAVEMENT RESTORATION - PARCEL K11-7-2

ARCADIS

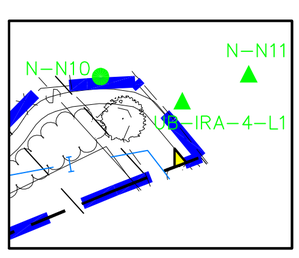
FIGURE
4-1

CITY: SYRACUSE, NY DIV/GROUP: ENV/141 DB: DMW KLS DMW LD: DMW PIC:(Opt) PM:A.CORBIN TM:T.LEEMHUIS LYR:(Opt)ON=*;OFF=*REF*, FRZN*
G:\GE\ENVCAD\SYRACUSE\ACT\NI\B0040190\0000\00029\DWG\RDRA\WEST\40190G65.DWG LAYOUT: 4-2 SAVED: 2/11/2009 11:54 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/11/2009 3:27 PM BY: WODARCZYK, DAVID

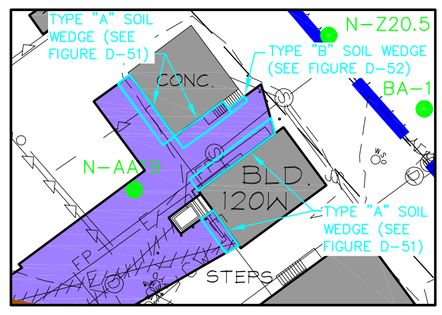
XREFS: IMAGES: PROJECTNAME: ----
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- 100–YEAR FLOODPLAIN BOUNDARY
- K12–9–1 PROPERTY IDENTIFICATION
- BOLLARD
- SIGN
- LIGHT POLE
- GROUND LIGHT
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN – ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT–OFF/GATE
- HYDRANT
- PRESSURE INDICATOR VALVE
- METAL FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- GUARDRAIL
- ELECTRIC SERVICE
- GAS SERVICE
- FIRE PROTECTION WATER
- IRRIGATION
- CITY WATER
- SANITARY SEWER
- STORM DRAIN
- TELEPHONE SERVICE
- OVERHEAD WIRES
- IRRIGATION TO BE DECOMMISSIONED
- UTILITY ABANDONED
- EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF WATER
- BUILDING
- WATER
- N–CC20 EXISTING SURFACE SOIL SAMPLE LOCATION (0– TO 1– FOOT SAMPLE DEPTH)
- N–KK10 EXISTING SOIL BORING LOCATION (1–FOOT OR GREATER SAMPLE DEPTH)
- SE001550 EXISTING SEDIMENT SAMPLE LOCATION
- 1–FOOT REMOVAL
- 2–FOOT REMOVAL
- 6–FOOT REMOVAL
- ADDITIONAL 6–FOOT REMOVAL (BASED ON UTILITY CORRIDOR EVALUATIONS)
- AREA PROPOSED FOR PLACEMENT OF ENGINEERED BARRIER
- APPROXIMATE HORIZONTAL EXTENT OF PAVEMENT SUBJECT TO RESTORATION (SUBJECT TO POSSIBLE MODIFICATION BASED ON OBSERVED CONDITIONS)



DETAIL A
SCALE: 1" = 40'



DETAIL B
SCALE: 1" = 40'

SEE DETAIL A

SEE DETAIL B

APPROXIMATE EXTENT OF PAVEMENT RESTORATION TO BE CONDUCTED BY GE AS A RESULT OF PAVEMENT INSPECTION SITE WALK WITH EPA. PAVEMENT RESTORATION IS NOT CONSIDERED A RESPONSE ACTION NECESSARY TO SATISFY PERFORMANCE STANDARDS.

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPY OF SURVEY DRAWINGS GE–1110–006–CX101–M(REV 12–2–08) AND GE–1110–009–CX101–M(REV 1–8–09) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS AND FORESIGHT LAND SERVICES.
3. UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "DIG–SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND.
4. ACCORDING TO FLOOD INSURANCE RATE MAP (FIRM), COMMUNITY PANEL 250037 0010 C, REVISION DATED FEBRUARY 19, 1982, THE 100–YEAR FLOOD PLAIN ELEVATION IN THE PROJECT VICINITY IS 995 FEET.
5. SAMPLE LOCATIONS ARE APPROXIMATE.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST

PRELIMINARY SOIL-RELATED RESPONSE ACTIONS - PARCEL K12-9-1 (INDUSTRIAL)

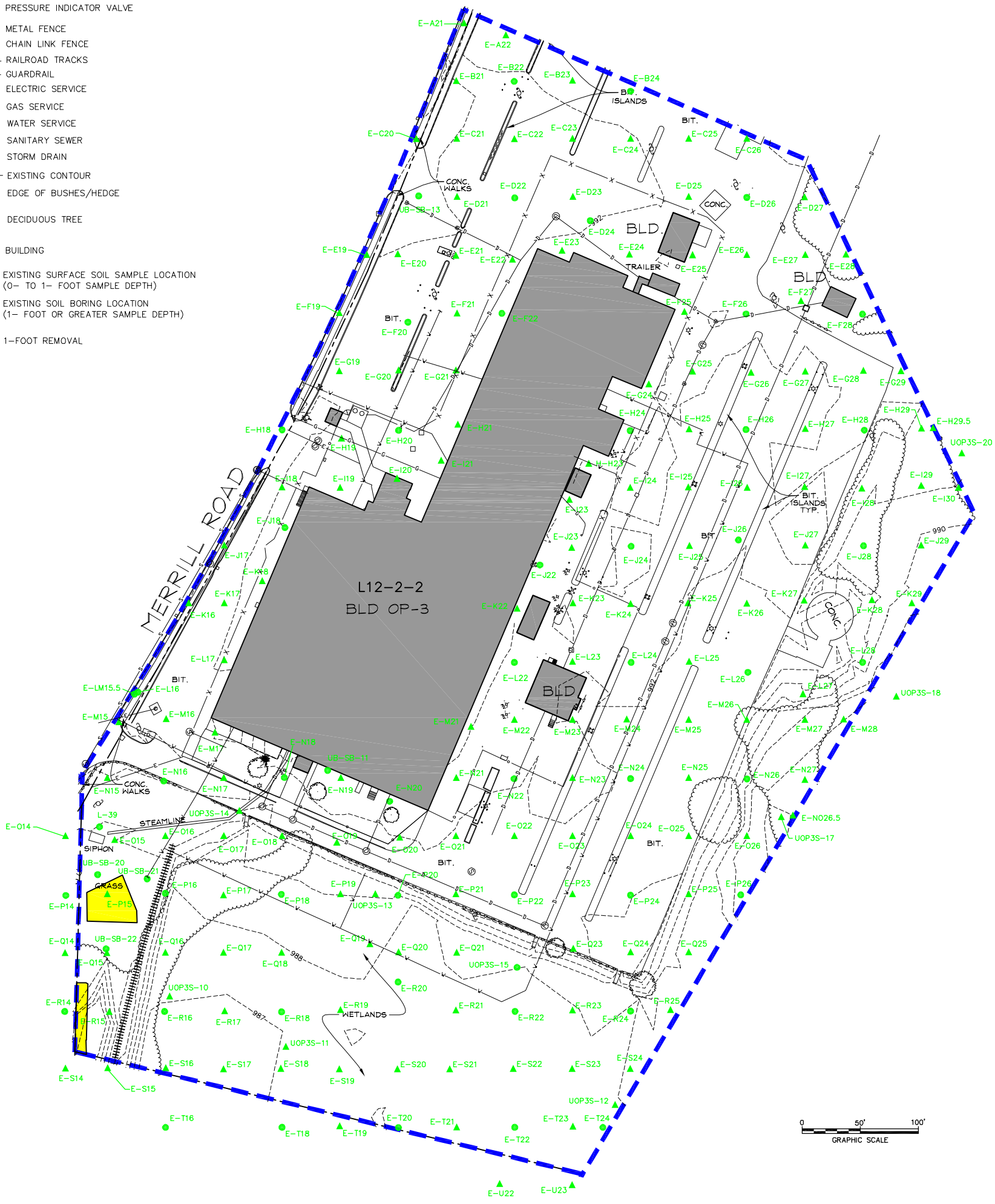
ARCADIS

FIGURE
4-2

CITY: SYR DIV/GROUP: 141 DB: DMW LD: DMW PIC:(Opt) PM: A.CORBIN TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*, FRZN*
G:\GE\ENVCAD\SYRACUSE\ACT\NI\B0040190\0000\00029\DWG\RDRA\WEST\40190G68.DWG LAYOUT: 4-3 SAVED: 2/11/2009 12:13 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/11/2009 12:32 PM BY: WODARCZYK, DAVID
XREFS: IMAGES: PROJECTNAME: ----
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- APPROXIMATE PROPERTY LINE
- L12–2–2 PROPERTY IDENTIFICATION
- BOLLARD
- LIGHT POLE
- UTILITY POLE
- CATCH BASIN
- DRAIN MANHOLE
- SANITARY MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT–OFF/GATE
- HYDRANT
- PIV PRESSURE INDICATOR VALVE
- METAL FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- GUARDRAIL
- ELECTRIC SERVICE
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- STORM DRAIN
- 1000 EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE
- BUILDING
- U0P3S–7 EXISTING SURFACE SOIL SAMPLE LOCATION (0– TO 1– FOOT SAMPLE DEPTH)
- UFP1–R1 EXISTING SOIL BORING LOCATION (1– FOOT OR GREATER SAMPLE DEPTH)
- 1–FOOT REMOVAL



NOTES:

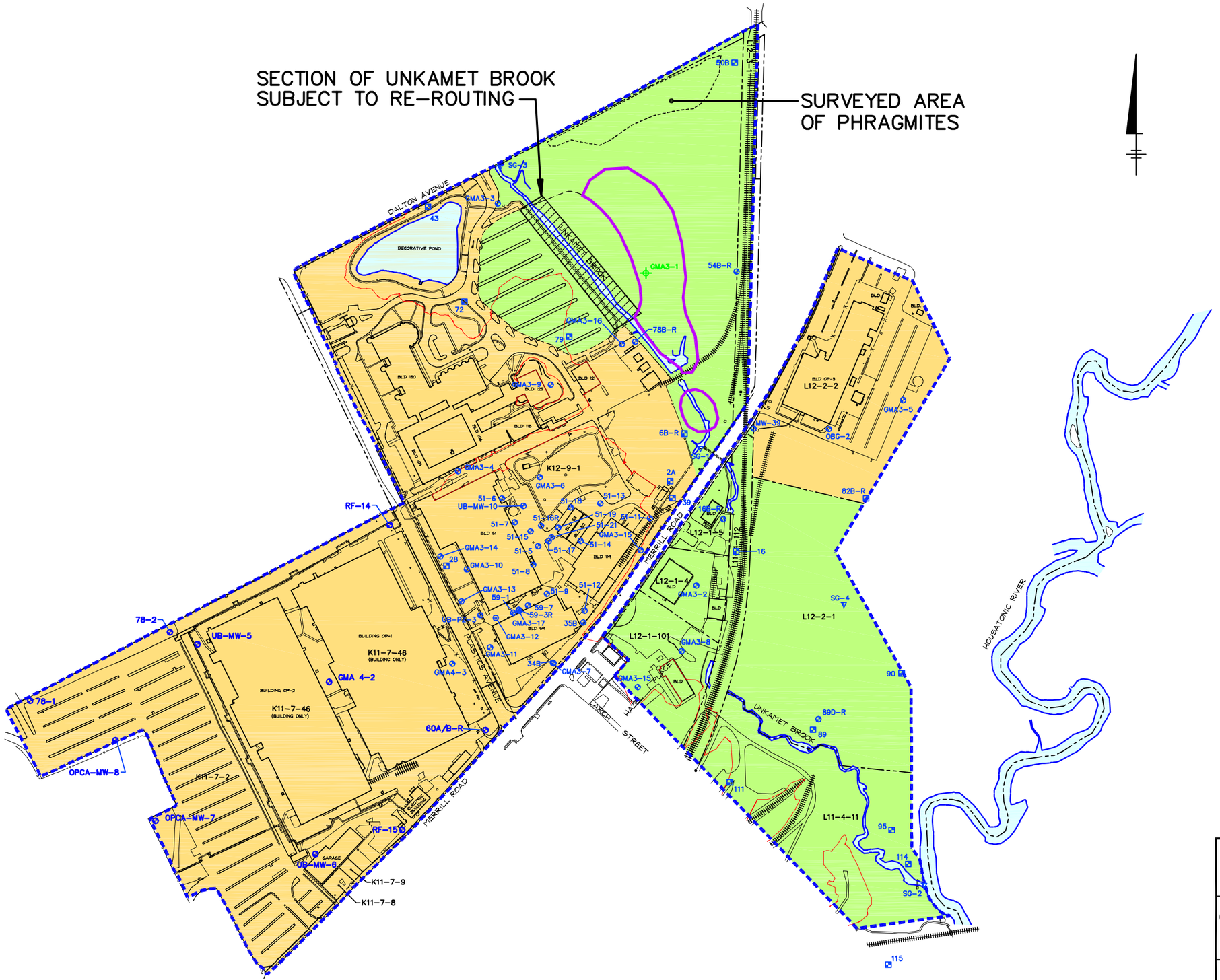
1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPY OF SURVEY DRAWING GE–1110–CX101–M(REV 9–5–07) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS AND FORESIGHT LAND SERVICES.
3. THE BOUNDARY LINES SHOWN HEREON BETWEEN PARCELS L12–2–2 AND L12–2–1 ARE APPROXIMATE DUE TO THE LACK OF PHYSICAL AND RECORD EVIDENCE TO REPRODUCE THEM.
4. UTILITY LOCATIONS ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHOULD CONTACT "DIG–SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND. CERTAIN UTILITIES WITHIN PARCEL L12–2–2 HAVE BEEN ADDED IN ACCORDANCE WITH EPA CONDITIONAL APPROVAL LETTER DATED JUNE 30, 2008. THOSE UTILITIES ARE APPROXIMATE AND WERE TAKEN FROM FIGURE 5 OF THE SEPTEMBER 2005 PRE–DESIGN INVESTIGATION REPORT. SOME OF THESE LOCATIONS WERE MODIFIED BASED ON SURVEYED FEATURES (I.E. MANHOLES, CATCH BASINS, WATER SHUT–OFF VALVES, ETC.) THE PRESENCE AND ASSOCIATED LOCATIONS OF THE UTILITIES TAKEN FROM FIGURE 5 OF THE SEPTEMBER 2005 PRE–DESIGN INVESTIGATION REPORT ARE UNKNOWN.
5. SAMPLE LOCATIONS ARE APPROXIMATE.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST

PRELIMINARY SOIL-RELATED RESPONSE ACTIONS - PARCEL L12-2-2 (NON-INDUSTRIAL)

ARCADIS

FIGURE
4-3



NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPIES OF SURVEY DRAWINGS PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS, FILE NOS. GE-1110-003-CX101 (8/1/07), GE-1110-CX101-M (9/5/07) AND GE-1110-CX102 (6/14/07).
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS AND FORESIGHT LAND SERVICES.
3. THE BOUNDARY LINES SHOWN HEREON BETWEEN PARCELS L12-2-2, L12-2-1 AND L11-4-11 SHOWN HEREON ARE APPROXIMATE DUE TO THE LACK OF PHYSICAL AND RECORD EVIDENCE TO REPRODUCE THEM.
4. PHRAGMITES AREA SHOWN AS DETERMINED BY BBL FIELD PERSONNEL AND SURVEYS USING GPS ON MARCH 2, 2004.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST

GROUNDWATER RELATED COMPONENTS AT UNKAMET BROOK AREA

ARCADIS

FIGURE
5-1

ARCADIS

Appendices

ARCADIS

Appendix A

Soil Boring Logs

Date Start/Finish: 8/30/07
Drilling Company: ARCADIS
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 2' Macrocore

Northing: 535286.5
Easting: 139802.4
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 984.4

Descriptions By: GAR

Boring ID: RAA10-E-BBB27

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985 / 0	1	0-1	1.0	0.0		Light grey-brown fine SAND, trace Gravel and Roots. Dark grey-brown fine SAND with SLAG.	Borehole backfilled with Bentonite.
980 / 5							
975 / 10							
970 / 15							

ARCADIS
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.
Duplicate Sample ID: RAA10-E-DUP-004 (PCBs, 0-1').

Date Start/Finish: 10/23/07
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 2' Macrocore

Northing: 535276.2
Easting: 139801.6
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 987.7

Descriptions By: GAR

Boring ID: RAA10-E-BBBCCC27

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
990							
0	1	0-1	0.9	0.0		Dark brown fine SAND with CINDERS, SLAG, and GRAVEL, some Organic Material.	Borehole backfilled with Bentonite.
985							
5							
980							
10							
975							
15							

ARCADIS
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Project: 401.90.029 Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2008.ldfx
Data File: RAA10-E-BBBCCC27.dat Date: 11/13/08

Date Start/Finish: 10/23/07
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 2' Macrocore

Northing: 535266.4
Easting: 139801.6
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 992

Descriptions By: GAR

Boring ID: RAA10-E-CCC27

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 992	1	0-1	0.9	0.0		Dark brown fine SAND with CINDERS, SLAG, and GRAVEL, some Organic Material.	Borehole backfilled with Bentonite.
						Grey-brown fine SAND with GRAVEL.	

990
5
985
10
980
15

ARCADIS
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Project: 401.90.029
Data File: RAA10-E-CCC27.dat
Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2008.ldfx
Date: 11/13/08

Date Start/Finish: 10/23/07
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 2' Macrocore

Northing: 535256.3
Easting: 139801.7
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 994.5

Descriptions By: GAR

Boring ID: RAA10-E-CCCDDD27

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995 / 0	1	0-1	0.9	0.0		Dark brown fine SAND with CINDERS, SLAG, and GRAVEL, some Organic Material.	Borehole backfilled with Bentonite.
						Grey-brown fine SAND with GRAVEL.	
990 / 5							
985 / 10							
980 / 15							

Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Project: 401.90.029 Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2008.ldfx
Data File: RAA10-E-CCCDDD27.dat Date: 11/13/08

Date Start/Finish: 8/30/07
Drilling Company: ARCADIS
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 2' Macrocore

Northing: 536089.1
Easting: 138748.9
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 1000.2

Descriptions By: GAR

Boring ID: RAA10-E-KKLL6.5

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 1000	1	0-1	1.0	0.0		Light brown-grey fine SAND, trace fine to medium Gravel.	Borehole backfilled with Bentonite.
5 / 995							
10 / 990							
15 / 985							

ARCADIS
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.
MS/MSD collected (PCBs, 0-1').

Date Start/Finish: 8/30/07
Drilling Company: ARCADIS
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 2' Macrocore

Northing: 535990.3
Easting: 138843
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 999

Descriptions By: GAR

Boring ID: RAA10-E-MMNN8.5

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1000 / 0	1	0-1	1.0	0.0		Light grey-brown fine SAND with fine to medium GRAVEL.	Borehole backfilled with Bentonite.
995 / 5							
990 / 10							
985 / 15							

ARCADIS
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 07/22/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 536239.0
Easting: 136655.7
Casing Elevation: NA

Borehole Depth: 15' below grade
Surface Elevation: 1031.8

Descriptions By: JTG

Boring ID: RAA10-W-G5

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	1	0-1	3.7	0.0		Brown SILT, fine SAND, and GRAVEL.	Borehole backfilled with Bentonite.
1030	2	1-3		0.0		Tan fine SAND, little Gravel.	
	3	3-4		0.0		Grey-brown fine SAND.	
5	4	4-6	2.2	0.0			
1025	5	6-8		0.0			
	6	8-10	2.6	0.0		Grey-brown tight SILT with fine SAND, some Gravel and Stone.	
10	7	10-12		0.0			
1020	8	12-14	3.0	0.0			
	9	14-15		0.0			
15							

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available.
Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 1-6': PCBs, SVOCs, Inorganics, PCDDs/PCDFs; 3-4': VOCs; 6-15': PCBs.
Sample location is within a gravel covered area.

Date Start/Finish: 07/22/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 536139.1
Easting: 136454.9
Casing Elevation: NA

Borehole Depth: 15' below grade
Surface Elevation: 1026.7

Descriptions By: JTG

Boring ID: RAA10-W-H3

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	1	0-1	3.6	0.0		Brown fine SAND and GRAVEL.	Borehole backfilled with Bentonite.
1025	2	1-3		0.0		Grey-brown tight SILT, some Clay and fine Sand, little gravel.	
	3	3-4		0.0			
5	4	4-6	3.3	0.0			
1020	5	6-8		0.0		Grey-brown tight SILT and fine SAND, some Gravel.	
	6	8-10	2.3	0.0			
10	7	10-12		0.0			
1015	8	12-14	3.0	0.0		Grey-brown fine SAND, some Stone.	
	9	14-15		0.0		Grey-brown fine SAND, wet.	
15							

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available.
Analyses: 0-1': PCBs; 1-6': PCBs, SVOCs, Inorganics, PCDDs/PCDFs; 4-6': VOCs; 6-15': PCBs.
Sample location is within a paved area.
The water table was present at ~14.0' bgs.

Date Start/Finish: 07/23/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 536157.2
Easting: 136653.7
Casing Elevation: NA

Borehole Depth: 15' below grade
Surface Elevation: 1031.4

Descriptions By: JTG

Boring ID: RAA10-W-H5

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	1	0-1	3.6	0.0		Grey-brown fine to coarse SAND, some Gravel.	Borehole backfilled with Bentonite.
1030	2	1-3		0.0		Grey-brown tight fine SAND, some Gravel.	
	3	3-4		0.0			
5	4	4-6	3.8	0.0			
1025	5	6-8		0.0		Grey-brown tight fine SAND and SILT with GRAVEL and STONE.	
	6	8-10	3.5	0.0			
10	7	10-12		0.0			
1020	8	12-14	3.0	0.0		Grey-brown fine SAND, some Gravel, wet.	
	9	14-15		0.0			
15							

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available.
Analyses: 0-1': PCBs; 1-6': PCBs; 6-15': PCBs.
Duplicate Sample ID: RAA10-DUP-2 (PCBs, 0-1').
MS/MSD collected (PCBs, 1-6').
The water table is present at ~12.0' bgs.

Date Start/Finish: 07/24/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 536157
Easting: 136753.8
Casing Elevation: NA

Borehole Depth: 12' below grade
Surface Elevation: 1032.3

Descriptions By: JTG

Boring ID: RAA10-W-H6

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1035							
0							
	1	0-1	3.8	0.0		Dark brown fine SAND with GRAVEL.	Borehole backfilled with Bentonite.
						Brown fine SAND.	
	2	1-3		0.0		Tan fine SAND and grey-brown SILT.	
1030							
	3	3-4		0.0			
	4	4-6	4.0	0.0			
5							
	5	6-8		0.0			
1025							
	6	8-10	2.5	0.0		Grey-brown tight fine SAND and SILT, little Gravel.	
10							
	7	10-12		0.0			
1020						No recovery due to refusal at 12.0' bgs.	
15							

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available.
Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 1-6': PCBs; 6-12': PCBs, SVOCs, Inorganics, PCDDs/PCDFs; 10-12': VOCs.
Sample location is within a paved area.

Date Start/Finish: 07/22/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 536056.9
Easting: 136453.9
Casing Elevation: NA

Borehole Depth: 15' below grade
Surface Elevation: 1025.6

Descriptions By: JTG

Boring ID: RAA10-W-I3

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 1025	1	0-1	3.0	0.0		Grey-brown fine SAND with GRAVEL.	Borehole backfilled with Bentonite.
	2	1-3		0.0		Grey-brown tight SILT with GRAVEL, STONE, and SANDSTONE.	
	3	3-4		0.0			
5 / 1020	4	4-6	2.8	0.0			
	5	6-8		0.0		Grey-brown tight SILT with GRAVEL.	
	6	8-10	3.7	0.0			
10 / 1015	7	10-12		0.0			
	8	12-14	3.0	0.0		Tan fine SAND, wet.	
	9	14-15		0.0			
15 / 1010							

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available.
Analyses: 0-1': PCBs; 1-6': PCBs; 6-15': PCBs.
Duplicate Sample ID: RAA10-DUP-1 (PCBs, 1-6').
MS/MSD collected (PCBs, 6-15').
Sample locations is within a paved area.
The water table is present at ~13.0' bgs.

Date Start/Finish: 07/23/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 536057.2
Easting: 136553.7
Casing Elevation: NA

Borehole Depth: 15' below grade
Surface Elevation: 1027.1

Descriptions By: JTG

Boring ID: RAA10-W-I4

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1030							
0							
	1	0-1	3.2	0.0		Grey-brown fine to coarse SAND with GRAVEL.	Borehole backfilled with Bentonite.
	2	1-3		0.0		Grey-brown fine SAND with orange-brown SANDSTONE.	
1025	3	3-4		0.0		Grey-brown tight fine SAND, some Gravel, moist.	
	4	4-6		0.0			
5	5	6-8	3.6	0.0		Grey-brown tight fine SAND with GRAVEL and STONE, moist.	
1020	6	8-10		0.0			
	7	10-12	3.8	0.0			
10	8	12-14		0.0		Grey-brown fine SAND, some Gravel, wet.	
1015	9	14-15	3.0	0.0			
15							

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available.
Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 1-6': PCBs, SVOCs, Inorganics, PCDDs/PCDFs; 4-6': VOCs; 6-15': PCBs.
The water table is present at ~12.0' bgs.

Date Start/Finish: 07/21/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 536057.2
Easting: 136653.7
Casing Elevation: NA

Borehole Depth: 12' below grade
Surface Elevation: 1028.7

Descriptions By: JTG

Boring ID: RAA10-W-I5

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1030							
0	1	0-1	3.8	0.0		Brown fine to medium SAND and GRAVEL.	Borehole backfilled with Bentonite.
	2	1-3		0.0		Grey-brown very tight SILT with GRAVEL, some Clay and fine Sand.	
1025	3	3-4		0.0			
5	4	4-6	4.0	0.0			
	5	6-8		0.0		Grey-brown very tight SILT with fine SAND, some Clay and Gravel.	
1020	6	8-10	3.7	0.0			
10	7	10-12		0.0			
						No recovery due to refusal at 12.0' bgs.	
1015							
15							

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available.
Analyses: 0-1': PCBs; 1-6': PCBs; 6-12': PCBs.
Sample location is within a paved area.

Date Start/Finish: 07/25/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 536057
Easting: 136754
Casing Elevation: NA

Borehole Depth: 11' below grade
Surface Elevation: 1030.7

Descriptions By: JTG

Boring ID: RAA10-W-I6

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 1030	1	0-1	3.6	0.0		Brown fine SAND and GRAVEL.	Borehole backfilled with Bentonite.
						Brown fine SAND and SILT.	
	2	1-3		0.0		Brown SILT and fine SAND, some Gravel and Stone.	
	3	3-4		0.0			
5 / 1025	4	4-6	4.0	0.0			
	5	6-8		0.0		Brown and grey-brown very tight fine SAND and SILT, some Gravel and Stone.	
	6	8-10	2.8	0.0			
10 / 1020	7	10-11		0.0			
						No recovery due to refusal at 11.0' bgs.	
15 / 1015							

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available.
Analyses: 0-1': PCBs; 1-6': PCBs; 6-11': PCBs.
Sample location is within an area with some pavement.

Date Start/Finish: 07/22/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 535957.1
Easting: 136353.7
Casing Elevation: NA

Borehole Depth: 15' below grade
Surface Elevation: 1023.6

Descriptions By: JTG

Boring ID: RAA10-W-J2

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
1025 / 0	1	0-1	3.7	0.0		Brown fine SAND, SILT, and GRAVEL.
	2	1-3		0.0		Grey-brown tight fine SAND and SILT, some Gravel and Stone.
1020 / 5	3	3-4		0.0		
	4	4-6		0.0		
	5	6-8	3.6	0.0		Grey-brown tight fine SAND and SILT.
1015 / 10	6	8-10		0.0		
	7	10-12	3.5	0.0		Dark grey SILT with ROOTS, some fine Sand and Gravel.
	8	12-14		0.0		Grey fine SAND, some Gravel, wet.
1010 / 15	9	14-15	2.8	0.0		

Boring Construction: Borehole backfilled with Bentonite.

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available.
Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 1-6': PCBs; 6-15': PCBs, SVOCs, Inorganics, PCDDs/PCDFs; 8-10': VOCs.
Sample location is within a paved area.
The water table is present at ~12.0' bgs.

Date Start/Finish: 07/23/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 535957.2
Easting: 136453.7
Casing Elevation: NA

Borehole Depth: 15' below grade
Surface Elevation: 1023.5

Descriptions By: JTG

Boring ID: RAA10-W-J3

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1025 / 0	1	0-1	3.5	0.0		Grey-brown fine to coarse SAND with GRAVEL.	Borehole backfilled with Bentonite.
						Grey-brown tight fine SAND and SILT, some Gravel.	
	2	1-3		0.0			
1020 / 5	3	3-4		0.0			
	4	4-6	3.4	0.0		Grey-brown SILT and ORGANIC MATERIAL (ROOTS).	
	5	6-8		0.0		Grey-brown SILT, some Gravel.	
1015 / 10	6	8-10	2.6	0.0		Grey-brown fine SAND, moist.	
	7	10-12		0.0			
	8	12-14	2.5	0.0		Brown SILT, some fine Sand, Gravel, and Sandstone.	
1010 / 15	9	14-15		0.0			

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available.
Analyses: 0-1': PCBs; 1-6': PCBs; 6-15': PCBs.
Sample location is within a paved area.

Date Start/Finish: 07/25/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 535976.4
Easting: 136644.8
Casing Elevation: NA

Borehole Depth: 8' below grade
Surface Elevation: 1027.2

Descriptions By: JTG

Boring ID: RAA10-W-J5

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1030							
0	1	0-1	3.8	0.0		Dark brown fine SAND and GRAVEL.	Borehole backfilled with Bentonite.
						Grey-brown fine SAND and SILT.	
	2	1-3		0.0		Brown fine SAND with GRAVEL and STONE.	
1025	3	3-4		0.0			
	4	4-6		0.0			
5	5	6-8	3.7	0.0		Brown tight fine SAND and SILT with GRAVEL and STONE.	
1020						No recovery due to refusal at 8.0' bgs.	
10							
1015							
15							

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available.
Analyses: 0-1': PCBs; 1-3': VOCs; 1-6': PCBs, SVOCs, Inorganics, PCDDs/PCDFs; 6-8': PCBs.
Sample location is within a paved area.

Project: 401.90.029
Data File: RAA10-W-J5.dat

Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2008.ldfx
Date: 11/11/08

Date Start/Finish: 07/25/08 **Drilling Company:** ARCADIS **Driller's Name:** GAR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Truck-Mounted Power Probe **Sample Method:** 4' Macrocore	**Northing:** 535657.1 **Easting:** 136853.8 **Casing Elevation:** NA **Borehole Depth:** 15' below grade **Surface Elevation:** 1026.8 **Descriptions By:** JTG	**Boring ID:** RAA10-W-M7 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 1025	1	0-1	3.2	0.0		Brown fine SAND, some Gravel.	Borehole backfilled with Bentonite.
	2	1-3		0.0			
	3	3-4		0.0			
5 / 1020	4	4-6	3.2	0.0		Tan fine SAND.	
	5	6-8		0.0		Tan fine SAND with GRAVEL, STONE, and ROCK, some grey-brown tight Silt.	
	6	8-10	3.4	0.0			
10 / 1015	7	10-12		0.0			
	8	12-14	2.0	0.0		Grey-brown tight SILT, some Gravel.	
15	9	14-15		0.0			

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available.
Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 1-6': PCBs; 6-8': VOCs; 6-15': PCBs, SVOCs, Inorganics, PCDDs/PCDFs.
MS/MSD collected (VOCs, 6-8'; PCBs, SVOCs, Inorganics, PCDDs/PCDFs, 6-15').

Date Start/Finish: 07/25/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 535557
Easting: 136953.7
Casing Elevation: NA

Borehole Depth: 15' below grade
Surface Elevation: 1024.2

Descriptions By: JTG

Boring ID: RAA10-W-N8

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1025 / 0	1	0-1	3.2	0.0		Brown and dark brown fine SAND with coarse SAND, some Gravel.	Borehole backfilled with Bentonite.
	2	1-3		0.0		Light brown fine SAND, some brown Silt, little gravel.	
	3	3-4		0.0			
1020 / 5	4	4-6	3.2	0.0			
	5	6-8		0.0			
1015 / 10	6	8-10	3.4	0.0			
	7	10-12		0.0			
	8	12-14	3.0	0.0		Grey-brown SILT and fine SAND, some Gravel and Stone, very moist.	
1010 / 15	9	14-15		0.0			

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available;
SAA = Same As Above.
Analyses: 0-1': PCBs; 1-6': PCBs, SVOCs, Inorganics, PCDDs/PCDFs; 2-4': VOCs; 6-15': PCBs.
Duplicate Sample ID: RAA10-DUP-3 (VOCs, 2-4'); RAA10-DUP-4 (PCBs, SVOCs, Inorganics, PCDDs/PCDFs, 1-6').

Date Start/Finish: 07/25/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 535457
Easting: 136953.7
Casing Elevation: NA

Borehole Depth: 15' below grade
Surface Elevation: 1022.2

Descriptions By: JTG

Boring ID: RAA10-W-P8

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1025							
0	1	0-1	3.5	0.0		Brown and dark brown fine SAND, some Silt and Gravel.	Borehole backfilled with Bentonite.
1020	2	1-3		0.0		Brown fine to medium SAND.	
	3	3-4		0.0			
5	4	4-6	3.5	0.0			
1015	5	6-8		0.0			
	6	8-10	3.6	0.0		Brown tight SILT.	
10	7	10-12		0.0		Tan fine SAND, some Gravel and Stone.	
1010	8	12-14	1.6	0.0			
	9	14-15		0.0			
15							

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available; SAA = Same As Above.
Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 1-6': PCBs; 6-15': PCBs.

Project: 401.90.029
Data File: RAA10-W-P8.dat

Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2008.ldfx
Date: 11/11/08

Date Start/Finish: 08/25/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 535168.0
Easting: 137342.1
Casing Elevation: NA

Borehole Depth: 15' below grade
Surface Elevation: 1015.1

Descriptions By: MPB

Boring ID: RAA10-W-T12

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 1015	1	0-1	1.0	0.0		Brown fine SAND and SILT with GRAVEL, little Organic Material.	Borehole backfilled with Bentonite.
	2	1-3	3.2	0.0		Brown and dark brown SILT with fine SAND, some Gravel and Stone.	
	3	3-4		0.0			
5 / 1010	4	4-6		0.0			
	5	6-8	3.0	0.0		Grey-brown fine SAND and SILT, some Gravel and Stone.	
	6	8-10		0.0			
10 / 1005	7	10-12	4.0	0.0			
	8	12-14	2.8	0.0			
	9	14-15		0.0			
15 / 1000							

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available.
Analyses: 0-1': PCBs, VOCs, SVOCs, Inorganics, PCDDs/PCDFs; 1-6': PCBs; 6-15': PCBs.
The 0-1' sample was collected with a hand-driven macrocore 15' from the 1-15' sample which was collected with a truck-mounted power probe.
Sample location is within a paved area.

Date Start/Finish: 07/28/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 537167.5
Easting: 138356.1
Casing Elevation: NA

Borehole Depth: 6' below grade
Surface Elevation: 994.3

Descriptions By: JTG

Boring ID: UB-UTL-1

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995							
0	1	0-1	2.5	0.0		Dark brown fine SAND and GRAVEL.	Borehole backfilled with Bentonite.
	2	1-3		0.0		Brown and orange-brown fine SAND, some medium Sand and Gravel.	
	3	3-4		0.0			
990	4	4-6	1.9	0.0		Brown fine SAND, wet.	
5							
985							
10							
980							
15							

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available.
Analysis: 1-6': PCBs.
Sample location is within a paved area.
The water table is present at 5.0' bgs.

Project: 401.90.029
Data File: UB-UTL-1.dat

Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2008.ldfx
Date: 11/11/08

Date Start/Finish: 07/28/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 537527.1
Easting: 138580.2
Casing Elevation: NA

Borehole Depth: 6' below grade
Surface Elevation: 991.8

Descriptions By: JTG

Boring ID: UB-UTL-2

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
0 / 991	1	0-1	2.6	0.0		Grey-brown fine SAND with dark brown SILT and ORGANIC MATERIAL, some Gravel.
	2	1-3		0.0		Grey-brown fine SAND, some Gravel.
	3	3-4		0.0		
5 / 986	4	4-6	1.8	0.0		Grey, white and brown fine to medium SAND with WOOD, some Gravel, odor, wet.

Boring Construction: Borehole backfilled with Bentonite.

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available.
Analysis: 1-6': PCBs.
The water table is present at ~4.0' bgs.

Date Start/Finish: 07/28/08
Drilling Company: ARCADIS
Driller's Name: GAR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Truck-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 537497.8
Easting: 138591.4
Casing Elevation: NA

Borehole Depth: 6' below grade
Surface Elevation: 991.6

Descriptions By: JTG

Boring ID: UB-UTL-3

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
0 / 990	1	0-1	2.8	0.0		Dark grey-brown fine SAND with GRAVEL.
	2	1-3		0.0		Dark brown to black fine SAND with WOOD, some Gravel, odor.
	3	3-4		0.0		
5	4	4-6	1.8	0.0		Dark brown to black fine SAND, ASH, and CINDERS, some Slag and Gravel, strong odor, wet.
985						
10						
980						
15						

Boring Construction: Borehole backfilled with Bentonite.

ARCADIS
Infrastructure, environment, facilities

Remarks: bgs = below ground surface; NA = Not Applicable/Available.
Analysis: 1-6': PCBs.
Sample location is within a paved area.
The water table is present at ~4.0' bgs.

Project: 401.90.029
Data File: UB-UTL-3.dat
Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2008.ldfx
Date: 11/11/08

ARCADIS

Appendix B

Data Validation Report for Additional Supplemental Soil Samples Collected in July and August 2008

Appendix B
Data Validation Report for Additional Supplemental Soil Samples Collected in July and August 2008
Unkamet Brook Area – West

General Electric Company
Pittsfield, Massachusetts

1.0 General

This appendix summarizes the Tier I and II data review performed for soil samples collected in July and August 2008 as part of additional supplemental soil investigations conducted at Unkamet Brook Area - West, located within the General Electric Company/Housatonic River Site in Pittsfield, Massachusetts. The samples were analyzed for polychlorinated biphenyls (PCBs) and/or various other constituents listed in Appendix IX of 40 CFR Part 264 (excluding pesticides and herbicides), plus three additional constituents -- benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine (hereafter referred to as Appendix IX+3) by SGS Environmental Services, Inc. (formerly Paradigm Analytical Labs, Inc.) of Wilmington, North Carolina. Data validation was performed for 54 PCB samples, 17 volatile organic compound (VOC) samples, 17 semi-volatile organic compound (SVOC) samples, 17 metal samples, 17 cyanide samples, 17 sulfide samples, and 17 polychlorinated dibenzo-p-dioxin (PCDD)/polychlorinated dibenzofuran (PCDF) samples.

2.0 Data Evaluation Procedures

This appendix outlines the applicable quality control criteria utilized during the data review process and any deviations from those criteria. The data review was conducted in accordance with the following documents:

- *Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts,* ARCADIS BBL (as submitted by GE on March 30, 2007 following approval by EPA on March 15, 2007)*;*

- *Region I Tiered Organic and Inorganic Data Validation Guidelines*, USEPA Region I (July 1, 1993);

- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses,* USEPA Region I (June 13, 1988) (Modified February 1989);

- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, USEPA Region I (Draft, December 1996); and

- *National Functional Guidelines for Dioxin/Furan Data Validation,* USEPA (Draft, January 1996).

The data were validated to either a Tier I or Tier II level, as described below. Any deviations from the applicable quality control criteria utilized during the data review process are identified below. A tabulated summary of the Tier I/Tier II data review is presented in Table B-1. Each sample subject to evaluation is listed in Table B-1 to document that data review was performed. Samples that required data qualification are listed separately.

The following data qualifiers were used in this data evaluation:

J The compound was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound is detected at an estimated concentration less than the corresponding practical quantitation limit (PQL).

U The compound was analyzed for, but was not detected. The sample quantitation limit is presented. Non-detect sample results are presented as ND(PQL) within this report for consistency with documents previously prepared for investigations conducted at the GE-Pittsfield/Housatonic River Site.

UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is estimated and may or may not represent the actual level of quantitation. Non-detect sample results that required qualification are presented as ND(PQL) J within this report for consistency with documents previously prepared for investigations conducted at the GE-Pittsfield/Housatonic River Site.

R Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data should not be used for any qualitative or quantitative purpose.

3.0 Data Validation Procedures

Section 7.5 of the FSP/QAPP states that analytical data will be validated to a Tier I level following the procedures presented in the *Region I Tiered Organic and Inorganic Data Validation Guidelines* (EPA guidelines). The Tier I review consisted of a completeness evidence audit, as outlined in the *EPA Region I CSF Completeness Evidence Audit Program* (EPA Region I, July 31, 1991), to ensure that laboratory data and documentation were present. In the event data packages were determined to be incomplete, the missing information was requested from the laboratory. Upon completion of the Tier I review, the data packages complied with the EPA Region I Tier I data completeness requirements.

The Tier II data review consisted of a review of data package summary forms for identification of quality assurance/quality control (QA/QC) deviations and qualification of the data according to the Region I Data Validation Functional Guidelines. Additionally, field duplicates were examined for relative percent difference (RPD) compliance with the criteria specified in the FSP/QAPP.

A tabulated summary of the samples subject to Tier I and Tier II data review is presented in the following table.

Summary of Samples Subjected to Tier I and Tier II Data Validation

Parameter	Tier I Only			Tier I &Tier II			Total
	Samples	Duplicates	Blanks	Samples	Duplicates	Blanks	
PCBs	0	0	0	48	3	3	54
VOCs	0	0	0	15	1	1	17
SVOCs	0	0	0	15	1	1	17
Metals	0	0	0	15	1	1	17
PCDDs/PCDFs	0	0	0	15	1	1	17

Summary of Samples Subjected to Tier I and Tier II Data Validation

Parameter	Tier I Only			Tier I &Tier II			Total
	Samples	Duplicates	Blanks	Samples	Duplicates	Blanks	
Sulfides	0	0	0	15	1	1	17
Cyanides	0	0	0	15	1	1	17
Total	**0**	**0**	**0**	**138**	**9**	**9**	**156**

When qualification of the sample data was required, the sample results associated with a QA/QC parameter deviation were qualified in accordance with the procedures outlined in EPA Region I data validation guidance documents. When the data validation process identified several quality control deficiencies, the cumulative effect of the various deficiencies was employed in assigning the final data qualifier. A summary of the QA/QC parameter deviations that resulted in data qualification is presented in Section 4 below.

4.0 Summary of QA/QC Parameter Deviations Requiring Data Qualification

This section provides a summary of the deviations from the applicable QA/QC criteria that resulted in qualification of results.

The initial calibration criterion for organic analyses requires that the average relative response factor (RRF) has a value greater than 0.05. Sample results were qualified as estimated (J) when this criterion was not achieved. The compounds that did not achieve the initial calibration criterion and the number of samples qualified are presented in the following table.

Compounds Qualified Due to Initial Calibration Deviations (RRF)

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,2-Dibromo-3-chloropropane	2	J
	1,4-Dioxane	17	J
	2-Butanone	1	J
	2-Chloroethylvinylether	17	J
	Acetone	2	J
	Acetonitrile	17	J
	Acrolein	2	J
	Acrylonitrile	2	J
	Isobutanol	17	J
	Propionitrile	17	J
	trans-1,4-Dichloro-2-butene	1	J
SVOCs	1,3,5-Trinitrobenzene	1	J
	4-Nitroquinoline-1-oxide	1	J
	4-Phenylenediamine	16	J
	Hexachlorophene	17	J
	Methapyrilene	16	J
	Pentachlorophenol	1	J

Several of the organic compounds (including the compounds presented in the above tables detailing RRF deviations) exhibit instrument response factors (RFs) below the USEPA Region I minimum value of 0.05, but meet the analytical method criterion, which does not specify minimum RFs for these compounds. These compounds were analyzed by the laboratory at a higher concentration than the compounds that normally exhibit RFs greater than the USEPA Region I minimum value of 0.05 in an effort to demonstrate acceptable response. USEPA Region I guidelines state that non-detect compound results associated with a RF less than the minimum value of 0.05 are to be rejected (R). However, in the case of these select organic compounds, the RF is an inherent problem with the current analytical methodology; therefore, the non-detect sample results were qualified as estimated (J).

The continuing calibration criterion requires that the percent difference (%D) between the initial calibration RRF and the continuing calibration RRF for VOCs and SVOCs be less than 25%. Sample data for detect and non-detect compounds with %D values that exceeded the continuing calibration criteria were qualified as estimated (J). A summary of the compounds that exceeded the continuing calibration criterion and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to Continuing Calibration of %D Values

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,4-Dioxane	1	J
	2-Chloroethylvinylether	1	J
	2-Hexanone	1	J
	Acetonitrile	1	J
	Acrolein	7	J
	Bromomethane	16	J
	Iodomethane	9	J
	Isobutanol	16	J
SVOCs	1-Naphthylamine	15	J
	2-Naphthylamine	16	J
	4-Phenylenediamine	16	J
	Benzidine	6	J

Contract required detection limit (CRDL) standards were analyzed to evaluate instrument performance at low-level concentrations that are near the analytical method PQL. These standards are required to have recoveries between 80% and 120% to verify that the analytical instrumentation was properly calibrated. When CRDL standard recoveries were outside these control limits, the affected samples with detected results at or near the PQL concentration (i.e., less than three times the PQL) were qualified as estimated (J). The analytes that did not meet CRDL criteria and the number of samples qualified due to those deviations are presented in the following table.

Analytes Qualified Due to CRDL Standard Recovery Deviations

Analysis	Analyte	Number of Affected Samples	Qualification
Inorganics	Beryllium	10	J
	Cadmium	1	J
	Chromium	3	J
	Copper	16	J
	Lead	1	J
	Silver	2	J
	Thallium	17	J
	Tin	8	J

Matrix spike/matrix spike duplicate (MS/MSD) sample analysis recovery criteria for organics require that the MS/MSD recovery be within the laboratory-generated QC acceptance limits specified on the MS/MSD reporting form and inorganics MS/MSD recoveries must be within 75% to 125%. Organic and inorganic sample results associated with MS/MSD recoveries less than the specified control limit, but greater than 10% and 30%, respectively, were qualified as estimated (J) and sample results associated with MS/MSD recoveries less than 10% and 30%, respectively, were qualified as rejected (R). The compounds/analytes that did not meet MS/MSD recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

Compounds/Analytes Qualified Due to MS/MSD Recovery Deviations

Analysis	Compound/Analyte	Number of Affected Samples	Qualification
VOCs	Acrolein	1	R
	Methylene Chloride	1	J
SVOCs	Benzo(a)pyrene	1	J
	2,4-Dimethylphenol	1	J
Inorganics	Antimony	6	J
	Zinc	1	J
Miscellaneous	Sulfide	2	J

MS/MSD sample analysis recovery criteria for organics require that the RPD between the MS and MSD recoveries be less than the laboratory-generated QC acceptance limits specified on the MS/MSD reporting form. The analyte that exceeded the RPD limit and the number of samples qualified due to deviations are presented in the following table.

Analyte Qualified Due to MS/MSD RPD Deviations

Analysis	Analyte	Number of Affected Samples	Qualification
Inorganics	Barium	6	J

Blank action levels for compounds/analytes detected in the blanks were calculated at five times the blank concentrations. Detected sample results that were below the blank action level were qualified with a "U." The compounds/analytes detected in method/analytical blanks which resulted in qualification of sample data, along with the number of affected samples, are presented in the following table.

Compounds/Analytes Qualified Due to Blank Deviations

Analysis	Compound/Analyte	Number of Affected Samples	Qualification
PCDDs/PCDFs	1,2,3,4,6,7,8-HpCDD	2	U
	HpCDDs (total)	3	U
	OCDD	7	U
	OCDF	1	U
Inorganics	Silver	1	U
	Tin	7	U

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) sample analysis recovery criteria for organics require that the LCS/LCSD recovery be within the laboratory-generated QC acceptance limits specified on the LCS/LCSD reporting form. Organic sample results associated with LCS/LCSD recoveries less than the specified control limit but greater than 10% were qualified as estimated (J) and sample results associated with LCS/LCSD recoveries less than 10% were qualified as rejected (R). The compounds that did not meet LCS/LCSD recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to LCS/LCSD Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	Acrolein	9	R
SVOCs	Benzo(b)fluoranthene	1	J
	Hexachlorobutadiene	1	J

Internal standard compounds for SVOC analysis are required to have area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts for the continuing calibration standard. SVOC sample results for the associated compounds were qualified as estimated (J) when the internal standard recovery was less than 50% but greater than 20%. Compounds associated with internal standards which did not meet the recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to Internal Standard Deviations

Analysis	Compound	Number of Affected Samples	Qualification
SVOCS	3-Methylcholanthrene	1	J
	7,12-Dimethylbenz(a)anthracene	1	J
	Benzo(a)pyrene	1	J
	Benzo(b)fluoranthene	1	J
	Benzo(g,h,i)perylene	1	J
	Benzo(k)fluoranthene	1	J
	Dibenzo(a,h)anthracene	1	J
	Di-n-Octylphthalate	1	J
	Indeno(1,2,3-cd)pyrene	1	J

According to the laboratory narrative, during PCDD/PCDF analysis, the presence of qualitative interference could cause a false positive or an overestimation of the affected analytes. The PCDD/PCDF compounds that exhibited qualitative interference contamination are presented in the following table.

Compounds Qualified Due to Qualitative Interference Contamination Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCDDs/PCDFs	1,2,3,7,8-PeCDD	1	J
	2,3,7,8-TCDD	1	J
	2,3,7,8-TCDF	1	J
	HxCDDs (total)	1	J
	PeCDDs (total)	1	J
	PeCDFs (total)	2	J
	TCDDs (total)	1	J
	TCDFs (total)	1	J

5.0 Overall Data Usability

This section summarizes the analytical data in terms of its completeness and usability. Data completeness is defined as the percentage of sample results that have been determined to be usable during the data validation process. The percent usability calculation included analyses evaluated under both the Tier I/II data validation reviews. The percent usability calculation also includes quality control samples (i.e., field/equipment blanks, trip blanks, and field duplicates) to aid in the evaluation of data usability. Data usability is summarized in the following table.

Data Usability

Parameter	Percent Usability	Rejected Data
VOCs	99.1	A total of nine sample results were rejected due to LCS/LCSD recovery deviations and one sample result was rejected due to MS/MSD recovery deviations.
SVOCs	100	None
PCBs	100	None
PCDDs/PCDFs	100	None
Metals	100	None
Sulfides	100	None
Cyanides	100	None

The data package completeness, as determined from the Tier I data review, was used in combination with the data quality deviations identified during the Tier II data review to determine overall data quality. As specified in the FSP/QAPP, the overall precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters determined from the Tier I and Tier II data reviews were used as indicators of overall data quality. These parameters were assessed through an evaluation of the results of the field and laboratory QA/QC sample analyses to provide a measure of compliance of the analytical data with the Data Quality Objectives (DQOs) specified in the FSP/QAPP. Therefore, the following sections present summaries of the PARCC parameters assessment with regard to the DQOs specified in the FSP/QAPP.

5.1 Precision

Precision measures the reproducibility of measurements under a given set of conditions. Specifically, it is a quantitative measure of the variability of a group of measurements compared to their average value. For this investigation, precision was defined as the RPD between duplicate sample results. The duplicate samples used to evaluate precision included field duplicates, MS/MSD samples, and LCS/LCSD samples. For this analytical program, 0.15% of the data required qualification due to MS/MSD RPD deviations. None of the data required qualification due to field duplicate RPD deviations or LCS/LCSD RPD deviations.

5.2 Accuracy

Accuracy measures the bias in an analytical system or the degree of agreement of a measurement with a known reference value. For this investigation, accuracy was defined as the percent recovery of QA/QC samples that were spiked with a known concentration of an analyte or compound of interest. The QA/QC samples used to evaluate analytical accuracy included instrument calibration, internal standards, LCS/LCSDs, MS/MSD samples, CRDL samples, and surrogate compound recoveries. For this analytical program, 6.2% of the data required qualification due to instrument calibration deviations, 0.22% of the data was qualified due to internal standard recovery deviations, 0.27% of the data required qualification due to LCS/LCSD recovery deviations, 0.32% of the data required qualification due to MS/MSD recovery deviations, and 1.4% of the data required qualification due to CRDL recovery deviations. None of the data required qualification due to surrogate compound recovery deviations.

5.3 Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is a qualitative parameter, which is most concerned with the proper design of the sampling program. The representativeness criterion is best satisfied by making certain that sampling locations are selected properly and a sufficient number of samples are collected. This parameter has been addressed by collecting samples at locations specified in the EPA-approved work plans, and by following the procedures for sample collection/analyses that were described in the FSP/QAPP. Additionally, the analytical program used procedures consistent with EPA-approved analytical methodology. A QA/QC parameter that is an indicator of the representativeness of a sample is holding time. Holding time criteria are established to maintain the samples in a state that is representative of the in-situ field conditions before analysis. For this analytical data set, none of the data required qualification due to holding time deviations.

5.4 Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. This goal was achieved through the use of the standardized techniques for sample collection and analysis presented in the FSP/QAPP. Specifically, all the groundwater samples collected in July and August 2008 were analyzed by EPA SW-846 method 8082 for PCBs, 8260 for VOCs, 8270 for SVOCs, 8290 for PCDDs/PCDFs, 6000/7000 for metals, 9030 for sulfides, and 9014 for cyanides.

5.5 Completeness

Completeness is defined as the percentage of measurements that are judged to be valid or usable to meet the prescribed DQOs. The completeness criterion is essentially the same for all data uses -- the generation of a sufficient amount of valid data. The actual completeness of this analytical data set ranged from 99.1% to 100% for individual analytical parameters and had an overall usability of 99.9%, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP.

Table B-1
Analytical Data Validation Summary
Unkamet Brook Area-West Soil Sampling - July and August 2008

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCBs											
G135-700	RAA10-DUP-1 (1 - 6)	7/22/2008	Soil	Tier II	No						Parent Sample RAA10-W-I3
G135-700	RAA10-RB-1	7/22/2008	Water	Tier II	No						
G135-700	RAA10-W-G5 (0 - 1)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-G5 (1 - 6)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-G5 (6 - 15)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-H3 (0 - 1)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-H3 (1 - 6)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-H3 (6 - 15)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-I3 (0 - 1)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-I3 (1 - 6)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-I3 (6 - 15)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-I5 (0 - 1)	7/21/2008	Soil	Tier II	No						
G135-700	RAA10-W-I5 (1 - 6)	7/21/2008	Soil	Tier II	No						
G135-700	RAA10-W-I5 (6 - 12)	7/21/2008	Soil	Tier II	No						
G135-700	RAA10-W-J2 (0 - 1)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-J2 (1 - 6)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-J2 (6 - 15)	7/22/2008	Soil	Tier II	No						
G135-702	RAA10-DUP-2 (0 - 1)	7/23/2008	Soil	Tier II	No						Parent Sample RAA10-W-H5
G135-702	RAA10-RB-2	7/23/2008	Water	Tier II	No						
G135-702	RAA10-W-H5 (0 - 1)	7/23/2008	Soil	Tier II	No						
G135-702	RAA10-W-H5 (1 - 6)	7/23/2008	Soil	Tier II	No						
G135-702	RAA10-W-H5 (6 - 15)	7/23/2008	Soil	Tier II	No						
G135-702	RAA10-W-I4 (0 - 1)	7/23/2008	Soil	Tier II	No						
G135-702	RAA10-W-I4 (1 - 6)	7/23/2008	Soil	Tier II	No						
G135-702	RAA10-W-I4 (6 - 15)	7/23/2008	Soil	Tier II	No						
G135-702	RAA10-W-J3 (0 - 1)	7/23/2008	Soil	Tier II	No						
G135-702	RAA10-W-J3 (1 - 6)	7/23/2008	Soil	Tier II	No						
G135-702	RAA10-W-J3 (6 - 15)	7/23/2008	Soil	Tier II	No						
G135-703	RAA10-RB-3	7/24/2008	Water	Tier II	No						
G135-703	RAA10-W-H6 (0 - 1)	7/24/2008	Soil	Tier II	No						
G135-703	RAA10-W-H6 (1 - 6)	7/24/2008	Soil	Tier II	No						
G135-703	RAA10-W-H6 (6 - 12)	7/24/2008	Soil	Tier II	No						
G135-704	RAA10-DUP-4 (1 - 6)	7/25/2008	Soil	Tier II	No						Parent Sample RAA10-W-N8
G135-704	RAA10-W-I6 (0 - 1)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-I6 (1 - 6)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-I6 (6 - 11)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-J5 (0 - 1)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-J5 (1 - 6)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-J5 (6 - 8)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-M7 (0 - 1)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-M7 (1 - 6)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-M7 (6 - 15)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-N8 (0 - 1)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-N8 (1 - 6)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-N8 (6 - 15)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-P8 (0 - 1)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-P8 (1 - 6)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-P8 (6 - 15)	7/25/2008	Soil	Tier II	No						
G135-705	UB-UTL-1 (1 - 6)	7/28/2008	Soil	Tier II	No						
G135-705	UB-UTL-2 (1 - 6)	7/28/2008	Soil	Tier II	No						
G135-705	UB-UTL-3 (1 - 6)	7/28/2008	Soil	Tier II	No						
G582-70	RAA10-W-T12 (0 - 1)	8/25/2008	Soil	Tier II	No						
G582-70	RAA10-W-T12 (1 - 6)	8/25/2008	Soil	Tier II	No						
G582-70	RAA10-W-T12 (6 - 15)	8/25/2008	Soil	Tier II	No						
Metals											
G135-700	RAA10-W-G5 (0 - 1)	7/22/2008	Soil	Tier II	Yes	Copper	CRDL Standard %R	132.0%	80% to 120%	37.1 J	
						Thallium	CRDL Standard %R	49.9%	80% to 120%	1.24 J	
						Tin	Method Blank	-	-	ND(10.3)	
G135-700	RAA10-W-G5 (1 - 6)	7/22/2008	Soil	Tier II	Yes	Copper	CRDL Standard %R	132.0%	80% to 120%	15.7 J	
						Thallium	CRDL Standard %R	49.9%	80% to 120%	ND(1.02) J	
G135-700	RAA10-W-H3 (1 - 6)	7/22/2008	Soil	Tier II	Yes	Copper	CRDL Standard %R	132.0%	80% to 120%	28.5 J	
						Thallium	CRDL Standard %R	49.9%	80% to 120%	ND(1.12) J	
G135-700	RAA10-W-J2 (0 - 1)	7/22/2008	Soil	Tier II	Yes	Copper	CRDL Standard %R	132.0%	80% to 120%	35.3 J	
						Thallium	CRDL Standard %R	49.9%	80% to 120%	ND(0.994) J	
						Tin	Method Blank	-	-	ND(9.94)	
G135-700	RAA10-W-J2 (6 - 15)	7/22/2008	Soil	Tier II	Yes	Copper	CRDL Standard %R	132.0%	80% to 120%	58.0 J	
						Thallium	CRDL Standard %R	49.9%	80% to 120%	ND(1.13) J	

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Unkamet Brook Area-West Soil Sampling - July and August 2008

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Metals (continued)											
G135-700	RAA10-W-J2 (6 - 15)	7/22/2008	Soil	Tier II	Yes	Tin	Method Blank	-	-	ND(11.3)	
G135-702	RAA10-W-I4 (0 - 1)	7/23/2008	Soil	Tier II	Yes	Thallium	CRDL Standard %R	49.9%	80% to 120%	1.28 J	
						Tin	Method Blank	-	-	ND(9.93)	
G135-702	RAA10-W-I4 (1 - 6)	7/23/2008	Soil	Tier II	Yes	Copper	CRDL Standard %R	132.0%	80% to 120%	14.8 J	
						Thallium	CRDL Standard %R	49.9%	80% to 120%	ND(1.04) J	
						Tin	Method Blank	-	-	ND(10.4)	
G135-703	RAA10-RB-3	7/24/2008	Water	Tier II	Yes	Copper	CRDL Standard %R	163.0%	80% to 120%	ND(0.0100) J	
						Beryllium	CRDL Standard %R	78.9%	80% to 120%	ND(0.00500) J	
						Cadmium	CRDL Standard %R	138.0%	80% to 120%	0.00144 J	
						Chromium	CRDL Standard %R	144.0%	80% to 120%	0.00367 J	
						Lead	CRDL Standard %R	137.0%	80% to 120%	ND(0.0100) J	
						Silver	CRDL Standard %R	126.0%	80% to 120%	0.00153 J	
						Thallium	CRDL Standard %R	21.3%	80% to 120%	ND(0.0100) J	
G135-703	RAA10-W-H6 (0 - 1)	7/24/2008	Soil	Tier II	Yes	Beryllium	CRDL Standard %R	71.4%	80% to 120%	ND(1.06) J	
						Chromium	CRDL Standard %R	124.0%	80% to 120%	4.06 J	
						Copper	CRDL Standard %R	127.0%	80% to 120%	8.90 J	
						Thallium	CRDL Standard %R	16.1%	80% to 120%	ND(1.06) J	
						Tin	CRDL Standard %R	126.0%	80% to 120%	ND(10.6) J	
G135-703	RAA10-W-H6 (6 - 12)	7/24/2008	Soil	Tier II	Yes	Beryllium	CRDL Standard %R	71.4%	80% to 120%	ND(1.14) J	
						Chromium	CRDL Standard %R	124.0%	80% to 120%	10.0 J	
						Copper	CRDL Standard %R	127.0%	80% to 120%	14.8 J	
						Thallium	CRDL Standard %R	16.1%	80% to 120%	ND(1.14) J	
						Tin	CRDL Standard %R	126.0%	80% to 120%	ND(11.4) J	
G135-704	RAA10-DUP-4 (1 - 6)	7/25/2008	Soil	Tier II	Yes	Antimony	MS/MSD %R	49.3%, 48.7%	75% to 125%	ND(4.40) J	Parent Sample RAA10-W-N8
						Barium	MS/MSD RPD	22.9%	<20%	20.9 J	
						Beryllium	CRDL Standard %R	71.4%	80% to 120%	ND(1.10) J	
						Copper	CRDL Standard %R	127.0%	80% to 120%	12.4 J	
						Thallium	CRDL Standard %R	16.1%	80% to 120%	ND(1.10) J	
						Tin	CRDL Standard %R	126.0%	80% to 120%	0.446 J	
						Tin	Method Blank	-	-	0.446 J	
G135-704	RAA10-W-J5 (1 - 6)	7/25/2008	Soil	Tier II	Yes	Antimony	MS/MSD %R	49.3%, 48.7%	75% to 125%	ND(3.84) J	
						Barium	MS/MSD RPD	22.9%	<20%	34.0 J	
						Beryllium	CRDL Standard %R	71.4%	80% to 120%	ND(0.961) J	
						Copper	CRDL Standard %R	127.0%	80% to 120%	18.3 J	
						Thallium	CRDL Standard %R	16.1%	80% to 120%	0.905 J	
						Tin	CRDL Standard %R	126.0%	80% to 120%	ND(9.61) J	
G135-704	RAA10-W-M7 (0 - 1)	7/25/2008	Soil	Tier II	Yes	Antimony	MS/MSD %R	49.3%, 48.7%	75% to 125%	ND(4.30) J	
						Barium	MS/MSD RPD	22.9%	<20%	35.5 J	
						Beryllium	CRDL Standard %R	71.4%	80% to 120%	0.867 J	
						Copper	CRDL Standard %R	127.0%	80% to 120%	19.4 J	
						Thallium	CRDL Standard %R	16.1%	80% to 120%	ND(1.08) J	
						Tin	CRDL Standard %R	126.0%	80% to 120%	ND(10.8) J	
G135-704	RAA10-W-M7 (6 - 15)	7/25/2008	Soil	Tier II	Yes	Antimony	MS/MSD %R	49.3%, 48.7%	75% to 125%	ND(4.31) J	
						Barium	MS/MSD RPD	22.9%	<20%	17.6 J	
						Beryllium	CRDL Standard %R	71.4%	80% to 120%	ND(1.08) J	
						Copper	CRDL Standard %R	127.0%	80% to 120%	11.4 J	
						Thallium	CRDL Standard %R	16.1%	80% to 120%	ND(1.08) J	
						Tin	CRDL Standard %R	126.0%	80% to 120%	ND(10.8) J	
G135-704	RAA10-W-N8 (1 - 6)	7/25/2008	Soil	Tier II	Yes	Antimony	MS/MSD %R	49.3%, 48.7%	75% to 125%	ND(4.24) J	
						Barium	MS/MSD RPD	22.9%	<20%	19.7 J	
						Beryllium	CRDL Standard %R	71.4%	80% to 120%	ND(1.06) J	
						Copper	CRDL Standard %R	127.0%	80% to 120%	11.6 J	
						Thallium	CRDL Standard %R	16.1%	80% to 120%	ND(1.06) J	
						Tin	CRDL Standard %R	126.0%	80% to 120%	ND(10.6) J	
G135-704	RAA10-W-P8 (0 - 1)	7/25/2008	Soil	Tier II	Yes	Antimony	MS/MSD %R	49.3%, 48.7%	75% to 125%	ND(3.86) J	
						Barium	MS/MSD RPD	22.9%	<20%	37.9 J	
						Beryllium	CRDL Standard %R	71.4%	80% to 120%	ND(0.965) J	
						Copper	CRDL Standard %R	127.0%	80% to 120%	20.6 J	
						Thallium	CRDL Standard %R	16.1%	80% to 120%	ND(0.965) J	
						Tin	CRDL Standard %R	126.0%	80% to 120%	0.481 J	
						Tin	Method Blank	-	-	0.481 J	
G582-70	RAA10-W-T12 (0 - 1)	8/25/2008	Soil	Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	ND(1.05) J	
						Copper	CRDL Standard %R	132.0%	80% to 120%	20.4 J	
						Silver	CRDL Standard %R	125.0%	80% to 120%	ND(1.05) J	
						Silver	Method Blank	-	-	ND(1.05)	
						Thallium	CRDL Standard %R	153.0%	80% to 120%	1.89 J	

Table B-1
Analytical Data Validation Summary
Unkamet Brook Area-West Soil Sampling - July and August 2008

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Metals (continued)											
G582-70	RAA10-W-T12 (0 - 1)	8/25/2008	Soil	Tier II	Yes	Zinc	MS/MSD %R	213%, 179%	75% to 125%	82.2 J	
VOCs											
G135-700	RAA10-W-G5 (0 - 1)	7/22/2008	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(5.3) J	
						2-Chloroethylvinylether	ICAL RRF	0.009	>0.05	ND(0.027) J	
						Acetonitrile	ICAL RRF	0.016	>0.05	ND(1.1) J	
						Acrolein	LCS/LCSD %R	0.0%, 0.0%	16.7% to 200%	R	
						Bromomethane	CCAL %D	76.0%	<25%	ND(0.0053) J	
						Iodomethane	CCAL %D	36.7%	<25%	ND(0.0053) J	
						Isobutanol	ICAL RRF	0.009	>0.05	ND(2.7) J	
						Isobutanol	CCAL %D	100.0%	<25%	ND(2.7) J	
						Propionitrile	ICAL RRF	0.024	>0.05	ND(1.1) J	
G135-700	RAA10-W-G5 (3 - 4)	7/22/2008	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(5.9) J	
						2-Chloroethylvinylether	ICAL RRF	0.009	>0.05	ND(0.029) J	
						Acetonitrile	ICAL RRF	0.016	>0.05	ND(1.2) J	
						Acrolein	LCS/LCSD %R	0.0%, 0.0%	16.7% to 200%	R	
						Bromomethane	CCAL %D	76.0%	<25%	ND(0.0059) J	
						Iodomethane	CCAL %D	36.7%	<25%	ND(0.0059) J	
						Isobutanol	ICAL RRF	0.009	>0.05	ND(2.9) J	
						Isobutanol	CCAL %D	100.0%	<25%	ND(2.9) J	
						Propionitrile	ICAL RRF	0.024	>0.05	ND(1.2) J	
G135-700	RAA10-W-H3 (4 - 6)	7/22/2008	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(5.5) J	
						2-Chloroethylvinylether	ICAL RRF	0.009	>0.05	ND(0.028) J	
						Acetonitrile	ICAL RRF	0.016	>0.05	ND(1.1) J	
						Acrolein	LCS/LCSD %R	0.0%, 0.0%	16.7% to 200%	R	
						Bromomethane	CCAL %D	76.0%	<25%	ND(0.0055) J	
						Iodomethane	CCAL %D	36.7%	<25%	ND(0.0055) J	
						Isobutanol	ICAL RRF	0.009	>0.05	ND(2.8) J	
						Isobutanol	CCAL %D	100.0%	<25%	ND(2.8) J	
						Propionitrile	ICAL RRF	0.024	>0.05	ND(1.1) J	
G135-700	RAA10-W-J2 (0 - 1)	7/22/2008	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(4.9) J	
						2-Chloroethylvinylether	ICAL RRF	0.009	>0.05	ND(0.024) J	
						Acetonitrile	ICAL RRF	0.016	>0.05	ND(0.97) J	
						Acrolein	LCS/LCSD %R	0.0%, 0.0%	16.7% to 200%	R	
						Bromomethane	CCAL %D	76.0%	<25%	ND(0.0049) J	
						Iodomethane	CCAL %D	36.7%	<25%	ND(0.0049) J	
						Isobutanol	ICAL RRF	0.009	>0.05	ND(2.4) J	
						Isobutanol	CCAL %D	100.0%	<25%	ND(2.4) J	
						Propionitrile	ICAL RRF	0.024	>0.05	ND(0.97) J	
G135-700	RAA10-W-J2 (8 - 10)	7/22/2008	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(5.5) J	
						2-Chloroethylvinylether	ICAL RRF	0.009	>0.05	ND(0.028) J	
						Acetonitrile	ICAL RRF	0.016	>0.05	ND(1.1) J	
						Acrolein	LCS/LCSD %R	0.0%, 0.0%	16.7% to 200%	R	
						Bromomethane	CCAL %D	76.0%	<25%	ND(0.0055) J	
						Iodomethane	CCAL %D	36.7%	<25%	ND(0.0055) J	
						Isobutanol	ICAL RRF	0.009	>0.05	ND(2.8) J	
						Isobutanol	CCAL %D	100.0%	<25%	ND(2.8) J	
						Propionitrile	ICAL RRF	0.024	>0.05	ND(1.1) J	
G135-702	RAA10-W-I4 (0 - 1)	7/23/2008	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(5.5) J	
						2-Chloroethylvinylether	ICAL RRF	0.009	>0.05	ND(0.027) J	
						Acetonitrile	ICAL RRF	0.016	>0.05	ND(1.1) J	
						Acrolein	LCS/LCSD %R	0.0%, 0.0%	16.7% to 200%	R	
						Bromomethane	CCAL %D	76.0%	<25%	ND(0.0055) J	
						Iodomethane	CCAL %D	36.7%	<25%	ND(0.0055) J	
						Isobutanol	ICAL RRF	0.009	>0.05	ND(2.7) J	
						Isobutanol	CCAL %D	100.0%	<25%	ND(2.7) J	
						Propionitrile	ICAL RRF	0.024	>0.05	ND(1.1) J	
G135-702	RAA10-W-I4 (4 - 6)	7/23/2008	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(5.0) J	
						2-Chloroethylvinylether	ICAL RRF	0.009	>0.05	ND(0.025) J	
						Acetonitrile	ICAL RRF	0.016	>0.05	ND(0.99) J	
						Acrolein	LCS/LCSD %R	0.0%, 0.0%	16.7% to 200%	R	
						Bromomethane	CCAL %D	76.0%	<25%	ND(0.0050) J	
						Iodomethane	CCAL %D	36.7%	<25%	ND(0.0050) J	
						Isobutanol	ICAL RRF	0.009	>0.05	ND(2.5) J	
						Isobutanol	CCAL %D	100.0%	<25%	ND(2.5) J	
						Propionitrile	ICAL RRF	0.024	>0.05	ND(0.99) J	
G135-703	RAA10-RB-3	7/24/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.016	>0.05	ND(0.0050) J	

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Unkamet Brook Area-West Soil Sampling - July and August 2008

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
G135-703	RAA10-RB-3	7/24/2008	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						1,4-Dioxane	CCAL %D	100.0%	<25%	ND(0.10) J	
						2-Butanone	ICAL RRF	0.035	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.017	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	44.6%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acetonitrile	CCAL %D	28.6%	<25%	ND(0.020) J	
						Acrolein	ICAL RRF	0.015	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	33.3%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.029	>0.05	ND(0.025) J	
						Bromomethane	CCAL %D	30.7%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(0.050) J	
						Propionitrile	ICAL RRF	0.010	>0.05	ND(0.020) J	
G135-703	RAA10-W-H6 (0 - 1)	7/24/2008	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(5.1) J	
						2-Chloroethylvinylether	ICAL RRF	0.009	>0.05	ND(0.026) J	
						Acetonitrile	ICAL RRF	0.016	>0.05	ND(1.0) J	
						Acrolein	LCS/LCSD %R	0.0%, 0.0%	16.7% to 200%	R	
						Bromomethane	CCAL %D	76.0%	<25%	ND(0.0051) J	
						Iodomethane	CCAL %D	36.7%	<25%	ND(0.0051) J	
						Isobutanol	ICAL RRF	0.009	>0.05	ND(2.6) J	
						Isobutanol	CCAL %D	100.0%	<25%	ND(2.6) J	
						Propionitrile	ICAL RRF	0.024	>0.05	ND(1.0) J	
G135-703	RAA10-W-H6 (10 - 12)	7/24/2008	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(5.6) J	
						2-Chloroethylvinylether	ICAL RRF	0.009	>0.05	ND(0.028) J	
						Acetonitrile	ICAL RRF	0.016	>0.05	ND(1.1) J	
						Acrolein	LCS/LCSD %R	0.0%, 0.0%	16.7% to 200%	R	
						Bromomethane	CCAL %D	76.0%	<25%	ND(0.0056) J	
						Iodomethane	CCAL %D	36.7%	<25%	ND(0.0056) J	
						Isobutanol	ICAL RRF	0.009	>0.05	ND(2.8) J	
						Isobutanol	CCAL %D	100.0%	<25%	ND(2.8) J	
						Propionitrile	ICAL RRF	0.024	>0.05	ND(1.1) J	
G135-704	RAA10-DUP-3 (2 - 4)	7/25/2008	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(5.4) J	Parent Sample RAA10-W-N8
						2-Chloroethylvinylether	ICAL RRF	0.009	>0.05	ND(0.027) J	
						Acetonitrile	ICAL RRF	0.016	>0.05	ND(1.1) J	
						Acrolein	CCAL %D	100.0%	<25%	ND(0.066) J	
						Bromomethane	CCAL %D	64.6%	<25%	ND(0.0054) J	
						Isobutanol	ICAL RRF	0.009	>0.05	ND(2.7) J	
						Isobutanol	CCAL %D	100.0%	<25%	ND(2.7) J	
						Propionitrile	ICAL RRF	0.024	>0.05	ND(1.1) J	
G135-704	RAA10-W-J5 (1 - 3)	7/25/2008	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(5.8) J	
						2-Chloroethylvinylether	ICAL RRF	0.009	>0.05	ND(0.029) J	
						Acetonitrile	ICAL RRF	0.016	>0.05	ND(1.2) J	
						Acrolein	CCAL %D	100.0%	<25%	ND(0.071) J	
						Bromomethane	CCAL %D	64.6%	<25%	ND(0.0058) J	
						Isobutanol	ICAL RRF	0.009	>0.05	ND(2.9) J	
						Isobutanol	CCAL %D	100.0%	<25%	ND(2.9) J	
						Propionitrile	ICAL RRF	0.024	>0.05	ND(1.2) J	
G135-704	RAA10-W-M7 (0 - 1)	7/25/2008	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(4.6) J	
						2-Chloroethylvinylether	ICAL RRF	0.009	>0.05	ND(0.023) J	
						Acetonitrile	ICAL RRF	0.016	>0.05	ND(0.92) J	
						Acrolein	CCAL %D	100.0%	<25%	ND(0.057) J	
						Bromomethane	CCAL %D	64.6%	<25%	ND(0.0046) J	
						Isobutanol	ICAL RRF	0.009	>0.05	ND(2.3) J	
						Isobutanol	CCAL %D	100.0%	<25%	ND(2.3) J	
						Propionitrile	ICAL RRF	0.024	>0.05	ND(0.92) J	
G135-704	RAA10-W-M7 (6 - 8)	7/25/2008	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(5.0) J	
						2-Chloroethylvinylether	ICAL RRF	0.009	>0.05	ND(0.025) J	
						Acetonitrile	ICAL RRF	0.016	>0.05	ND(0.99) J	
						Acrolein	MS/MSD %R	0.0%, 0.0%	10.0% to 200%	R	
						Bromomethane	CCAL %D	64.6%	<25%	ND(0.0050) J	
						Isobutanol	ICAL RRF	0.009	>0.05	ND(2.5) J	
						Isobutanol	CCAL %D	100.0%	<25%	ND(2.5) J	
						Methylene Chloride	MS/MSD %R	24.6%, 24.8%	48.6% to 155%	ND(0.0050) J	
						Propionitrile	ICAL RRF	0.024	>0.05	ND(0.99) J	

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Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
G135-704	RAA10-W-N8 (3 - 4)	7/25/2008	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(5.4) J	
						2-Chloroethylvinylether	ICAL RRF	0.009	>0.05	ND(0.027) J	
						Acetonitrile	ICAL RRF	0.016	>0.05	ND(1.1) J	
						Acrolein	CCAL %D	100.0%	<25%	ND(0.067) J	
						Bromomethane	CCAL %D	64.6%	<25%	ND(0.0054) J	
						Isobutanol	ICAL RRF	0.009	>0.05	ND(2.7) J	
						Isobutanol	CCAL %D	100.0%	<25%	ND(2.7) J	
						Propionitrile	ICAL RRF	0.024	>0.05	ND(1.1) J	
G135-704	RAA10-W-P8 (0 - 1)	7/25/2008	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(5.3) J	
						2-Chloroethylvinylether	ICAL RRF	0.009	>0.05	ND(0.026) J	
						Acetonitrile	ICAL RRF	0.016	>0.05	ND(1.1) J	
						Acrolein	CCAL %D	100.0%	<25%	ND(0.065) J	
						Bromomethane	CCAL %D	64.6%	<25%	ND(0.0053) J	
						Isobutanol	ICAL RRF	0.009	>0.05	ND(2.6) J	
						Isobutanol	CCAL %D	100.0%	<25%	ND(2.6) J	
						Propionitrile	ICAL RRF	0.024	>0.05	ND(1.1) J	
G582-70	RAA10-W-T12 (0 - 1)	8/25/2008	Soil	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.040	>0.05	ND(0.025) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(4.9) J	
						2-Chloroethylvinylether	ICAL RRF	0.002	>0.05	ND(0.025) J	
						2-Chloroethylvinylether	CCAL %D	50.0%	<25%	ND(0.025) J	
						Acetone	ICAL RRF	0.045	>0.05	0.070 J	
						Acetonitrile	ICAL RRF	0.012	>0.05	ND(0.99) J	
						Acrolein	ICAL RRF	0.003	>0.05	ND(0.061) J	
						Acrolein	CCAL %D	66.7%	<25%	ND(0.061) J	
						Acrylonitrile	ICAL RRF	0.044	>0.05	ND(0.049) J	
						Isobutanol	ICAL RRF	0.006	>0.05	ND(2.5) J	
						Propionitrile	ICAL RRF	0.018	>0.05	ND(0.99) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.045	>0.05	ND(0.011) J	
SVOCs											
G135-700	RAA10-W-G5 (0 - 1)	7/22/2008	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	32.7%	<25%	ND(1.6) J	
						2-Naphthylamine	CCAL %D	50.3%	<25%	ND(1.6) J	
						4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.64) J	
						4-Phenylenediamine	CCAL %D	60.7%	<25%	ND(0.64) J	
						Hexachlorophene	ICAL RRF	0.031	>0.05	ND(0.32) J	
						Methapyrilene	ICAL RRF	0.038	>0.05	ND(0.32) J	
G135-700	RAA10-W-G5 (1 - 6)	7/22/2008	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	32.7%	<25%	ND(1.8) J	
						2-Naphthylamine	CCAL %D	50.3%	<25%	ND(1.8) J	
						4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.71) J	
						4-Phenylenediamine	CCAL %D	60.7%	<25%	ND(0.71) J	
						Hexachlorophene	ICAL RRF	0.031	>0.05	ND(0.35) J	
						Methapyrilene	ICAL RRF	0.038	>0.05	ND(0.35) J	
G135-700	RAA10-W-H3 (1 - 6)	7/22/2008	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	32.7%	<25%	ND(1.8) J	
						2-Naphthylamine	CCAL %D	50.3%	<25%	ND(1.8) J	
						4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.73) J	
						4-Phenylenediamine	CCAL %D	60.7%	<25%	ND(0.73) J	
						Hexachlorophene	ICAL RRF	0.031	>0.05	ND(0.36) J	
						Methapyrilene	ICAL RRF	0.038	>0.05	ND(0.36) J	
G135-700	RAA10-W-J2 (0 - 1)	7/22/2008	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	32.7%	<25%	ND(1.6) J	
						2-Naphthylamine	CCAL %D	50.3%	<25%	ND(1.6) J	
						4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.64) J	
						4-Phenylenediamine	CCAL %D	60.7%	<25%	ND(0.64) J	
						Hexachlorophene	ICAL RRF	0.031	>0.05	ND(0.32) J	
						Methapyrilene	ICAL RRF	0.038	>0.05	ND(0.32) J	
G135-700	RAA10-W-J2 (6 - 15)	7/22/2008	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	32.7%	<25%	ND(1.7) J	
						2-Naphthylamine	CCAL %D	50.3%	<25%	ND(1.7) J	
						4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.69) J	
						4-Phenylenediamine	CCAL %D	60.7%	<25%	ND(0.69) J	
						Hexachlorophene	ICAL RRF	0.031	>0.05	ND(0.35) J	
						Methapyrilene	ICAL RRF	0.038	>0.05	ND(0.35) J	
G135-702	RAA10-W-I4 (0 - 1)	7/23/2008	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	32.7%	<25%	ND(1.7) J	
						2-Naphthylamine	CCAL %D	50.3%	<25%	ND(1.7) J	
						4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.69) J	
						4-Phenylenediamine	CCAL %D	60.7%	<25%	ND(0.69) J	
						Hexachlorophene	ICAL RRF	0.031	>0.05	ND(0.35) J	
						Methapyrilene	ICAL RRF	0.038	>0.05	ND(0.35) J	
G135-702	RAA10-W-I4 (1 - 6)	7/23/2008	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	32.7%	<25%	ND(1.7) J	

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Unkamet Brook Area-West Soil Sampling - July and August 2008

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
G135-702	RAA10-W-I4 (1 - 6)	7/23/2008	Soil	Tier II	Yes	2-Naphthylamine	CCAL %D	50.3%	<25%	ND(1.7) J	
						4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.66) J	
						4-Phenylenediamine	CCAL %D	60.7%	<25%	ND(0.66) J	
						Hexachlorophene	ICAL RRF	0.031	>0.05	ND(0.33) J	
						Methapyrilene	ICAL RRF	0.038	>0.05	ND(0.33) J	
G135-703	RAA10-RB-3	7/24/2008	Water	Tier II	Yes	2-Naphthylamine	CCAL %D	33.8%	<25%	ND(0.025) J	
						4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.010) J	
						4-Phenylenediamine	CCAL %D	38.6%	<25%	ND(0.010) J	
						Benzo(b)fluoranthene	LCS/LCSD %R	66.8%, 69.4%	70.8% to 107%	ND(0.0050) J	
						Hexachlorobutadiene	LCSD %R	39.0%	41.2% to 96.0%	ND(0.0050) J	
						Hexachlorophene	ICAL RRF	0.031	>0.05	ND(0.0050) J	
						Methapyrilene	ICAL RRF	0.038	>0.05	ND(0.0050) J	
G135-703	RAA10-W-H6 (0 - 1)	7/24/2008	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	32.7%	<25%	ND(1.6) J	
						2-Naphthylamine	CCAL %D	50.3%	<25%	ND(1.6) J	
						3-Methylcholanthrene	Internal Standard Perylene-d12 %R	37.6%	50% to 200%	ND(0.33) J	
						4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.65) J	
						4-Phenylenediamine	CCAL %D	60.7%	<25%	ND(0.65) J	
						7,12-Dimethylbenz(a)anthracene	Internal Standard Perylene-d12 %R	37.6%	50% to 200%	ND(0.33) J	
						Benzo(a)pyrene	Internal Standard Perylene-d12 %R	37.6%	50% to 200%	1.9 J	
						Benzo(b)fluoranthene	Internal Standard Perylene-d12 %R	37.6%	50% to 200%	2.5 J	
						Benzo(g,h,i)perylene	Internal Standard Perylene-d12 %R	37.6%	50% to 200%	0.71 J	
						Benzo(k)fluoranthene	Internal Standard Perylene-d12 %R	37.6%	50% to 200%	1.2 J	
						Dibenzo(a,h)anthracene	Internal Standard Perylene-d12 %R	37.6%	50% to 200%	0.53 J	
						Di-n-Octylphthalate	Internal Standard Perylene-d12 %R	37.6%	50% to 200%	ND(0.33) J	
						Hexachlorophene	ICAL RRF	0.031	>0.05	ND(0.33) J	
						Indeno(1,2,3-cd)pyrene	Internal Standard Perylene-d12 %R	37.6%	50% to 200%	0.73 J	
						Methapyrilene	ICAL RRF	0.038	>0.05	ND(0.33) J	
G135-703	RAA10-W-H6 (6 - 12)	7/24/2008	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	32.7%	<25%	ND(1.8) J	
						2-Naphthylamine	CCAL %D	50.3%	<25%	ND(1.8) J	
						4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.71) J	
						4-Phenylenediamine	CCAL %D	60.7%	<25%	ND(0.71) J	
						Hexachlorophene	ICAL RRF	0.031	>0.05	ND(0.35) J	
						Methapyrilene	ICAL RRF	0.038	>0.05	ND(0.35) J	
G135-704	RAA10-DUP-4 (1 - 6)	7/25/2008	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	66.6%	<25%	ND(1.7) J	Parent Sample RAA10-W-N8
						2-Naphthylamine	CCAL %D	70.7%	<25%	ND(1.7) J	
						4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.66) J	
						4-Phenylenediamine	CCAL %D	100.0%	<25%	ND(0.66) J	
						Benzidine	CCAL %D	32.5%	<25%	ND(0.66) J	
						Hexachlorophene	ICAL RRF	0.031	>0.05	ND(0.33) J	
						Methapyrilene	ICAL RRF	0.038	>0.05	ND(0.33) J	
G135-704	RAA10-W-J5 (1 - 6)	7/25/2008	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	66.6%	<25%	ND(1.6) J	
						2-Naphthylamine	CCAL %D	70.7%	<25%	ND(1.6) J	
						4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.63) J	
						4-Phenylenediamine	CCAL %D	100.0%	<25%	ND(0.63) J	
						Benzidine	CCAL %D	32.5%	<25%	ND(0.63) J	
						Hexachlorophene	ICAL RRF	0.031	>0.05	ND(0.32) J	
						Methapyrilene	ICAL RRF	0.038	>0.05	ND(0.32) J	
G135-704	RAA10-W-M7 (0 - 1)	7/25/2008	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	66.6%	<25%	ND(1.7) J	
						2-Naphthylamine	CCAL %D	70.7%	<25%	ND(1.7) J	
						4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.69) J	
						4-Phenylenediamine	CCAL %D	100.0%	<25%	ND(0.69) J	
						Benzidine	CCAL %D	32.5%	<25%	ND(0.69) J	
						Hexachlorophene	ICAL RRF	0.031	>0.05	ND(0.34) J	
						Methapyrilene	ICAL RRF	0.038	>0.05	ND(0.34) J	
G135-704	RAA10-W-M7 (6 - 15)	7/25/2008	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	66.6%	<25%	ND(1.7) J	
						2,4-Dimethylphenol	MS/MSD %R	82.4%, 84.6%	85.4% to 138%	ND(0.34) J	
						2-Naphthylamine	CCAL %D	70.7%	<25%	ND(1.7) J	
						4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.69) J	
						4-Phenylenediamine	CCAL %D	100.0%	<25%	ND(0.69) J	
						Benzidine	CCAL %D	32.5%	<25%	ND(0.69) J	
						Benzo(a)pyrene	MS %R	78.1%	78.5% to 137%	ND(0.34) J	
						Hexachlorophene	ICAL RRF	0.031	>0.05	ND(0.34) J	
						Methapyrilene	ICAL RRF	0.038	>0.05	ND(0.34) J	
G135-704	RAA10-W-N8 (1 - 6)	7/25/2008	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	66.6%	<25%	ND(1.6) J	
						2-Naphthylamine	CCAL %D	70.7%	<25%	ND(1.6) J	
						4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.65) J	

Table B-1
Analytical Data Validation Summary
Unkamet Brook Area-West Soil Sampling - July and August 2008

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
G135-704	RAA10-W-N8 (1 - 6)	7/25/2008	Soil	Tier II	Yes	4-Phenylenediamine	CCAL %D	100.0%	<25%	ND(0.65) J	
						Benzidine	CCAL %D	32.5%	<25%	ND(0.65) J	
						Hexachlorophene	ICAL RRF	0.031	>0.05	ND(0.33) J	
						Methapyrilene	ICAL RRF	0.038	>0.05	ND(0.33) J	
G135-704	RAA10-W-P8 (0 - 1)	7/25/2008	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	66.6%	<25%	ND(1.8) J	
						2-Naphthylamine	CCAL %D	70.7%	<25%	ND(1.8) J	
						4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.71) J	
						4-Phenylenediamine	CCAL %D	100.0%	<25%	ND(0.71) J	
						Benzidine	CCAL %D	32.5%	<25%	ND(0.71) J	
						Hexachlorophene	ICAL RRF	0.031	>0.05	ND(0.35) J	
						Methapyrilene	ICAL RRF	0.038	>0.05	ND(0.35) J	
G582-70	RAA10-W-T12 (0 - 1)	8/25/2008	Soil	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.027	>0.05	ND(1.7) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.027	>0.05	ND(1.7) J	
						Hexachlorophene	ICAL RRF	0.018	>0.05	ND(0.33) J	
						Pentachlorophenol	ICAL RRF	0.044	>0.05	ND(1.7) J	
PCDDs/PCDFs											
G135-700	RAA10-W-G5 (0 - 1)	7/22/2008	Soil	Tier II	Yes	1,2,3,4,6,7,8-HpCDD	Method Blank	-	-	ND(0.0000010)	
						OCDD	Method Blank	-	-	ND(0.0000046)	
G135-700	RAA10-W-G5 (1 - 6)	7/22/2008	Soil	Tier II	Yes	OCDD	Method Blank	-	-	ND(0.0000044)	
G135-700	RAA10-W-H3 (1 - 6)	7/22/2008	Soil	Tier II	Yes	OCDD	Method Blank	-	-	ND(0.0000036)	
G135-700	RAA10-W-J2 (0 - 1)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-J2 (6 - 15)	7/22/2008	Soil	Tier II	Yes	1,2,3,4,6,7,8-HpCDD	Method Blank	-	-	ND(0.0000018)	
						OCDD	Method Blank	-	-	ND(0.000016)	
						OCDF	Method Blank	-	-	ND(0.0000018)	
G135-702	RAA10-W-I4 (0 - 1)	7/23/2008	Soil	Tier II	Yes	OCDD	Method Blank	-	-	ND(0.00000063)	
						HpCDDs (total)	Method Blank	-	-	ND(0.0000047)	
G135-702	RAA10-W-I4 (1 - 6)	7/23/2008	Soil	Tier II	Yes	OCDD	Method Blank	-	-	ND(0.00000030)	
						HpCDDs (total)	Method Blank	-	-	ND(0.0000037)	
G135-703	RAA10-RB-3	7/24/2008	Water	Tier II	No						
G135-703	RAA10-W-H6 (0 - 1)	7/24/2008	Soil	Tier II	Yes	1,2,3,7,8-PeCDD	Quantitative Interference	-	-	ND(0.0000030) J	
						2,3,7,8-TCDD	Quantitative Interference	-	-	ND(0.0000020) J	
						PeCDDs (total)	Quantitative Interference	-	-	0.000017 J	
						PeCDFs (total)	Quantitative Interference	-	-	0.00047 J	
						TCDDs (total)	Quantitative Interference	-	-	ND(0.0000020) J	
G135-703	RAA10-W-H6 (6 - 12)	7/24/2008	Soil	Tier II	Yes	HpCDDs (total)	Method Blank	-	-	ND(0.00000046)	
						OCDD	Method Blank	-	-	ND(0.0000042)	
G135-704	RAA10-DUP-4 (1 - 6)	7/25/2008	Soil	Tier II	No						Parent Sample RAA10-W-N8
G135-704	RAA10-W-J5 (1 - 6)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-M7 (0 - 1)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-M7 (6 - 15)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-N8 (1 - 6)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-P8 (0 - 1)	7/25/2008	Soil	Tier II	Yes	2,3,7,8-TCDF	Quantitative Interference	-	-	0.0000020 J	
						HxCDDs (total)	Quantitative Interference	-	-	0.000013 J	
						PeCDFs (total)	Quantitative Interference	-	-	0.000091 J	
						TCDFs (total)	Quantitative Interference	-	-	0.000030 J	
G582-70	RAA10-W-T12 (0 - 1)	8/25/2008	Soil	Tier II	No						
Cyanide-MADEP (PAC)											
G135-700	RAA10-W-G5 (0 - 1)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-G5 (1 - 6)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-H3 (1 - 6)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-J2 (0 - 1)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-J2 (6 - 15)	7/22/2008	Soil	Tier II	No						
G135-702	RAA10-W-I4 (0 - 1)	7/23/2008	Soil	Tier II	No						
G135-702	RAA10-W-I4 (1 - 6)	7/23/2008	Soil	Tier II	No						
G135-703	RAA10-RB-3	7/24/2008	Water	Tier II	No						
G135-703	RAA10-W-H6 (0 - 1)	7/24/2008	Soil	Tier II	No						
G135-703	RAA10-W-H6 (6 - 12)	7/24/2008	Soil	Tier II	No						
G135-704	RAA10-DUP-4 (1 - 6)	7/25/2008	Soil	Tier II	No						Parent Sample RAA10-W-N8
G135-704	RAA10-W-J5 (1 - 6)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-M7 (0 - 1)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-M7 (6 - 15)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-N8 (1 - 6)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-P8 (0 - 1)	7/25/2008	Soil	Tier II	No						
G582-70	RAA10-W-T12 (0 - 1)	8/25/2008	Soil	Tier II	No						
Sulfide											
G135-700	RAA10-W-G5 (0 - 1)	7/22/2008	Soil	Tier II	No						

Table B-1
Analytical Data Validation Summary
Unkamet Brook Area-West Soil Sampling - July and August 2008

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Sulfide (continued)											
G135-700	RAA10-W-G5 (1 - 6)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-H3 (1 - 6)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-J2 (0 - 1)	7/22/2008	Soil	Tier II	No						
G135-700	RAA10-W-J2 (6 - 15)	7/22/2008	Soil	Tier II	No						
G135-702	RAA10-W-I4 (0 - 1)	7/23/2008	Soil	Tier II	No						
G135-702	RAA10-W-I4 (1 - 6)	7/23/2008	Soil	Tier II	No						
G135-703	RAA10-RB-3	7/24/2008	Water	Tier II	No						
G135-703	RAA10-W-H6 (0 - 1)	7/24/2008	Soil	Tier II	No						
G135-703	RAA10-W-H6 (6 - 12)	7/24/2008	Soil	Tier II	No						
G135-704	RAA10-DUP-4 (1 - 6)	7/25/2008	Soil	Tier II	No						Parent Sample RAA10-W-N8
G135-704	RAA10-W-J5 (1 - 6)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-M7 (0 - 1)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-M7 (6 - 15)	7/25/2008	Soil	Tier II	Yes	Sulfide	MS/MSD %R	69.0%, 62.0%	75% to 125%	ND(2.10) J	
G135-704	RAA10-W-N8 (1 - 6)	7/25/2008	Soil	Tier II	No						
G135-704	RAA10-W-P8 (0 - 1)	7/25/2008	Soil	Tier II	No						
G582-70	RAA10-W-T12 (0 - 1)	8/25/2008	Soil	Tier II	Yes	Sulfide	MS %R	69.0%	75% to 125%	ND(2.20) J	

ARCADIS

Appendix C

Summary of Analytical Data for all Samples Used in PCB Evaluations

TABLE C-1
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K11-7-2								
RAA10-W-A18	0-1	9/2/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.023 JP	0.023 J
	1-6	9/2/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	6-15	9/2/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-B17	0-1	9/3/2003	ND(0.033) J	ND(0.033) J	ND(0.033) J	ND(0.033) J	0.076 J	0.076 J
	1-6	9/3/2003	ND(0.036) J [ND(0.035) J]	ND(0.036) J [ND(0.035) J]	ND(0.036) J [ND(0.035) J]	ND(0.036) J [ND(0.035) J]	ND(0.036) J [ND(0.035) J]	ND(0.036) J [ND(0.035) J]
	6-15	9/3/2003	ND(0.034) J	ND(0.034) J	ND(0.034) J	ND(0.034) J	ND(0.034) J	ND(0.034) J
RAA10-W-B19	0-1	9/30/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	1-6	9/30/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	9/30/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-W-C13	0-1	9/3/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-6	9/3/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	6-15	9/3/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-C15	0-1	9/2/2003	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	1-6	9/2/2003	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
	6-15	9/2/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-C18	1-6	9/3/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-15	9/3/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-C19	0-1	9/25/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	1-6	9/25/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	9/25/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-W-D12	0-1	8/12/2003	ND(0.017)	ND(0.011)	ND(0.011)	ND(0.011)	0.019 P	0.019
	1-6	8/12/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	8/12/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-D19	0-1	5/29/2003	ND(0.034) J	ND(0.034) J	ND(0.034) J	ND(0.034) J	ND(0.034) J	ND(0.034) J
	1-6	5/29/2003	ND(0.036) J	ND(0.036) J	ND(0.036) J	ND(0.036) J	ND(0.036) J	ND(0.036) J
	6-15	5/29/2003	ND(0.033) J [ND(0.033) J]	ND(0.033) J [ND(0.033) J]	ND(0.033) J [ND(0.033) J]	ND(0.033) J [ND(0.033) J]	ND(0.033) J [ND(0.033) J]	ND(0.033) J [ND(0.033) J]
RAA10-W-D20	0-1	9/30/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	1-6	9/30/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	9/30/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-E8	1-6	5/30/2003	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)
	6-11	5/30/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-E9	0-1	5/30/2003	ND(0.017)	ND(0.017)	ND(0.017)	ND(0.017)	0.027	0.027
	1-6	5/30/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-10	5/30/2003	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)
RAA10-W-E10	0-1	8/12/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-6	8/12/2003	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]
	6-12.3	8/12/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-E13	0-1	8/19/2003	ND(0.018)	ND(0.011)	ND(0.011)	ND(0.011)	0.15 P	0.15
	1-6	8/19/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-15	8/19/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-E19	0-1	5/30/2003	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	0.098	0.098
	1-6	5/30/2003	ND(0.018) [ND(0.018)]	ND(0.018) [ND(0.018)]	ND(0.018) [ND(0.018)]	ND(0.018) [ND(0.018)]	ND(0.018) [ND(0.018)]	ND(0.018) [ND(0.018)]
	6-15	5/30/2003	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
RAA10-W-E20	0-1	6/2/2003	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)
	1-6	6/2/2003	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)
	6-15	6/2/2003	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.099 P	0.099

TABLE C-1
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K11-7-2 (continued)								
RAA10-W-F6	0-1	3/5/2004	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	8.3	8.3
	1-6	3/5/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	1.2	1.2
	6-15	3/5/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-W-F6.5	0-1	3/6/2007	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-W-F8	0-1	6/2/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	1-6	6/2/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-10	6/2/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-W-F9	0-1	5/30/2003	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	1-6	5/30/2003	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)
	6-12	5/30/2003	ND(0.017)	ND(0.017)	ND(0.017)	ND(0.017)	ND(0.017)	ND(0.017)
RAA10-W-F13	0-1	5/28/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-6	5/28/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-15	5/28/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-F20	0-1	3/6/2007	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	1-6	5/29/2003	ND(0.036) J	ND(0.036) J	ND(0.036) J	ND(0.036) J	ND(0.036) J	ND(0.036) J
	6-15	5/29/2003	ND(0.033) J	ND(0.033) J	ND(0.033) J	ND(0.033) J	ND(0.033) J	ND(0.033) J
RAA10-W-G4	0-1	3/5/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	1-6	3/5/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	3/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-W-G5	0-1	7/22/2008	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	0.015 J	0.015 J
	1-6	7/22/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	6-15	7/22/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-G7	0-1	3/8/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	1-6	3/8/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	3/8/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-W-G9	0-1	8/13/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	1-6	8/13/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-12	8/13/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-G15	0-1	6/2/2003	ND(0.016)	ND(0.016)	ND(0.016)	ND(0.016)	0.088	0.088
	1-6	6/2/2003	ND(0.017)	ND(0.017)	ND(0.017)	ND(0.017)	ND(0.017)	ND(0.017)
	6-15	6/2/2003	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	0.034	0.034
RAA10-W-G20	0-1	9/24/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	1-6	9/24/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	6-15	9/24/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-G21	0-1	9/24/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	1-6	9/24/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	9/24/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-H2	0-1	3/5/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.050	0.050
	1-6	3/5/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	3/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-W-H3	0-1	7/22/2008	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	0.024 J	0.024 J
	1-6	7/22/2008	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	7/22/2008	ND(0.031)	ND(0.031)	ND(0.031)	ND(0.031)	ND(0.031)	ND(0.031)
RAA10-W-H4	0-1	3/8/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	1-6	3/8/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	3/8/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)

TABLE C-1
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K11-7-2 (continued)								
RAA10-W-H5	0-1	7/23/2008	ND(0.031) [ND(0.033)]	ND(0.031) [ND(0.033)]	ND(0.031) [ND(0.033)]	ND(0.031) [0.015 J]	0.025 J [0.034]	0.025 J [0.049]
	1-6	7/23/2008	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	7/23/2008	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-H6	0-1	7/24/2008	ND(0.033)	ND(0.033)	ND(0.033)	0.23	0.16	0.39
	1-6	7/24/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	6-12	7/24/2008	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-H9	0-1	3/8/2004	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)]
	1-6	3/8/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	3/8/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-H10	0-1	8/13/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.091 P	0.091
	1-6	8/13/2003	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
	6-13	8/13/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-H15	0-1	5/28/2003	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	1-6	5/28/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.050 P	0.050
	6-15	5/28/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-I2	0-1	3/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.27	0.27
	1-6	3/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.016 J	0.016 J
	6-15	3/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-W-I3	0-1	7/22/2008	ND(0.031)	ND(0.031)	ND(0.031)	ND(0.031)	0.011 J	0.011 J
	1-6	7/22/2008	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]
	6-15	7/22/2008	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-I4	0-1	7/23/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	1-6	7/23/2008	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	6-15	7/23/2008	ND(0.031)	ND(0.031)	ND(0.031)	ND(0.031)	ND(0.031)	ND(0.031)
RAA10-W-I5	0-1	7/21/2008	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.012 J	0.012 J
	1-6	7/21/2008	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-12	7/21/2008	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-I6	0-1	7/25/2008	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
	1-6	7/25/2008	ND(0.031)	ND(0.031)	ND(0.031)	ND(0.031)	ND(0.031)	ND(0.031)
	6-11	7/25/2008	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
RAA10-W-I7	0-1	3/9/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.034 J	0.083	0.117
	1-6	3/9/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	3/9/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-W-I10	0-1	8/19/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.061 P	0.061
	1-6	8/19/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	8/19/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-I17	0-1	8/20/2003	ND(0.018)	ND(0.011)	ND(0.011)	ND(0.011)	0.042 P	0.042
	1-6	8/20/2003	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
	6-15	8/20/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-I21	1-6	5/29/2003	ND(0.034) J	ND(0.034) J	ND(0.034) J	ND(0.034) J	ND(0.034) J	ND(0.034) J
	6-15	5/29/2003	ND(0.036) J	ND(0.036) J	ND(0.036) J	ND(0.036) J	ND(0.036) J	ND(0.036) J
RAA10-W-I22	0-1	9/25/2003	ND(0.035)	ND(0.035)	ND(0.035)	0.19	0.26	0.45
	1-6	9/25/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	9/25/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-J2	0-1	7/22/2008	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	0.020 J	0.020 J
	1-6	7/22/2008	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	6-15	7/22/2008	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.026 J	0.026 J

TABLE C-1
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K11-7-2 (continued)								
RAA10-W-J3	0-1	7/23/2008	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.027 J	0.027 J
	1-6	7/23/2008	ND(0.035)	ND(0.035)	ND(0.035)	0.020 J	0.067	0.087
	6-15	7/23/2008	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-J4	0-1	3/9/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-6	3/9/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	3/9/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-W-J5	0-1	7/25/2008	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	0.016 J	0.016 J
	1-6	7/25/2008	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
	6-8	7/25/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-J10	0-1	3/8/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-6	3/8/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	3/8/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-W-J11	0-1	8/19/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	1-6	8/19/2003	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	6-15	8/19/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-J17	0-1	8/20/2003	ND(0.018)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.018)	ND(0.022)
	1-6	8/20/2003	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	6-15	8/20/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-J20	0-1	8/26/2003	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	0.049 P	0.049
	1-6	8/26/2003	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	6-15	8/26/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-J21	0-1	8/26/2003	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.086 P	0.086
	1-6	8/26/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.069 P	0.069
	6-15	8/26/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-K8	0-1	3/9/2004	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]
	1-6	3/9/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-15	3/9/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-K11	0-1	8/19/2003	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	0.060 JP	0.060 J
	1-6	8/19/2003	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]
	6-11	8/19/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-K17	0-1	8/20/2003	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	0.11 JP	0.11 J
	1-6	8/20/2003	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	6-15	8/20/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-K18	0-1	8/25/2003	ND(0.64)	ND(0.64)	ND(0.64)	ND(0.64)	0.70 P	0.70
	1-6	8/25/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.058 P	0.058
	6-15	8/25/2003	ND(0.039) [ND(0.037)]	ND(0.039) [ND(0.037)]	ND(0.039) [ND(0.037)]	ND(0.039) [ND(0.037)]	ND(0.039) [ND(0.037)]	ND(0.039) [ND(0.037)]
RAA10-W-K19	0-1	8/25/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.27 P	0.27
	1-6	8/25/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.021 JP	0.021 J
	6-15	8/25/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-W-K21	0-1	10/1/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.25	0.25
	1-6	10/1/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	10/1/2003	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	0.26 [ND(0.038)]	ND(0.038) [ND(0.038)]	0.26 [ND(0.038)]
RAA10-W-L11	0-1	3/8/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	1-6	3/8/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	3/8/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-L12	0-1	8/18/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	1-6	8/18/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)

TABLE C-1
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K11-7-2 (continued)								
RAA10-W-L18	0-1	9/22/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	1.0	1.0
	1-6	9/22/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-13	9/22/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-W-L19	0-1	9/23/2003	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]
	1-6	9/23/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	9/23/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-W-L20	0-1	10/1/2003	ND(0.039)	ND(0.039)	ND(0.039)	0.11	0.28	0.39
	1-6	10/1/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	10/1/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-W-M7	0-1	7/25/2008	ND(0.034)	ND(0.034)	ND(0.034)	0.022 J	0.019 J	0.041 J
	1-6	7/25/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	6-15	7/25/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-M8	0-1	3/9/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	1-6	3/9/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	3/9/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-W-M11	0-1	3/9/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	1-6	3/9/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	3/9/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-M12	0-1	8/18/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	1-6	8/18/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-8	8/18/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-M13	0-1	8/18/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	1-6	8/18/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-12	8/18/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-M15	0-1	8/18/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.013 JP	0.013 J
	1-6	8/18/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	6-12	8/18/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-M17	0-1	9/23/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.22	0.22
	1-6	9/23/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	1.0	1.0
	6-15	9/23/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-W-N8	0-1	7/25/2008	ND(0.034)	ND(0.034)	ND(0.034)	0.011 J	0.016 J	0.027 J
	1-6	7/25/2008	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]
	6-15	7/25/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-N12	0-1	9/22/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.068	0.068
	1-6	9/22/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	6-10	9/22/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.024 J	0.024 J
RAA10-W-N13	0-1	9/23/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-6	9/23/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-12	9/23/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-N17	1-6	9/23/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	9/23/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-W-N18	0-1	10/1/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.053	0.053
	1-6	10/1/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	10/1/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-P8	0-1	7/25/2008	ND(0.034)	ND(0.034)	ND(0.034)	0.048	0.095	0.143
	1-6	7/25/2008	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
	6-15	7/25/2008	ND(0.032)	ND(0.032)	ND(0.032)	0.012 J	ND(0.032)	0.012 J

TABLE C-1
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K11-7-2 (continued)								
RAA10-W-P9	0-1	3/10/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.13	0.13
	1-6	3/10/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-11	3/10/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-W-P11	0-1	3/10/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	1-6	3/10/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	3/10/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-R13	0-1	3/10/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.17	0.17
	1-6	3/10/2004	ND(0.035) [ND(0.036)]	ND(0.035) [ND(0.036)]	ND(0.035) [ND(0.036)]	ND(0.035) [ND(0.036)]	ND(0.035) [ND(0.036)]	ND(0.035) [ND(0.036)]
	6-15	3/10/2004	ND(0.037)	0.040	ND(0.037)	ND(0.037)	ND(0.037)	0.040
RAA10-W-S11	0-1	3/10/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-6	3/10/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-15	3/10/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-T12	0-1	8/25/2008	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.12	0.12
	1-6	8/25/2008	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	6-15	8/25/2008	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
Parcel K11-7-8								
RAA10-W-OP15	0-1	3/7/2007	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.073	0.073
RAA10-W-P14.5	0-1	3/7/2007	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.039 J	0.039 J
RAA10-W-P15	0-1	3/25/2004	ND(0.041)	ND(0.041)	ND(0.041)	0.10	0.081	0.181
	1-3	3/25/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	3-6	3/25/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	3/25/2004	ND(0.037) [ND(0.036)]	ND(0.037) [ND(0.036)]	ND(0.037) [ND(0.036)]	ND(0.037) [ND(0.036)]	ND(0.037) [ND(0.036)]	ND(0.037) [ND(0.036)]
RAA10-W-P15.5	0-1	3/7/2007	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.037 J	0.037 J
RAA10-W-PQ14	0-1	3/7/2007	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.056	0.056
RAA10-W-PQ14.5	0-1	3/7/2007	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.045	0.045
RAA10-W-PQ15	0-1	3/7/2007	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-W-PQ15.5	0-1	3/7/2007	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.048	0.048
RAA10-W-PQ16	0-1	3/7/2007	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-Q14	0-1	3/26/2004	ND(0.041)	ND(0.041)	ND(0.041)	0.21	0.22	0.43
	1-3	3/12/2007	ND(3.5) [ND(3.6)]	ND(3.5) [ND(3.6)]	ND(3.5) [ND(3.6)]	5.0 [6.5]	ND(3.5) [ND(3.6)]	5.0 [6.5]
	3-6	3/12/2007	ND(0.34)	ND(0.34)	ND(0.34)	2.4	ND(0.34)	2.4
	6-15	3/12/2007	ND(0.35)	ND(0.35)	ND(0.35)	2.4	ND(0.35)	2.4
RAA10-W-Q14.5	0-1	3/7/2007	ND(0.044)	ND(0.044)	ND(0.044)	0.034 J	0.11	0.144
RAA10-W-Q15	0-1	3/26/2004	ND(0.042)	ND(0.042)	ND(0.042)	0.12	0.19	0.31
	1-3	3/12/2007	ND(0.035)	ND(0.035)	ND(0.035)	0.37	ND(0.035)	0.37
	3-6	3/12/2007	ND(0.35)	ND(0.35)	ND(0.35)	2.1	ND(0.35)	2.1
	6-15	3/12/2007	ND(0.34)	ND(0.34)	ND(0.34)	1.5	ND(0.34)	1.5
RAA10-W-Q15.5	0-1	3/7/2007	ND(0.049)	ND(0.049)	ND(0.049)	0.076	0.22	0.296
RAA10-W-Q16	0-1	3/26/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.11	0.10	0.21
RAA10-W-Q16NE	1-3	3/12/2007	ND(0.037)	ND(0.037)	ND(0.037)	0.20	ND(0.037)	0.20
	3-6	3/12/2007	ND(0.33)	ND(0.33)	ND(0.33)	0.82	ND(0.33)	0.82
	6-15	3/12/2007	ND(0.34)	ND(0.34)	ND(0.34)	1.2	ND(0.34)	1.2
RAA10-W-QR14.5	0-1	3/7/2007	ND(0.044)	ND(0.044)	ND(0.044)	0.087	0.27	0.357
RAA10-W-QR15	0-1	3/7/2007	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.047	0.047
RAA10-W-QR15.5	0-1	3/7/2007	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.017 J	0.017 J

TABLE C-1
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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K11-7-8 (continued)								
RAA10-W-R15	0-1	3/26/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.13	0.13
	1-3	3/26/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	3-6	3/26/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	3/26/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
Parcel K11-7-9								
RAA10-W-O15	0-1	4/9/2004	ND(0.042)	ND(0.042)	ND(0.042)	0.084	0.17	0.254
RAA10-W-O16	0-1	4/9/2004	ND(0.042)	ND(0.042)	ND(0.042)	0.13	0.20	0.33
	1-3	4/9/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	3-6	4/9/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	4/9/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-W-P16	0-1	4/9/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.043	0.087	0.13
RAA10-W-P17	0-1	4/9/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.14	0.15	0.29
	1-3	4/9/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	3-6	4/9/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	4/9/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
Parcel K12-9-1 (Industrial)								
RAA10-N-AA2	0-1	10/29/2003	ND(0.043)	ND(0.043)	ND(0.043)	0.29	0.50	0.79
	1-6	10/29/2003	ND(0.039)	ND(0.039)	ND(0.039)	0.023 J	0.026 J	0.049 J
	6-15	10/29/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-N-AA4	0-1	10/29/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.048	ND(0.037)	0.048
	1-6	10/29/2003	ND(0.036)	ND(0.036)	ND(0.036)	0.038	ND(0.036)	0.038
	6-15	10/29/2003	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	0.015 J [0.016 J]	ND(0.036) [ND(0.036)]	0.015 J [0.016 J]
RAA10-N-AA5	0-1	3/8/2007	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
	1-6	11/17/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	11/17/2003	ND(0.036)	ND(0.036)	ND(0.036)	0.013 J	ND(0.036)	0.013 J
RAA10-N-AA6	0-1	3/8/2007	ND(0.032)	ND(0.032)	ND(0.032)	0.063	0.12	0.183
	1-6	11/11/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	11/11/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-N-AA7	0-1	3/8/2007	ND(0.030) [ND(0.032)]	ND(0.030) [ND(0.032)]	ND(0.030) [ND(0.032)]	ND(0.030) [ND(0.032)]	ND(0.030) [0.025 J]	ND(0.030) [0.025 J]
	1-6	11/14/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.056	0.017 J	0.073
	6-15	11/14/2003	ND(0.042)	ND(0.042)	ND(0.042)	0.30	ND(0.042)	0.30
RAA10-N-AA10	0-1	3/6/2007	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-6	10/24/2003	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	0.26 [0.19]	0.18 [0.20]	0.44 [0.39]
	6-15	10/24/2003	ND(0.041)	ND(0.041)	ND(0.041)	0.075	ND(0.041)	0.075
RAA10-N-AA12	0-1	10/23/2003	ND(0.040)	ND(0.040)	ND(0.040)	0.46	0.23	0.69
	1-6	10/23/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.21	ND(0.037)	0.21
	6-15	10/23/2003	ND(0.043)	ND(0.043)	ND(0.043)	0.22	ND(0.043)	0.22
RAA10-N-AA14	0-1	10/2/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.37	ND(0.038)	0.37
	1-6	10/2/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.30	ND(0.037)	0.30
	6-15	10/2/2003	ND(0.039)	ND(0.039)	ND(0.039)	0.78	ND(0.039)	0.78
RAA10-N-AA18	0-1	10/1/2003	ND(0.041)	ND(0.041)	ND(0.041)	0.71	0.35	1.06
	1-6	10/1/2003	ND(20)	ND(20)	ND(20)	430	160	590
	6-15	10/1/2003	ND(32)	ND(32)	ND(32)	1100	ND(32)	1100
RAA10-N-AA19	0-1	2/21/2005	ND(0.74)	ND(0.74)	ND(0.74)	0.93	ND(0.74)	0.93
	1-6	2/21/2005	ND(43)	ND(43)	ND(43)	ND(43)	1700	1700
	6-15	3/8/2007	ND(62)	ND(62)	ND(62)	250	710	960

TABLE C-1
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K12-9-1 (Industrial) (continued)								
RAA10-N-BB21	0-1	2/22/2005	ND(0.037)	ND(0.037)	ND(0.037)	0.025 J	ND(0.037)	0.025 J
	1-6	2/22/2005	ND(0.25)	ND(0.25)	ND(0.25)	5.7	3.8	9.5
RAA10-N-CC3	0-1	10/29/2003	ND(0.036)	ND(0.036)	ND(0.036)	0.044	0.041	0.085
	1-6	10/29/2003	ND(0.036)	ND(0.036)	ND(0.036)	0.032 J	ND(0.036)	0.032 J
	6-15	10/29/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.027 J	ND(0.037)	0.027 J
RAA10-N-CC4	0-1	10/28/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.071	0.039	0.11
	1-6	10/28/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.036 J	0.036 J
	6-15	10/28/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-N-CC8	0-1	10/24/2003	ND(0.040)	ND(0.040)	ND(0.040)	0.77	0.77	1.54
	1-6	10/24/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.026 J	0.029 J	0.055 J
	6-15	10/24/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.097	ND(0.038)	0.097
RAA10-N-CC10	0-1	11/17/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.49	0.34	0.83
	1-6	11/17/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.038 J	0.038 J
	6-15	11/17/2003	ND(0.042)	ND(0.042)	ND(0.042)	0.27	ND(0.042)	0.27
RAA10-N-CC12	0-1	3/3/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	1-6	3/3/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	3/3/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
RAA10-N-CC14	0-1	10/23/2003	ND(0.37)	ND(0.37)	ND(0.37)	2.7	ND(0.37)	2.7
	1-6	10/23/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.26	ND(0.037)	0.26
	6-15	10/23/2003	ND(0.041)	ND(0.041)	ND(0.041)	0.61	ND(0.041)	0.61
RAA10-N-CC16	6-15	10/1/2003	ND(0.084)	ND(0.084)	ND(0.084)	0.47	ND(0.084)	0.47
RAA10-N-CC18	0-1	2/21/2005	ND(0.036)	ND(0.036)	ND(0.036)	0.12	ND(0.036)	0.12
	1-6	2/21/2005	ND(2100) [ND(2100)]	ND(2100) [ND(2100)]	ND(2100) [ND(2100)]	28000 [19000]	ND(2100) [ND(2100)]	28000 [19000]
	6-15	3/12/2007	ND(4100)	ND(4100)	ND(4100)	28000	ND(4100)	28000
RAA10-N-CC20	0-1	10/2/2003	ND(0.18)	ND(0.18)	ND(0.18)	1.8	1.9	3.7
RAA10-N-CC22	0-1	5/12/2004	ND(0.040)	ND(0.040)	ND(0.040)	1.2	0.64	1.84
	1-3	5/12/2004	ND(39)	ND(39)	ND(39)	100	ND(39)	100
	3-6	5/12/2004	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	1.3 [1.9]	0.56 [0.76]	1.86 [2.66]
	6-15	5/12/2004	ND(0.25)	ND(0.25)	ND(0.25)	3.1	1.3	4.4
RAA10-N-CC22.5	0-1	1/28/2004	ND(0.52)	ND(0.52)	ND(0.52)	9.1	5.8	14.9
RAA10-N-DD22.5	0-1	5/11/2004	R	R	R	0.13 J	0.063 J	0.193 J
	1-3	5/11/2004	ND(2.0)	ND(2.0)	ND(2.0)	91	43	134
	3-6	5/11/2004	ND(0.38)	ND(0.38)	ND(0.38)	7.9	3.8	11.7
	6-15	5/11/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
RAA10-N-DPO	0-2.5	11/17/2003	ND(0.083)	ND(0.083)	ND(0.083)	0.76	0.83	1.59
RAA10-N-EE3	0-1	10/29/2003	ND(0.041)	ND(0.041)	ND(0.041)	0.21	0.16	0.37
	1-6	10/29/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	10/29/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.037 J	ND(0.037)	0.037 J
RAA10-N-EE4	0-1	10/28/2003	ND(0.035)	ND(0.035)	ND(0.035)	0.068	0.042	0.11
	1-6	10/28/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	10/28/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.092	ND(0.037)	0.092
RAA10-N-EE5	0-1	10/28/2003	ND(0.039)	ND(0.039)	ND(0.039)	0.45	0.37	0.82
	1-6	10/28/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.059	0.018 J	0.077
	6-15	10/28/2003	ND(0.035)	ND(0.035)	ND(0.035)	0.080	ND(0.035)	0.080
RAA10-N-EE7	0-1	11/12/2003	ND(0.037)	ND(0.037)	0.15	0.36	0.24	0.75
	1-3	11/12/2003	ND(0.037)	ND(0.037)	0.060	0.20	0.083	0.343

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K12-9-1 (Industrial) (continued)								
RAA10-N-EE8	0-1	10/24/2003	ND(0.036)	ND(0.036)	ND(0.036)	0.36	0.18	0.54
	1-6	10/24/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.11	ND(0.037)	0.11
	6-15	10/24/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.12	ND(0.037)	0.12
RAA10-N-EE10	0-1	10/24/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.50	0.34	0.84
	1-6	10/24/2003	ND(0.036)	ND(0.036)	ND(0.036)	0.076	0.039	0.115
	6-15	10/24/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.11	ND(0.038)	0.11
RAA10-N-EE14	0-1	11/10/2003	ND(0.039)	ND(0.039)	ND(0.039)	0.044	0.034 J	0.078
	1-6	11/10/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	11/10/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-N-EE18	0-1	10/2/2003	ND(0.42)	ND(0.42)	ND(0.42)	4.4	2.2	6.6
	1-6	10/2/2003	ND(0.041)	ND(0.041)	0.14	0.24	0.065	0.445
	6-15	10/2/2003	ND(26)	190	ND(26)	ND(26)	ND(26)	190
RAA10-N-EE20	0-1	10/14/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	1-6	10/14/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	10/14/2003	ND(24)	64	ND(24)	ND(24)	ND(24)	64
RAA10-N-EE22	0-1	10/14/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	1-6	10/14/2003	ND(0.043)	0.76	ND(0.043)	0.16	0.070	0.99
	6-15	10/14/2003	ND(0.29) [ND(0.057)]	2.4 [1.7]	ND(0.29) [ND(0.057)]	ND(0.29) [0.39]	ND(0.29) [0.12]	2.4 [2.21]
RAA10-N-EE23	0-1	1/28/2004	ND(0.040)	0.10	ND(0.040)	1.1	0.67	1.87
RAA10-N-FF23	0-1	1/13/2004	ND(0.042)	ND(0.042)	ND(0.042)	0.31	0.41	0.72
RAA10-N-GG4	0-1	10/28/2003	ND(0.041)	ND(0.041)	ND(0.041)	0.21	0.12	0.33
	1-6	10/28/2003	ND(0.036)	ND(0.036)	ND(0.036)	0.060	ND(0.036)	0.060
	6-15	10/28/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.036 J	ND(0.037)	0.036 J
RAA10-N-GG5	0-1	10/28/2003	ND(0.042)	ND(0.042)	ND(0.042)	0.062	0.062	0.124
	1-3	10/28/2003	ND(0.040) [ND(0.039)]	ND(0.040) [ND(0.039)]	ND(0.040) [ND(0.039)]	ND(0.040) [0.048]	ND(0.040) [ND(0.039)]	ND(0.040) [0.048]
RAA10-N-GG6	0-1	11/12/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	1-3	11/12/2003	ND(0.038)	ND(0.038)	0.61	0.38	0.31	1.3
RAA10-N-GG7	1-3	11/12/2003	ND(0.038)	ND(0.038)	1.3	ND(0.038)	0.11	1.41
RAA10-N-GG14	0-1	10/16/2003	ND(0.040)	ND(0.040)	ND(0.040)	0.054	0.088	0.142
	1-6	10/16/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	10/16/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-N-GG18	0-1	10/14/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	1-6	10/14/2003	ND(0.20)	2.4	ND(0.20)	2.0	0.90	5.3
	6-15	10/14/2003	ND(0.054)	ND(0.054)	ND(0.054)	1.3	ND(0.054)	1.3
RAA10-N-GG20	0-1	10/14/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	1-6	10/14/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	10/14/2003	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
RAA10-N-GG22	0-1	10/14/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	1-6	10/14/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	10/14/2003	ND(0.046)	ND(0.046)	ND(0.046)	0.22	0.30	0.52
RAA10-N-GG24	0-1	3/17/2005	ND(0.043)	ND(0.043)	ND(0.043)	0.058	0.084	0.142
	1-3	3/17/2005	ND(0.041)	ND(0.041)	ND(0.041)	0.096	0.10	0.196
	3-6	3/17/2005	ND(0.046)	ND(0.046)	ND(0.046)	0.027 J	ND(0.046)	0.027 J
	6-15	3/17/2005	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)
RAA10-N-HH24	0-1	1/13/2004	ND(0.040)	ND(0.040)	ND(0.040)	0.11	0.20	0.31

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(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K12-9-1 (Industrial) (continued)								
RAA10-N-II5	0-1	10/28/2003	ND(0.041)	ND(0.041)	ND(0.041)	0.10	0.038 J	0.138
	1-6	10/28/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.036	0.036
	6-15	10/28/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.012 J	ND(0.037)	0.012 J
RAA10-N-II7	0-1	10/17/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.079	0.079
	1-6	10/17/2003	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	0.18 [0.18]	0.18 [0.18]
	6-15	10/17/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.022 J	0.022 J
RAA10-N-II8	0-1	10/9/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.15	0.15
	1-6	10/9/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.40	0.19	0.59
	6-15	10/9/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.17	0.041	0.211
RAA10-N-II10	1-6	10/17/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.012 J	0.012 J
	6-15	10/17/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-N-II16	0-1	10/7/2003	ND(0.036)	ND(0.036)	ND(0.036)	1.5	0.65	2.15
	1-6	10/7/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.058	ND(0.037)	0.058
	6-15	10/7/2003	ND(0.040)	ND(0.040)	ND(0.040)	0.019 J	ND(0.040)	0.019 J
RAA10-N-II18	0-1	10/2/2003	ND(0.036)	ND(0.036)	ND(0.036)	0.12	ND(0.036)	0.12
	6-15	10/2/2003	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	0.28 [0.40]	ND(0.042) [ND(0.042)]	0.28 [0.40]
RAA10-N-II20	0-1	10/14/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	1-6	10/14/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	10/14/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-N-II24	0-1	10/20/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.16	0.16
	1-6	10/20/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	10/20/2003	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-N-JJ6	0-1	10/17/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.045	0.045
	1-6	10/17/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	10/17/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-N-JJ10	0-1	10/17/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.95	0.52	1.47
	1-6	10/17/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.48	0.48
	6-15	10/17/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.065	0.065
RAA10-N-JJ19	0-1	2/22/2005	ND(2.1)	ND(2.1)	ND(2.1)	52	21	73
	1-6	2/22/2005	ND(3.9)	ND(3.9)	ND(3.9)	130	46	176
RAA10-N-JJ20	0-1	12/11/2003	ND(0.38)	ND(0.38)	ND(0.38)	2.4	1.6	4.0
	1-6	10/2/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.027 J	0.019 J	0.046 J
	6-15	10/2/2003	ND(0.045)	ND(0.045)	ND(0.045)	0.72	ND(0.045)	0.72
RAA10-N-JJ22	0-1	10/16/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.12	0.21	0.33
	1-6	10/16/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.11	0.19	0.30
	6-15	10/16/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.047	0.047
RAA10-N-K8	0-1	11/13/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	1.6	1.6
	1-3	11/13/2003	ND(0.19)	ND(0.19)	ND(0.19)	3.4	4.8	8.2
	3-6	11/13/2003	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	7.5	7.5
	6-15	11/13/2003	ND(0.53)	ND(0.53)	ND(0.53)	11	12	23
RAA10-N-KK5	0-1	10/23/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.27	0.26	0.53
	1-6	10/23/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.029 J	0.029 J
	6-15	10/23/2003	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]
RAA10-N-KK10	0-1	10/8/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	1-6	10/8/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	10/8/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)

TABLE C-1
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K12-9-1 (Industrial) (continued)								
RAA10-N-KK16	0-1	10/3/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.037 J	ND(0.038)	0.037 J
	1-6	10/3/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	10/3/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.021 J	ND(0.038)	0.021 J
RAA10-N-KK18	0-1	10/3/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	1-6	10/3/2003	ND(0.035)	ND(0.035)	ND(0.035)	0.034 J	ND(0.035)	0.034 J
	6-15	10/3/2003	ND(0.039)	ND(0.039)	ND(0.039)	0.038 J	ND(0.039)	0.038 J
RAA10-N-KK20	0-1	10/3/2003	ND(0.040)	ND(0.040)	ND(0.040)	0.15	0.26	0.41
	1-6	10/3/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.057	0.057
	6-15	10/3/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.028 J	0.028 J
RAA10-N-KK22	0-1	10/20/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.45	0.45
	1-6	10/20/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.084	0.084
	6-15	10/20/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-N-L8	0-1	1/16/2004	ND(0.048)	ND(0.048)	ND(0.048)	0.85	1.3	2.15
RAA10-N-LL6	0-1	10/31/2003	ND(0.040)	ND(0.040)	ND(0.040)	0.041	0.17	0.211
	1-6	10/31/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	10/31/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.040	0.040
RAA10-N-LL12	0-1	10/7/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.059	0.059
	1-6	10/7/2003	ND(0.036)	ND(0.036)	ND(0.036)	0.041	ND(0.036)	0.041
	6-15	10/7/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	1.2	1.2
RAA10-N-LL20	6-15	10/20/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-N-M7	1-6	11/13/2003	ND(0.25)	ND(0.25)	ND(0.25)	3.5	3.6	7.1
	6-15	11/13/2003	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
RAA10-N-M9	0-1	1/16/2004	ND(0.048)	ND(0.048)	ND(0.048)	0.54	1.2	1.74
	1-3	2/28/2005	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	5.5	5.5
	3-6	2/28/2005	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	69	69
RAA10-N-M10	0-1	3/24/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	1.8	1.8
	1-3	3/24/2004	ND(0.24)	ND(0.24)	ND(0.24)	2.7	3.2	5.9
	3-6	3/24/2004	ND(0.38)	ND(0.38)	ND(0.38)	4.2	3.7	7.9
	6-15	3/24/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)
RAA10-N-MM6	0-1	10/23/2003	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	6.3	6.3
	1-6	10/23/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.14	0.14
	6-15	10/23/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-N-MM7	0-1	10/31/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.084	0.084
	1-6	10/31/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	10/31/2003	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	0.18 [0.28]	0.18 [0.28]
RAA10-N-MM12	0-1	10/7/2003	ND(0.036)	ND(0.036)	ND(0.036)	0.012 J	0.012 J	0.024 J
	1-6	10/7/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	10/7/2003	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	1.5 [1.3]	1.5 [1.3]
RAA10-N-MM18	0-1	10/31/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.12	0.28	0.40
	1-6	10/31/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.032 J	ND(0.038)	0.032 J
	6-15	10/31/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-N-N9	0-1	1/16/2004	ND(0.046)	ND(0.046)	ND(0.046)	0.087	0.081	0.168
RAA10-N-N10	0-1	11/13/2003	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	4.3	4.3
	1-3	11/13/2003	ND(2.1) J	ND(2.1) J	ND(2.1) J	ND(2.1) J	30 J	30 J
	3-6	11/13/2003	ND(11) J	ND(11) J	ND(11) J	ND(11) J	360 J	360 J
RAA10-N-N11	0-1	1/20/2004	ND(24)	ND(24)	ND(24)	120	250	370

TABLE C-1
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K12-9-1 (Industrial) (continued)								
RAA10-N-NN7	0-1	10/31/2003	ND(0.042)	ND(0.042)	ND(0.042)	0.072	0.25	0.322
	1-6	10/31/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	6-15	10/31/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.19	0.19
RAA10-N-NN10	0-1	10/9/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.051	0.051
	1-6	10/9/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	10/9/2003	ND(0.040)	ND(0.040)	ND(0.040)	0.026 J	ND(0.040)	0.026 J
RAA10-N-NN12	0-1	10/7/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.029 J	0.029 J
	1-6	10/7/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	10/7/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-N-NN14	0-1	10/7/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.019 J	0.019 J
	1-6	10/7/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.064	0.047	0.111
	6-15	10/7/2003	ND(0.046)	ND(0.046)	ND(0.046)	0.036 J	ND(0.046)	0.036 J
RAA10-N-NN18	0-1	10/20/2003	ND(0.42)	ND(0.42)	ND(0.42)	ND(0.42)	3.0	3.0
	1-6	10/20/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.20	0.20
	6-15	10/20/2003	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)
RAA10-N-O5	1-6	3/2/2004	ND(20)	ND(20)	ND(20)	240	260	500
	6-15	3/2/2004	ND(0.049)	ND(0.049)	ND(0.049)	0.10	0.095	0.195
RAA10-N-O7	0-1	3/6/2007	ND(0.058) J	ND(0.058) J	ND(0.058) J	ND(0.058) J	0.028 J	0.028 J
	1-6	11/14/2003	ND(0.040) [ND(0.040)]	ND(0.040) [ND(0.040)]	ND(0.040) [ND(0.040)]	0.67 [0.53]	0.81 [0.69]	1.48 [1.22]
	6-15	11/14/2003	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
RAA10-N-O8	6-15	3/2/2004	ND(0.038)	ND(0.038)	ND(0.038)	1.7	1.8	3.5
RAA10-N-OO7	0-1	10/22/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.39	0.39
	1-6	10/22/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.031 J	0.031 J
	6-15	10/22/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.34	0.34
RAA10-N-OO8	0-1	10/16/2003	ND(0.036)	ND(0.036)	ND(0.036)	0.055	0.039	0.094
	1-6	10/16/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	10/16/2003	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	0.27 [0.35]	0.27 [0.35]
RAA10-N-OO16	0-1	10/22/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.042	0.042
	1-6	10/22/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	10/22/2003	ND(0.040) [ND(0.039)]	ND(0.040) [ND(0.039)]	ND(0.040) [ND(0.039)]	ND(0.040) [ND(0.039)]	ND(0.040) [ND(0.039)]	ND(0.040) [ND(0.039)]
RAA10-N-PP8	0-1	10/16/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.029 J	0.029 J
	1-6	10/16/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	10/16/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-N-PP12	0-1	10/16/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.37	0.37
	1-6	10/16/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.034 J	0.064	0.098
	6-15	10/16/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-N-PP14	6-15	10/20/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-N-Q3	1-6	3/2/2004	ND(0.20) [ND(0.79)]	ND(0.20) [ND(0.79)]	ND(0.20) [ND(0.79)]	2.6 J [8.4 J]	1.2 J [4.0 J]	3.8 J [12.4 J]
	6-15	3/2/2004	ND(3.9)	ND(3.9)	ND(3.9)	15	8.2	23.2
RAA10-N-Q7	0-1	3/6/2007	ND(0.067) J	ND(0.067) J	ND(0.067) J	ND(0.067) J	ND(0.067) J	ND(0.067) J
	1-6	3/3/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.62	0.62
	6-15	3/3/2004	ND(27)	ND(27)	ND(27)	ND(27)	130	130
RAA10-N-QQ8	0-1	10/22/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.29	0.29
	1-6	10/22/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	10/22/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K12-9-1 (Industrial) (continued)								
RAA10-N-QQ12	0-1	10/22/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.26	0.26
	1-6	10/22/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.011 J	0.011 J
	6-11	10/22/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-N-RR10	0-1	10/22/2003	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	1.6	1.6
	1-6	10/22/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	10/22/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-N-S1	0-1	3/1/2004	ND(0.043)	ND(0.043)	ND(0.043)	0.27	0.36	0.63
	1-6	3/1/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	3/1/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-N-S2	0-1	3/1/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	1-6	3/1/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	3/1/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-N-S7	0-1	3/7/2007	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)	0.12	0.12
	1-6	3/3/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.16	0.16
	6-15	3/3/2004	ND(22) [ND(21)]	ND(22) [ND(21)]	ND(22) [ND(21)]	ND(22) [ND(21)]	66 [69]	66 [69]
RAA10-N-U1	0-1	3/1/2004	ND(0.044)	ND(0.044)	ND(0.044)	0.027 J	0.051	0.078
	1-6	3/1/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	3/1/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-N-U2	1-6	3/1/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	3/1/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.32	0.38	0.70
RAA10-N-U3	0-1	3/2/2004	ND(0.043)	ND(0.043)	ND(0.043)	0.028 J	ND(0.043)	0.028 J
	1-6	3/2/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.075	0.033 J	0.108
	6-15	3/2/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-N-U4	0-1	3/6/2007	ND(0.047)	ND(0.047)	ND(0.047)	0.053	0.12	0.173
	1-6	3/2/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	3/2/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-N-U5	0-1	3/6/2007	ND(0.052) [ND(0.050)]	ND(0.052) [ND(0.050)]	ND(0.052) [ND(0.050)]	0.048 J [ND(0.050)]	0.051 J [ND(0.050)]	0.099 J [ND(0.050)]
	1-6	10/30/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.020 J	0.016 J	0.036 J
	6-15	10/30/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-N-U6	0-1	3/6/2007	ND(0.048) J	ND(0.048) J	ND(0.048) J	0.17 J	0.14 J	0.31 J
	1-6	3/2/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.042	0.028 J	0.070
	6-15	3/2/2004	ND(0.098)	ND(0.098)	ND(0.098)	ND(0.098)	ND(0.098)	ND(0.098)
RAA10-N-U7	1-6	3/3/2004	ND(0.039)	ND(0.039)	ND(0.039)	1.4	1.3	2.7
	6-15	3/3/2004	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	6.4	6.4
RAA10-N-W1	0-1	3/1/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.057	0.075	0.132
	1-6	3/1/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.010 J	0.016 J	0.026 J
	6-15	3/1/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-N-W3	0-1	3/6/2007	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	1-6	10/30/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	10/30/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-N-W4	1-6	10/30/2003	ND(0.038) [ND(0.039)]	ND(0.038) [ND(0.039)]	ND(0.038) [ND(0.039)]	ND(0.038) [0.019 J]	0.023 J [0.026 J]	0.023 J [0.045 J]
	6-15	10/30/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-N-W5	0-1	10/30/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.060	0.060
	1-6	10/30/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.036 J	0.061	0.097
	6-15	10/30/2003	ND(0.041)	ND(0.041)	ND(0.041)	0.019 J	ND(0.041)	0.019 J

TABLE C-1
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K12-9-1 (Industrial) (continued)								
RAA10-N-W6	0-1	3/3/2004	ND(0.042)	ND(0.042)	ND(0.042)	0.83	1.1	1.93
	1-6	3/3/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.067	ND(0.039)	0.067
	6-15	3/3/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.022 J	0.022 J
RAA10-N-W7	0-1	3/6/2007	ND(0.079)	ND(0.079)	ND(0.079)	0.074 J	0.076 J	0.15 J
	1-6	3/3/2004	ND(0.067)	ND(0.067)	ND(0.067)	0.12	0.11	0.23
	6-15	3/3/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	0.068 J	0.068 J
RAA10-N-W8	0-1	3/3/2004	ND(0.052)	ND(0.052)	ND(0.052)	0.11	0.14	0.25
	1-6	3/3/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.32	0.47	0.79
	6-15	3/3/2004	ND(0.22)	ND(0.22)	ND(0.22)	3.5	2.4	5.9
RAA10-N-X19	0-1	2/22/2005	ND(0.92)	ND(0.92)	ND(0.92)	7.4	3.7	11.1
	1-6	2/22/2005	ND(4.2)	ND(4.2)	ND(4.2)	7.8	15	22.8
RAA10-N-Y3	0-1	3/6/2007	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	1-6	10/29/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	10/29/2003	ND(0.036)	ND(0.036)	ND(0.036)	0.030 J	ND(0.036)	0.030 J
RAA10-N-Y6	0-1	11/11/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.011 J	0.011 J
	1-6	11/11/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	11/11/2003	ND(0.040)	ND(0.040)	ND(0.040)	0.016 J	ND(0.040)	0.016 J
RAA10-N-Y7	0-1	3/6/2007	ND(0.046)	ND(0.046)	ND(0.046)	0.077	0.092	0.169
	1-6	11/12/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.10	0.12	0.22
	6-15	11/12/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-N-Y18	0-1	10/23/2003	ND(0.040)	ND(0.040)	0.96	1.3	1.6	3.86
	1-6	10/23/2003	ND(2.2)	ND(2.2)	ND(2.2)	34	11	45
	6-15	10/23/2003	ND(220)	ND(220)	ND(220)	3700	ND(220)	3700
RAA10-N-Y20	0-1	5/12/2004	ND(1.9)	ND(1.9)	ND(1.9)	12	9.4	21.4
	1-3	5/12/2004	ND(4.2)	ND(4.2)	ND(4.2)	26	24	50
	3-6	5/12/2004	ND(0.41)	ND(0.41)	ND(0.41)	7.0	7.9	14.9
	6-15	5/12/2004	ND(1.9)	ND(1.9)	ND(1.9)	45	16	61
RAA10-N-Z20.5	0-1	5/12/2004	ND(18)	ND(18)	ND(18)	ND(18)	37	37
	1-3	5/12/2004	ND(19)	ND(19)	ND(19)	ND(19)	62	62
	3-6	5/12/2004	ND(21)	ND(21)	ND(21)	ND(21)	38	38
	6-15	5/12/2004	ND(0.085)	ND(0.085)	ND(0.085)	2.5	1.8	4.3
RAA10-UB-11	0-1	10/28/2003	ND(0.042)	ND(0.042)	ND(0.042)	0.19	0.20	0.39
UB-UTL-1	1-6	7/28/2008	ND(0.033)	ND(0.033)	ND(0.033)	0.12	ND(0.033)	0.12
UB-UTL-2	1-6	7/28/2008	ND(1.8)	ND(1.8)	26	25	ND(1.8)	51
UB-UTL-3	1-6	7/28/2008	ND(360)	ND(360)	ND(360)	3500	ND(360)	3500
Parcel L12-2-2 (Industrial)								
RAA10-E-A21	0-1	5/20/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-E-A22	0-1	5/26/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.080	0.080
RAA10-E-B21	0-1	5/20/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.17	0.22	0.39
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)
	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)]
	3-6	5/20/2004	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)
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)

TABLE C-1
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-2 (Industrial) (continued)								
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)
	1-3	5/25/2004	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)
	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)]
RAA10-E-C20	0-1	5/20/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-E-C21	0-1	5/20/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-C22	0-1	5/20/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-C23	0-1	5/26/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
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)
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)
RAA10-E-C26	0-1	5/26/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.092	0.51	0.602
RAA10-E-D21	0-1	5/20/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.017 J	0.012 J	0.029 J
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)
	1-3	5/20/2004	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)
	6-15	5/20/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-E-D23	0-1	5/17/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
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)
	1-3	5/17/2004	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)
	6-15	5/17/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-D25	0-1	5/26/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-D26	0-1	5/26/2004	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)	0.050	0.044	0.094
	3-6	5/26/2004	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)
RAA10-E-E19	0-1	5/19/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.058	0.094	0.152
RAA10-E-E20	0-1	5/20/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.064	0.067	0.131
RAA10-E-E21	0-1	5/20/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.22	0.048	0.268
RAA10-E-E22	0-1	5/17/2004	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)	0.026 J	0.026 J
RAA10-E-E24	0-1	5/17/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-E25	0-1	5/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-E-E26	0-1	5/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.17	0.23	0.40
RAA10-E-F19	0-1	5/19/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.26	0.26	0.52
RAA10-E-F20	0-1	5/20/2004	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)
	3-6	5/20/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	5/20/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-E-F21	0-1	5/19/2004	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [0.026 J]	ND(0.036) [ND(0.036)]	ND(0.036) [0.026 J]
RAA10-E-F22	0-1	7/28/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	1-3	7/28/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	3-6	7/28/2004	ND(0.042) [ND(0.040)]	ND(0.042) [ND(0.040)]	ND(0.042) [ND(0.040)]	ND(0.042) [ND(0.040)]	ND(0.042) [ND(0.040)]	ND(0.042) [ND(0.040)]
	6-15	7/28/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
RAA10-E-F25	0-1	5/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.087	0.087

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(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-2 (Industrial) (continued)								
RAA10-E-F26	0-1	5/25/2004	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)
	3-6	5/25/2004	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)
RAA10-E-G19	0-1	5/19/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.050	0.050
RAA10-E-G20	0-1	5/19/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.14	0.092	0.232
RAA10-E-G21	0-1	5/19/2004	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)	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)	0.051	0.051
RAA10-E-G26	0-1	5/26/2004	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)
RAA10-E-G28	0-1	5/26/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.79	0.29	1.08
RAA10-E-H18	0-1	5/19/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.12	0.068	0.188
	1-3	5/19/2004	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	0.14 [0.036 J]	0.042 [ND(0.037)]	0.182 [0.036 J]
	3-6	5/19/2004	ND(0.045)	ND(0.045)	ND(0.045)	0.080	ND(0.045)	0.080
	6-15	5/19/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-E-H19	0-1	5/17/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-H20	0-1	7/28/2004	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)
	3-6	7/28/2004	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)
RAA10-E-H21	0-1	5/17/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.089	0.089
RAA10-E-H23	0-1	5/18/2004	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) J [0.28 J]	0.17 J [0.50 J]	0.17 J [0.78 J]
RAA10-E-H24	0-1	5/18/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	1-3	5/18/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.045	0.045
	3-6	5/18/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.074	0.074
	6-15	5/18/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA10-E-H25	0-1	5/26/2004	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)
	1-3	5/26/2004	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)
	6-15	5/26/2004	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)	0.051	0.051
RAA10-E-H28	0-1	5/27/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-3	5/27/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.32	0.19	0.51
	3-6	5/27/2004	ND(0.046)	ND(0.046)	ND(0.046)	0.16	0.066	0.226
	6-15	5/27/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
RAA10-E-I18	0-1	5/19/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.45	0.17	0.62
RAA10-E-I19	0-1	5/17/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
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) [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)	1.6	ND(0.036)	1.6
RAA10-E-I23	0-1	5/18/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.49	0.81	1.3
RAA10-E-I24	0-1	5/27/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.023 J	0.013 J	0.036 J
RAA10-E-I25	0-1	5/27/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-E-I26	0-1	5/27/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-E-I27	0-1	5/27/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.022 J	0.022 J

TABLE C-1
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-2 (Industrial) (continued)								
RAA10-E-J17	0-1	5/19/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.32	0.14	0.46
RAA10-E-J18	0-1	5/17/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.024 J	0.024 J
	1-3	5/17/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.025 J	ND(0.036)	0.025 J
	3-6	5/17/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	5/17/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)
RAA10-E-J22	0-1	5/25/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.23	0.23
	1-3	5/25/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.038	0.038
	3-6	5/25/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	5/25/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA10-E-J23	0-1	6/1/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.13	0.21	0.34
RAA10-E-J24	0-1	5/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-3	5/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	3-6	5/26/2004	ND(0.040)	ND(0.040)	ND(0.040)	0.18	ND(0.040)	0.18
	6-15	5/26/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
RAA10-E-J25	0-1	6/1/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-E-J26	0-1	5/25/2004	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)
	3-6	5/25/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.20	0.030 J	0.23
	6-15	5/25/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.050	0.050
RAA10-E-J27	0-1	6/1/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-K16	0-1	5/19/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.086	0.061	0.147
RAA10-E-K17	0-1	5/19/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.026 J	0.026 J
RAA10-E-K18	0-1	5/17/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-K22	0-1	6/9/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.052	0.052
RAA10-E-K23	0-1	6/1/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.044	ND(0.037)	0.044
RAA10-E-K24	0-1	6/1/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-K25	0-1	6/1/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-K26	0-1	6/1/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-L16	0-1	5/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.15	0.15
	1-3	5/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.25	ND(0.037)	0.25
	3-6	5/18/2004	ND(0.040)	ND(0.040)	ND(0.040)	1.7	0.34	2.04
	6-15	5/18/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-L17	0-1	5/17/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-L22	0-1	5/27/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.090	0.090
	1-3	5/27/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.024 J	0.024 J
	3-6	5/27/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	5/27/2004	ND(0.045) [ND(0.045)]	ND(0.045) [ND(0.045)]	ND(0.045) [ND(0.045)]	ND(0.045) [ND(0.045)]	ND(0.045) [ND(0.045)]	ND(0.045) [ND(0.045)]
RAA10-E-L23	0-1	6/1/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-E-L24	0-1	5/10/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	1-3	5/10/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	3-6	5/10/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	5/10/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA10-E-L25	0-1	6/1/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-E-L26	0-1	5/10/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.037	ND(0.036)	0.037
	1-3	5/10/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	3-6	5/10/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	6-15	5/10/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)

TABLE C-1
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-2 (Industrial) (continued)								
RAA10-E-LM15.5	0-1	3/19/2007	ND(0.036)	ND(0.036)	ND(0.036)	0.052	0.076	0.128
	1-3	3/19/2007	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.040	0.040
	3-6	3/19/2007	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	2.0	2.0
RAA10-E-M15	0-1	5/13/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.16	0.24	0.40
RAA10-E-M16	0-1	5/13/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.13	0.18	0.31
RAA10-E-M17	0-1	5/17/2004	ND(0.040)	ND(0.040)	ND(0.040)	0.26	0.30	0.56
RAA10-E-M21	0-1	6/1/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.49	0.49
RAA10-E-M22	0-1	6/1/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-E-M23	0-1	6/1/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-E-M24	0-1	6/1/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-M25	0-1	6/1/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-N17	0-1	5/13/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-N18	0-1	5/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.057	ND(0.036)	0.057
	1-3	5/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.28	0.048	0.328
	3-6	5/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.36	0.070	0.43
	6-15	5/18/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA10-E-N19	0-1	5/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.10	0.10
RAA10-E-N20	0-1	5/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.23	0.23
	1-3	5/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.10	0.10
	3-6	5/18/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.13	0.13
	6-15	5/18/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-N21	0-1	6/1/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.10	0.10
RAA10-E-N22	0-1	5/10/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-3	5/10/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	3-6	5/10/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	6-15	5/10/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
RAA10-E-N23	0-1	6/1/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.019 J	0.019 J
RAA10-E-N24	0-1	5/10/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	1-3	5/10/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	3-6	5/10/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	6-15	5/10/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
RAA10-E-N25	0-1	6/1/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.013 J	0.0098 J	0.0228 J
RAA10-E-O19	0-1	5/13/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.24	0.24	0.48
RAA10-E-O20	0-1	5/13/2004	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	0.027 J [0.045]	0.039 [0.12]	0.066 [0.165]
RAA10-E-O21	0-1	5/13/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.050	0.12	0.17
RAA10-E-O22	0-1	6/1/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-E-O23	0-1	6/1/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-O24	0-1	6/1/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-O25	0-1	6/1/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-E-P21	0-1	5/18/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.023 J	0.017 J	0.040 J
RAA10-E-P22	0-1	5/10/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-3	5/10/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	3-6	5/10/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	6-15	5/10/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
RAA10-E-P23	0-1	6/2/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)

TABLE C-1
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CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-2 (Industrial) (continued)								
RAA10-E-P24	0-1	5/10/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	1-3	5/10/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	3-6	5/10/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	6-15	5/10/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-E-Q23	0-1	6/1/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-Q24	0-1	6/1/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
Parcel L12-2-2 (Non-Industrial)								
RAA10-E-D27	0-1	5/26/2004	ND(0.039) [ND(0.038)]	ND(0.039) [ND(0.038)]	ND(0.039) [ND(0.038)]	0.60 [0.88]	0.50 J [1.0 J]	1.1 J [1.88 J]
RAA10-E-E27	0-1	5/27/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.44	0.44
RAA10-E-E28	0-1	5/27/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.35	0.35
RAA10-E-F27	0-1	5/27/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.14	0.12	0.26
RAA10-E-F28	0-1	5/25/2004	ND(0.040)	ND(0.040)	ND(0.040)	0.46	0.70	1.16
	1-3	5/25/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.57	0.57
	3-6	5/25/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	6-15	5/25/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA10-E-G29	0-1	5/27/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.15	0.15
RAA10-E-H29	0-1	5/27/2004	ND(0.39)	ND(0.39)	ND(0.39)	6.1	ND(0.39)	6.1
RAA10-E-H29.5	0-1	3/9/2007	ND(0.052)	ND(0.052)	ND(0.052)	0.023 J	0.033 J	0.056 J
RAA10-E-I28	0-1	5/27/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.64	0.64
RAA10-E-I29	0-1	5/27/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.94	0.94
RAA10-E-I30	0-1	5/27/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.12	0.12
RAA10-E-J28	0-1	5/27/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.082	0.16	0.242
	1-3	5/27/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.031 J	0.067	0.098
	3-6	5/27/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	6-15	5/27/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
RAA10-E-J29	0-1	5/27/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.073	0.10	0.173
RAA10-E-K27	0-1	7/28/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.090	0.20	0.29
RAA10-E-K28	0-1	6/1/2004	ND(0.041)	ND(0.041)	ND(0.041)	0.059	0.083	0.142
RAA10-E-K29	0-1	6/1/2004	ND(0.042)	ND(0.042)	ND(0.042)	0.15	0.34	0.49
RAA10-E-L27	0-1	6/1/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.069	0.069
RAA10-E-L28	1-3	5/28/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.24	0.24
	3-6	5/28/2004	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]
	6-15	5/28/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)
RAA10-E-M26	0-1	6/1/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.35	0.60	0.95
RAA10-E-M27	0-1	6/7/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.29	0.29
RAA10-E-M28	0-1	6/1/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.076	0.076
RAA10-E-N15	0-1	5/19/2004	ND(0.19)	ND(0.19)	ND(0.19)	2.9	0.84	3.74

TABLE C-1
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-2 (Non-Industrial) (continued)								
RAA10-E-N16	0-1	5/18/2004	ND(0.38)	ND(0.38)	ND(0.38)	17	2.7	19.7
	1-3	5/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.48	0.29	0.77
	3-6	5/18/2004	ND(2.0)	ND(2.0)	ND(2.0)	32	ND(2.0)	32
	6-15	5/18/2004	ND(0.044)	ND(0.044)	ND(0.044)	0.79	ND(0.044)	0.79
RAA10-E-N26	0-1	5/28/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.13	0.24	0.37
	1-3	5/28/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	3-6	5/28/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	6-15	5/28/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)
RAA10-E-N27	0-1	6/1/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)
RAA10-E-NO26.5	0-1	3/9/2007	ND(0.066) J	ND(0.066) J	ND(0.066) J	0.17 J	0.072 J	0.242 J
RAA10-E-O14	0-1	2/24/2005	ND(0.038)	ND(0.038)	ND(0.038)	0.40	0.17	0.57
RAA10-E-O16	0-1	5/19/2004	ND(0.42)	ND(0.42)	ND(0.42)	10	2.2	12.2
RAA10-E-O18	0-1	5/18/2004	ND(0.050)	ND(0.050)	ND(0.050)	0.97	0.52	1.49
RAA10-E-O26	0-1	6/1/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
RAA10-E-P14	0-1	2/24/2005	ND(0.77)	ND(0.77)	ND(0.77)	18	2.9	20.9
	1-3	2/24/2005	ND(40)	ND(40)	ND(40)	1300	ND(40)	1300
	3-6	2/24/2005	ND(40)	ND(40)	ND(40)	640	ND(40)	640
	6-15	2/24/2005	ND(0.25)	ND(0.25)	ND(0.25)	4.9	ND(0.25)	4.9
RAA10-E-P15	0-1	5/19/2004	ND(4.0)	ND(4.0)	ND(4.0)	100	ND(4.0)	100
RAA10-E-P16	0-1	6/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.10	0.072	0.172
	1-3	6/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	3-6	6/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	6/18/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-P17	0-1	6/17/2004	ND(0.30)	ND(0.30)	ND(0.30)	3.6	1.4	5.0
RAA10-E-P18	0-1	6/17/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)
	1-3	6/17/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	3-6	6/17/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	6-15	6/17/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
RAA10-E-P19	0-1	6/17/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	3.6	3.6
RAA10-E-P20	1-3	6/16/2004	ND(0.050)	ND(0.050)	ND(0.050)	0.39	0.91	1.3
	3-6	6/16/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	6-15	6/16/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
RAA10-E-P25	0-1	6/1/2004	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	0.047 [0.058]	0.047 [0.058]
RAA10-E-P26	0-1	5/28/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.14	0.14
	1-3	5/28/2004	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)
	3-6	5/28/2004	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)
	6-15	5/28/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)
RAA10-E-Q14	0-1	2/24/2005	ND(0.78)	ND(0.78)	ND(0.78)	20	ND(0.78)	20
RAA10-E-Q15	0-1	5/19/2004	ND(0.81)	ND(0.81)	ND(0.81)	17	ND(0.81)	17
RAA10-E-Q16	0-1	6/2/2004	ND(0.065)	ND(0.065)	ND(0.065)	0.65	0.26	0.91
RAA10-E-Q17	0-1	6/2/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
RAA10-E-Q18	0-1	6/2/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.030 J	0.030 J
RAA10-E-Q19	0-1	6/2/2004	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)
RAA10-E-Q20	0-1	6/2/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-Q21	0-1	6/2/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA10-E-Q25	0-1	6/1/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.042 J	0.042 J

TABLE C-1
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-2 (Non-Industrial) (continued)								
RAA10-E-R14	0-1	2/24/2005	ND(4.0)	ND(4.0)	ND(4.0)	73	ND(4.0)	73
	1-3	2/24/2005	ND(0.20)	ND(0.20)	ND(0.20)	2.6	ND(0.20)	2.6
	3-6	2/24/2005	ND(44)	ND(44)	ND(44)	270	ND(44)	270
	6-15	2/24/2005	ND(0.050)	ND(0.050)	ND(0.050)	0.90	ND(0.050)	0.90
RAA10-E-R15	0-1	6/17/2004	ND(0.047)	ND(0.047)	ND(0.047)	0.19	0.42	0.61
RAA10-E-R16	1-3	7/27/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	3-6	7/27/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	6-15	7/27/2004	ND(0.051) [ND(0.060)]	ND(0.051) [ND(0.060)]	ND(0.051) [ND(0.060)]	ND(0.051) [ND(0.060)]	ND(0.051) [ND(0.060)]	ND(0.051) [ND(0.060)]
RAA10-E-R17	0-1	6/2/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.030 J	0.030 J
RAA10-E-R18	0-1	6/9/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.092	0.092
	1-3	6/9/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	3-6	6/9/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	6-15	6/9/2004	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)
RAA10-E-R19	0-1	6/2/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.093	0.093
RAA10-E-R20	0-1	6/16/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.032 J	0.032 J
	1-3	6/16/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	3-6	6/16/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	6-15	6/16/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
RAA10-E-R21	0-1	6/2/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA10-E-R22	0-1	6/11/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	1-3	6/11/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	3-6	6/11/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	6-15	6/11/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
RAA10-E-R23	0-1	6/2/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.11	0.11
RAA10-E-R24	0-1	6/2/2004	ND(0.050)	ND(0.050)	ND(0.050)	0.81	0.56	1.37
	1-3	6/2/2004	ND(0.045) [ND(0.044)]	ND(0.045) [ND(0.044)]	ND(0.045) [ND(0.044)]	ND(0.045) [ND(0.044)]	0.022 J [0.020 J]	0.022 J [0.020 J]
	3-6	6/2/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	6-15	6/2/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
RAA10-E-R25	0-1	6/1/2004	ND(0.054)	ND(0.054)	ND(0.054)	0.51	0.19	0.70
RAA10-E-S14	0-1	2/24/2005	ND(40) [ND(41)]	ND(40) [ND(41)]	ND(40) [ND(41)]	1200 [1200]	ND(40) [ND(41)]	1200 [1200]
RAA10-E-S15	0-1	6/17/2004	ND(0.61)	ND(0.61)	ND(0.61)	5.8	2.2	8.0
RAA10-E-S16	0-1	6/4/2004	ND(0.066)	ND(0.066)	ND(0.066)	0.23	0.10	0.33
RAA10-E-S17	0-1	6/2/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.025 J	0.025 J
RAA10-E-S19	0-1	6/2/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.048 J	0.048 J
RAA10-E-S20	0-1	6/2/2004	ND(0.044) [ND(0.055)]	ND(0.044) [ND(0.055)]	ND(0.044) [ND(0.055)]	ND(0.044) [ND(0.055)]	0.030 J [0.078]	0.030 J [0.078]
RAA10-E-S21	0-1	6/2/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)
RAA10-E-S22	0-1	6/2/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
RAA10-E-S23	0-1	6/2/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.034 J	0.034 J
RAA10-E-S24	0-1	6/4/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.035 J	0.035 J
RAA10-E-T16	1-3	6/18/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	3-6	6/18/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	6-15	6/18/2004	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)
RAA10-E-T18	0-1	6/11/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.033 J	0.033 J
	1-3	6/11/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	3-6	6/11/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)
	6-15	6/11/2004	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)

TABLE C-1
PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-2 (Non-Industrial) (continued)								
RAA10-E-T19	0-1	6/4/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.035 J	0.035 J
RAA10-E-T20	0-1	6/14/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.048	0.048
	1-3	6/14/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	3-6	6/14/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	6-15	6/14/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.18	0.18
RAA10-E-T21	0-1	6/4/2004	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	0.036 J	0.036 J
RAA10-E-T22	0-1	6/9/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	1-3	6/9/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	3-6	6/9/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	6-15	6/9/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.027 J	0.027 J
RAA10-E-T23	0-1	6/4/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.018 J	0.018 J
RAA10-E-T24	1-3	6/9/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	3-6	6/9/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	6-15	6/9/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.035 J	0.035 J
RAA10-E-U22	0-1	6/4/2004	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	0.13	0.13
RAA10-E-U23	0-1	6/4/2004	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	0.049 J	0.049 J

Notes:

1.
2.
3. Samples were collected by ARCADIS and submitted to CompuChem Environmental Corporation and SGSEnvironmental Services, Inc. for analysis of PCBs.
4. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
   ND - Analyte was not detected. The number in parentheses is the associated detection limit.
   Field duplicate sample results are presented in brackets.

Data Qualifiers:

J - Indicates that the associated numerical value is an estimated concentration.
P - Greater than 25% difference between primary and confirmation collumn.
R - Data was rejected due to a deficiency in the data generation process.

TABLE C-2
EPA SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K11-7-2											
RAA10-W-J21	UB-BH001092-0-0060	6-15	8/26/2003	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)
Parcel K12-9-1 (Industrial)											
BW0050A	BW0050A	0-0.5	7/7/1998	NA	NA	NA	NA	NA	560	100	660
RAA10-N-DPO	UB-SE001544-0-0000	0-1.4	11/17/2003	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	0.38 J	1.3	1.7 J
RAA10-N-EE18	UB-BH001133-0-0060	6-15	10/2/2003	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	0.10	0.034	0.13
RAA10-N-JJ22	UB-BH001149-0-0060	6-15	10/16/2003	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	0.062 J	0.031 J	0.093 J
RAA10-N-N10	UB-BH001169-0-0030	3-6	11/13/2003	ND(40)	ND(40)	ND(40)	ND(40)	ND(40)	ND(40)	390	390
RAA10-N-RR10	UB-BH001159-0-0010	1-6	10/22/2003	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	0.026 J	0.026 J
Parcel L12-2-2 (Industrial)											
RAA10-E-L16	UB-BH001325-0-4M25	1-3	5/25/2004	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	0.60	0.064	0.66

Notes:

1. Sample collection and analysis performed by United States Environmental Protection Agency (EPA) Subcontractors. Results provided to GE under a Data Exchange Agreement.
2. NA - Not Analyzed - Laboratory did not report results for this analyte.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

Data Qualifiers:

J - Estimated Value

TABLE C-3
HISTORICAL SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K11-7-2											
RF-14	PG14B0002	0-2	6/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.060) v	ND(0.050)	ND(0.060)
	PG14B0204	2-4	6/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PG14B0406	4-6	6/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.090	0.060	0.15
	PG14B0608	6-8	6/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.060	ND(0.050)	0.060
	PG14B0810	8-10	6/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.22	0.070	0.29
	PG14B1012	10-12	6/10/1991	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	0.17	ND(0.020)	0.17
	PG14B1214	12-14	6/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PG14B1416	14-16	6/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
RF-15	PG15B0002	0-2	6/17/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.060	0.060
	PG15B0204	2-4	6/17/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PG15B0406	4-6	6/17/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PG15B0608	6-8	6/17/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PG15B0810	8-10	6/17/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.17	0.14	0.31
	PG15B1012	10-12	6/17/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PG15B1214	12-14	6/17/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.38	0.33	0.71
	PG15B1416	14-16	6/17/1991	ND(0.020) [ND(0.024)]	ND(0.020) [ND(0.024)]	ND(0.020) [ND(0.024)]	ND(0.020) [ND(0.024)]	ND(0.020) [ND(0.024)]	ND(0.020) [0.076]	ND(0.020) [ND(0.024)]	ND(0.020) [0.076]
SB-1	SB-1.1A	0-2	8/9/1994	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
	SB-1.2A	2-4	8/9/1994	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
	SB-1.3A	4-6	8/9/1994	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	SB-1.4A	6-8	8/9/1994	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	SB-1.5A	8-10	8/9/1994	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	SB-1.6A	10-12	8/9/1994	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
	SB-1.7A	12-14	8/9/1994	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
	SB-1.8A	14-16	8/9/1994	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
SB-2	SB-2.1A	0-2	8/9/1994	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
	SB-2.2A	2-4	8/9/1994	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
	SB-2.3A	4-6	8/9/1994	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	SB-2.4A	6-8	8/9/1994	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	SB-2.5A	8-10	8/9/1994	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	SB-2.6A	10-12	8/9/1994	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
	SB-2.7A	12-14	8/9/1994	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
	SB-2.8A	14-16	8/9/1994	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
UB-MW-5	UBW050002	0-2	10/30/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.17	0.17
	UBW050204	2-4	10/30/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	1.2	1.2
	UBW050406	4-6	10/30/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.15 P	0.15
	UBW050608	6-8	10/30/1996	ND(0.036)	ND(0.072)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.024 JP	0.024 J
	UBW050810	8-10	10/30/1996	ND(0.036)	ND(0.072)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.039 JP	0.039 J
	UBW051012	10-12	10/30/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.061	0.061
	UBW051214	12-14	10/30/1996	ND(0.036)	ND(0.072)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.022 J	0.022 J
	UBW051416	14-16	10/30/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.58	0.58
UB-MW-6	UBW060002	0-2	10/30/1996	ND(0.034)	ND(0.069)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.069)
	UBW060204	2-4	10/30/1996	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.075)
	UBW060608	6-8	10/30/1996	ND(0.037)	ND(0.074)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.074)
	UBW060810	8-10	10/30/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.074)
	UBW061012	10-12	10/30/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.076)
	UBW061214	12-14	10/30/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.076)
	UBW061416	14-16	10/30/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.17	0.17

TABLE C-3
HISTORICAL SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K11-7-2 (continued)											
UB-MW-7	UBW0700.5	0-0.5	8/2/1996	ND(0.039)	ND(0.080)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.57	0.57
	UBW070204	2-4	8/2/1996	ND(0.035)	ND(0.071)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.071)
	UBW070406	4-6	8/2/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.073)
	UBW070608	6-8	8/2/1996	ND(0.037)	ND(0.074)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.074)
	UBW070810	8-10	8/2/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.074)
	UBW071012	10-12	8/2/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.074)
	UBW071214	12-14	8/2/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.074)
	UBW071416	14-16	8/2/1996	ND(0.038)	ND(0.076)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.076)
UB-MW-8	UBW080002	0-2	8/3/1996	ND(0.038)	ND(0.076)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.18	0.18
	UBW080204	2-4	8/3/1996	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.012 J	0.012 J
	UBW080406	4-6	8/3/1996	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.077)
	UBW080608	6-8	8/3/1996	ND(0.039)	ND(0.079)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.079)
	UBW080810	8-10	8/3/1996	ND(0.038)	ND(0.076)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.076)
	UBW081214	12-14	8/3/1996	ND(0.043)	ND(0.087)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.087)
UB-SS-1	UB-SS-1	0-0.5	12/18/1996	ND(0.042)	ND(0.085)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.16	0.16
UB-SS-2	UB-SS-2	0-0.5	12/18/1996	ND(0.85)	ND(1.7)	ND(0.85)	ND(0.85)	ND(0.85)	ND(0.85)	ND(0.85)	ND(1.7)
UB-SS-3	UB-SS-3	0-0.5	12/18/1996	ND(0.046)	ND(0.094)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.14 P	0.14
UB-SS-4	UB-SS-4	0-0.5	12/18/1996	ND(0.87)	ND(1.8)	ND(0.87)	ND(0.87)	ND(0.87)	ND(0.87)	14 P	14
Parcel K12-9-1 (Industrial)											
51-1-C1	51-1-C1A	0-2	5/31/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	1.4	1.4
51-1-C2	51-1-C2A	0-2	5/31/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.090)	2.9	2.9
51-1-C3	51-1-C3A	0-2	5/31/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.070	0.070
51-1-C4	51-1-C4A	0-2	5/31/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
51-1-C5	51-1-C5A	0-2	5/31/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.060	0.060
51G-01	51G-01	0-1	8/27/2002	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	2.3	0.50	2.8
		1-6	8/27/2002	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.049	0.057	0.106
		6-15	8/27/2002	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
60G-01	60G-01	0-1	8/27/2002	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.093	0.093
		1-6	8/27/2002	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.064	0.064
60G-02	60G-02	0-1	8/27/2002	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	1.0	0.54	1.54
		1-6	8/27/2002	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.53	0.53
		6-15	8/27/2002	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)
120W-11	120W-11	0-2	8/21/1989	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	6.3	6.3
		2-4	8/21/1989	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)
		4-6	8/21/1989	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)
BA-1	BBA01.502	0.5-2	8/13/1996	ND(2.4)	ND(4.9)	ND(2.4)	110	ND(2.4)	ND(2.4)	92 P	202
	BBA0100.5	0-0.5	8/13/1996	ND(0.88)	ND(1.8)	ND(0.88)	ND(0.88)	ND(0.88)	ND(0.88)	12 P	12
	BBA010204	2-4	8/13/1996	ND(2.7)	ND(5.5)	ND(2.7)	ND(2.7)	ND(2.7)	ND(2.7)	730	730
	BBA010406	4-6	8/13/1996	ND(0.68)	ND(1.4)	ND(0.68)	ND(0.68)	ND(0.68)	ND(0.68)	3.2 P	3.2
BA-2	BBA02.502	0.5-2	8/13/1996	ND(0.042)	ND(0.085)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.083 JP	0.083 J
	BBA0200.5	0-0.5	8/13/1996	ND(1.2)	ND(2.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	17 P	17
	BBA020204	2-4	8/13/1996	ND(0.043)	ND(0.087)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.55 P	0.55
	BBA020405	4-5	8/13/1996	ND(0.046)	ND(0.093)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.038 P	0.038
MG-01	MG-01	0-1	8/29/2002	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.039	0.066	0.105
		1-6	8/29/2002	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
		6-15	8/29/2002	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
MG-02	MG-02	0-1	8/29/2002	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.12	0.16	0.28
		1-6	8/29/2002	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.037	0.037
		6-15	8/29/2002	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
MG-03	MG-03	0-1	9/19/2002	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
MG-04	MG-04	0-1	9/19/2002	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
MG-05	MG-05	0-1	9/19/2002	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.11	0.19	0.30

TABLE C-3
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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K12-9-1 (Industrial) (continued)											
MG-06	MG-06	0-1	9/19/2002	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.052	0.12	0.172
MG-07	MG-07	0-1	9/19/2002	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.047	0.089	0.136
MG-08	MG-08	0-1	9/19/2002	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.018 J	0.038	0.056
MG-09	MG-09	0-1	9/19/2002	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.048	0.088	0.136
MG-10	MG-10	0-1	9/19/2002	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.44	0.59	1.03
MG-11	MG-11	0-1	9/19/2002	ND(0.77)	ND(0.77)	ND(0.77)	ND(0.77)	ND(0.77)	3.1	4.5	7.6
MG-12	MG-12	0-1	9/19/2002	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
MG-13	MG-13	0-1	9/19/2002	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
MG-14	MG-14	0-1	9/19/2002	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.14	0.19	0.33
MG-15	MG-15	0-1	9/19/2002	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.070	0.11	0.18
MG-16	MG-16	0-1	9/19/2002	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.10	0.12	0.22
MG-17	MG-17	0-1	9/19/2002	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.092	0.16	0.252
MG-18	MG-18	0-1	9/19/2002	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.068	0.10	0.168
MG-19	MG-19	0-1	9/19/2002	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.026 J	0.026 J
MG-20	MG-20	0-1	9/19/2002	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.079	0.081	0.16
MG-21	MG-21	0-1	9/19/2002	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.049	0.049
MG-22	MG-22	0-1	9/19/2002	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.053	0.053
MG-23	MG-23	0-1	9/19/2002	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.10	0.16	0.26
MG-24	MG-24	0-1	9/19/2002	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.24	0.38	0.62
MG-25	MG-25	0-1	9/19/2002	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.045	0.15	0.195
MG-26	MG-26	0-1	9/19/2002	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.022 J	0.069	0.091
MG-27	MG-27	0-1	9/19/2002	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.044	0.036 J	0.080
MG-28	MG-28	0-1	9/19/2002	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.020 J	0.048	0.068
MG-29	MG-29	0-1	9/19/2002	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.021 J	0.021 J
MG-30	MG-30	0-1	9/19/2002	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.023 J	0.029 J	0.052 J
MG-31	MG-31	0-1	9/19/2002	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.023 J	0.023 J
MG-32	MG-32	0-1	9/19/2002	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.015 J	0.015 J
MG-33	MG-33	0-1	9/19/2002	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.035 J	0.035 J
MG-34	MG-34	0-1	9/19/2002	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.018 J	0.018 J
39D	PU39B0002	0-2	1/24/1991	ND(0.060)	NA	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.13)	3.1	3.1
	PU39B0204	2-4	1/24/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PU39B0406	4-6	1/24/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PU39B0608	6-8	1/24/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PU39B0810	8-10	1/24/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.19	ND(0.050)	0.19
	PU39B1012	10-12	1/24/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.11	ND(0.050)	0.11
	PU39B1214	12-14	1/24/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.090	ND(0.050)	0.090
	PU39B1416	14-16	1/24/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.23	ND(0.070)	0.23
Trench A	Trench A, 0.5-1.5	0.5-1.5	11/22/1985	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	100	ND(0.040)	100
Trench B	Trench B, 0.5-1.5	0.5-1.5	11/22/1985	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	340	ND(0.040)	340
Trench E	Trench E, 0.5-1.5	0.5-1.5	11/22/1985	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
UB-SB-1	UBB0100.5	0-0.5	12/16/1997	NR	NR	NR	NR	NR	NR	NR	2.1
	UBB010002	0-2	7/30/1996	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	2.4 P	2.4
	UBB010204	2-4	7/30/1996	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.029 P	0.029
	UBB010406	4-6	7/30/1996	ND(0.040)	ND(0.081)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.016 JP	0.016 J
	UBB010608	6-8	7/30/1996	ND(0.20)	ND(0.40)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.17 P	0.17
	UBB010810	8-10	7/30/1996	ND(0.041)	ND(0.082)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.082)
UB-SB-2	UBB020204	2-4	8/9/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.080	0.080
	UBB020406	4-6	8/9/1996	ND(0.80)	ND(1.6)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(1.6)

TABLE C-3
HISTORICAL SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K12-9-1 (Industrial) (continued)											
UB-SB-3	UBB030002	0-2	8/9/1996	ND(0.72)	ND(1.5)	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	8.4	8.4
	UBB030204	2-4	8/9/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	2.3	2.3
	UBB030406	4-6	8/9/1996	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.077)
	UBB030608	6-8	8/9/1996	ND(0.40)	ND(0.82)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.82)
	UBB030810	8-10	8/9/1996	ND(0.038)	ND(0.078)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.078)
	UBB031012	10-12	8/9/1996	ND(0.039)	ND(0.078)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.078)
UB-SB-4	UBB040002	0-2	8/9/1996	ND(0.035)	ND(0.071)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	1.5	1.5
UB-SB-7	UBB070002	0-2	12/16/1997	ND(0.71)	ND(1.4)	ND(0.71)	ND(0.71)	ND(0.71)	ND(0.71)	6.0 P	6.0
	UBB070.502	0.5-2	12/16/1997	NR	NR	NR	NR	NR	NR	NR	0.026
	UBB070204	2-4	12/16/1997	ND(0.039)	ND(0.080)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.033 P	0.033
	UBB070406	4-6	12/16/1997	ND(0.19)	ND(0.38)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.9	1.9
	UBB070608	6-8	12/16/1997	ND(0.18)	ND(0.38)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	4.0	4.0
	UBB070810	8-10	12/16/1997	ND(0.21)	ND(0.42)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	6.0	6.0
	UBB071214	12-14	12/16/1997	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	3.4	3.4
UB-SB-8	UBB080002	0-2	12/16/1997	ND(0.18)	ND(0.36)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	1.4	1.4
	UBB080204	2-4	12/16/1997	ND(0.036)	ND(0.072)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.15	0.15
	UBB080406	4-6	12/16/1997	ND(0.037)	ND(0.074)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	2.2	2.2
	UBB080608	6-8	12/16/1997	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	6.1	6.1
	UBB080810	8-10	12/16/1997	ND(0.039) [ND(0.039)]	ND(0.079) [ND(0.080)]	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	ND(10) [ND(10)]	ND(10) [ND(10)]
	UBB081012	10-12	12/16/1997	ND(0.042)	ND(0.086)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	20	20
UB-SB-9	UBB090002	0-2	12/16/1997	ND(0.18)	ND(0.36)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	1.0	1.0
	UBB090204	2-4	12/16/1997	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.25 P	0.25
	UBB090406	4-6	12/16/1997	ND(0.038)	ND(0.076)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	4.7 P	4.7
	UBB090608	6-8	12/16/1997	ND(0.044)	ND(0.089)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.28 P	0.28
	UBB090810	8-10	12/16/1997	ND(0.38)	ND(0.78)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	0.28 P	0.28
	UBB091012	10-12	12/16/1997	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.13 P	0.13
UB-SB-10	UBB100002	0-2	8/9/1996	ND(0.037)	ND(0.074)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.020 JP	0.020 J
	UBB100204	2-4	8/9/1996	ND(0.18)	ND(0.36)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.36)
	UBB100406	4-6	8/9/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.033 P	0.033
	UBB100608	6-8	8/9/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.063 P	0.063
	UBB100810	8-10	8/9/1996	ND(0.046)	ND(0.094)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.094)
	UBB101012	10-12	8/9/1996	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.075)
	UBB101214	12-14	8/9/1996	ND(0.038)	ND(0.078)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.078)
UB-SB-12	UBB12000.5	0-0.5	12/16/1997	NR	NR	NR	NR	NR	NR	NR	0.2
	UBB120002	0-2	7/30/1996	ND(0.035)	ND(0.070)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.85	0.85
	UBB120204	2-4	7/30/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.074)
	UBB120406	4-6	7/30/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.074)
	UBB120608	6-8	7/30/1996	ND(0.039)	ND(0.079)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.079)
	UBB121012	10-12	7/30/1996	ND(0.041)	ND(0.082)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.082)
UB-SB-14	UBB1400.5	0-0.5	8/7/1996	ND(0.35)	ND(0.72)	ND(0.35)	3.1	ND(0.35)	ND(0.35)	1.3	4.4
	UBB140.502	0.5-2	12/16/1997	NR	NR	NR	NR	NR	NR	NR	0.20
	UBB140204	2-4	8/7/1996	ND(0.36)	ND(0.73)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	0.96 P	0.96
	UBB140406	4-6	8/7/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.19	0.19
	UBB141214	12-14	8/7/1996	ND(0.042)	ND(0.084)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.065	0.065
UB-SB-15	UBB150204	2-4	8/9/1996	ND(0.034)	ND(0.070)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.025 P	0.025
	UBB150406	4-6	8/9/1996	ND(0.18)	ND(0.37)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.37)
	UBB150608	6-8	8/9/1996	ND(0.23)	ND(0.47)	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	5.7 P	5.7
	UBB150810	8-10	8/9/1996	ND(0.38)	ND(0.77)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	0.35 JP	0.35 J
	UBB151012	10-12	8/9/1996	ND(0.048) [ND(0.036)]	ND(0.097) [ND(0.074)]	ND(0.048) [ND(0.036)]	ND(0.048) [ND(0.036)]	ND(0.048) [ND(0.036)]	ND(0.048) [ND(0.036)]	ND(0.048) [ND(0.036)]	ND(0.097) [ND(0.074)]

TABLE C-3
HISTORICAL SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K12-9-1 (Industrial) (continued)											
UB-SB-16	UBB1600.5	0-0.5	8/5/1996	ND(0.039)	ND(0.079)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.16	0.16
	UBB160.502	0.5-2	12/16/1997	NR	NR	NR	NR	NR	NR	NR	2.4
	UBB160204	2-4	8/5/1996	ND(0.18)	ND(0.37)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	8.4	8.4
	UBB160406	4-6	8/5/1996	ND(0.36)	ND(0.74)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	31	31
	UBB160608	6-8	8/5/1996	ND(0.78)	ND(1.6)	ND(0.78)	ND(0.78)	ND(0.78)	ND(0.78)	15	15
	UBB160810	8-10	8/5/1996	ND(1.2)	ND(2.5)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	29	29
UB-SB-17	UBB1700.5	0-0.5	8/5/1996	ND(0.24)	ND(0.50)	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	3.8	3.8
	UBB170.502	0.5-2	12/16/1997	NR	NR	NR	NR	NR	NR	NR	5.7
	UBB170204	2-4	8/5/1996	ND(0.36)	ND(0.74)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	61	61
	UBB170608	6-8	8/5/1996	ND(0.54)	ND(1.1)	ND(0.54)	ND(0.54)	ND(0.54)	ND(0.54)	4.9	4.9
UB-SB-18	UBB180.502	0.5-2	12/16/1997	NR	NR	NR	NR	NR	NR	NR	3.2
UB-SB-19	UBB190002	0-2	12/16/1997	NR [NR]	NR [NR]	NR [NR]	NR [NR]	NR [NR]	NR [NR]	NR [NR]	0.47 [0.36]
	UBB190204	2-4	12/16/1997	NR	NR	NR	NR	NR	NR	NR	0.55
	UBB190406	4-6	12/16/1997	NR	NR	NR	NR	NR	NR	NR	2.51
	UBB190608	6-8	12/16/1997	NR	NR	NR	NR	NR	NR	NR	2.5
	UBB191012	10-12	12/16/1997	NR	NR	NR	NR	NR	NR	NR	0.093
UB-IRA-4-L1	UB-IRA-4-L1	0-0.5	7/8/1998	ND(0.94)	ND(0.94)	ND(0.94)	ND(0.94)	ND(0.94)	ND(0.94)	13	13
UB-IRA-17-L1	UB-IRA-17-L1	0-0.5	7/7/1998	ND(0.89)	ND(0.89)	ND(0.89)	ND(0.89)	ND(0.89)	3.5 AF	1.6 AG	5.1
UB-IRA-18-L1	UB-IRA-18-L1	0-0.5	7/7/1998	ND(3.1)	ND(3.1)	ND(3.1)	ND(3.1)	ND(3.1)	11 AF	4.4 AG	15.4
UB-IRA-19-L1	UB-IRA-19-L1	0-0.5	7/7/1998	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	4.4	4.4
UB-IRA-21-L1	UB-IRA-21-L1	0-0.5	7/7/1998	ND(0.82)	ND(0.82)	ND(0.82)	ND(0.82)	ND(0.82)	1.9 AF	1.2 AG	3.1
UB-SS-5	UB-SS-5	0-0.5	12/18/1996	ND(0.050)	ND(0.10)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.12	0.12
UB-SS-7	UB-SS-7	0-0.5	12/18/1996	ND(0.044)	ND(0.090)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.54 P	0.54
UB-SS-8	UB-SS-8	0-0.5	12/18/1996	ND(0.042)	ND(0.084)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.52	0.52
UB-SS-9	UB-SS-9	0-0.5	12/18/1996	ND(0.039)	ND(0.080)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.30 P	0.30
UB-SS-10	UB-SS-10	0-0.5	12/18/1996	ND(0.22)	ND(0.44)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	4.1	4.1
UB-SS-11	UB-SS-11	0-0.5	12/18/1996	ND(0.23)	ND(0.46)	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	20	20
UB-SS-12	UB-SS-12	0-0.5	12/18/1996	ND(0.044)	ND(0.089)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.79	0.79
UB-SS-13	UB-SS-13	0-0.5	12/18/1996	ND(0.044)	ND(0.089)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	1.4	1.4
UB-MW-9	UBW090002	0-2	8/9/1996	ND(0.035)	ND(0.070)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.022 J	0.022 J
	UBW090204	2-4	8/9/1996	ND(0.034)	ND(0.070)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.070)
	UBW090406	4-6	8/9/1996	ND(0.034)	ND(0.070)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.026 J	0.026 J
	UBW090608	6-8	8/9/1996	ND(0.035)	ND(0.070)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.070)
	UBW090810	8-10	8/9/1996	ND(0.035)	ND(0.070)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.070)
	UBW091012	10-12	8/9/1996	ND(0.035)	ND(0.071)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.071)
	UBW091214	12-14	8/9/1996	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.077)
UB-MW-10	UBW100002	0-2	8/9/1996	ND(0.038)	ND(0.078)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	2.2 P	2.2
	UBW100204	2-4	8/9/1996	ND(0.035)	ND(0.070)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.16 P	0.16
	UBW100406	4-6	8/9/1996	ND(0.035)	ND(0.070)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.75	0.75
	UBW100608	6-8	8/9/1996	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.035 JP	0.035 J
	UBW100810	8-10	8/9/1996	ND(0.035)	ND(0.071)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.032 JP	0.032 J
	UBW101012	10-12	8/9/1996	ND(0.034)	ND(0.068)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.068)
	UBW101214	12-14	8/9/1996	ND(0.041)	ND(0.083)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.083)

TABLE C-3
HISTORICAL SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-2 (Industrial)											
UB-SB-11	UBB110002	0-2	7/31/1996	ND(0.34)	ND(0.70)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.70)
	UBB110204	2-4	7/31/1996	ND(0.18)	ND(0.36)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.36 P	0.36
	UBB110406	4-6	7/31/1996	ND(0.18)	ND(0.36)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.95 P	0.95
	UBB110608	6-8	7/31/1996	ND(0.039)	ND(0.080)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.91 P	0.91
	UBB110810	8-10	7/31/1996	ND(0.042)	ND(0.085)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.063 P	0.063
UB-SB-13	UBB130002	0-2	7/30/1996	ND(0.034)	ND(0.069)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.15 P	0.15
	UBB130204	2-4	7/30/1996	ND(0.035)	ND(0.072)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.072)
	UBB130406	4-6	7/30/1996	ND(0.035)	ND(0.072)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.072)
	UBB130608	6-8	7/30/1996	ND(0.82)	ND(1.7)	ND(0.82)	ND(0.82)	ND(0.82)	ND(0.82)	ND(0.82)	ND(1.7)
	UBB130810	8-10	7/30/1996	ND(0.052)	ND(0.10)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.10)
	UBB131012	10-12	7/30/1996	ND(0.044)	ND(0.089)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.089)
	UBB131214	12-14	7/30/1996	ND(0.042)	ND(0.086)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.086)
UOP3S-14	UOP3S-14	0-1	4/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.96	0.96
Parcel L12-2-2 (Non-Industrial)											
L-39	L-39	0-2	5/12/1993	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
		2-4	5/12/1993	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
		4-6	5/12/1993	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
		6-8	5/12/1993	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.0	1.0	3.0
		8-10	5/17/1993	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
		10-12	5/17/1993	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
UB-SB-20	UBB2000.5	0-0.5	12/16/1997	NR	NR	NR	NR	NR	NR	NR	11.4
	UBB200.502	0.5-2	12/16/1997	NR	NR	NR	NR	NR	NR	NR	3.95
	UBB200204	2-4	12/16/1997	NR	NR	NR	NR	NR	NR	NR	2000 [1200]
	UBB200406	4-6	12/16/1997	NR	NR	NR	NR	NR	NR	NR	83
	UBB2006.98	6.9	12/16/1997	NR	NR	NR	NR	NR	NR	NR	40
	UBB20066.9	6-6.9	12/16/1997	NR	NR	NR	NR	NR	NR	NR	209
	UBB200810	8-10	12/16/1997	NR	NR	NR	NR	NR	NR	NR	0.44
UB-SB-21	UBB2100.5	0-0.5	12/16/1997	NR	NR	NR	NR	NR	NR	NR	11.5
	UBB210.502	0.5-2	12/16/1997	NR	NR	NR	NR	NR	NR	NR	2.0
	UBB210204	2-4	12/16/1997	NR	NR	NR	NR	NR	NR	NR	5.2
	UBB210406	4-6	12/16/1997	NR	NR	NR	NR	NR	NR	NR	270
	UBB210608	6-8	12/16/1997	NR	NR	NR	NR	NR	NR	NR	0.13
UB-SB-22	UBB2200.5	0-0.5	12/16/1997	NR	NR	NR	NR	NR	NR	NR	3.8
	UBB220.5 02	0.5-2	12/16/1997	NR	NR	NR	NR	NR	NR	NR	16
	UBB220204	2-4	12/16/1997	NR	NR	NR	NR	NR	NR	NR	14
	UBB220406	4-6	12/16/1997	NR	NR	NR	NR	NR	NR	NR	44.9
	UBB220608	6-8	12/16/1997	NR	NR	NR	NR	NR	NR	NR	63
	UBB220810	8-10	12/16/1997	NR	NR	NR	NR	NR	NR	NR	13
UOP3S-10	UOP3S-10	0-1	4/10/1991	ND(0.10)	NA	ND(0.10)	ND(0.10)	ND(0.10)	2.6	3.5	6.1
UOP3S-11	UOP3S-11	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.24	0.24
UOP3S-12	UOP3S-12	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.29	0.29
UOP3S-13	UOP3S-13	0-1	4/9/1991	ND(0.50)	NA	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	1.5	1.5
UOP3S-15	UOP3S-15	0-1	4/9/1991	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	UOP3S-15(IT)	0-1	4/9/1991	ND(0.050) [ND(0.050)]	NA	ND(0.050) [ND(0.050)]	ND(0.050) [ND(0.050)]	ND(0.050) [ND(0.050)]	ND(0.050) [ND(0.050)]	0.19 [0.19]	0.19 [0.19]
		14-16	6/17/1991	ND(0.050) [ND(0.050)]	NA	ND(0.050) [ND(0.050)]	ND(0.050) [ND(0.050)]	ND(0.050) [ND(0.050)]	ND(0.050) [ND(0.050)]	ND(0.050) [ND(0.050)]	ND(0.050) [ND(0.050)]

TABLE C-3
HISTORICAL SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - WEST
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-2 (Non-Industrial) (continued)											
UOP3S-17	UOP3S-17	0-1	4/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.10)	2.9	2.9
UOP3S-18	UOP3S-18	0-1	4/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.15	0.15
UOP3S-20	UOP3S-20	0-1	12/18/1996	ND(0.024)	ND(0.024)	ND(0.024)	ND(0.024)	ND(0.024)	ND(0.024)	0.33	0.33

Notes:
1. Samples were collected and analyzed by General Electric Company subcontractors for PCBs.
2. NA - Not Analyzed - Laboratory did not report results for this analyte.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. NR - Not Reported. Total PCB data was entered from summary data tables and not the laboratory report form.
5. Field Duplicate sample results are presented in brackets.

Data Qualifiers:

AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
P - Greater than 25% difference between primary and confirmation column.
J - Indicates an estimated value less than the practical quantitation limit (PQL).
v - Indicates an elevated detection limit due to chemical interference.