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Transmitted Via Overnight Delivery

March 26, 2009

Ms. Susan Svirsky
U.S. Environmental Protection Agency
c/o Weston Solutions, Inc.
10 Lyman Street
Pittsfield, MA 01201

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

Dear Ms. Svirsky

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

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

Sincerely,

Richard Gates /EGB

Richard W. Gates
Remediation Project Manager

Enclosure
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Larry Salvatore, Massachusetts Department of Highway
Bruce Collingwood, City of Pittsfield Public Works
Scott Richards, Berkshire Community College
Kevin Boland, CSX Transportation
Property Owner – Parcel L12-1-4 and L12-1-101
Property Owner – Parcel L12-1-5
Public Information Repositories
GE Internal Repository

**cover letter only*

ARCADIS
Infrastructure, environment, buildings

General Electric Company
Pittsfield, Massachusetts

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

Volume I of III

March 2009

ARCADIS

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

Conceptual Work Plan

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Our Ref.:
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Date:
March 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.

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

- *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, 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;

- 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;

- *Conceptual Removal Design/Removal Action Work Plan for Unkamet Brook Area–West* (West Area Conceptual Work Plan) dated February 12, 2009 and currently under review by EPA; and

- December 2008 Supplemental Investigations Data Summary letter (Data Summary Letter) dated March 16, 2009.

In addition, EPA and GE agreed upon a modification to the CD to reflect the sampling approaches at Unkamet Brook proposed by GE and approved by EPA. That Fifth Modification of Consent Decree was filed with the District Court on May 25, 2007.

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.

As indicated above, GE submitted the West Area Conceptual Work Plan to EPA on February 12, 2009. GE now submits this *Conceptual Removal Design/Removal Action Work Plan for Unkamet Brook Area-Remainder* (Remainder Area Conceptual Work Plan). Based on the results of the investigations described in the reports listed above, this document summarizes the results of evaluations concerning the need for and scope of soil- and sediment-related response actions within Unkamet Brook Area-Remainder to achieve the applicable Performance Standards for 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[1]).

This Remainder Area Conceptual Work Plan presents: (1) a summary of the soil data used to evaluate Unkamet Brook Area-Remainder; (2) for those areas not subject to agreed-upon remedies, 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 previously agreed-upon or otherwise necessary, a conceptual proposal for soil-related remediation activities; (4) demonstration that each area will achieve the applicable Performance Standards under the CD and SOW, including evaluations of PCBs and Appendix IX+3 constituents in soil under post-remediation conditions (where relevant); and (5) preliminary design information for the Remedial Action and a summary and schedule for future design activities. This Remainder Area Conceptual Work Plan also contains a summary of the various natural resource restoration/enhancement (NRR/E) activities to be conducted by GE within Unkamet Brook Area-Remainder as required by the CD and SOW.

The CD and SOW also contain Performance Standards related to sediments located within Unkamet Brook. As further described below, in lieu of conducting formal evaluations related to sediments within Unkamet Brook, GE has conservatively decided to satisfy the applicable Performance Standards by conducting sediment removal activities within the entire stretch of Unkamet Brook located within Unkamet Brook Area–Remainder (with the exception of the portion of the brook located within the former interior landfill subject to re-routing). As further described here, sediment removal activities will be conducted to a depth of one foot from top-of-bank to top-of-bank along the applicable sections of Unkamet Brook. This approach was previously proposed by GE in the PDI Report and conditionally approved by EPA in a letter to GE dated February 22, 2007.

It should be noted that this Remainder Area Conceptual Work Plan evaluates the need for and scope of removal actions to achieve the soil- and sediment-related Performance Standards set forth in the CD and SOW. Groundwater at Unkamet Brook Area–Remainder is being addressed separately as part of GE's groundwater-related activities for the

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[1] In accordance with EPA's March 10, 2003 conditional approval letter related to the PDI Work Plan, some sampling for pesticides and herbicides was included in pre-design investigations within the portion of Parcel K12-9-1 located within Unkamet Brook Area–Remainder, Parcel L12-2-1, and Parcel L11-4-11 (including the relatively small portion of Parcel L11-4-12 included within the RAA). Accordingly, pesticides and herbicides have been included in the non-PCB evaluations related to these areas, as summarized herein.

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 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 Remainder Area Conceptual Work Plan relates to the Unkamet Brook Area-Remainder portion of the RAA. Unkamet Brook Area-Remainder consists of the following 10 distinct soil averaging areas within the Unkamet Brook Area, as shown on Figure 1-2:

- The eastern, GE-owned, non-industrial portion of Parcel K12-9-1 (deemed to be in recreational use) excluding the former interior landfill and the inundated [palustrine/emergent] wetland areas (Area 9F on Figure E-1 in Attachment E to the SOW);

- The northern inundated [palustrine/emergent] wetland area (0- to 1-foot depth increment only) within GE-owned Parcel K12-9-1, located generally to the east of the former interior landfill (Area 9G on Figure E-1 in Attachment E to the SOW);

- The southern inundated [palustrine/emergent] wetland area (0- to 1-foot depth increment only) within GE-owned Parcel K12-9-1, located generally to the south of the former interior landfill (Area 9H on Figure E-1 in Attachment E to the SOW);

- A portion of Parcel L12-3-1, a narrow privately owned commercial/industrial property, located immediately to the east of Parcel K12-9-1 and occupied largely by railroad tracks;

- Parcel L12-1-5, a privately owned commercial/industrial property located south of Parcel K12-9-1 adjacent to where Unkamet Brook passes beneath Merrill Road;

- Parcel L12-1-4, a privately owned commercial/industrial property located south of Parcel L12-1-5 along Merrill Road;

- A portion of Parcel L12-1-101, a privately owned commercial/industrial property located south of Parcel L12-1-4 along Merrill Road;

- A portion of Parcel K11-4-2, a narrow privately owned commercial/industrial property, located to the east of Parcels L12-1-5, L12-1-4, and L12-1-101, containing railroad tracks, and previously identified in all prior deliverables as Parcel L11-4-112;[2]

- A portion of Parcel L12-2-1, a vacant property located to the east of Parcel K11-4-2 and owned by the Commonwealth of Massachusetts – specifically, the Massachusetts Board of Regional Community Colleges for the use of Berkshire Community College; and

[2] This property was previously identified as Parcel L11-4-112 based on a Pittsfield tax assessor's map which, while not entirely clear, appeared to indicate that this property was designated as having that number. Based on a recent review, GE has learned that this property is not Parcel L11-4-112, but appears to be Parcel K11-4-2, and that it is owned by CSX Transportation, Inc. or affiliates (collectively CSX) The City of Pittsfield tax assessor's office has been unable, up to the present time, to confirm definitively that this parcel is actually designated K11-4-2. GE is pursuing this issue further. For purposes of this Remainder Area Conceptual Work Plan, this parcel is referred to and shown as Parcel K11-4-2. GE understands that the actual Parcel L11-4-112 is not located within the Unkamet Brook Area.

- A portion of Parcel L11-4-11, a vacant property owned by CSX, located in the southernmost portion of Unkamet Brook Area–Remainder. GE proposes, based on discussions with EPA, that this averaging area also include a relatively small portion of adjacent Parcel L11-4-12 (also owned by CSX) immediately to the south of Parcel L11-4-11, as shown on Figure 1-2. For the remainder of this document, references to the Parcel L11-4-11 averaging area also include this portion of adjacent Parcel L11-4-12.

In addition to the above, the SOW establishes three separate reaches of Unkamet Brook as averaging areas for the evaluation of sediments within the brook: Area 9J (north of Merrill Road); Area 9K (south of Merrill Road and north of the railroad tracks); and Area 9L (south of Merrill Road and the railroad tracks). These averaging areas are shown on Figure 1-2 and were taken from Figure E-1 in Attachment E to the SOW. As discussed throughout this report, GE has conservatively decided to satisfy the applicable Performance Standards by conducting sediment removal activities within the entire stretch of Unkamet Brook located within Unkamet Brook Area–Remainder (with the exception of the portion of the brook located within the former interior landfill subject to re-routing).

Unkamet Brook Area–Remainder also includes the former interior landfill located within Parcel K12-9-1 (Figure 1-2). Pursuant to the CD and SOW, GE is required to install an impermeable cap system over the former landfill area as the selected remedy for this area. To facilitate that installation, GE will re-route the approximate section of Unkamet Brook currently located within the former interior landfill to flow via its approximate former channel, which makes a gradual meander to the east beyond the eastern edge of the former landfill. Additional information related to the impermeable cap system and brook re-routing activities is provided later in this Remainder Area Conceptual Work Plan.

1.3 Scope and Format of Work Plan

The remainder of this document 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 and Sediment 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-Remainder to address PCBs and other Appendix IX+3 constituents in soil and sediment.

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 recreational and commercial/industrial soil averaging areas at Unkamet Brook Area-Remainder, and describes the procedures used to evaluate PCBs and other Appendix IX+3

constituents to establish compliance with the Performance Standards. It also provides a brief overview of the applicable Performance Standards for sediments within Unkamet Brook as well as NRR/E activities to be conducted.

Section 4 – PCB and Non-PCB Evaluations, presents the results of the PCB and Appendix IX+3 evaluations for each soil or sediment averaging area at Unkamet Brook Area–Remainder. This section first evaluates the soil data for both PCBs and other Appendix IX+3 constituents (including pesticides and herbicides at select averaging areas) under existing conditions at each soil averaging area (other than the areas subject to agreed-upon remedies) to determine the need for remediation to achieve the applicable Performance Standards. This section also includes an assessment of the PCB data within/adjacent to 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, this section presents evaluations to demonstrate that each averaging area, after performance of any proposed remediation, where applicable, will achieve the applicable Performance Standards for PCBs and other Appendix IX+3 constituents. In addition, this section will describe the work GE proposes to perform within the Former Interior Landfill to satisfy Performance Standards.

Section 5 – Preliminary Design Information and Future Design-Related Activities, discusses preliminary design and related information associated with the soil and sediment response actions proposed for Unkamet Brook Area-Remainder, as well as future design-related activities. This section also includes a discussion of the brook re-routing, completed flow modeling, and NRR/E activities, as well as information regarding flood storage compensation.

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

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 Remainder Area Conceptual Work Plan.

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

2.1 General

Prior to the submittal of a Conceptual 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. GE has also conducted flow monitoring within Unkamet Brook since April 2007 to support flow modeling activities (further discussed in Section 5.4 below). Data associated with flow monitoring has been (and will continue to be) summarized in the monthly CD status reports.

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 6 relate only to Unkamet Brook Area-Remainder. Similar information related to Unkamet Brook Area-West was provided in the West Area Conceptual Work Plan submitted to EPA on February 12, 2009.

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 and Sediment 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 conducted up to that time, sampling results from certain historical 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-Remainder between March 9, 2007 and December 23, 2008. Supplemental sampling activities within Unkamet Brook Area–West were performed between March 6, 2007 and August 25, 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. The results of all supplemental sampling conducted within Unkamet Brook Area-Remainder were summarized in prior submittals to EPA.

2.3 Soil and Sediment Sample Results Used in Conceptual Work Plan for Unkamet Brook Area-Remainder

The locations of all soil samples used in evaluations presented in this Remainder Area Conceptual Work Plan, including the historical, pre-design, and supplemental soil samples, are shown on Figures 2-1 and 2-2. The analytical results for all soil samples used in the PCB evaluations presented herein are included in Appendix A, while the analytical results for all samples used in the non-PCB evaluations herein are included in Appendix D. Note that the above-referenced data summaries provide the data relevant to evaluations associated with Unkamet Brook Area-Remainder. Data summaries containing the data relevant to evaluations for Unkamet Brook Area-West were provided in the Conceptual Work Plan for that portion of the RAA, which was submitted to EPA on February 12, 2009.

In addition to soil sample locations, Figures 2-1 and 2-2 show sediment sample locations. Analytical results associated with sediment sample locations are provided in Appendix B (PCB and Appendix IX+3 data). As indicated above, GE has conservatively decided to satisfy the applicable Performance Standards related to sediments within Unkamet Brook by conducting sediment removal activities within the entire stretch of Unkamet Brook located within Unkamet Brook Area-Remainder (with the exception of the portion of the brook located within the former interior landfill subject to re-routing) to a depth of 1 foot from top-of-bank to top-of-bank.

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

3.1 General

This section of the Remainder Area 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-Remainder. 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) and a summary of NRR/E activities (Section 3.4).

3.2 Summary of PCB Evaluation Procedures

This section provides a description of the PCB evaluation procedures for Unkamet Brook Area-Remainder, including: (1) a description of the applicable PCB-related soil Performance Standards; (2) a description of the applicable PCB-related sediment Performance Standards; (3) the current status regarding obtaining Grants of Environmental Restrictions and Easements (EREs) for the properties located within Unkamet Brook Area-Remainder; (4) a summary of the PCB soil evaluation procedures for each averaging area; and (5) a summary of the utility corridor PCB evaluation procedures. The PCB spatial averaging evaluations are provided in Section 4 of this document, with supporting documentation (i.e., polygon maps and averaging tables) provided in Appendix C.

3.2.1 PCB-Related Performance Standards for Soils

For Unkamet Brook Area-Remainder, 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-Remainder are summarized below.

<u>GE-Owned Non-Industrial Area</u>

For GE-owned parcels, the CD requires that GE execute and record an ERE in accordance with Section XIII of the CD. The undeveloped portion of Parcel K12-9-1, shown in orange on Figure 1-2 and generally located east of Unkamet Brook and the former interior landfill, is a GE-owned non-industrial area. This area (excluding the two inundated palustrine/emergent wetland areas located to the east and south of the former interior landfill) is subject to RD/RA evaluation as a single averaging area, referred to on Figure E-1 of Attachment E to the SOW as Unkamet Brook Area—East of Landfill/Wetland Area (Area 9F). This area is subject to the following Performance Standards:

- GE shall execute and record an ERE for the parcel in accordance with Section XIII of the CD.

- If the spatial average PCB concentration exceeds 10 ppm in the top foot or 15 ppm in the 1- to 3-foot depth interval, GE shall remove and replace soils as necessary to achieve those spatial average PCB concentrations for the intervals specified.

- If the spatial average PCB concentration in the top 15 feet of soil exceeds 100 ppm after incorporating the anticipated performance of any response actions for the 0- to 1-foot and 1- to 3-foot depth intervals, GE shall install an engineered barrier in accordance with the specifications for such barriers in Attachment G of the SOW.

- GE shall evaluate potential changes to the current flood storage capacity of the Unkamet Brook floodplain due to the performance of the response actions described above and, to the extent practical, provide flood storage compensation. To achieve such compensation, however, GE shall not be required to remove soils from the former interior landfill prior to installation of any barrier or cap.

- 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 in the 1- to 6-foot depth interval, GE shall evaluate whether additional response actions are necessary for that corridor and submit that evaluation and a proposal for such response actions to EPA, if needed. In addition, if a new subgrade utility is installed or an existing subgrade utility is repaired or replaced in the future, GE shall ensure that the spatial average PCB concentration of the backfill material does not exceed 25 ppm.

GE-Owned Inundated (Palustrine/Emergent) Wetlands

As outlined in purple on Figure 1-2, there are two separate inundated (palustrine/emergent) wetland areas located within Parcel K12-9-1. Consistent with information provided in previous documents relating to Unkamet Brook, each of these areas was considered a separate averaging area during the development of this Remainder Area Conceptual Work Plan: Unkamet Brook Area—East of Brook/Inundated Wetlands—North (excluding the former Interior Landfill) (Area 9G); and Unkamet Brook Area—East of Brook/Inundated Wetlands—South (Area 9H). For these areas, the CD and SOW establish the following Performance Standards:

- GE shall calculate the existing Exposure Point Concentrations (EPCs) for PCBs in the top foot of soil in each wetland. For each such wetland area, the EPC shall be either: (a) the spatial average PCB concentration, calculated using the protocols contained in Attachment E to the SOW, provided PCB data are available from an appropriate sampling grid, with a minimum 25-foot sample grid spacing within such wetland area; or (b) the 95% Upper Confidence Limit (UCL) on the arithmetic mean (95% UCL) of the PCB data (or the maximum PCB concentration if the 95% UCL exceeds the maximum).

- If the PCB EPC in the top foot of soil in each such wetland area exceeds 1 ppm, GE shall either remove and replace soils or provide a soil surface cover as necessary to achieve a 1 ppm EPC. The loss of any wetlands will be mitigated through the payment that GE has made pursuant to Paragraph 114.b of the CD.

- GE shall evaluate potential changes to the current flood storage capacity of the Unkamet Brook floodplain due to the performance of the response actions described above and, to the extent practical, provide flood storage compensation. To achieve such compensation, however, GE shall not be required to remove soils from the former interior landfill prior to installation of any barrier or cap.

Non-GE-Owned Commercial/Industrial Properties

As shown in green on Figure 1-2, there are five non-GE-owned commercial/industrial properties located within Unkamet Brook Area–Remainder (Parcels L12-3-1, L12-1-4, L12-1-5, L12-1-101, and K11-4-2. For these properties, GE is required to use "best efforts" (as defined in the CD) to obtain an ERE from each property owner. If an ERE cannot be obtained, GE must implement a Conditional Solution in accordance with Paragraph 34 of the CD. The applicable Performance Standards for PCB response actions vary depending on whether an ERE will be obtained or a Conditional Solution will be implemented, as described below:

- For each property where an ERE is obtained:

    - If the spatial average PCB concentration in the top foot in the unpaved portion exceeds 25 ppm, GE shall remove and replace soils as necessary to achieve that spatial average PCB concentration. In addition, if the property is over one-half acre, GE shall remove any soils containing PCB concentrations greater than 125 ppm in the top foot of the unpaved portion.

- If the spatial average PCB concentration in the top foot in the paved portion exceeds 25 ppm, GE shall remove and replace soils as necessary to achieve that spatial average concentration or enhance the existing concrete/asphalt surface in accordance with the specifications for pavement enhancement in Attachment G to the SOW.

- If the spatial average PCB concentration in the 1- to 6-foot depth interval exceeds 200 ppm (considering the paved and unpaved portions together), GE shall remove and replace soils as necessary to achieve that spatial average PCB concentration.

- If the remaining spatial average PCB concentration in the top 15 feet of soil exceeds 100 ppm (after incorporating the anticipated performance of any response actions for the 0- to 1-foot and 1- to 6-foot depth intervals), GE shall install an engineered barrier (in accordance with Attachment G to the SOW) in those areas determined to cause the exceedance of the 100 ppm spatial average concentration.

- For areas subject to pavement enhancement or engineered barriers, GE shall provide appropriate flood storage compensation in accordance with the CD and SOW.

- 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 shall evaluate whether additional response actions are necessary for that corridor and submit that evaluation and a proposal for such response actions to EPA, if needed. In addition, if a new subgrade utility is installed or an existing subgrade utility is repaired or replaced in the future, GE shall ensure that the spatial average PCB concentration of the backfill material does not exceed 25 ppm.

- For each property where an ERE is not obtained:

  - GE shall conduct response actions as necessary to meet the same Performance Standards described above for properties for which an ERE is obtained, except that GE must remove and replace soils as necessary to meet a spatial average PCB concentration of 25 ppm in both the 0- to 1-foot (considering the combined paved and unpaved areas together) and 0- to 3-foot depth intervals.

  - GE must also meet the other conditions for a Conditional Solution specified in the CD.

Non-GE-Owned Recreational Properties

As shown in pink on Figure 1-2, there are two non-GE-owned recreational properties located within Unkamet Brook Area–Remainder (Parcels L12-2-1 and L11-4-11). For these properties, the CD requires GE to use "best efforts" to obtain an ERE from each property owner. The applicable Performance Standards for PCB response actions vary depending on whether an ERE will be obtained or a Conditional Solution will be implemented, as described below:

- For an averaging area where an ERE is obtained:

  - If the spatial average PCB concentration in the top foot exceeds 10 ppm, GE shall remove and replace soils as necessary to achieve that spatial average concentration. In addition, if the property is over one-half acre, GE shall remove soils containing PCB concentrations greater than 50 ppm in the top foot of unpaved soils.

  - If the spatial average PCB concentration in the 1- to 3-foot depth interval exceeds 15 ppm, GE shall remove and replace soils as necessary to achieve that spatial average.

  - If the remaining spatial average PCB concentration in the top 15 feet of soil exceeds 100 ppm (after incorporating the anticipated performance of any response actions for the 0- to 1-foot and 1- to 3-foot depth intervals), GE shall install an engineered barrier (in accordance with Attachment G to the SOW) in those areas determined to cause the exceedance of the 100 ppm spatial average concentration. In such areas subject to engineered barriers, GE shall provide appropriate flood storage compensation in accordance with the CD and SOW.

  - Where utilities potentially subject to emergency repair requirements are present and the spatial average PCB concentration for soils in the utility corridor exceeds 200 ppm, GE shall evaluate whether additional response actions are necessary for that corridor and submit that evaluation and a proposal for such response actions to EPA, if needed. In addition, if a new subgrade utility is installed or an existing subgrade utility is repaired or replaced in the future, GE shall ensure that the spatial average PCB concentration of the backfill material does not exceed 10 ppm in the top 3 feet and 25 ppm for greater depths.

- For an averaging area where an ERE is not obtained:

  - GE shall conduct response actions as necessary to meet the same Performance Standards described above, except that GE must remove and replace soils as necessary to meet a spatial average PCB concentration of 10 ppm in both the 0- to 1-foot and 0- to 3-foot depth intervals (rather than achieving a spatial average of 15 ppm in the 1- to 3-foot depth interval).

  - GE must also meet the other conditions for a Conditional Solution specified in the CD.

Former Interior Landfill

The former interior landfill located within Parcel K12-9-1, shown in brown on Figure 1-2, is subject to the following Performance Standards:

- In the unpaved portion of the former landfill, GE shall install an engineered landfill cap in accordance with the requirements described for landfill caps in Attachment G to the SOW. GE shall then plant vegetation on the surface of the cap as provided in Attachment I to the SOW.

- In the currently paved portion of the former landfill area, GE shall install an asphalt engineered barrier in accordance with the specifications described in Attachment G to the SOW.

- GE shall re-route an approximate 600-foot section of Unkamet Brook currently located within the former interior landfill limits to flow via its approximate former channel, which makes a gradual meander to the east beyond the eastern edge of the former interior landfill.

- GE shall evaluate potential changes to the current flood storage capacity of the Unkamet Brook floodplain due the performance of the response actions described above and, to the extent practical, provide flood storage compensation. However, to achieve such compensation, GE shall not be required to remove soils from the former interior landfill prior to installation of the barrier/cap.

3.2.2 PCB-Related Performance Standards for Sediments

As described above, the portion of Unkamet Brook located within the limits of the former interior landfill is subject to re-routing. For the remainder of Unkamet Brook, Paragraph 25 of the CD and Section 2.2.2 of the SOW establish Performance Standards for sediments

that are applicable to the three separate sections identified in Section 1.2 above (shown on Figure 1-2). These are averaging areas Area 9J (north of Merrill Road); Area 9K (south of Merrill Road and north of the railroad tracks); and Area 9L (south of Merrill Road and the railroad tracks). The following Performance Standards are established in the CD and SOW for each such averaging area:

- GE shall calculate the existing EPCs for PCBs in the top foot of sediments for each of the three reaches of the brook. For each such reach, the EPC shall be either: (a) the spatial average PCB concentration, calculated using the protocols contained in Attachment E to the SOW, provided PCB data are available for transects located along each reach at an appropriate spacing, with a minimum spacing of 25 feet; or (b) the 95% UCL of the PCB data (or the maximum PCB concentration if the 95% UCL exceeds the maximum).

- If the PCB EPC in the top foot of sediments in each reach exceeds 1 ppm, GE shall remove and replace brook sediments as necessary to achieve that PCB EPC.

As indicated above, averaging calculations related to sediments were not necessary since GE has conservatively decided to satisfy the applicable Performance Standards by conducting sediment removal activities within the three areas to a depth of 1 foot from top-of-bank to top-of-bank.

3.2.3 Status of EREs

Unkamet Brook Area-Remainder consists of all or portions of nine tax parcels (including the small portion of Parcel L11-4-12 which GE proposes to include in averaging area L11-4-11). Parcel K12-9-1 is owned by GE, which will execute and record an ERE on this property. Parcel L12-2-1 is owned by the Commonwealth of Massachusetts, which has agreed in the CD (¶ 62.b) to execute an ERE – or, for properties subject to Article 97 of the State Constitution, a Notice ERE – on its properties at the Site, subject to certain conditions (which would be met here). Specifically, this property is owned by the Massachusetts Board of Regional Community Colleges for the use of Berkshire Community College. Based on review of the deed to that state entity for this parcel and GE's consultations with EPA and MDEP, it appears that this property is not currently subject to Article 97 of the State Constitution. Accordingly, GE expects that a standard ERE will be executed for this property. GE wrote to the Massachusetts Community College System and Berkshire Community College on January 27, 2009, advising them of this information and providing them with a draft ERE.

The owner of Parcel L12-1-4 has advised GE that he is willing to execute EREs for this property. The owner of L12-1-101 had advised GE that he was willing to execute an ERE for that property, but GE understands that the property has been transferred to an entity affiliated with that prior owner, and GE will verify that the affiliated entity is similarly willing to execute an ERE. Based on the prior information, GE has conducted the evaluations for purposes of this Remainder Area Conceptual Work Plan on the assumption that this property will have an ERE. The owner of Parcel L12-1-5 had previously advised GE that it does not wish to execute an ERE for that property. However, GE is planning to discuss that matter further with the owner. In this Remainder Area Conceptual Work Plan, this property has been evaluated under a Conditional Solution scenario, but if the owner should decide, after further discussion, to execute an ERE, GE will provide a revised evaluation of this property under the ERE scenario.

The owner of Parcel L11-4-11 (CSX) has advised GE it has elected not to execute an ERE for that property. As noted above, GE has only recently learned that the property designated L11-4-112 on all previous submissions is in fact Parcel K11-4-2 and is also owned by CSX. As GE was not aware that CSX was the owner of that property, GE had not asked CSX whether it wished to execute an ERE for that parcel. GE plans to discuss with CSX whether it wishes to execute an ERE for Parcel K11-4-2. However, given that CSX has declined to execute an ERE for adjacent Parcel L11-4-11, GE has assumed for purposes of this Remainder Area Conceptual Work Plan, that CSX will not execute an ERE for Parcel K11-4-2. If CSX does decide to execute an ERE, GE will submit revised evaluations for that averaging area. The small portion of Parcel L11-4-12 that is included within the RAA, since that property is located immediately adjacent to the southern border of Parcel L11-4-11, is proposed to be included within the L11-4-11 averaging area, and is owned by the same entity (CSX) which declined an ERE for Parcel L11-4-11, GE assumes that the same result applies to that small portion of Parcel L11-4-12. GE will therefore implement a Conditional Solution at that portion. Finally, GE proposes to implement a Conditional Solution at the narrow strip portion of Parcel L12-3-1 included within the RAA, which is also occupied by railroad tracks.

3.2.4 PCB Soil and Sediment Evaluation Procedures

The procedures used to evaluate PCB concentrations in soil in this Remainder Area Conceptual Work Plan were established in Attachment E to the SOW (Protocols for PCB Spatial Averaging). The PCB evaluations presented in this Remainder Area 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 soil samples used in the evaluations are shown on Figures 2-1 and 2-2. It should be noted that these figures also show sediment sampling locations not included in evaluations since GE has conservatively

decided to satisfy the applicable sediment Performance Standards by conducting sediment removal activities within the entire stretch of Unkamet Brook located within Unkamet Brook Area–Remainder (with the exception of the portion of the brook located within the former interior landfill subject to re-routing) to a depth of 1 foot from top-of-bank to top-of-bank.

As noted above, for certain averaging areas in this RAA, GE has agreed to perform remediation. These areas are Area 9J, 9K, and 9L (comprising Unkamet Brook itself other than the portion within the former interior landfill, which will be rerouted), where GE proposed to remove all sediments in the top foot of Unkamet Brook; Area 9G, the northern inundated wetland, where GE proposed to remove soils in the top foot of a portion of that wetland; and Area 9H, the southern inundated wetland, where GE proposed to remove all soils in the top foot of that wetland. For the remaining soil averaging areas, the initial task in the PCB soil evaluation process 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 not-to-exceed (NTE) levels specified above apply (i.e., commercial or non-GE-owned 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 the non-GE-owned recreational areas in this RAA. 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/structure 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 and select structures. 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-Remainder, all proposed remediation activities consist of soil removal/replacement and the installation of an engineered barrier (with the exception of the former interior landfill which includes the installation of a engineered barrier combined with a landfill cap and the phragmites areas within Parcel K12-9-1 which include soil removal without replacement), in accordance with the requirements of the CD and SOW, depending on the Performance Standard exceeded. For all soil averaging 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 C.

For Areas 9J, 9K, and 9L (Unkamet Brook other than the portion of the brook within the former interior landfill) and 9H (the southern inundated wetland), where GE has conservatively agreed to remove all sediment or soils within the top foot, no calculation of average concentrations is necessary as the soils in the top foot will consist entirely of clean backfill. For Area 9G, the northern inundated wetland, where GE plans to remove all soils within the top foot of a portion of that wetland, no calculation of existing average

concentrations is necessary. For that area, GE will calculate the post-remediation average concentration and compare that concentration to the Performance Standard.

3.2.5 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 within Unkamet Brook Area–Remainder, including those subject to future RD/RA evaluation as well as the associated evaluation depths, 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.

As indicated in the Fourth Supplement, Unkamet Brook Area–Remainder Utility Corridors #1 and #2 (located to the north and south of the former interior landfill, respectively) were evaluated from the 1- to 6-foot depth increment in accordance with provisions specified in the SOW. Remaining utility corridors subject to evaluation (Unkamet Brook Area–Remainder Utility Corridor #3 through #7) were evaluated from ground surface to the estimated maximum depth of utility bedding. In accordance with the SOW, GE is required to evaluate whether any additional response actions are necessary if the spatial average PCB concentration in any of the above utility corridors exceeds 200 ppm. The utilities subject to evaluation are shown on the polygon Figures C-33 through C-43 provided in Attachment C.

3.3 Summary of Appendix IX+3 Constituent Soil Evaluation Procedures

This section describes the procedures used to evaluate non-PCB Appendix IX+3 constituents in soil. As noted above, for certain averaging areas, GE has previously proposed soil or sediment removal. These were Areas 9J, 9K, and 9L (Unkamet Brook except for the portion within the former interior landfill), where GE proposed to remove sediments in the top foot of Unkamet Brook; Area 9G (the northern inundated wetland), where GE proposed to remove the top foot of soil in a portion of that wetland; and Area 9H (the southern inundated wetland), where GE proposed to remove all soil within the top foot. For the remaining averaging areas subject to Appendix IX+3 evaluation, as with PCBs, the other Appendix IX+3 constituents have been evaluated first for each averaging area in its existing condition. Then, for each area where the applicable Performance Standards are not met, remediation is proposed and post-remediation conditions are evaluated to ensure achievement of the Performance Standards. 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 D (evaluation tables and figures) and Appendix E (risk evaluations).

As indicated above, GE has conservatively decided to satisfy the applicable sediment Performance Standards by conducting sediment removal activities within Areas 9J, 9K, and 9L, the entire stretch of Unkamet Brook located within Unkamet Brook Area–Remainder (with the exception of the portion of the brook located within the former interior landfill subject to re-routing), to a depth of 1 foot from top-of-bank to top-of-bank. Therefore, no calculation of average concentrations for these averaging areas is necessary, as the entire top foot will be removed and replaced with clean backfill.

3.3.1 Applicable Performance Standards

The applicable Performance Standards for non-PCB Appendix IX+3 constituents in soils at Unkamet Brook Area-Remainder, 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; and for areas evaluated as recreational, 1 ppb in the top foot and 1.5 ppb in the 1- to 3-foot depth interval. 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 Remainder Area 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

Other than in averaging areas at which GE has already agreed to conduct remediation, the initial task performed in the evaluation of the non-PCB constituents in soils at Unkamet Brook Area-Remainder 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 or 95% UCL 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.

At averaging areas where these evaluations indicated the need for additional remediation to address non-PCB constituents in soil, a remediation proposal was developed. Such areas consisted of exceedances of the dioxin/furan TEQ PRGs. The additional remediation at these areas involved soil removal/replacement. For such areas, an evaluation was then conducted of post-remediation conditions. This evaluation consisted of repeating Step 2 above, as necessary, to demonstrate that the proposed remediation will achieve the applicable Performance Standards. The specific procedures used to take account of the proposed soil removal in these post-remediation evaluations are discussed further in Section 3.3.7 below.

3.3.3 Screening Evaluation Procedures

As noted above, the first step in the evaluation of non-PCB Appendix IX+3 constituents in soil at the averaging areas at Unkamet Brook Area-Remainder 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. 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 13 Appendix IX+3 constituents at four averaging areas based on low frequency of detection. These constituents are discussed below.

- At the recreational portion of Parcel K12-9-1 (excluding the inundated [palustrine/emergent] wetland areas), GE proposes to screen out five constituents, including: 1,2-diphenylhydrazine, which was detected in only 1 of 77 samples (at a concentration of 0.65 ppm); 2,3,4,6-tetrachlorophenol, which was detected in only 2 of 76 samples (at concentrations of 2,800 ppm and 15 ppm); N-nitroso-di-n-propylamine,

which was detected in only 1 of 78 samples (at a concentration of 0.39 ppm); pentachlorophenol, which was detected in only 1 of 76 samples (at a concentration of 93 ppm); and dieldrin, which was detected in 1 of 34 samples (at a concentration of 0.036 ppm) based on low frequencies of detection.

- At the commercial/industrial Parcel L12-1-101, GE proposes to screen out bis(2-chloroethyl)ether, which was detected in only 1 of 36 samples (at a concentration of 1.6 ppm) based on a low frequency of detection.

- At the recreational Parcel L12-2-1, GE proposes to screen out three constituents, including: benzidine, which was detected in only 1 of 122 samples (at a concentration of 0.43 ppm); 1,4-dioxane, which was detected in only 1 of 116 samples (at a concentration of 120 ppm); and dieldrin, which was detected in only 1 of 54 samples (at a concentration of 0.29 ppm) based on low frequencies of detection.

- At the recreational Parcel L11-4-11, GE proposes to screen out six constituents based on low frequency of detection: dieldrin, which was detected in only 1 of 62 samples (at a concentration of 0.18 ppm); endrin aldehyde, which was detected in only 1 of 62 samples (at a concentration of 0.083 ppm); endrin ketone, which was detected in only 3 of 62 samples (at a maximum concentration of 0.33 ppm); gamma-chlordane, which was detected in only 1 of 62 samples (at a concentration of 0.15 ppm); heptachlor epoxide, which was detected in only 1 of 62 samples (at a concentration of 0.07 ppm); and disulfoton, which was detected in only 1 of 65 samples (at a concentration of 6.7 ppm) based on low frequencies of detection.

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. If the 95% UCL was also greater than the

applicable PRG, removal actions were proposed to address that exceedance. If it was below that level, it was concluded that no further response actions are necessary to address dioxin/furans.

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-Remainder includes commercial and recreational areas. 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.

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-Remainder, 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-Remainder, 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-Remainder 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 Remainder Area 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 recreational areas (GE-owned Parcel K12-9-1 [excluding the wetland areas] and State-owned Parcel L12-2-1) and one commercial area (the strip of Parcel L12-3-1 within the RAA). For Parcel L12-3-1, the risk evaluation was performed for existing conditions. For Parcels K12-9-1 and L12-2-1, the risk evaluations were performed for post-remediation 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 area evaluated as commercial, the evaluations applied the Commercial Groundskeeper

scenario for the 0- to 1-foot and 0- to 3-foot depth increments and the Utility Worker scenario for the 1- to 6-foot depth increment. For the recreational averaging areas, the Child Recreational User scenario was used for the 0- to 1-foot depth increment; and since EPA did not evaluate any specific exposure scenario for the 1- to 3-foot depth increment, the same Child Recreational User scenario was also applied to that increment to be conservative.

Since EPA's PCB risk evaluation in Attachment A to Appendix D to the CD does not contain any exposure scenario or calculations for the 0- to 15-foot depth increment, there is no applicable risk evaluation scenario for that depth increment. In the evaluations of these properties at Unkamet Brook Area-Remainder, GE has evaluated that depth increment as follows: (a) at the non-GE-owned commercial/industrial Parcel L12-3-1, through application of a Construction Worker scenario, based on EPA's direction to apply that scenario at a non-GE-owned commercial property at the Silver Lake Area,[3] and (b) for the recreational areas, through application of the MCP Upper Concentration Limits (UCLs) for soil, based on the approach used by GE and approved by EPA for all other recreational areas subject to the CD at which that depth increment was evaluated.

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.

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[3] At EPA's direction, GE previously evaluated the 0- to 15-foot depth increment at a number of commercial/industrial areas at the GE Plant Area (i.e., East Street Area 2-North, East Street Area 2-South, and Hill 78 Area-Remainder) using a Utility Worker scenario. However, for the non-GE-owned commercial property at the Silver Lake Area, EPA directed GE to use a Construction Worker scenario. Given that Parcel L12-3-1 is not owned by GE, and to be conservative, GE has evaluated that parcel by application of a Construction Worker scenario.

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 with the benchmarks set forth in the SOW of 1×10^{-5} for cancer risks and a HI of 1 for non-cancer impacts.

For the averaging areas where lead was retained, which were the two recreational areas where risk evaluations were performed, a different procedure had to be used for the 0- to 1-foot and 1- to 3-foot depth increments since there are no EPA-prescribed toxicity values for lead. In accordance with EPA guidance, lead in these depth increments was evaluated under the Child Recreational User scenario through the use of a conservative model developed by EPA – namely, the Integrated Exposure Uptake Biokinetic Model (IEUBK). This model was used to back-calculate a risk-based concentration (RBC) for lead in soil for use in area-specific risk evaluations at recreational areas. This RBC is 1,313 ppm. This RBC was previously approved by EPA for use in evaluating lead exposure at recreational areas in the area-specific risk evaluations at numerous other RAAs, including Newell Street Area I, Newell Street Area II, the Lyman Street Area, Former Oxbow Areas A and C, and Former Oxbow Areas J and K, and the 1½ Mile Floodplain Non-Residential Properties.

The area-specific risk evaluations performed for Unkamet Brook Area-Remainder averaging areas are described and the results presented in Appendix E to this Remainder Area Conceptual Work Plan. The results are summarized, where applicable, in the area-specific evaluations presented in Section 4. In addition, for the two recreational areas where the MCP UCLs were applied to the 0- to 15-foot depth increment, the application of those UCLs is also discussed in Section 4.

3.3.7 Post-Remediation Evaluations

For averaging areas where the evaluations of non-PCB constituents under existing conditions indicated the need for remediation to address such constituents, such remediation has been proposed. For such averaging areas as well as (a) averaging area 9G, the northern inundated wetland, where GE has agreed to remove a portion of the top foot of soil, and (b) the recreational area of Parcel K12-9-1 (excluding the interior landfill and the inundated wetlands), where, as described below in Sections 3.4 and 4.2, GE will remove and not replace soil as part of NRR/E activities, evaluations were then conducted for non-PCB constituents under post-remediation conditions to demonstrate that the proposed remediation will achieve the Performance Standards for the non-PCB constituents. These post-remediation evaluations followed the same procedures described above for comparisons of dioxin/furan TEQs to the applicable PRGs (for areas where remediation is necessary to address such constituents), comparisons to the Method 1 soil standards, and (where necessary) area-specific risk evaluations.

The specific removal actions proposed to achieve the non-PCB Performance Standards consist of soil removal/replacement. Soil removal actions were taken into account in the post-remediation evaluations in the same general way in which they were considered for PCBs. Specifically, sample results from soil that is proposed for removal to address non-PCB constituents were eliminated from consideration, and it was assumed that such soil will be replaced with an equal volume of clean soil containing the concentrations of organic and inorganic constituents listed in Table 2 of GE's *Proposed Backfill Data Set for CD Sites* (March 11, 2003). Note that the above data set does not include values associated with pesticides and herbicides; therefore, GE is proposing to use the maximum detection limit observed within the subject averaging area as a backfill concentration under post-remediation conditions.

3.4 Summary of NRR/E Activities

Attachment I to the SOW sets forth the Performance Standards and other requirements for the NRR/E activities that must be carried out at the Unkamet Brook Area. These Performance Standards and other requirements are summarized below.

- GE shall remove the existing stand of phragmites located in an approximate 2-acre wetland area east of Unkamet Brook. Note that GE has recently conducted supplemental survey activities to further understand the limits of this area under current conditions. The results of these supplemental survey activities are shown on updated base mapping provided on Figures 2-1 and 4-1. Specifically, these figures show the revised limits of the main phragmites area located south of Dalton Avenue as well as a new area located in the vicinity of the northernmost portion of the former interior landfill. In accordance with the SOW, GE shall excavate the surface soil in these areas to approximately 1 foot below shallow groundwater, as determined during the month of May (total excavation depth of a minimum of 2 feet depending on the nature and quality of the soil), to minimize the possibility for natural re-establishment of phragmites in these areas. Following the surface topography adjustment, GE shall allow for the re-development of the wetlands community through natural succession. GE shall ensure that invasive species do not re-vegetate these areas through actions described in Section 8.0 of Technical Attachment I of the SOW. Please note that GE will conduct the above removal activities within the portion of the newly identified area that is located outside of the former interior landfill. Activities to address phragmites within the former interior landfill will be performed as part of landfill cap installation activities.

- After re-routing Unkamet Brook to its approximate original channel, GE shall plant a vegetative community along the western bank of the new channel to ensure bank stability. Since this bank is anticipated to abut the former interior landfill, GE shall plant a diverse herbaceous community so as not to interfere with the integrity of the landfill cap. Areas east of the new channel that are disturbed by activities associated with re-routing Unkamet Brook shall also be seeded with a herbaceous seed mixture.

- After installation of the landfill cap over the unpaved portion of the former interior landfill, GE shall plant on the surface of the cap, an herbaceous vegetative community that will not interfere with the integrity of the cap. In addition, GE shall place bluebird boxes along the edges of the former interior landfill area.

To achieve the foregoing Performance Standards, Attachment I to the SOW sets forth more specific requirements relating to these activities. Conceptual information related to brook re-routing and NRR/E activities is provided in Sections 5.3 and 5.5, respectively.

4. PCB and Non-PCB 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-Remainder in accordance with the evaluation procedures summarized in Section 3 of this Remainder Area Conceptual Work Plan.

In this section, the following information is presented for each of the soil averaging areas located within Unkamet Brook Area-Remainder (except as discussed below):

- 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 4-1 and 4-2);
- Evaluation of post-remediation conditions with respect to PCBs (if required); and
- Evaluation of post-remediation conditions with respect to Appendix IX+3 constituents (if required).

As discussed above, for Area 9G, the northern inundated wetland, GE has previously proposed to remove all soil from the top foot in a portion of that wetland, and, therefore, an evaluation of that area against Performance Standards is performed only against post-remediation conditions. For Area 9H, the southern inundated wetland, GE has previously proposed to remove all soil from the top foot in that wetland, and, therefore, no averaging evaluations are necessary.

Following the discussion of the above-referenced area-specific evaluations, this section presents a utility corridor evaluation summary for PCBs as well as a discussion of proposed response actions to satisfy applicable sediment-related Performance Standards. This section next discusses GE's proposed removal of sediments within Unkamet Brook itself. No averaging calculations are necessary because GE has conservatively proposed to remove all sediments within the top foot (except in the area of the former interior landfill, where the Brook will be rerouted) and replace that sediment with one foot of clean backfill.

The section also discusses steps GE proposes to take to satisfy Performance Standards with regard to the former interior landfill. Finally, this section presents an overall summary of the soil and sediment removal actions proposed for Unkamet Brook Area-Remainder, including soil and sediment removal volumes and engineered barrier/landfill cap installation areas.

In support of the evaluations presented in this section, GE has prepared backup documentation for these evaluations (when applicable). 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 C. The evaluation tables and figures developed in support of the Appendix IX+3 evaluations summarized herein are presented in Appendix D. Finally, the area-specific risk evaluations are presented in Appendix E.

4.2 Evaluations for Parcel K12-9-1 (Non-Industrial/Recreational)

As shown on Figure 1-2, the eastern portion of Parcel K12-9-1 is a GE-owned non-industrial averaging area generally bordered to the north by Dalton Avenue, to the south by Merrill Road, to the west by Unkamet Brook and the former interior landfill, and to the east by Parcel L12-3-1. Since this parcel is owned by GE, it will be subject to an ERE. As indicated above, the two inundated (palustrine/emergent) wetland areas located to the east and south of the former interior landfill are considered separate averaging areas and are not included in the Parcel K12-9-1 (non-industrial/recreational) averaging area.

For this averaging area, if the spatial average PCB concentration exceeds 10 ppm in the top foot of soil, GE must remove and replace soils as necessary to achieve that spatial average concentration. In addition, GE must remove and replace soils as necessary to achieve a PCB spatial average of 15 ppm in the 1- to 3-foot depth increment. Further, if, after incorporating any response actions anticipated to occur within the uppermost 3 feet, the spatial average PCB concentration in the 0- to 15-foot depth exceeds 100 ppm, installation of an engineered barrier is required.

In addition to the above, GE will remove the existing stands of phragmites located in the areas identified on Figure 4-1 as part of NRR/E activities (further described in Section 5.5 below). As indicated above in Section 3.4, the phragmites areas shown on base mapping provided in this Remainder Area Conceptual Work Plan has been revised based on supplemental survey activities conducted by GE. Specifically, current base mapping shows the revised limits of the main phragmites area located south of Dalton Avenue as well as a new area located in the vicinity of the northernmost portion of the former interior landfill. In accordance with the SOW, GE will excavate the surface soil in these areas to approximately 1 foot below shallow groundwater, as determined during the month of May (total excavation depth of a minimum of 2 feet depending on the nature and quality of the

soil), to minimize the possibility for natural re-establishment of phragmites in these areas. Note that GE will conduct the above removal activities within the portion of the newly identified area that is located outside of the former interior landfill. Activities to address phragmites within the former interior landfill will be performed as part of landfill cap installation activities.

The post-remediation PCB and Appendix IX+3 conditions described below for Parcel K12-9-1 are based on a two-foot removal within the phragmites areas located outside the former interior landfill and no backfilling. Accordingly, for post-remediation PCB evaluations, polygons were shifted up two feet in these areas. For example, the 2- to 3-foot polygons under the existing conditions evaluations were considered the 0- to 1-foot polygons under post-remediation conditions to account for the two-foot removal without backfilling. Similar actions were taken during the development of post-remediation Appendix IX+3 evaluations. For example, 0- to 1-foot samples located within the phragmites areas were removed from the evaluations and analytical results within the 2- to 3-foot depth increment were considered in the 0- to 1-foot evaluation.

Also, as discussed in the PDI Report, several samples previously proposed to characterize averaging area L12-3-1 were shifted slightly onto Parcel K12-9-1 during pre-design investigations due to property access issues. As such, analytical results from those samples were utilized in evaluations associated with this averaging area as well as averaging area L12-3-1 (further discussed in Section 4.5 below).

4.2.1 PCB Evaluation – Existing Conditions

The first step in the evaluation process 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 C and the applicable Performance Standards:

Depth Increment	Appendix C Table Reference	Existing Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’	C-1	3.37	10
1 – 3’	C-2	3.91	15
0 – 15’	C-3	5.65	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 satisfy the NRR/E requirements related to the phragmites areas. In addition, as discussed below in Section 4.2.3, GE has elected to conduct additional remediation in this area to remove soil at all locations at which any samples in the top foot of unpaved areas contained PCB concentrations greater than 50 ppm.

4.2.2 Appendix IX+3 Evaluation – Existing Conditions

The Appendix IX+3 data used in the evaluations for the non-industrial portion of Parcel K12-9-1 (excluding the wetland areas) are presented in Table D-1. These data are the basis for the Appendix IX+3 evaluations presented in this section. The Appendix IX+3 evaluation associated with this averaging area included analytical results associated with pesticides and herbicides in accordance with EPA's March 10, 2003 letter to GE conditionally approving the PDI Work Plan.

4.2.2.1 Screening Evaluation

Consistent with the protocols established in the SOW and summarized in Section 3.3.3 of this Remainder Area Conceptual Work Plan, the maximum concentrations of all detected constituents (other than dioxins/furans) were compared to their corresponding Screening PRGs. Table D-2 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 1,2-diphenylhydrazine, 2,3,4,6-tetrachlorophenol, N-nitroso-di-n-propylamine, pentachlorophenol, and dieldrin based on low frequency of detection. As shown in that table, the following remaining constituents have maximum detected concentrations that exceed their corresponding Screening PRGs:

- Benzene
- Chlorobenzene
- 1,4-Dichlorobenzene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Dibenzo(a,h)anthracene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Arsenic
- Copper
- Lead
- Mercury
- Sulfide
- Thallium

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 D-3 through D-5 present the evaluations of retained constituents for the 0- to 1-foot, 1- to 3-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, the average concentration of chlorobenzene is greater than the applicable Method 1 soil standard in the 1- to 3-foot and 0- to 15-foot depth increments. In view of the removal of the soil associated with the phragmites areas, and the associated shifting of depth increments as discussed above, GE has evaluated the achievement of Performance Standards for non-PCB constituents under post-remediation conditions at this property in Section 4.2.5 below.

4.2.3 Proposed Remediation

GE has elected to conduct additional remediation in this area to remove soil at all locations at which any samples in the top foot of unpaved areas contained PCB concentrations greater than 50 ppm. As a result, GE proposes to conduct soil removal/replacement activities within this averaging area to the limits shown on Figure 4-1. This remediation will involve the excavation of approximately 180 in-situ cubic yards of soil.

In addition, based on the NRR/E activities described above, GE proposes to conduct soil removal activities within the phragmites areas located outside the former interior landfill to a depth of two feet (Figure 4-1). As indicated above, backfilling within these areas will not be conducted. Removal within the phragmites areas will involve the excavation of approximately 7,980 in-situ cubic yards of soil.

4.2.4 PCB Evaluation – Post-Remediation Conditions

As discussed above, attainment of the Performance Standards requires removal of soil in the phragmites removal areas. In addition, as discussed above, GE has elected to conduct additional soil remediation in this area to remove soil at all locations at which any soil samples in the top foot of unpaved areas contained PCB concentrations greater than 50 ppm. Thus, GE is electing to remove eight additional soil sample locations (BA-1,

BW0050A, RAA10-N-N11, UB-IRA-1-L1, UB-IRA-2-L1, UB-IRA-3-L1, UB-IRA-16-L1, and UB-IRA-20-R1.

The proposed remediation shown on Figure 4-1 (including the removal activities within the phragmites area) will further reduce the PCB spatial average concentrations below the applicable Performance Standards for the relevant depth increments, as indicated in the following table:

Depth Increment	Appendix C Table Reference	Post-Remediation Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’	C-4	0.93	10
1 – 3’	C-5	4.49	15
0 – 15’	C-6	5.62	100

4.2.5 Appendix IX+3 Evaluation – Post-Remediation Conditions

As indicated above, the applicable Appendix IX+3 Performance Standards for this averaging area are satisfied under existing conditions; however, GE has also evaluated this area under post-remediation conditions to confirm these Performance Standards will continue to be satisfied following the performance of soil removal within the phragmites areas (Figure 4-1). Tables D-6 through D-8 present the post-remediation evaluations of retained constituents for the 0- to 1-foot, 1- to 3-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, the average concentration of chlorobenzene is greater than the applicable Method 1 soil standard in the 1- to 3-foot and 0- to 15-foot depth increments. In this situation, an area-specific risk evaluation has been performed for soils within this averaging area in its post-remediation condition.

That risk evaluation is included in Appendix E to this Remainder Area 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 3-foot depth increments are below the benchmarks specified in the SOW, and that the average lead concentrations are well below the applicable RBC of 1,313 ppm. For the 0- to 15-foot depth increment, the average concentrations of all non-PCB constituents are below their respective UCLs, as presented in Table D-9. These evaluations demonstrate that the applicable Performance Standards for non-PCB constituents are satisfied under post-remediation conditions at this averaging area.

4.3 Evaluations for the Northern Inundated (Palustrine/Emergent) Wetland Area (Area 9G)

The wetland area located to the east of the former interior landfill on Parcel K12-9-1 is considered a separate, GE-owned, averaging area. The CD and SOW require that GE calculate an EPC in the top foot of soil. The EPC is required to be either: (a) the spatial average PCB concentration, calculated as specified in Attachment E to the SOW, provided that PCB data are available from an appropriate sampling grid with a minimum 25-foot spacing within the wetland area; or (b) the 95% UCL of the PCB data (or the maximum PCB concentration if the 95% UCL exceeds the maximum). In accordance with the PDI Work Plan, GE calculated the EPC by spatial averaging the PCB concentrations. The applicable Performance Standards require the removal/replacement of soils or installation of a surface cover as necessary to achieve spatial average PCB concentration of 1 ppm in the top foot.

For such spatial averaging, the SOW specifies that PCB data be available on a minimum 25-foot grid. However, the PDI Work Plan indicated that such intensive sampling would not be necessary for portions of this averaging area where it was determined, based on less intensive sampling, that remediation would be required in any event. As discussed in the PDI Report, GE determined, based on preliminary evaluations using existing data, that removal of soils in a portion of the northern wetland (green-shaded area of northern wetland on Figure 2-1) would likely be required. Based on that information, GE elected to conduct removal in that area in lieu of conducting more extensive sampling. In the remaining area of the northern wetland (see yellow shaded area on Figure 2-1), GE conducted additional sampling as directed by EPA. Based on GE's election to remove/replace soils within the green-shaded portion of the northern wetland, and the fact that the entire wetland was not sampled on a 25-foot grid, GE has not conducted PCB and Appendix IX+3 evaluations for the northern wetland under existing conditions. A summary of the proposed remediation and evaluation results for PCBs and Appendix IX+3 constituents under post-remediation conditions is provided below.

4.3.1 Proposed Remediation

Based on the information provided above, GE proposes to conduct soil removal/replacement activities within this averaging area to the limits shown on Figure 4-1. This remediation will involve the excavation of approximately 3,370 in-situ cubic yards of soil. As indicated in Sections 4.3.2 and 4.3.3 below, performance of these activities will satisfy the applicable PCB and Appendix IX+3 Performance Standards.

4.3.2 PCB Evaluation – Post-Remediation Conditions

The proposed remediation shown on Figure 4-1 will result in the achievement of the applicable Performance Standards for the relevant depth increment, as indicated in the following table:

Depth Increment	Appendix C Table Reference	Post-Remediation Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’	C-7	0.60	1

4.3.3 Appendix IX+3 Evaluation – Post-Remediation Conditions

The Appendix IX+3 data used in the evaluations for the northern wetland are presented in Table D-10. These data are the basis for the Appendix IX+3 evaluations presented in this section. Since this averaging area has only been evaluated in its post-remediation condition, analytical results associated with samples within the area subject to removal were not included in the screening evaluation (Table D-11) and analytical results shown in the 0- to 1-foot evaluation table (Table D-12) were replaced with values from the backfill data set (unless otherwise indicated). Note that no values for 4,4’-DDD and 4,4’-DDE exist in the backfill data set; therefore, GE has used the maximum observed detection limit from other samples within this averaging area as representative backfill values.

4.3.3.1 Screening Evaluation

The maximum concentrations of detected constituents (other than dioxins/furans) for samples not subject to removal were compared to their Screening PRGs. Table D-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, the following remaining constituents have maximum detected concentrations that exceed their corresponding Screening PRGs:

- Benzo(a)pyrene
- 4,4'-DDD
- 4,4'-DDE
- Arsenic
- Sulfide
- Thallium

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

4.3.3.2 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. As indicated above, values from the backfill data set (or maximum observed detection limits associated with 4,4'-DDD and 4,4'-DDE) have been inserted for constituent concentrations associated with samples located within the removal area.

Table D-12 presents the evaluations of retained constituents for the 0- to 1-foot depth increment. As indicated in that table, 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. Therefore, the applicable Appendix IX+3 Performance Standards for this averaging area have been achieved.

4.4 Evaluations for Southern Inundated (Palustrine/Emergent) Wetland Area (Area 9H)

The wetland area located to the south of the former interior landfill on Parcel K12-9-1 is considered a separate, GE-owned, averaging area. The applicable Performance Standards for this averaging area are the same as those required for the northern wetland (described above in Section 4.3).

For achievement of the spatial averaging Performance Standard set forth in the SOW, the SOW specifies that PCB data be available on a minimum 25-foot grid. However, GE proposed, and EPA agreed, that such intensive sampling would not be necessary for this averaging area where it was determined, based on less intensive sampling, that remediation would be required in any event. GE concluded in the Interim PDI Report, based on the preliminary evaluation using available data, that removal or covering of all soils in the top foot within the southern wetland will be necessary to meet the applicable Performance Standard of 1 ppm.

Based on the information provided above, GE proposes to conduct soil removal/replacement activities within this entire averaging area to the limits shown on Figure 4-1. This remediation will involve the excavation of approximately 600 in-situ cubic yards of soil. Performance of these activities (i.e., soil removal/replacement to a depth of 1 foot within the entire averaging area) will satisfy the applicable PCB and Appendix IX+3 Performance Standards. As all of the soil in the top foot in this averaging area will be comprised of clean fill, no averaging calculations are necessary.

4.5 Evaluations for Parcel L12-3-1 (Commercial/Industrial)

As shown on Figure 1-2, the portion of Parcel L12-3-1 included within the RAA is a narrow strip of non-GE-owned industrial property occupied by railroad tracks. The property is bordered to the north by Dalton Avenue, to the south by Merrill Road, to the west by Parcel K12-9-1, and to the east by properties outside the Unkamet Brook Area. As discussed in Section 3.2.3, GE has proposed to implement a Conditional Solution at this property. 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 0- to 1-foot and 0- to 3-foot depth increments 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 increment 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 not exceed the 125 ppm NTE concentration for commercial/industrial properties.[§]

As discussed in the PDI Report, several samples previously proposed to characterize this averaging area were shifted slightly onto Parcel K12-9-1 during pre-design investigations due to property access issues, but GE proposed to use the analytical results from those samples in evaluations associated with this averaging area (as well as in the evaluations for Parcel K12-9-1).

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. 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 depth increments specified in Section 4.5 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 C and the applicable Performance Standards:

[§] As discussed in Section 4.9, Parcel K11-4-2 also contains railroad tracks and was evaluated using polygons set back from the railroad tracks. That procedure was not required on this parcel, as no remediation is required.

Depth Increment	Appendix C Table Reference	Existing Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’	C-8	0.19	25
0 – 3’	C-9	0.09	25
1 – 6’	C-10	0.04	200
0 – 15’	C-11	0.05	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.

4.5.2 Appendix IX+3 Evaluation – Existing Conditions

The Appendix IX+3 data used in the evaluations for Parcel L12-3-1 are presented in Table D-13. 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 Remainder Area Conceptual Work Plan, the maximum concentrations of all detected constituents (other than dioxins/furans) were compared to their corresponding Screening PRGs. Table D-14 identifies the detected constituents and provides a comparison of the maximum detected concentration of each of those constituents to the applicable Screening PRGs. As shown in that table, the following constituents have maximum detected concentrations that exceed their corresponding Screening PRGs:

- Benzo(a)pyrene
- Arsenic

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

4.5.2.2 Evaluation of Retained Constituents

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

Tables D-15 through D-18 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 benzo(a)pyrene are less than the applicable Method 1 soil standard for each applicable depth increment. However, the average concentrations of arsenic in the 0- to 1-foot and the 0- to 3-foot depth increments were above the applicable Method 1 soil standard. 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 E to this Remainder Area 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, 0- to 3-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.

4.6 Evaluations for Parcel L12-1-5 (Commercial/Industrial)

As shown on Figure 1-2, Parcel L12-1-5 is a privately-owned commercial/industrial property. It is bordered to the east by Parcel K11-4-2, to the north and west by Merrill Road, and to the south by Parcel L12-1-4. As discussed in Section 3.2.3, GE has evaluated this area under the Performance Standards applicable to properties subject to a Conditional Solution for purposes of this Remainder Area Conceptual Work Plan, but plans to conduct further discussions with the parcel owner concerning an ERE. 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 0- to 1-foot and 0- to 3-foot depth increments 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 increment 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 not exceed the 125 ppm NTE concentration for commercial/industrial properties.

4.6.1 PCB Evaluation – Existing Conditions

With respect to certain areas within this averaging area that are paved, GE agreed in the Second Supplement to treat those areas as unpaved. Those areas are shown in blue hatching on Figure 2-2. The first step in the evaluation process involved the identification of any soil samples in the top foot of unpaved areas (or areas treated as unpaved) containing PCB concentrations greater than the applicable NTE level of 125 ppm. This step resulted in the identification of the four soil sample locations (RAA10-E-T10, RAA10-E-T11, RAA10-E-

T12, and RAA10-E-X10) in the top foot of soil with polygons including 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 4.6 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 C and the applicable Performance Standards:

Depth Increment	Appendix C Table Reference	Existing Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’	C-12	66.33	25
0 – 3’	C-13	198.13	25
1 – 6’	C-14	429.47	200
0 – 15’	C-15	296.41	100

As indicated in the preceding table, the existing average PCB concentration in each depth increment exceeds the corresponding Performance Standards. In addition, as noted above, there are four 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. In addition, GE has elected to remove the soils containing PCB concentrations above 125 ppm from paved areas associated with all of the above NTE sample locations in response to Comment 5 from EPA’s June 30, 2008 letter to GE conditionally approving the Second Supplement.

4.6.2 Appendix IX+3 Evaluation – Existing Conditions

The Appendix IX+3 data used in the evaluations for the Parcel L12-1-5 are presented in Table D-19. 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 Remainder Area Conceptual Work Plan, the maximum concentrations of all detected constituents (other than dioxins/furans) were compared to their corresponding Screening

PRGs. Table D-20 identifies the detected constituents and provides a comparison of the maximum detected concentration of each of those constituents to the applicable Screening PRGs. As shown in that table, the following constituents have maximum detected concentrations that exceed their corresponding Screening PRGs:

- Benzo(a)pyrene
- Arsenic

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

4.6.2.2 Evaluation of Retained Constituents

The next component of the Appendix IX+3 evaluation involved comparison of the average concentrations of both benzo(a)pyrene and arsenic to the applicable MCP Method 1 soil standards and comparison of maximum dioxin/furan TEQ concentrations to the applicable EPA PRGs.

Tables D-21 through D-24 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 benzo(a)pyrene and arsenic are less than the applicable Method 1 soil standards 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.

4.6.3 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 3,990 in-situ cubic yards of soil and installation of approximately 0.14 acres of engineered barrier. For the 6-foot removal adjacent to the building located within the averaging area, GE has proposed to leave a wedge of soil in place angling down and away from the structure. This wedge will provide support/minimize undermining of the structure's foundation. A cross section of the proposed soil wedge is shown on Figure C-44 in Appendix C and is 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 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. Table C-20 presents calculations showing the effect of this wedge on the PCB concentrations for the applicable depth

increments. The soil wedges are shown on Figures C-19 through C-23 in Appendix C. The resulting PCB concentrations are the post-remediation average PCB concentrations shown in the table below. As indicated in the table below in Section 4.6.4, the performance of these activities will result in the achievement of the applicable PCB Performance Standards.

It should be noted that this estimated removal volume provided above does not include the approximately 190 in-situ cubic yards of additional removal proposed by GE based on the results of utility corridor-related evaluations discussed further in Section 4.12 below.

4.6.4 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 C Table Reference	Post-Remediation Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’	C-16	6.56	25
0 – 3’	C-20	11.75	25
1 – 6’	C-20	167.29	200
0 – 15’	C-20	95.07	100

4.7 Evaluations for Parcel L12-1-4 (Commercial/Industrial)

As shown on Figure 1-2, Parcel L12-1-4 is a privately-owned commercial/industrial property and is generally bordered to the north by Parcel L12-1-5, to the east by Parcel K11-4-2, to the south by Parcel L12-1-101, and to the west by Merrill Road. As discussed in Section 3.2.3, the property owner has agreed to execute an ERE on this property. As a result, the applicable Performance Standards require the following for the top foot of soil: (a) for unpaved areas, removal/replacement of soils as necessary to achieve a spatial average PCB concentration of 25 ppm; and (b) for paved areas, either soil removal/replacement as necessary to achieve that same spatial average concentration or else enhancement of the pavement in portions that exceed that spatial average concentration. In addition, if the spatial average PCB concentration in the 1- to 6-foot depth increment exceeds 200 ppm, soil removal/replacement is required to achieve that average concentration. 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 increment exceeds 100 ppm, an engineered barrier must be installed. Finally, 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 not exceed the 125 ppm NTE concentration required for commercial/industrial properties.

4.7.1 PCB Evaluation – Existing Conditions

With respect to certain areas within this averaging area that are paved, GE agreed in the Second Supplement to treat those areas as unpaved. Those areas are shown in blue hatching on Figure 2-2. The first step in the evaluation process involved the identification of any soil samples in the top foot of unpaved areas (or areas treated as unpaved) containing PCB concentrations greater than the applicable NTE level of 125 ppm. This step resulted in the identification of the one soil sample location (RAA10-E-X10) in the top foot of soil in unpaved areas that contains PCBs at a concentration 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 location.

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 4.7 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 C and the applicable Performance Standards:

Depth Increment	Appendix C Table Reference	Existing Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1' (unpaved)	C-21	20.03	25
0 – 1' (paved)	C-22	21.68	25
1 – 6'	C-23	29.84	200
0 – 15'	C-24	26.24	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 exceedance of the NTE level discussed above.

4.7.2 Appendix IX+3 Evaluation – Existing Conditions

The Appendix IX+3 data used in the evaluations for the non-commercial/industrial portion of Parcel L12-1-4 are presented in Table D-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 Remainder Area Conceptual Work Plan, the maximum concentrations of all detected constituents (other than dioxins/furans) were compared to their corresponding Screening PRGs. Table D-26 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:

- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Arsenic
- Dibenzo(a,h)anthracene

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 D-27 through D-29 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 the retained constituents are less than the applicable Method 1 soil standards 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.

4.7.3 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 4-2. This remediation will involve the excavation of approximately 1 in-situ cubic yard of soil. As indicated in Section 4.7.4, performance of these activities will result in the achievement of the applicable PCB Performance Standards under an ERE scenario.

4.7.4 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 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 C Table Reference	Post-Remediation Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1' (unpaved)	C-25	19.97	25
0 – 1' (paved)	C-22 (existing conditions)	21.68	25
1 – 6'	C-23 (existing conditions)	29.84	200
0 – 15'	C-26	26.24	100

4.8 Evaluations for Parcel L12-1-101 (Commercial/Industrial)

As shown on Figure 1-2, the portion of Parcel L12-1-101 within the Site is a privately-owned commercial/industrial area and is generally bordered to the north by Parcel L12-1-4, to the south by areas outside the Unkamet Brook Area, to the east by Parcel K11-4-2, and to the west by Merrill Road. As discussed in Section 3.2.3, the property owner has agreed to execute an ERE on this property. As a result, the applicable Performance Standards require the following for the top foot of soil: (a) for unpaved areas, removal/replacement of soils as necessary to achieve a spatial average PCB concentration of 25 ppm; and (b) for paved areas, either soil removal/replacement as necessary to achieve that same spatial average concentration or else enhancement of the pavement in portions that exceed that spatial average concentration. In addition, if the spatial average PCB concentration in the 1- to 6-foot depth increment exceeds 200 ppm, soil removal/replacement is required to achieve that average concentration. 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 increment exceeds 100 ppm, an engineered barrier must be installed. Finally, 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 not exceed the 125 ppm NTE concentration required for commercial/industrial properties.

4.8.1 PCB Evaluation – Existing Conditions

With respect to certain areas within this averaging area that are paved, GE agreed in the Second Supplement to treat those areas as unpaved. Those areas are shown in blue hatching on Figure 2-2. The first step in the evaluation process involved the identification of any soil samples in the top foot of unpaved areas (or areas treated as unpaved) containing PCB concentrations greater than the applicable NTE level of 125 ppm. This step resulted in the identification of the two soil sample locations (RAA10-E-II8 and RAA10-E-HH11) 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 4.8 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 C and the applicable Performance Standards:

Depth Increment	Appendix C Table Reference	Existing Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1' (unpaved)	C-27	10.17	25
0 – 1' (paved)	C-28	14.44	25
1 – 6'	C-29	9.39	200
0 – 15'	C-30	7.82	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. In addition, GE has elected to remove the soils containing PCB concentrations above 125 ppm from paved areas associated with the above sample locations in response to Comment 5 from EPA's June 30, 2008 letter to GE conditionally approving the Second Supplement.

4.8.2 Appendix IX+3 Evaluation – Existing Conditions

The Appendix IX+3 data used in the evaluations for the commercial/industrial Parcel L12-1-101 are presented in Table D-30. These data are the basis for the Appendix IX+3 evaluations presented in this section.

4.8.2.1 Screening Evaluation

Consistent with the protocols established in the SOW and summarized in Section 3.3.3 of this Remainder Area Conceptual Work Plan, the maximum concentrations of all detected constituents (other than dioxins/furans) were compared to their corresponding Screening PRGs. Table D-31 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 bis(2-chloroethyl)ether at this averaging area based on low frequency of detection. As shown in that table, the following constituents remain after the screening step:

- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Dibenzo(a,h)anthracene
- Arsenic
- Sulfide

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

4.8.2.2 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 D-32 through D-34 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 the retained constituents are less than the applicable Method 1 soil standards 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.

4.8.3 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 4-2. This remediation will involve the excavation of approximately 100 in-situ cubic yards of soil. As indicated in Section 4.8.4, performance of these activities will result in the achievement of the applicable PCB Performance Standards under an ERE scenario.

4.8.4 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 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 C Table Reference	Post-Remediation Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1' (unpaved)	C-31	7.64	25
0 – 1' (paved)	C-32	5.77	25
1 – 6'	C-29 (existing conditions)	9.39	200
0 – 15'	C-33	7.65	100

4.9 Evaluations for Parcel K11-4-2 (Commercial/Industrial)

As shown on Figure 1-2, the portion of Parcel K11-4-2 within the Site is a long, narrow industrial area owned by CSX and occupied by railroad tracks. It is generally bordered to the north by Merrill Road, to the east by Parcels L12-2-1 and L11-4-11, to the south by areas outside the Unkamet Brook Area, and to the west by Parcels L12-1-101, L12-1-4, and L12-1-5. As noted in Sections 1.2 and 3.2.3, this property was referred to in all previous deliverables as Parcel L11-4-112. For purposes of this Remainder Area Conceptual Work Plan, 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 0- to 1-foot foot and 0- to 3-foot depth increments 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 increment 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 not exceed the 125 ppm NTE concentration for commercial/industrial properties.

In GE's PDI Work Plan, GE proposed to exclude this parcel from the RAA because it contained railroad tracks. Referring to other areas of railroad tracks in the Plant Area, GE noted that "GE and EPA have agreed that the areas associated with the active railway tracks would not be included in the RAAs due to potential access difficulties, safety concerns during investigative activities, and the likelihood that detected constituents would relate primarily to railroad activities." In Condition 1 of the EPA's letter dated March 10, 2003 conditionally approving the PDI Work Plan, EPA rejected the proposal to exclude that property entirely from the RAA, but stated that GE could omit sampling within the ballast of active rail lines. In the Revised PDI Work Plan, GE proposed sampling on this parcel, but stated that "the ballast of the active rail lines within that parcel will not be included in the pre-design investigations. For purposes of estimating proposed sampling locations within this parcel, GE assumed that the ballast extends to ten feet on either side of the rail lines . . . ." EPA approved that proposal on the further condition that GE field verify with EPA personnel the actual locations of the active rail line (to the edge of ballast) relative to the grid locations and relocate samples as needed to allow sample collection adjacent to the edge of the ballast.

For the same reason that EPA agreed to exclude the area of the ballast from pre-design sampling, as well as to avoid impairing the structural integrity of the active railroad lines and endangering the safety of remedial construction personnel, GE proposes to exclude from its RD/RA evaluations any soils within 10 feet from the centerline of the railroad tracks. It is on this basis that GE has performed its evaluations for this parcel.

4.9.1 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 four soil sample locations (RAA10-E-HH11 , RAA10-E-S14, RAA10-E-T14, and RAA10-E-U14) 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 (outside the above-mentioned strip extending to 10 feet on each side of the centerline of the railroad tracks).

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 4.9 above (again excluding the above-mentioned strip along the rail lines). The following table presents the existing average PCB concentrations that were calculated for this area, together with references to the corresponding tables in Appendix C and the applicable Performance Standards:

Depth Increment	Appendix C Table Reference	Existing Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’	C-34	71.11	25
0 – 3’	C-35	105.06	25
1 – 6’	C-36	174.86	200
0 – 15’	C-37	101.99	100

As indicated in the preceding table, the existing average PCB concentrations in the 0- to 1-foot and 0- to 3-foot depth increments exceed the corresponding Performance Standards. In addition, several soil sample locations containing PCBs at concentrations in excess of the NTE level in the top foot of soil in unpaved areas were identified. As a result, remediation activities are necessary for this averaging area to achieve the PCB Performance Standards.

4.9.2 Appendix IX+3 Evaluation – Existing Conditions

The Appendix IX+3 data used in the evaluations for the commercial/industrial Parcel K11-4-2 are presented in Table D-35. These data are the basis for the Appendix IX+3 evaluations presented in this section.

4.9.2.1 Screening Evaluation

Consistent with the protocols established in the SOW and summarized in Section 3.3.3 of this Remainder Area Conceptual Work Plan, the maximum concentrations of all detected constituents (other than dioxins/furans) were compared to their corresponding Screening PRGs. Table D-36 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:

- 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.

4.9.2.2 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 D-37 through D-40 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 retained constituents are less than the applicable Method 1 soil standards 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.

4.9.3 Proposed Remediation

Based on the results of the PCB evaluations described above, and subject to further evaluation of constructability considerations and receipt of access permission from CSX for the performance of remediation on this parcel in proximity to active rail lines, GE proposes to conduct soil removal/replacement activities within this averaging area to the limits shown on Figure 4-2. This remediation will involve the excavation of approximately 1,270 in-situ cubic yards of soil. As indicated in Section 4.9.4, performance of these activities will result in the achievement of the applicable PCB Performance Standards under a Conditional Solution scenario.

4.9.4 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 C Table Reference	Post-Remediation Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’	C-38	10.59	25
0 – 3’	C-39	18.39	25
1 – 6’	C-40	135.08	200
0 – 15’	C-41	84.76	100

4.10 Evaluations for Parcel L12-2-1 (Recreational)

As shown on Figure 1-2, the portion of Parcel L12-2-1 within the Site is a non-GE-owned recreational area and is generally bordered to the north by portions of Parcel L12-2-2, to the east by the portion of this parcel located outside the Unkamet Brook Area, to the south by Parcel L11-4-11, and to the west by Parcel K11-4-2. This averaging area is owned by the Commonwealth of Massachusetts and 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 10 ppm in the top foot and 15 ppm in the 1- to 3-foot depth increment. Further, if, after incorporating any response actions anticipated to occur within the uppermost 3 feet, the spatial average PCB concentration in the 0- to 15-foot depth increment 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 unpaved areas at this averaging area must not exceed the 50 ppm NTE concentration for recreational properties.

4.10.1 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 the 13 soil sample locations (RAA10-E-LL15, RAA10-E-LL16, RAA10-E-MM15, RAA10-E-S14, RAA10-E-T14, RAA10-E-U14, UE0700, UE0750, UE0850, UE1000, UE1150, UE1205, and UW1205) 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 4.10 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 C and the applicable Performance Standards:

Depth Increment	Appendix C Table Reference	Existing Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’	C-42	6.37	10
1 – 3’	C-43	17.44	15
0 – 15’	C-44	4.41	100

As indicated in the preceding table, the existing average PCB concentration in the 1- to 3-foot depth increment exceeds the corresponding Performance Standard. In addition, several soil sample locations containing PCBs at concentrations in excess of the NTE level in the top foot of soil in unpaved areas were identified. As a result, remediation activities are necessary for this averaging area to achieve the PCB Performance Standards.

4.10.2 Appendix IX+3 Evaluation – Existing Conditions

The Appendix IX+3 data used in the evaluations for Parcel L12-2-1 are presented in Table D-41. These data are the basis for the Appendix IX+3 evaluations presented in this section. The Appendix IX+3 evaluations associated with this averaging area included analytical results associated with pesticides and herbicides in accordance with EPA’s March 10, 2003 letter to GE conditionally approving the PDI Work Plan.

4.10.2.1 Screening Evaluation

Consistent with the protocols established in the SOW and summarized in Section 3.3.3 of this Remainder Area Conceptual Work Plan, the maximum concentrations of all detected constituents (other than dioxins/furans) were compared to their corresponding Screening PRGs. Table D-42 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 1,4-dioxane, benzidine, and dieldrin at this averaging area based on low frequency of detection. As shown in that table, the following constituents remain after the screening step:

- Benzene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Dibenzo(a,h)anthracene
- Hexachlorobenzene
- Indeno(1,2,3-cd)pyrene
- Arsenic
- Chromium
- Lead
- Thallium

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

4.10.2.2 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 D-43 through D-45 present the evaluations of retained constituents for the 0- to 1-foot, 1- to 3-foot, and 0- to 15-foot depth increments, respectively. As indicated in those tables, all dioxin/furan TEQ concentrations are below the applicable PRG with the exception the concentration associated with 0- to 1-foot sample collected at location UFP2-R1. Therefore, GE will conduct soil removal/replacement activities at this location to satisfy the applicable TEQ Performance Standard

In addition, the average concentration of chromium is greater than the applicable Method 1 soil standard for the 0- to 1-foot depth increment. In response to the chromium exceedance, an area-specific risk evaluation has been performed for soils within this averaging area in its post-remediation condition (i.e., following the soil removal/replacement activities described above in the vicinity of sample location UFP2-R1). The results of that risk evaluation are described below in Section 4.10.5.

4.10.3 Proposed Remediation

Based on the results of the PCB and Appendix IX+3 evaluations described above, GE proposes to conduct soil removal/replacement activities within this averaging area to the limits shown on Figure 4-2. This remediation will involve the excavation of approximately 590 in-situ cubic yards of soil. As indicated in Sections 4.10.4 and 4.10.5, performance of these activities will result in the achievement of the applicable PCB and Appendix IX+3 Performance Standards under an ERE scenario.

4.10.4 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 C Table Reference	Post-Remediation Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’	C-45	1.10	10
1 – 3’	C-46	14.07	15
0 – 15’	C-47	3.61	100

4.10.5 Appendix IX+3 Evaluation – Post-Remediation Conditions

As shown on Figure 4-2, the proposed remediation will include a one foot removal in the vicinity of sample location UFP2-R1 to address elevated levels of dioxin/furan TEQs. Table D-46 presents the post-remediation evaluation of non-PCB constituents in the 0- to 1-foot depth increment. As shown in that table, post-remediation conditions in the 0- to 1-foot depth increment will achieve the applicable dioxin/furan PRG and Method 1 soil standards with the exception of the average chromium concentration exceeding the applicable standard. In this situation, an area-specific post-removal risk evaluation has been performed for this area.

The risk evaluation for this averaging area is included in Appendix E to this Remainder Area Conceptual Work Plan and indicates that, under post-remediation conditions, cancer risks and non-cancer hazards due to the retained constituents in the 0- to 1-foot and 1- to 3-foot depth increments at this averaging area do not exceed the benchmarks specified in the SOW, and that the average lead concentrations are well below the applicable RBC of 1,313

ppm. For the 0- to 15-foot depth increment, the average concentrations of all non-PCB constituents are below their respective UCLs, as presented in Table D-47. Thus, the remediation proposed for Parcel L12-2-1 will achieve the applicable Performance Standards for non-PCB constituents at this area.

4.11 Evaluations for Parcel L11-4-11 (Recreational)

As shown on Figure 1-2, the portion of Parcel L11-4-11 within the Site is a privately-owned area considered to be in recreational use and is bordered to the north by Parcel L12-2-1, to the east by the Housatonic River and a portion of this parcel located outside the Unkamet Brook Area, and to the west and south by properties located outside the Unkamet Brook Area. As previously discussed, based on discussions with EPA, GE is proposing that this averaging area also include a relatively small portion of Parcel L11-4-12 located south of Parcel L11-4-11. As discussed in Section 3.2.3, 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 0- to 1-foot and the 0- to 3-foot depth increments. 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 unpaved areas at this averaging area must not exceed the 50 ppm NTE concentration for non-commercial/industrial properties.

4.11.1 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 30 soil sample locations (RAA10-E-AAA27, RAA10-E-AAABBB27, RAA10-E-BBB27, RAA10-E-CCC27, RAA10-E-CCCDDD27, RAA10-E-LL13, RAA10-E-LL14, RAA10-E-LL15, RAA10-E-MM14, RAA10-E-MM15, RAA10-E-NN14, RAA10-E-NN15, RAA10-E-OO16, RAA10-E-OO17, RAA10-E-OO18, RAA10-E-OO19, RAA10-E-ZZ27, UE0700, UE0750, UE0850, UE1000, UE1205, UFP1-R1, UFP2-L2, UFP2-L3, UW0750, UW0800, UW0950, UW1050, and UW1100) in the top foot of soil in unpaved areas that contain PCBs at concentrations in excess of the NTE level. In addition, the soil sample in the top foot at location UW0650 has a PCB concentration of 50 ppm. Although this concentration is not in excess of the NTE, GE has elected to remove the soil from this location. 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 4.11 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 C and the applicable Performance Standards:

Depth Increment	Appendix C Table Reference	Existing Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’	C-48	53.62	10
0 – 3’	C-49	48.45	10
0 – 15’	C-50	10.23	100

As indicated in the preceding table, the existing average PCB concentrations in the 0- to 1-foot and 0- to 3-foot depth increments exceed the corresponding Performance Standards. In addition, several soil sample locations containing PCBs at concentrations in excess of the NTE level in the top foot of soil in unpaved areas were identified. As a result, removal/remediation activities are necessary for this averaging area to achieve the PCB Performance Standards.

4.11.2 Appendix IX+3 Evaluation – Existing Conditions

The Appendix IX+3 data used in the evaluations for Parcel L11-4-11 are presented in Table D-48. These data are the basis for the Appendix IX+3 evaluations presented in this section. The Appendix IX+3 evaluations associated with this averaging area include analytical results associated with pesticides and herbicides in accordance with EPA’s March 10, 2003 letter to GE conditionally approving the PDI Work Plan.

4.11.2.1 Screening Evaluation

Consistent with the protocols established in the SOW and summarized in Section 3.3.3 of this Remainder Area Conceptual Work Plan, the maximum concentrations of all detected constituents (other than dioxins/furans) were compared to their corresponding Screening PRGs. Table D-49 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 dieldrin, endrin aldehyde, endrin ketone, gamma-chlordane, heptachlor epoxide, and disulfoton at this averaging area based on low frequency of detection. As shown in Table D-49, the following constituents remain after the screening step:

- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Chrysene
- Dibenzo(a,h)anthracene
- Indeno(1,2,3-cd)pyrene
- Arsenic
- Lead
- Sulfide
- Thallium

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

4.11.2.2 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 D-50 through D-52 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, all dioxin/furan TEQ concentrations are below the applicable PRG with the exception of the concentration associated with 0- to 1-foot sample collected at location RAA10-E-LL14. Therefore, GE will conduct soil removal/replacement activities at this one location to satisfy the applicable Performance Standard.

The average concentrations of the retained constituents (i.e., non-dioxin/furan-related constituents retained for further evaluation) are less than the applicable Method 1 soil standards for each applicable depth increment.

4.11.3 Proposed Remediation

Based on the results of the PCB and Appendix IX+3 evaluations described above, GE proposes to conduct soil removal/replacement activities within this averaging area to the limits shown on Figure 4-2, including the additional area at which GE has elected to remove soil from the top foot although not in excess of the NTE level. This remediation will involve the excavation of approximately 2,720 in-situ cubic yards of soil. As indicated in Sections 4.11.4 and 4.11.5, performance of these activities will result in the achievement of the

applicable PCB and Appendix IX+3 Performance Standards under a Conditional Solution scenario.

4.11.4 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 C Table Reference	Post-Remediation Average PCB Concentration (ppm)	Performance Standard (ppm)
0 – 1’	C-51	2.56	10
0 – 3’	C-52	3.37	10
0 – 15’	C-53	1.31	100

4.11.5 Appendix IX+3 Evaluation – Post-Remediation Conditions

As shown on Figure 4-2, the proposed remediation will include a one foot removal in the vicinity of sample location RAA10-E-LL14 to address elevated levels of dioxin/furan TEQs. Tables D-53 and D-54 present the post-remediation evaluation of non-PCB constituents in the 0- to 1-foot and 0- to 3-foot depth increments. As shown in those tables, post-remediation conditions in the 0- to 1-foot and 0- to 3-foot depth increments will achieve the applicable dioxin/furan PRG and Method 1 soil standards. Note that the applicable dioxin/furan PRG and Method 1 soils standards were satisfied for the 0- to 15-foot depth increment under existing conditions (see Table D-52). Based on the above, the remediation proposed for Parcel L11-4-11 will achieve the applicable Performance Standards for non-PCB constituents at this area.

4.12 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 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, GE

identified seven utility corridors within Unkamet Brook Area-Remainder that required further evaluation. These corridors and associated evaluation depths were previously provided to EPA in the Fourth Supplement and conditionally approved in a letter from EPA to GE dated December 30, 2008. Accordingly, this Remainder Area Conceptual Work Plan contains utility corridor evaluations relating to the following utility corridors:

- Unkamet Brook Area–Remainder Utility Corridor #1: This corridor contains the portion of the sanitary sewer line located north of the former interior landfill.

- Unkamet Brook Area–Remainder Utility Corridor #2: This corridor contains the portion of the sanitary sewer line located south of the former interior landfill.

- Unkamet Brook Area–Remainder Utility Corridor #3: This corridor contains the storm drain entering the northern portion of Parcel L12-1-5.

- Unkamet Brook Area–Remainder Utility Corridor #4: This corridor contains the gas line entering Parcel L12-1-5 to the south of the building.

- Unkamet Brook Area–Remainder Utility Corridor #5: This corridor contains the storm drain located along the northwestern portions of Parcels L12-1-101, L12-1-4, and L12-1-5.

- Unkamet Brook Area–Remainder Utility Corridor #6: This corridor contains the portion of storm drain running north-south from Merrill Road along Parcel K11-4-2. Since this corridor is located on Parcel K11-4-2, and for reasons provided in Section 4.9 above, GE proposes to exclude from its RD/RA evaluation associated with this corridor any soils within 10 feet of the centerline of the railroad tracks.

- Unkamet Brook Area–Remainder Utility Corridor #7: This corridor contains the portion of storm drain originating at the southern end of Utility Corridor #6 and extending southeast towards the Housatonic River.

Each of the above utility corridors is shown on the polygon Figures C-33 through C-43 provided in Appendix C. As described in the Second Supplement, the remaining utility corridors within Unkamet Brook Area-Remainder 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 the above-listed utility corridors were performed in accordance with the evaluation procedures specified in Section 3.2.4 and are presented in Appendix C. The following table presents the existing average PCB concentrations that were calculated for each utility corridor, including references to the corresponding table in Appendix C:

Utility Corridor	Appendix C Table Reference	Existing Average PCB Concentration (ppm)
Unkamet Brook Area–Remainder Utility Corridor #1	C-54	97.42
Unkamet Brook Area–Remainder Utility Corridor #2	C-55	37.66
Unkamet Brook Area–Remainder Utility Corridor #3	C-56	847.84
Unkamet Brook Area–Remainder Utility Corridor #4	C-58	570.08
Unkamet Brook Area–Remainder Utility Corridor #5	C-60	56.19
Unkamet Brook Area–Remainder Utility Corridor #6	C-62	79.40
Unkamet Brook Area–Remainder Utility Corridor #7	C-64	4.75

As indicated in the above table, the existing spatial average PCB concentration for Unkamet Brook Area-Remainder Utility Corridors #1, #2, #5, #6, and #7 are below the 200 ppm comparison level; therefore, no additional evaluations are required for these areas. Since the existing spatial average PCB concentration is above the 200 ppm comparison level in Unkamet Brook Area-Remainder Utility Corridors #3 and #4, GE has evaluated the need for additional response actions in these areas. The results of this evaluation are presented below.

As shown on Figure C-34 provided in Appendix C, Unkamet Brook Area-Remainder Utility Corridors #3 and #4 are both located within Parcel L12-1-5. Based on the results of the PCB and Appendix IX+3 evaluations summarized in Section 4.6, GE is proposing to remove approximately 3,990 in-situ cubic yards from Parcel L12-1-5 to satisfy the applicable Performance Standards for the entire averaging area. Accordingly, the first step in the

evaluation of Unkamet Brook Area-Remainder Utility Corridors #3 and #4 under post-remediation conditions was to incorporate the proposed removal associated with Parcel L12-1-5 within the utility corridor. After incorporating this removal, the spatial average in Unkamet Brook Area-Remainder Utility Corridor #4 was reduced to 28.77 (well below the 200 ppm comparison level). However, the spatial average in Unkamet Brook Area-Remainder Utility Corridor #3 remained above the comparison level. In response to this, GE has elected to remove an additional approximately 190 in-situ cubic yards of soils in the vicinity of RAA10-E-R12 to a depth of 6 feet as shown on Figure 4-2.

The following table presents the existing or post-remediation average PCB concentrations (as appropriate) that were calculated for each utility corridor, including references to the corresponding table in Appendix C. Note that for all of the utility corridors, with the exception of Unkamet Brook Area-Remainder Utility Corridors #1 and #2, existing spatial averaging evaluations have been modified to account for the removals shown on Figure 4-2. As shown on Figure 4-1, no removal is anticipated within the utility-related evaluation depth increment (i.e., the 1- to 6-foot depth increment) at Unkamet Brook Area-Remainder Utility Corridors #1 and #2.

Utility Corridor	Appendix C Table Reference	Post-Remediation Average PCB Concentration (ppm)
Unkamet Brook Area–Remainder Utility Corridor #1	C-54 (existing condition)	97.42
Unkamet Brook Area–Remainder Utility Corridor #2	C-55 (existing condition)	37.66
Unkamet Brook Area–Remainder Utility Corridor #3	C-57	3.02
Unkamet Brook Area–Remainder Utility Corridor #4	C-59	28.77
Unkamet Brook Area–Remainder Utility Corridor #5	C-61	18.36
Unkamet Brook Area–Remainder Utility Corridor #6	C-63	43.59
Unkamet Brook Area–Remainder Utility Corridor #7	C-65	2.80

As indicated above, the post-remediation PCB spatial average associated with each of the utility corridors is below the 200 ppm comparison level.

4.13 Unkamet Brook Sediments

As indicated above in Section 1.2, the SOW establishes three separate reaches of Unkamet Brook as averaging areas for the evaluation of sediments within the brook: Area 9J (north of Merrill Road); Area 9K (south of Merrill Road and north of the railroad tracks); and Area 9L (south of Merrill Road and the railroad tracks). These averaging areas are shown on Figure 1-2. The following Performance Standards are established in the CD and SOW for each such averaging area:

- GE shall calculate the existing EPCs for PCBs in the top foot of sediments for each of the three reaches of the brook. For each such reach, the EPC shall be either: (a) the spatial average PCB concentration, calculated using the protocols contained in Attachment E to the SOW, provided PCB data are available for transects located along each reach at an appropriate spacing, with a minimum spacing of 25 feet; or (b) the 95% UCL of the PCB data (or the maximum PCB concentration if the 95% UCL exceeds the maximum).

- If the PCB EPC in the top foot of sediments in each reach exceeds 1 ppm, GE shall remove and replace brook sediments as necessary to achieve that PCB EPC.

As discussed throughout this Remainder Area Conceptual Work Plan, GE has conservatively decided to satisfy the applicable Performance Standards by conducting sediment removal activities to a depth of 1 foot from top-of-bank to top-of-bank within the entire stretch of Unkamet Brook located within Unkamet Brook Area–Remainder (with the exception of the portion of the brook located within the former interior landfill subject to re-routing), and replacing the removed sediment with one foot of clean backfill. As a result, calculation of average concentrations associated with the brook sediments are not necessary to determine that each of these averaging areas will satisfy the Performance Standards, as the top foot will be comprised of clean backfill.

Based on the removals shown on Figures 4-1 and 4-2, GE is proposing to remove approximately 1,400 in-situ cubic yards of sediments and to replace those sediments with clean backfill. This removal volume is based on the brook limits shown on existing base mapping. Prior to the development of the Final RD/RA Work Plan associated with Unkamet Brook Area–Remainder, GE will participate in discussions with EPA to determine the finalized horizontal extent of removal (i.e., determine the top-of-bank to top-of-bank limits) throughout the portion of the brook subject to removal. Once the horizontal extent of

removal is agreed upon, this estimated sediment removal volume will be revised accordingly for inclusion in the Final RD/RA Work Plan.

4.14 Former Interior Landfill

In addition to the areas identified above, Unkamet Brook Area–Remainder includes the former interior landfill located within Parcel K12-9-1 (Figure 1-2). In accordance with the CD and SOW, the Performance Standards for this averaging area require GE to install an impermeable cap system over the former landfill area. To facilitate the above installation activities, GE will re-route the approximate section of Unkamet Brook currently located within the former interior landfill to flow via its approximate former channel which makes a gradual meander to the east beyond the eastern edge of the former landfill. Additional information related to the impermeable cap system and brook re-routing activities is provided in Section 5 below.

4.15 Overall Summary

Based on the information provided above, and subject to property access and constructability considerations, the soil and sediment removal and engineered barrier/landfill cap installation activities to be conducted within Unkamet Brook Area-Remainder are summarized on Figures 4-1 and 4-2. The following table presents the estimated in-situ soil and sediment removal volume and engineered barrier/landfill cap installation area calculated for each averaging area:

Area	Estimated In-Situ Soil/Sediment Removal Volume (cy)	Estimated Engineered Barrier/Landfill Cap Area (acres)
Parcel K12-9-1 (Non-Industrial)	8,160 (soil)	0
northern wetland	3,370 (soil)	0
southern wetland	600 (soil)	0
Parcel L12-3-1	0	0
Parcel L12-1-5	4,180 (soil)	0.14
Parcel L12-1-4	1 (soil)	0
L12-1-101	100 (soil)	0

Area	Estimated In-Situ Soil/Sediment Removal Volume (cy)	Estimated Engineered Barrier/Landfill Cap Area (acres)
K11-4-2	1,270 (soil)	0
L12-2-1	590 (soil)	0
L11-4-11	2,720 (soil)	0
Unkamet Brook – Sediments	1,400 (sediment)**	0
Former Interior Landfill	0	6.81
Estimated Total:	**22,390**	**6.95**

Notes:

**Estimated removal volume associated with sediments may be subject to modification based on future discussions with EPA (see Section 4.13 above).

As indicated in the above table, the remediation for Unkamet Brook Area-Remainder will involve the excavation of a total of approximately 22,390 in-situ cubic yards of soil and sediment and installation of approximately 6.95 acres of engineered barrier.

5. Preliminary Design Information and Future Design-Related Activities

5.1 General

Based on the information provided in Section 4 of this Remainder Area Conceptual Work Plan, the removal actions identified for soils and sediments at Unkamet Brook Area-Remainder will consist of soil removal without replacement (phragmites areas), soil removal/replacement, sediment removal/replacement, and installation of an engineered barrier/landfill cap, as depicted on Figures 4-1 and 4-2. Accordingly, this section presents the following information:

- preliminary design information for the proposed remediation;
- information associated with the re-routing of Unkamet Brook;
- a summary of the various flow modeling activities conducted to support the re-routing efforts;
- a summary of the NRR/E activities to be performed;
- a discussion related to flood storage assessment;
- Applicable or Relevant and Appropriate Requirements (ARARs) for the remediation and associated actions within this area;
- future design-related activities; and
- anticipated contents of the Final RD/RA Work Plan.

5.2 Preliminary Design Information

In general, the removal action activities for soils and sediments at Unkamet Brook Area-Remainder 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 and sediments at Unkamet Brook Area-Remainder, with appropriate modifications and/or supplements as necessary.

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

Engineered barrier installation activities will comply with the general requirements for such barriers as 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. Conceptual-cross sections showing the anticipated components of the engineered barrier and landfill cap are shown on Figure 5-1. 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-Remainder.

Regarding groundwater at this RAA, Figure 5-2 shows the groundwater monitoring wells and surface water staff gauges present at Unkamet Brook Area-Remainder. As shown on that figure, none of the GMA 3 or GMA 4 wells is located within the areas where soil/sediment removal or installation of an engineered barrier/landfill cap is proposed, with the exception of monitoring well 16B-R located within Parcel L12-1-5 and monitoring well cluster 79 located within the former interior landfill. Figure 5-2 also shows that several surface water staff gauges are located within/adjacent to sediment removal areas. During the final design process, GE will determine the need to retain wells 16B-R and monitoring well cluster 79 for long-term groundwater monitoring, as well as the need to re-install the surface water staff gauges. GE will develop plans for proper abandonment in the event that the wells are no longer needed.

5.3 Brook Re-routing Activities

In accordance with the CD and SOW, GE will re-route an approximate 600-foot section of Unkamet Brook currently located within the former interior landfill limits (as conceptually depicted on Figure 5-3) to flow via its former channel, which makes a gradual meander to the east beyond the eastern edge of the former landfill. Re-routing activities will be conducted to facilitate response actions for the former interior landfill. Figure 5-3 presents two conceptual alternatives currently being evaluated by GE in regard to potential brook re-routing options. Other options may be developed by GE during the design process. The results of the flow modeling activities discussed in Section 5.4 below, as well as other site-

related information, will be used during the development of the Final RD/RA Work Plan to determine the location of the re-routed brook.

In addition to the above, GE is also considering re-routing the portion of Unkamet Brook that currently passes beneath a railroad embankment located approximately 260 feet to the south of the former interior landfill. As shown on Figure 4-1, this portion of Unkamet Brook currently flows through a culvert structure located beneath a rail road spur on GE-owned Parcel K12-9-1. GE has no anticipated future use for this spur. Debris accumulation and beaver dam construction activities have historically limited/reduced flow through the culvert. GE is therefore considering removing this portion of the railroad spur, conducting excavation activities, and removing the culvert to facilitate the channelization of Unkamet Brook in this area. These activities are anticipated to reduce the potential for future flow restrictions within the brook, as well as minimum future monitoring and maintenance activities. A City sanitary sewer line is part of the culvert structure and GE will therefore need to coordinate with the City in the removal of the culvert crossing. Additional details related to the above activities will be provided in the Final RD/RA Work Plan.

5.4 Unkamet Brook Flow Modeling

In its September 7, 2005 letter to GE conditionally approving the PDI Report, EPA requested that GE submit a modeling proposal for the characterization and modeling of the Unkamet Brook watershed. Accordingly, GE submitted the Modeling Proposal to EPA on May 17, 2007. The overall approach presented herein was conducted in accordance with the Modeling Proposal and included the use of a hydrologic model of the watershed to predict brook flows under high flow events. These flows will later be used in conjunction with a hydraulic model in the design of the channel of the re-routed brook to evaluate the potential impacts of brook re-routing activities on water surface elevations upstream of the relocated portion of the brook. A detailed description of the development of these models is included in Appendix F, and a summary is provided below.

The HSPF hydrologic model of the Housatonic River watershed between its headwaters and Great Barrington, Massachusetts developed by EPA was used as the hydrologic component of the Unkamet Brook model. The use of the Housatonic River watershed model was determined to be appropriate since that model included the Unkamet Brook watershed and had already been developed, calibrated, and validated by EPA as part of the Rest-of-River modeling framework. As further described below, the calibration of the Unkamet Brook sub-basin in the Housatonic River watershed model was first evaluated in two ways, during the development of the Unkamet Brook model:

1. Model-predicted flows were directly compared to a limited number of point measurements collected in Unkamet Brook during the modeled period (i.e., measurements collected in 1998-1999 by EPA and by GE in 2002-2003). Figure F-2 provided in Appendix F show hourly flows predicted by the model compared to the measurements. This figure demonstrates that despite the majority of the data being collected during periods of lower flow, there is very good agreement between the data and the model predictions.

2. Statistical comparisons were made between model-predicted flows (from the 1979-2004 modeled period) and the high frequency monitoring data collected from Unkamet Brook during 2007-2008. Figures F-5 through F-7 provided in Appendix F contain various comparisons between the Housatonic River watershed model predictions and the 2007-2008 monitoring data collected by GE in the brook. Overall, these figures show that model-predicted flows compare well to the 2007-2008 data.

Based on the above, GE believes the Housatonic River watershed model developed by EPA is a reasonable tool that can be used to evaluate flow statistics in developing design flow(s) for the design of the re-routed brook.

The hydraulic model for Unkamet Brook was developed using the U.S. Army Corps of Engineers HEC-RAS package. As shown on Figure F-8 provided in Attachment F, the computational domain for the Unkamet Brook hydraulic model extends from a point located approximately 500 ft upstream of Dalton Avenue to the mouth of Unkamet Brook, where it enters the Housatonic River. Figure F-8 also shows the location of 44 transects used in the HEC-RAS model. A cross section was generated at each transect location based on topographic data provided in site base mapping, as well as supplemental brook survey information obtained in July and August 2008. Information associated with five culverts located within the model domain was also included in the HEC-RAS model, including culvert dimensions and depth of sediment.

Calibration of the Unkamet Brook hydraulic model was performed to simulate the low flow water surface profile observed during the July and August 2008 supplemental survey activities. As part of those activities, edge-of-water elevations were noted (corresponding to both sides of the stream channel) at each transect. Flows observed in the brook during the July and August 2008 supplemental survey activities were generally low and remained relatively constant. Review of the Unkamet Brook hydrograph indicated that flows in the brook were approximately 2 cubic feet per second (cfs) during the survey of the downstream-most transects (i.e., transects 1 - 30) and were on the order of 5 cfs during the survey of the upstream-most transects (i.e., transects 31 - 44). Based on this review, the model was run at both flow rates and compared to the measured edge-of-water elevations (shown on Figure F-14 provided in Attachment F). While the information shown on Figure

F-14 indicates variability in the edge-of-water measurements, the model reasonably captures the water surface elevations under these low flow conditions, and in particular (and more importantly) the overall change in elevation across the system.

To assess the model calibration under higher flow conditions, the water surface elevations measured during 2007-2008 at the two Unkamet Brook gauging stations were compared to model-predicted water surface elevations at these locations under a range of higher flows (ranging from 10 to 50 cfs). This comparison is shown on Figure F-15 provided in Appendix F. In general, the model adequately simulates water surface elevations in the brook at higher flows. Additional refinements may be made to the hydraulic model calibration based on the results of sensitivity testing, and any new high flow data collected in Unkamet Brook as it becomes available.

As indicated herein, the results of the modeling activities will be used by GE during upcoming design activities associated with brook re-routing. The results of design activities will be provided in the Final RD/RA Work Plan for Unkamet Brook Area–Remainder. Additional information associated with the modeling activities described above is provided in Appendix F.

5.5 NRR/E Activities

As indicated above in Section 3.4, the CD and SOW require GE to implement a number of NRR/E activities at the Unkamet Brook Area in accordance with the Performance Standards and other requirements set forth in the CD and SOW. Accordingly, GE will implement the following NRR/E measures within the Unkamet Brook Area in accordance with the applicable Performance Standards and requirements set out in Attachment I to the SOW:

- As indicated in Section 4.2 above, GE will remove the existing stands of phragmites located in the areas identified on Figure 4-2. GE will excavate the surface soil in these areas to approximately 1 foot below shallow groundwater, as determined during the month of May (total excavation depth of a minimum of 2 feet depending on the nature and quality of the soil), to minimize the possibility for natural re-establishment of phragmites in these areas. GE will not subsequently backfill these removal areas. Please note that these removal activities will only occur within the portion of the phragmites areas located outside of the former interior landfill. Phragmites within the former interior landfill will be addressed as part of landfill cap installation activities. For the purposes of this Remainder Area Conceptual Work Plan, GE has assumed a removal depth of two feet within the phragmites areas that are part of the K12-9-1 averaging area.

- After re-routing Unkamet Brook to its approximate original channel, GE will stabilize the western banks of the restored channel through the placement of straw matting/fabric on the lower portions of the slope, and will plant a vegetative community on those banks to ensure bank stability. Specifically, along the western side of the re-routed brook channel, GE will plant a native herbaceous community that will not interfere with the integrity of the landfill cap. The herbaceous community specified in the SOW is a mixture of warm-season grasses and wildflower species such as big bluestem, little bluestem, Indian grass, wild blue lupine, Canada wild-rye, Canada goldenrod, common milkweed, beard tongue, grass-leaved goldenrod, blue vervain, butterfly, milkweed, New England aster, showy tick-trefoil, roundhead bush clover, and wild bergamont. To ensure soil stability and prevent erosion, the SOW provides for a nurse crop of annual rye-grass to be added (to a maximum percentage of 10%) to the seed mixture. It also provides that herbaceous plants will be seeded at a rate of 25 pounds per acre. Based on observations at the Lyman Street Area and Newell Street Area II, however, GE wishes to discuss with EPA alternative seed mixtures and application rates and may provide revised information in the Final Work Plan for Unkamet Brook Area-Remainder.

- Areas east of Unkamet Brook, if disturbed during re-routing activities, will be seeded to establish a herbaceous community using the seed mix and application rate described above, subject to further discussions with EPA.

- In addition to the above, GE will take steps to prevent invasive species from colonizing those work areas affected by the re-routing of the brook.

- After installation of the landfill cap over the unpaved portion of the former interior landfill area, GE will plant vegetation on the surface of the cap. In order to maintain the integrity of the barrier, such plantings will utilize herbaceous species. The plantings of herbaceous species on the former interior landfill cap will allow for the development of a structurally diverse native grassland that will provide habitat and feeding areas for a variety of small mammals, song birds, and insects. According to the SOW, the plantings are to consist of warm-season grasses and wildflower species such as big bluestem, little bluestem, indian grass, wild blue lupine, Canada wild-rye, Canada goldenrod, common milkweed, beard tongue, grass-leaved goldenrod, blue vervain, butterfly milkweed, New England aster, showy tick-trefoil, roundhead bush clover, and wild bergamont. The SOW also provides that, to ensure soil stability and prevent erosion, a nurse crop of annual rye-grass will be added to the seed mixture, and that the seed mixture will be seeded at a rate of 25 pounds per acre. Once again, GE proposes to discuss with EPA the use of different seed mixtures and application rates and will specify any changes resulting from those discussions in the Final Work Plan.

- In addition to the above, GE will place bluebird boxes along the edge of the former interior landfill area, with a minimum distance of 300 yards between boxes.

Section 7.0 of Attachment I to the SOW also provides general specifications that will be followed for all plantings to be conducted as part of NRR/E activities at the Unkamet Brook Area. Finally, Section 8.0 of Attachment I to the SOW requires GE to monitor, inspect, and maintain the plantings in accordance with the Performance Standards and other requirements specified therein. Further details regarding the procedures for the planting and other NRR/E activities, as well as a plan for future monitoring, inspection, and maintenance of those measures, will be provided in the Final RD/RA Work Plan for Unkamet Brook Area–Remainder.

5.6 Flood Storage Assessment

Portions of certain averaging areas within Unkamet Brook Area-Remainder are located within the 100-year floodplain of the Housatonic River or Unkamet Brook. As part of the design activities, GE will consider the net effect that the remediation and associated activities for Unkamet Brook Area-Remainder, in conjunction with those for Unkamet Brook Area-West, will have on the existing flood storage capacity of these floodplains. With the exception of removal to be conducted within the phragmites area, soil and sediment removal/replacement activities are anticipated to 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. As indicated above, removal within the phragmites areas is anticipated to extend to a depth of two feet below existing grade with no backfilling, thus having a positive impact on flood storage.

With respect to the installation of the engineered barrier/landfill cap, the SOW requires GE to evaluate potential changes to the current flood storage capacity of the Unkamet Brook floodplain resulting from that activity together with the re-routing of Unkamet Brook and the required remediation for the Unkamet Brook sediments, the two inundated wetlands, and the undeveloped GE-owned area east of the former landfill (SOW, p. 30). It then states: “GE shall, to the extent practicable, provide Flood Storage Compensation in the same general area. However, to achieve such compensation, GE shall not be required to remove soils from the interior landfill prior to installation of the barrier/cap, because EPA has determined that such removal is not practicable” (SOW, p. 30). The SOW also notes that “[t]he shallow surface excavation conducted to accomplish the surface topography modification [within the phragmites areas] will also provide flood storage compensation for any loss of flood storage capacity resulting from the capping of the former interior landfill area. (SOW Attachment I, p. 8). Consistent with these provisions, GE currently expects that, for any loss in flood storage capacity resulting from the installation of the landfill

barrier/cap, GE will provide flood storage compensation, "to the extent practicable through gains in flood storage capacity resulting from re-routing a portion of Unkamet Brook around the former interior landfill area and conducting the above-referenced removal activities within the phragmites areas. In forthcoming Final RD/RA Work Plans for the West and Remainder Areas, following completion of design activities, GE will provide additional information related to flood storage capacity.

5.7 Identification of ARARs

The remediation and associated activities to be conducted at Unkamet Brook Area-Remainder 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-Remainder includes soil removal without replacement (phragmites areas), soil and sediment removal/replacement and installation of an engineered barrier/landfill cap. As shown on Figures 4-1 and 4-2 certain of these activities will be conducted within the 100-year floodplain of the Housatonic River or within Unkamet Brook. In these circumstances, the Unkamet Brook Area-Remainder 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"), subsection D (Re-Routing of Unkamet Brook and Capping Former Unkamet Brook Landfill), subsection E (Sediment Removal from Unkamet Brook and Sediment and Bank Soil Removal at Silver Lake [including dewatering prior to disposition in consolidation area]), subsection F (Capping/Restoration of Inundated Wetlands near Unkamet Brook and Capping of Silver Lake Sediments), subsection G (Natural Resource Restoration/Enhancement Activities), and potentially subsection K ("Other"); and the location-specific ARARs identified in Table 3, subsection A (Rivers, Streams, and Lakes) and subsection B ("Floodplains, Wetlands, and Banks"). Further, excavation activities at Unkamet Brook Area-Remainder 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 RD/RA Work Plan for Unkamet Brook Area-Remainder.

5.8 Utility Abandonment/Relocation

Condition No. 3 of EPA's November 4, 2008 letter to GE conditionally approving the Third Supplement required GE to propose procedures for abandoning, relocating, or leaving in-place any utilities that are located within or beneath the former interior landfill, except that GE is required either to re-route or to place above the engineered barrier the sanitary sewer line that is located within the former interior landfill.

As indicated on Figures 2-1 and 4-1, the only utilities currently known to exist beneath the former interior landfill are irrigation and electrical lines, as well as a sanitary sewer line (described further below). GE anticipates decommissioning both the irrigation and electrical lines prior to installing the engineered barrier, since the existing vegetated "islands" (and associated irrigation system and light posts) are anticipated to be removed during the construction activities.

Figure 5-4 shows the two options currently being evaluated by GE in regard to re-locating the sanitary sewer line within the former interior landfill. Option A shown on Figure 5-4 re-locates the sewer line above the geosynthetic materials associated with the landfill cap within the existing brook channel while Option B re-locates the sewer line to the east (i.e., outside) of the former interior landfill.

Additional information related to the utility abandonment/re-location activities will be provided in the Final RD/RA Work Plan for Unkamet Brook Area–Remainder.

5.9 Future Design-Related Activities

This Remainder Area Conceptual Work Plan has preliminarily identified areas and depths subject to remediation within Unkamet Brook Area-Remainder. 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 and sediment removal/replacement, as well as construction of the engineered barrier/landfill cap. 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.

5.9.1 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-Remainder. As indicated by review of the removal limits shown on Figures 4-1 and 4-2, the maximum depth of the planned excavation is approximately 6 feet below grade. Therefore, in certain areas the stability of the excavation will require additional engineering controls (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/landfill cap limits may be adjusted to address constructability issues.

In addition to the above, GE will participate in discussions with EPA to determine the finalized horizontal extent of removal (i.e., determine the top-of-bank to top-of-bank limits) throughout the portion of the brook subject to removal/replacement prior to the development of the Final RD/RA Work Plan associated with Unkamet Brook Area–Remainder. Once the horizontal extent of removal is agreed upon, this information will be included in the Final RD/RA Work Plan.

5.9.2 Technical Plans and Specifications

For the construction-related removal actions (i.e., soil and sediment removal/replacement and engineered barrier/landfill cap 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.

5.9.3 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 RD/RA 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;
- Bypass pumping information associated with the re-location of the sanitary sewer line currently located within the former interior landfill;
- 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);
- Detailed technical plans for the implementation of the NRR/E measures described in Section 5.5;
- Information regarding the restoration of other disturbed areas, including other wetland areas subject to soil removal;
- 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 5.10.

5.10 Contents of Final RD/RA Work Plan

As discussed in Section 6, following EPA approval of this Remainder Area Conceptual Work Plan, GE will submit a Final RD/RA Work Plan for Unkamet Brook Area-Remainder 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 and sediment removals and engineered barrier/landfill cap, as well as conversion of the removal depths to elevations (where applicable);
- Detailed design of the soil and sediment removal/replacement activities and installation of the engineered barrier/landfill cap;

- Detailed design information related to re-routing activities associated with the portion of Unkamet Brook located within the former interior landfill;
- Detailed design information associated with the re-location of the sanitary sewer line currently located within the former interior landfill, as well as information related to the decommissioning/relocation of the irrigation and electric lines currently located within the former interior landfill;
- Specific calculations regarding the impact of the 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 5.9.3;
- Description, as necessary, of the procedures to be implemented to ensure attainment of the ARARs (identified in Section 5.7);
- 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, for the NRR/E measures, a Restoration Project Monitoring and Maintenance Plan; and
- Summary of project closeout requirements.

6. Schedule

GE proposes to complete the remaining design-related activities related to Unkamet Brook Area-Remainder and submit the Final RD/RA Work Plan for that area within 10 months of EPA approval of this Remainder Area Conceptual Work Plan.

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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

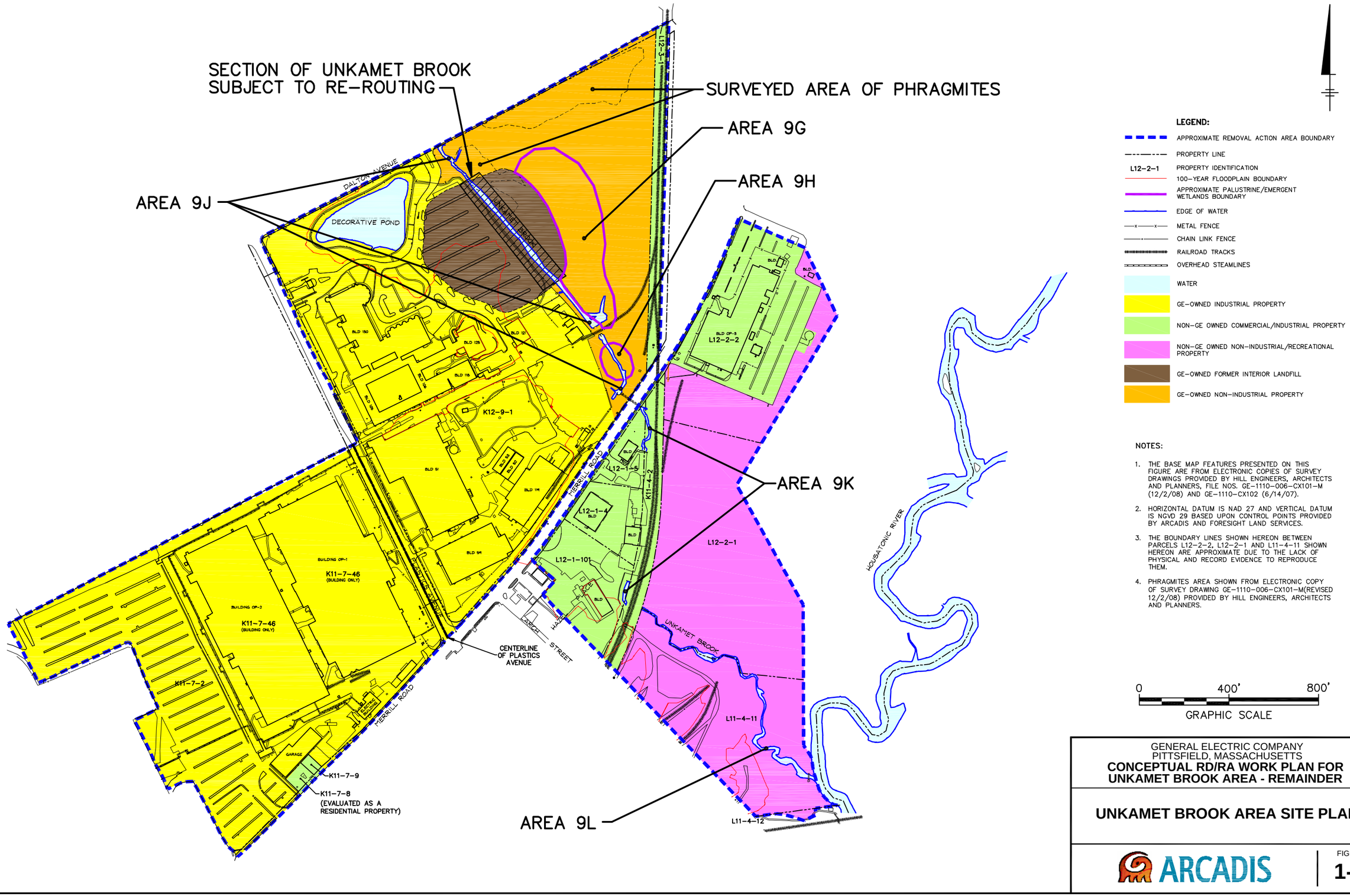
CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - REMAINDER

REMOVAL ACTION AREA

ARCADIS

FIGURE
1-1

CITY: SYRACUSE, NY DIV/GROUP: ENV/141 DB: DMW KLS DMW LD: DMW PM:A.CORBIN TM:T.LEEMHUIS LYR:(Off)ON=*;OFF=*REF*
G:\GE\ENVCAD\SYRACUSE\ACTIVE\00401900\000029\DWG\RDRA\REMAINDER\401900G01.DWG LAYOUT: 1-1 SAVED: 3/25/2009 8:48 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/25/2009 8:58 AM BY: WODARCZYK, DAVID
XREFS: IMAGES: PROJECTNAME: ----



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-1110-006-CX101-M (12/2/08) 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 FROM ELECTRONIC COPY OF SURVEY DRAWING GE-1110-006-CX101-M(REVISED 12/2/08) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.

0 400' 800'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

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

UNKAMET BROOK AREA SITE PLAN

ARCADIS

FIGURE
1-2

CITY:SYRACUSE, NY DIV/GROUP:ENV/141 DB: DMW DMW KEW PM:A.CORBIN TM:T.LEEMHUIS LYR: ON=*;OFF=*REF*
G:\GE\ENV\CAD\SYRACUSE\ACTIVE\B0040190\0000000029\DWG\RDRA\REMAINDER\40190G02.DWG LAYOUT: 1-2 SAVED: 3/25/2009 8:49 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/25/2009 8:57 AM BY: WODARCZYK, DAVID
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40190X12
40190X11

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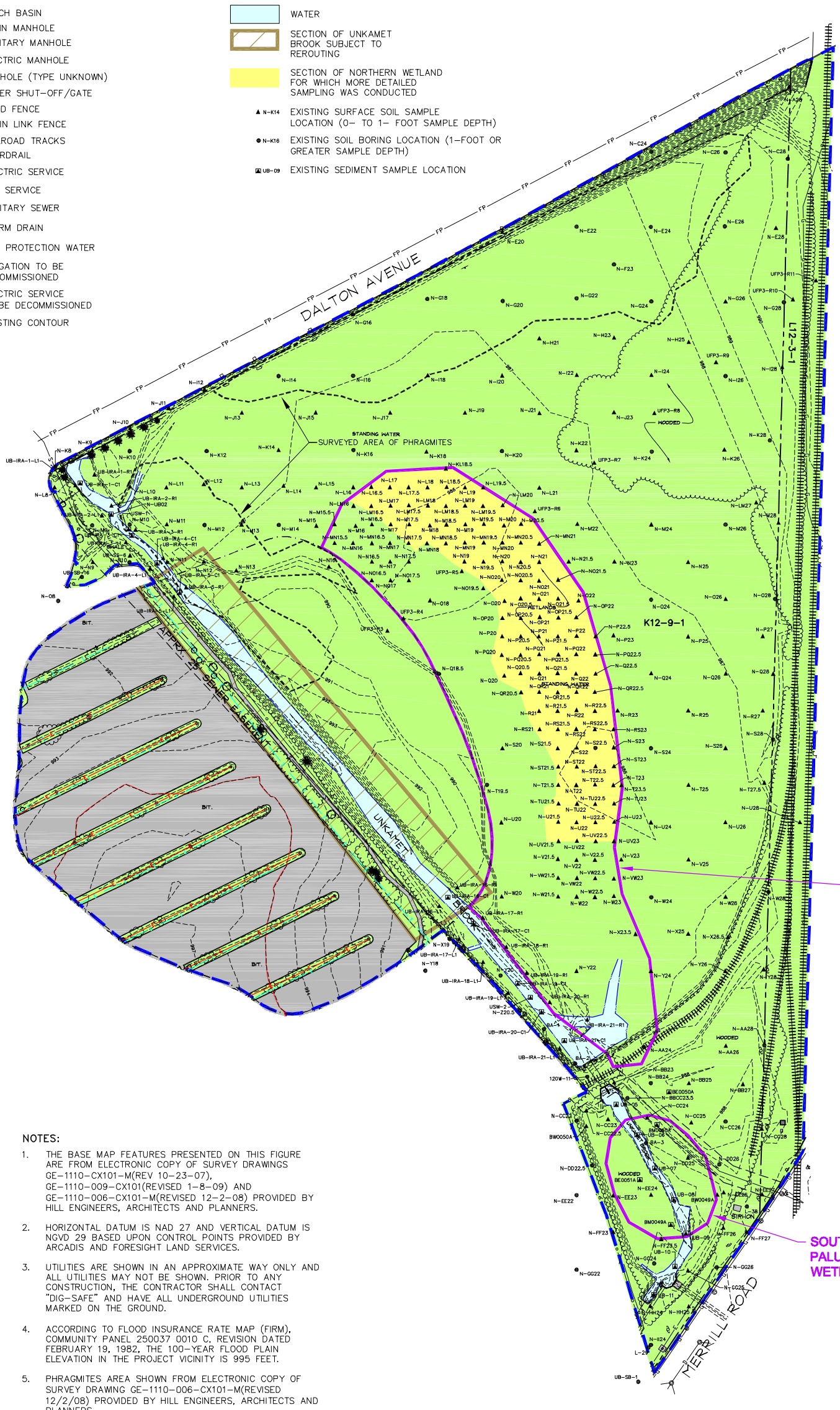
XREFS: IMAGES: PROJECTNAME: ----
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- 100-YEAR FLOODPLAIN BOUNDARY
- APPROXIMATE PALUSTRINE/EMERGENT WETLANDS BOUNDARY
- K12-9-1 PROPERTY IDENTIFICATION
- SIGN
- LIGHT POLE
- UTILITY POLE
- CATCH BASIN
- DRAIN MANHOLE
- SANITARY MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT-OFF/GATE
- WOOD FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- GUARDRAIL
- ELECTRIC SERVICE
- GAS SERVICE
- SANITARY SEWER
- STORM DRAIN
- FIRE PROTECTION WATER
- IRRIGATION TO BE DECOMMISSIONED
- ELECTRIC SERVICE TO BE DECOMMISSIONED
- 1000 EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF WATER
- LANDFILL
- BUILDING/STRUCTURE
- PAVED AREA
- UNPAVED AREA
- WATER
- SECTION OF UNKAMET BROOK SUBJECT TO REROUTING
- SECTION OF NORTHERN WETLAND FOR WHICH MORE DETAILED SAMPLING WAS CONDUCTED
- N-K14 EXISTING SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)
- N-K16 EXISTING SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- UB-09 EXISTING SEDIMENT SAMPLE LOCATION



NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPY OF SURVEY DRAWINGS GE-1110-CX101-M(REV 10-23-07), GE-1110-009-CX101(REVISED 1-8-09) AND GE-1110-006-CX101-M(REVISED 12-2-08) 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. PHRAGMITES AREA SHOWN FROM ELECTRONIC COPY OF SURVEY DRAWING GE-1110-006-CX101-M(REVISED 12/2/08) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.
6. SAMPLE LOCATIONS ARE APPROXIMATE.

0 80' 160'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

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

PROPERTIES LOCATED NORTH OF MERRILL ROAD - SOIL AND SEDIMENT SAMPLE LOCATIONS

ARCADIS

FIGURE
2-1

CITY: SYRACUSE, NY DIV/GROUP: ENV/141 DB: DMW LAF KEW LD: DMW PIC:(Opt) PM: A.CORBIN TM: T.LEEMHUIS LYR:(Opt)ON=*;OFF=*REF*, FRZN*
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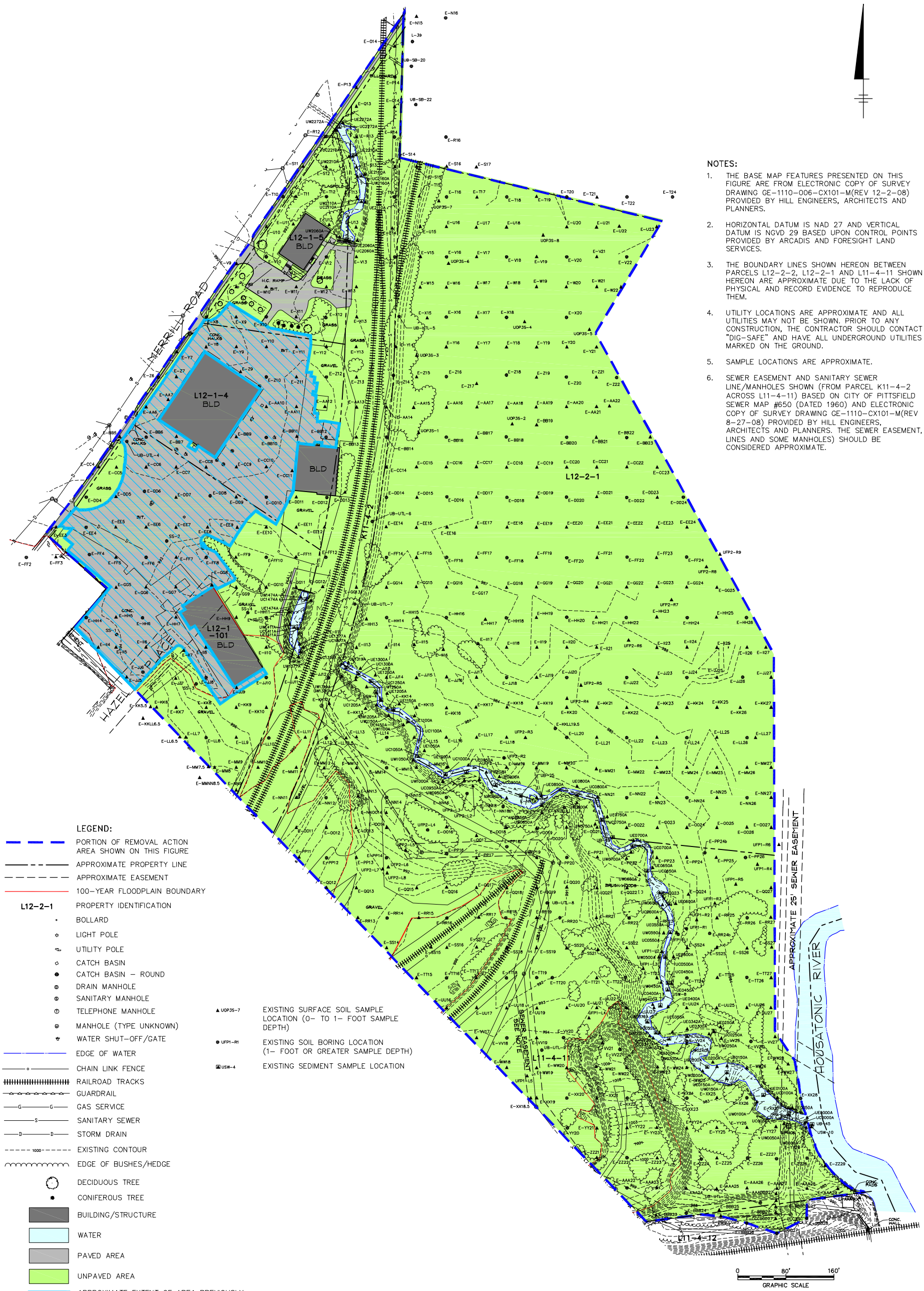

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPY OF SURVEY DRAWING GE-1110-006-CX101-M(REV 12-2-08) 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, L12-2-1 AND L11-4-11 SHOWN HEREON 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.
5. SAMPLE LOCATIONS ARE APPROXIMATE.
6. SEWER EASEMENT AND SANITARY SEWER LINE/MANHOLES SHOWN (FROM PARCEL K11-4-2 ACROSS L11-4-11) BASED ON CITY OF PITTSFIELD SEWER MAP #650 (DATED 1960) AND ELECTRONIC COPY OF SURVEY DRAWING GE-1110-CX101-M(REV 8-27-08) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS. THE SEWER EASEMENT, LINES AND SOME MANHOLES) SHOULD BE CONSIDERED APPROXIMATE.

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- APPROXIMATE PROPERTY LINE
- APPROXIMATE EASEMENT
- 100-YEAR FLOODPLAIN BOUNDARY
- L12-2-1 PROPERTY IDENTIFICATION
- BOLLARD
- LIGHT POLE
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN - ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- TELEPHONE MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT-OFF/GATE
- EDGE OF WATER
- CHAIN LINK FENCE
- RAILROAD TRACKS
- GUARDRAIL
- GAS SERVICE
- SANITARY SEWER
- STORM DRAIN
- EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE
- CONIFEROUS TREE
- BUILDING/STRUCTURE
- WATER
- PAVED AREA
- UNPAVED AREA
- APPROXIMATE EXTENT OF AREA PREVIOUSLY TREATED AS PAVED THAT IS NOW TREATED AS UNPAVED

▲ 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)

USW-4 EXISTING SEDIMENT SAMPLE LOCATION

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

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

PROPERTIES LOCATED SOUTH OF MERRILL ROAD - SOIL AND SEDIMENT SAMPLE LOCATIONS

ARCADIS

FIGURE
2-2

CITY: SYRACUSE, NY DIV/GROUP: ENV/141 DB: DMW LAF LD: DMW PIC:(Opt) PM: A.CORBIN TM: T.LEEMHUIS LYR:(Opt)ON=*;OFF=*REF*
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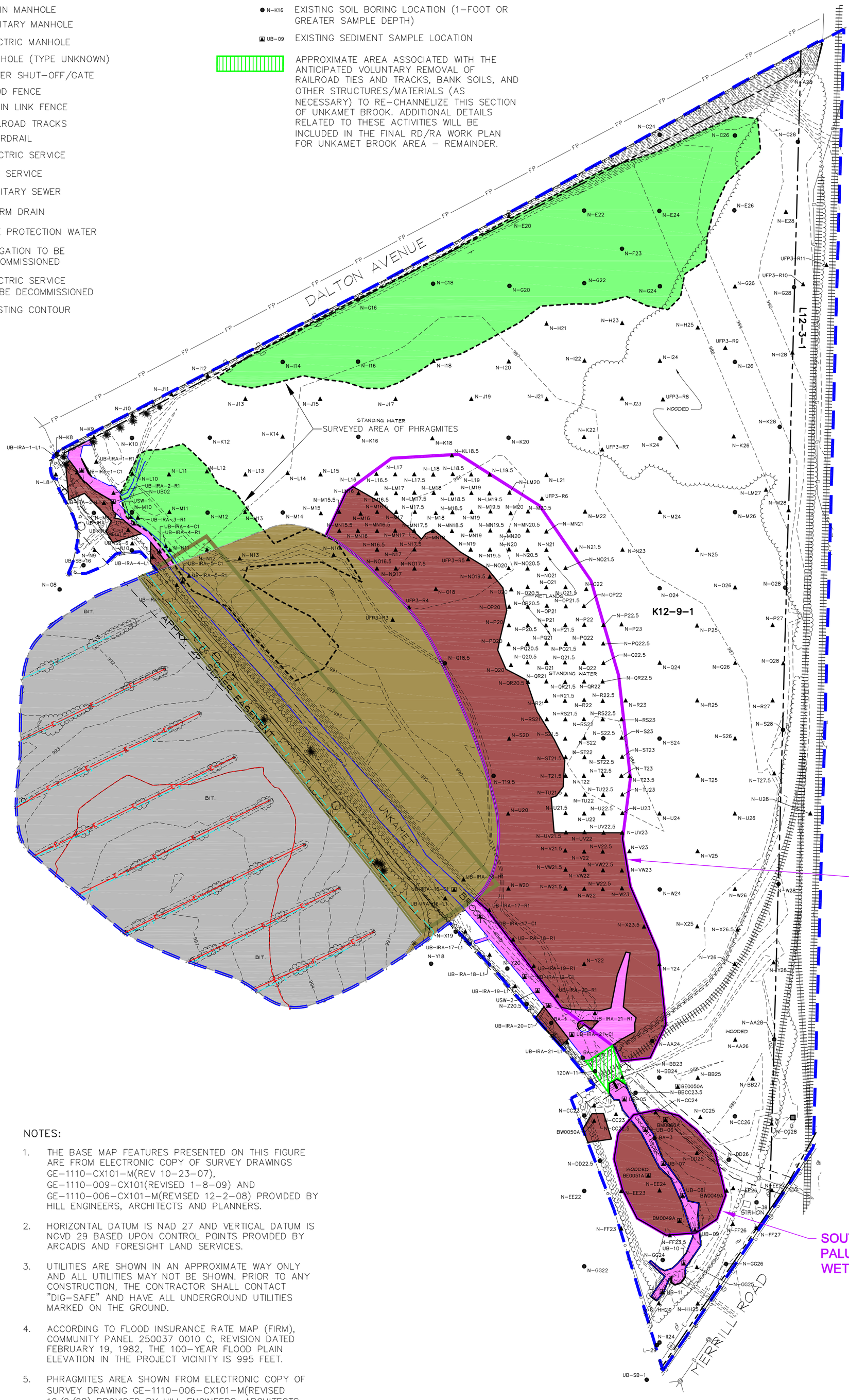
XREFS: IMAGES: PROJECTNAME: ----
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- 100-YEAR FLOODPLAIN BOUNDARY
- APPROXIMATE PALUSTRINE/EMERGENT WETLANDS BOUNDARY
- K12-9-1 PROPERTY IDENTIFICATION
- SIGN
- LIGHT POLE
- UTILITY POLE
- CATCH BASIN
- DRAIN MANHOLE
- SANITARY MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT-OFF/GATE
- WOOD FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- GUARDRAIL
- E ELECTRIC SERVICE
- G GAS SERVICE
- S SANITARY SEWER
- D STORM DRAIN
- FP FIRE PROTECTION WATER
- I I IRRIGATION TO BE DECOMMISSIONED
- E ELECTRIC SERVICE TO BE DECOMMISSIONED
- 1000 EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF WATER
- LANDFILL
- BUILDING/STRUCTURE
- SECTION OF UNKAMET BROOK SUBJECT TO REROUTING
- ▲ N-K14 EXISTING SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)
- ● N-K16 EXISTING SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- UB-09 EXISTING SEDIMENT SAMPLE LOCATION
- APPROXIMATE AREA ASSOCIATED WITH THE ANTICIPATED VOLUNTARY REMOVAL OF RAILROAD TIES AND TRACKS, BANK SOILS, AND OTHER STRUCTURES/MATERIALS (AS NECESSARY) TO RE-CHANNELIZE THIS SECTION OF UNKAMET BROOK. ADDITIONAL DETAILS RELATED TO THESE ACTIVITIES WILL BE INCLUDED IN THE FINAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - REMAINDER.
- 1-FOOT SOIL REMOVAL/REPLACEMENT
- 2-FOOT SOIL REMOVAL (WITHOUT REPLACEMENT)
- AREA PROPOSED FOR PLACEMENT OF AN ASPHALT ENGINEERED BARRIER
- AREA PROPOSED FOR PLACEMENT OF A VEGETATED ENGINEERED LANDFILL CAP
- 1-FOOT SEDIMENT REMOVAL



NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPY OF SURVEY DRAWINGS GE-1110-CX101-M(REV. 10-23-07), GE-1110-009-CX101(REVISED 1-8-09) AND GE-1110-006-CX101-M(REVISED 12-2-08) 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. PHRAGMITES AREA SHOWN FROM ELECTRONIC COPY OF SURVEY DRAWING GE-1110-006-CX101-M(REVISED 12/2/08) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.
6. SAMPLE LOCATIONS ARE APPROXIMATE.

0 80' 160'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

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

PRELIMINARY SOIL- AND SEDIMENT-RELATED RESPONSE ACTIONS NORTH OF MERRILL ROAD

ARCADIS

FIGURE
4-1

CITY: SYRACUSE, NY DIV/GROUP: ENV/141 DB: DMW LAF LD: DMW PIC:(Opt) PM: A.CORBIN TM: T.LEEMHUIS LYR:(Opt)ON=*;OFF=*REF*
G:\GE\ENVCAD\SYRACUSE\ACT\NI\B0040190\0000\00029\DWG\RDRA\REMAINDER\40190G56.DWG LAYOUT: 4-2 SAVED: 3/25/2009 2:14 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/25/2009 2:14 PM BY: WODARCZYK, DAVID

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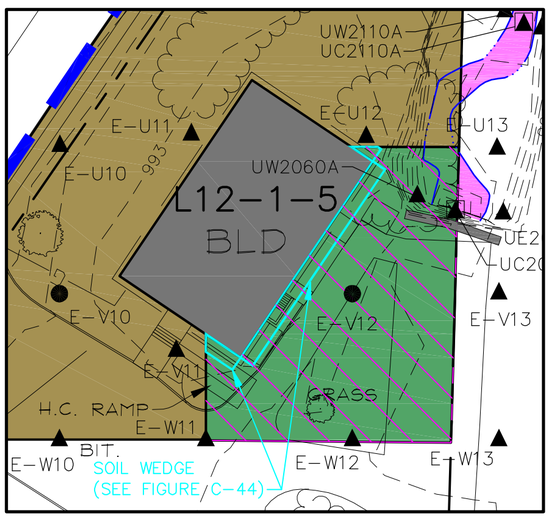


DETAIL A

0 40' 80'
GRAPHIC SCALE

SEE DETAIL A

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPY OF SURVEY DRAWING GE-1110-006-CX101-M(REV 12-2-08) 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, L12-2-1 AND L11-4-11 SHOWN HEREON 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.
5. SAMPLE LOCATIONS ARE APPROXIMATE.
6. SEWER EASEMENT AND SANITARY SEWER LINE/MANHOLES SHOWN (FROM PARCEL K11-4-2 ACROSS L11-4-11) BASED ON CITY OF PITTSFIELD SEWER MAP #650 (DATED 1960) AND ELECTRONIC COPY OF SURVEY DRAWING GE-1110-CX101-M(REV 8-27-08) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS. THE SEWER EASEMENT, LINES AND SOME MANHOLES) SHOULD BE CONSIDERED APPROXIMATE.

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- APPROXIMATE PROPERTY LINE
- APPROXIMATE EASEMENT
- 100-YEAR FLOODPLAIN BOUNDARY
- L12-2-1 PROPERTY IDENTIFICATION
- BOLLARD
- LIGHT POLE
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN - ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- TELEPHONE MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT-OFF/GATE
- EDGE OF WATER
- CHAIN LINK FENCE
- RAILROAD TRACKS
- GUARDRAIL
- GAS SERVICE
- SANITARY SEWER
- STORM DRAIN
- 1000 EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE
- CONIFEROUS TREE
- BUILDING/STRUCTURE
- WATER

- ▲ 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)
- ▲ USW-4 EXISTING SEDIMENT SAMPLE LOCATION
- 1-FOOT SOIL REMOVAL/REPLACEMENT
- 3-FOOT SOIL REMOVAL/REPLACEMENT
- 6-FOOT SOIL REMOVAL/REPLACEMENT
- 1-FOOT SOIL REMOVAL/REPLACEMENT (ASSOCIATED WITH NON-PCB CONSTITUENTS)
- AREA PROPOSED FOR PLACEMENT OF ENGINEERED BARRIER
- 1-FOOT SEDIMENT REMOVAL

0 80' 160'
GRAPHIC SCALE

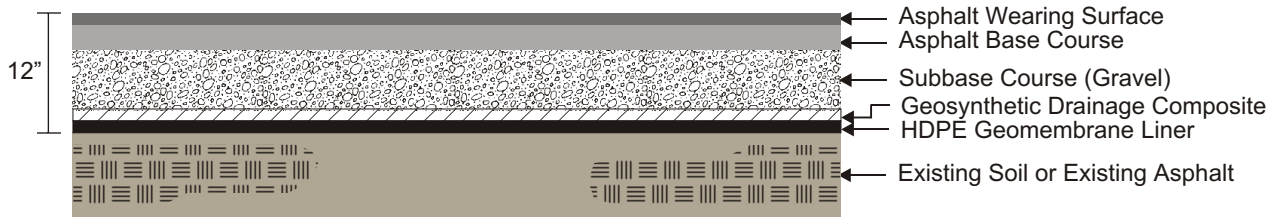
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

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

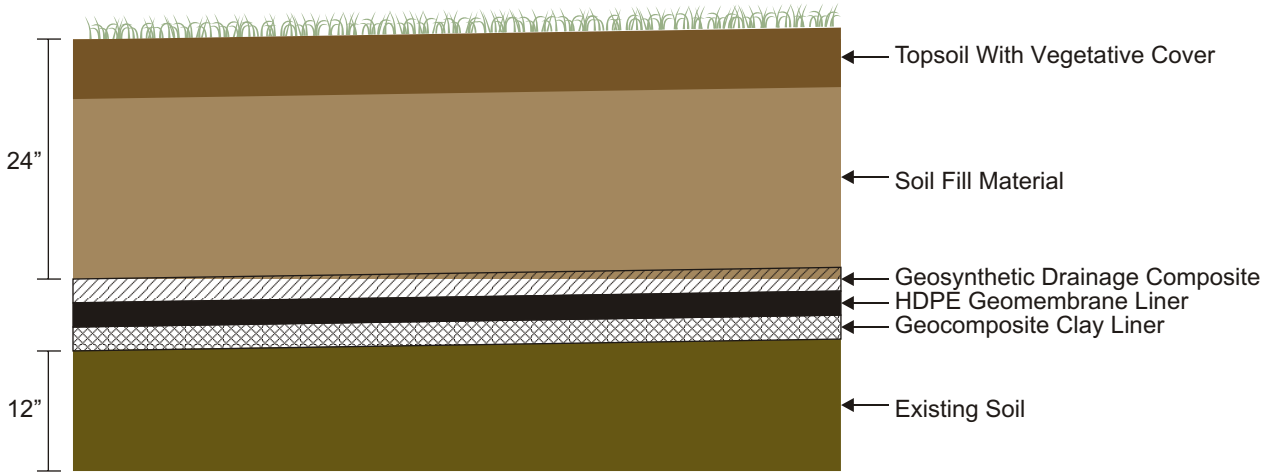
PRELIMINARY SOIL- AND SEDIMENT-RELATED RESPONSE ACTIONS SOUTH OF MERRILL ROAD

ARCADIS

FIGURE
4-2



ASPHALT ENGINEERED BARRIER



ENGINEERED LANDFILL CAP

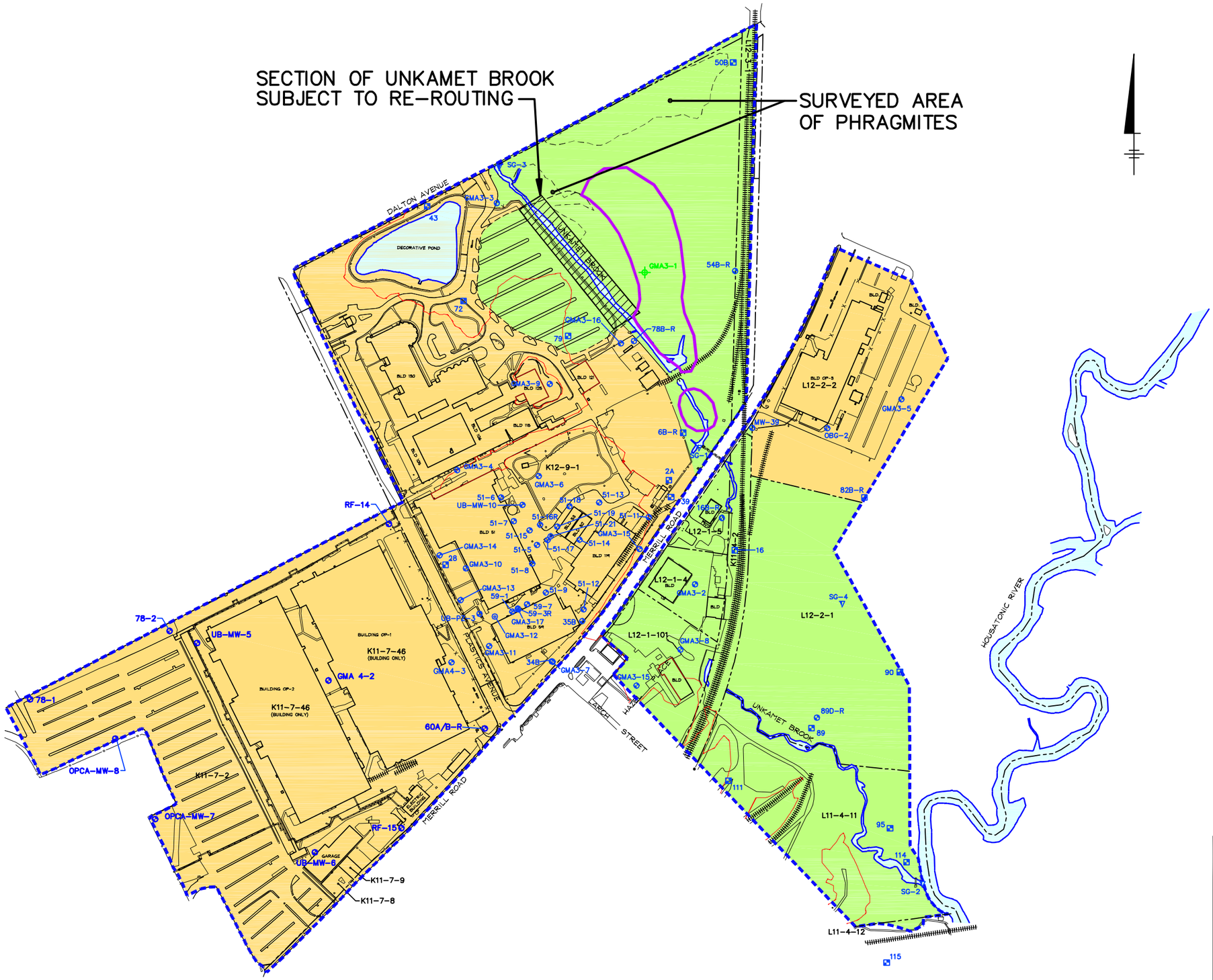
03/06/09 SYRACUSE, NY-ENV/CAD DJH, KLS
C/B0040190/0000/000029/CDR/40190G01.CDR

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

ENGINEERED BARRIER/LANDFILL CAP - CONCEPTUAL CROSS-SECTIONS

ARCADIS

FIGURE
5-1



LEGEND:

- APPROXIMATE REMOVAL ACTION AREA BOUNDARY
- UNKAMET BROOK AREA – WEST
- UNKAMET BROOK AREA – REMAINDER
- 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
- 51-6 EXISTING MONITORING WELL
- 57 EXISTING MONITORING WELL CLUSTER
- 51-21 NAPL RECOVERY WELL (SKIMMER)
- SG-1 SURFACE WATER STAFF GAUGE
- GMA3-1 PROPOSED MONITORING WELL LOCATION (AS PROPOSED IN GEs BASELINE MONITORING PROPOSAL SUBMITTED TO EPA ON APRIL 24, 2001)

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 FROM ELECTRONIC COPY OF SURVEY DRAWING GE-1110-006-CX101-M(REVISED 12/2/08) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.

0 400' 800'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

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

GROUNDWATER RELATED COMPONENTS AT UNKAMET BROOK AREA

ARCADIS

FIGURE
5-2

CITY: SYRACUSE, NY DIV/GROUP: ENV/141 DB: DMW DMW KEW LD: DMW PM:A.CORBIN TM:T.LEEMHUIS LYR:(On)ON=*;OFF=*REF*
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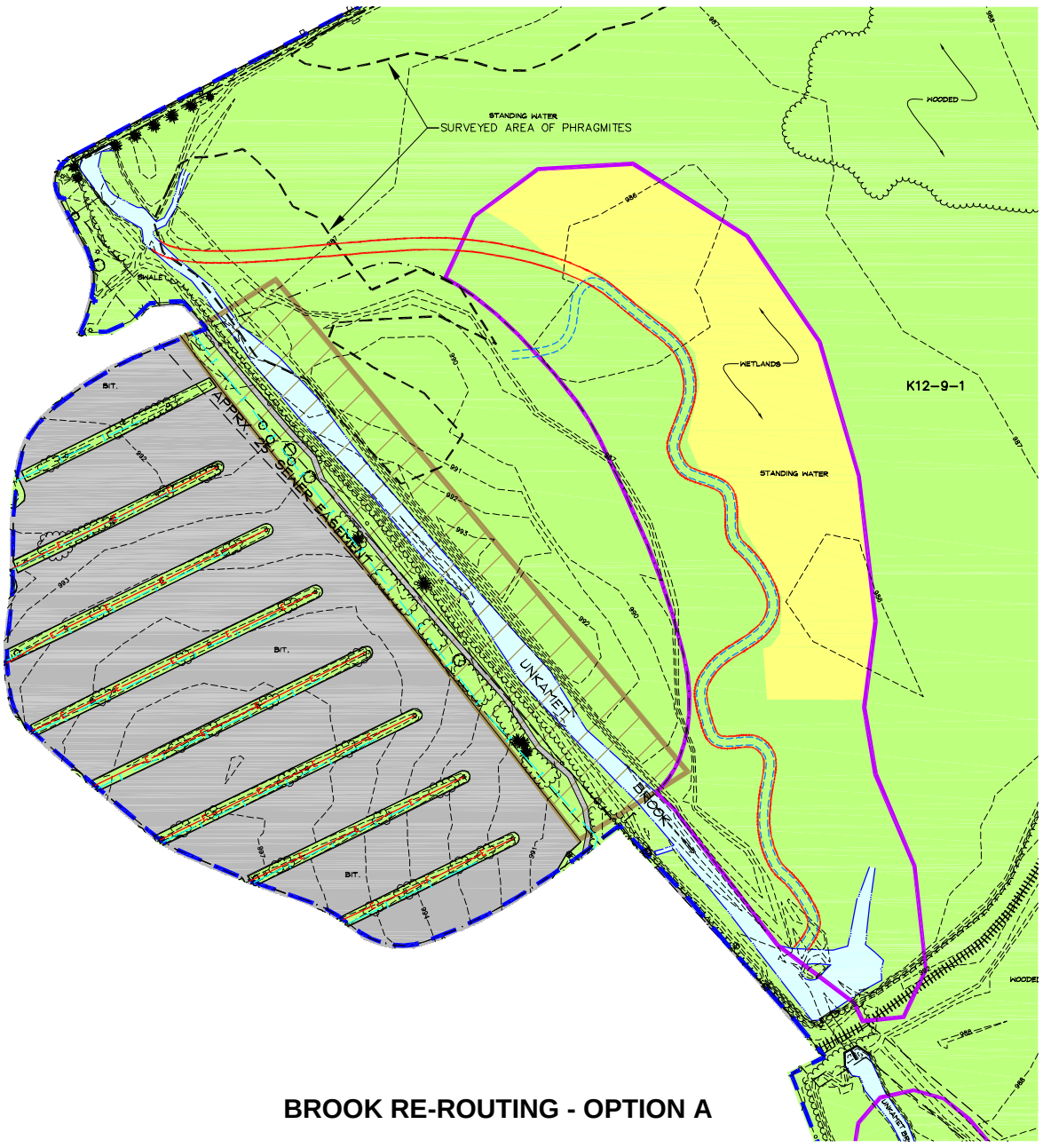
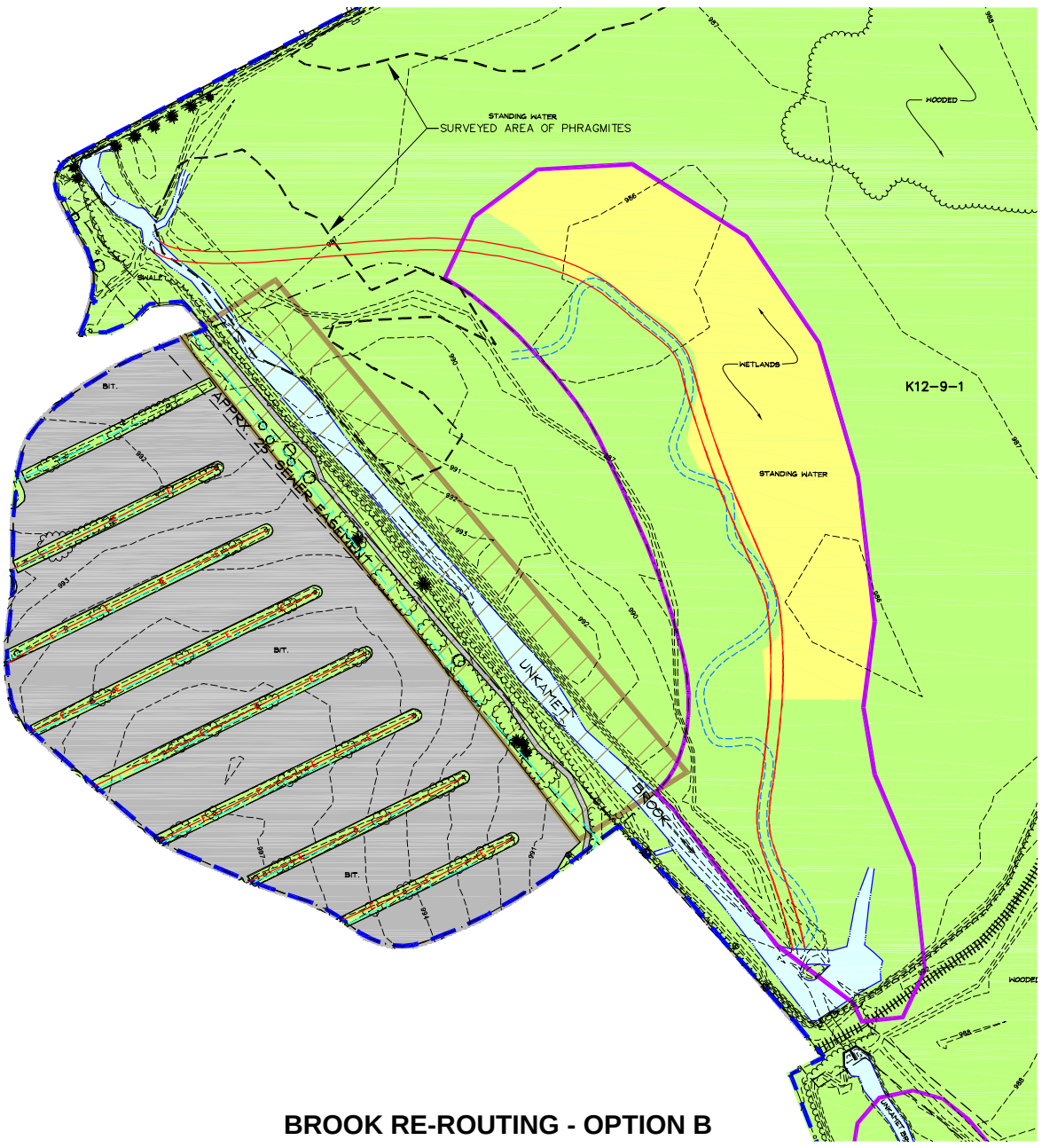


BROOK RE-ROUTING - OPTION A



BROOK RE-ROUTING - OPTION B

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- APPROXIMATE PALUSTRINE/EMERGENT WETLANDS BOUNDARY
- K12-9-1 PROPERTY IDENTIFICATION
- SIGN
- LIGHT POLE
- UTILITY POLE
- CATCH BASIN
- DRAIN MANHOLE
- SANITARY MANHOLE
- WOOD FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- IRRIGATION TO BE DECOMMISSIONED
- ELECTRIC SERVICE TO BE DECOMMISSIONED
- EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF WATER
- LANDFILL
- PAVED AREA
- UNPAVED AREA
- WATER
- SECTION OF UNKAMET BROOK SUBJECT TO REROUTING
- SECTION OF WETLAND IN WHICH NO REMOVAL WILL BE CONDUCTED
- APPROXIMATE FORMER LOCATION OF UNKAMET BROOK (SEE NOTE 5)
- POTENTIAL RE-ROUTED LOCATION OF BROOK

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPY OF SURVEY DRAWINGS GE-1110-CX101-M(REV 10-23-07), GE-1110-009-CX101(REVISED 1-8-09) AND GE-1110-006-CX101-M(REVISED 12-2-08) 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. PHRAGMITES AREA SHOWN FROM ELECTRONIC COPY OF SURVEY DRAWING GE-1110-006-CX101-M(REVISED 12/2/08) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.
5. APPROXIMATE FORMER LOCATION OF UNKAMET BROOK DIGITIZED FROM 1990 AERIAL PHOTOGRAPH.

0 80' 160'
GRAPHIC SCALE

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

CONCEPTUAL UNKAMET BROOK RE-ROUTING OPTIONS

ARCADIS

FIGURE
5-3

CITY: SYRACUSE, NY DIV/GROUP: ENV/141 DB: DMW LD: DMW PIC:(Opt) PM: A.CORBIN TM: T.LEEMHUIS LYR:(Opt)ON=*;OFF=*REF*
G:\GE\ENVCAD\SYRACUSE\ACT\NB\B0040190\0000\00029\DWG\RDRA\REMAINDER\40190G62.DWG LAYOUT: 5-4 SAVED: 3/25/2009 11:32 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/25/2009 11:33 AM BY: WODARCZYK, DAVID

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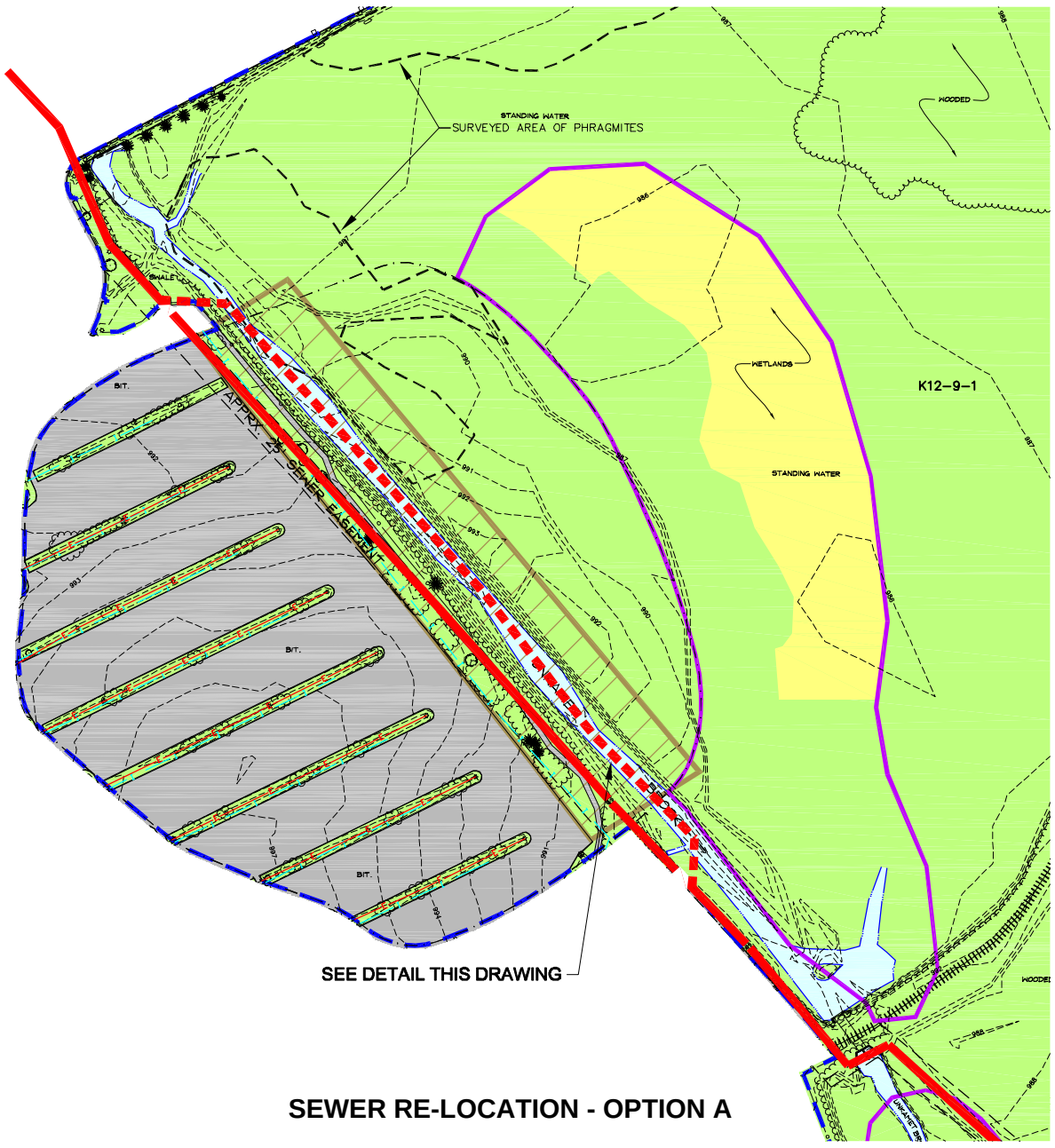
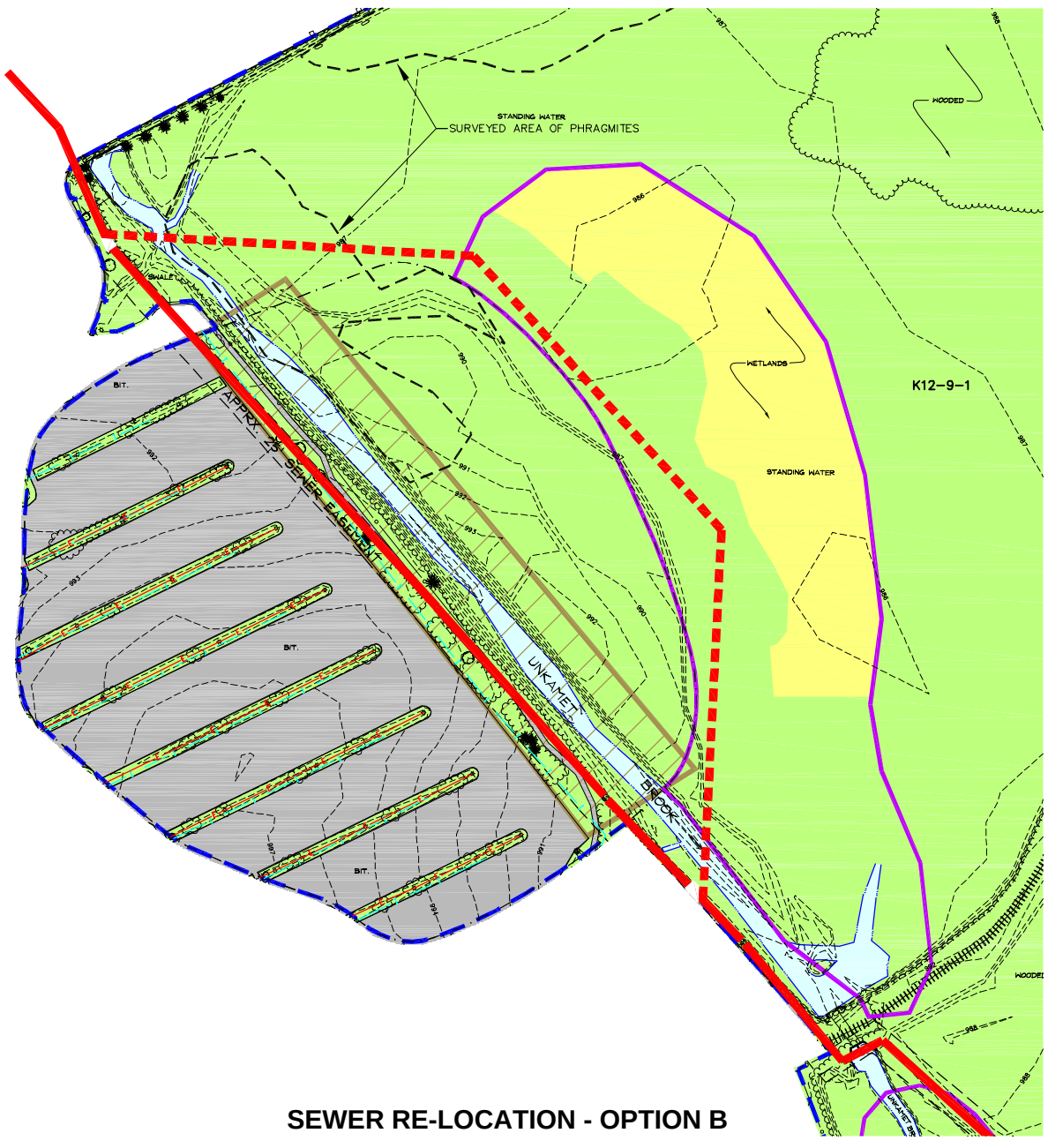


SEWER RE-LOCATION - OPTION A



SEWER RE-LOCATION - OPTION B

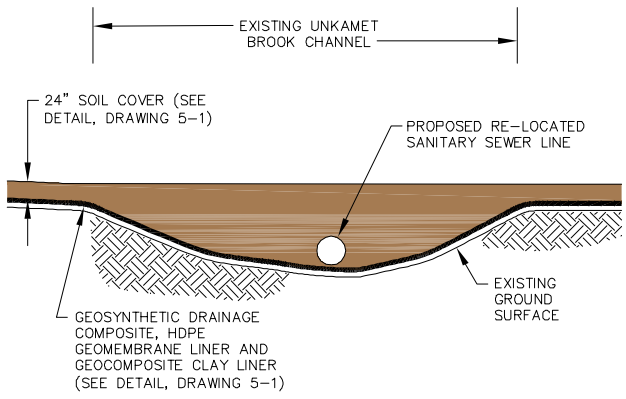
LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- APPROXIMATE PALUSTRINE/EMERGENT WETLANDS BOUNDARY
- K12-9-1 PROPERTY IDENTIFICATION
- SIGN
- LIGHT POLE
- UTILITY POLE
- CATCH BASIN
- DRAIN MANHOLE
- SANITARY MANHOLE
- WOOD FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- IRRIGATION TO BE DECOMMISSIONED
- ELECTRIC SERVICE TO BE DECOMMISSIONED
- 987 EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF WATER
- LANDFILL
- PAVED AREA
- UNPAVED AREA
- WATER
- SECTION OF UNKAMET BROOK SUBJECT TO REROUTING
- SECTION OF WETLAND IN WHICH REMOVAL WILL NOT BE CONDUCTED
- PROPOSED RE-LOCATION OF SANITARY SEWER
- SANITARY SEWER (EXISTING)

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPY OF SURVEY DRAWINGS GE-1110-CX101-M(REV 10-23-07), GE-1110-009-CX101(REVISED 1-8-09) AND GE-1110-006-CX101-M(REVISED 12-2-08) 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. PHRAGMITES AREA SHOWN FROM ELECTRONIC COPY OF SURVEY DRAWING GE-1110-006-CX101-M(REVISED 12/2/08) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.

0 80' 160'
GRAPHIC SCALE



SEWER RE-LOCATION IN BROOK CHANNEL DETAIL

0 10' 20'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

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

PROPOSED SANITARY SEWER RELOCATION

ARCADIS

FIGURE
5-4

Appendices

ARCADIS

Appendix A

Summary of Analytical Data for All Samples Used in PCB Evaluations

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K12-9-1 (Non-Industrial)										
RAA10-N-A28	0-1	1/12/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.12	0.20	0.32
RAA10-N-AA26	0-1	1/13/2004	ND(0.050) [ND(0.049)]	ND(0.050) [ND(0.049)]	ND(0.050) [ND(0.049)]	ND(0.050) [ND(0.049)]	ND(0.050) [ND(0.049)]	0.13 [0.12]	0.19 [0.18]	0.32 [0.30]
RAA10-N-AA28	0-1	4/1/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.30	0.19	0.49
	1-3	4/1/2004	ND(0.044) [ND(0.041)]	ND(0.044) [ND(0.041)]	ND(0.044) [ND(0.041)]	ND(0.044) [ND(0.041)]	ND(0.044) [ND(0.041)]	ND(0.044) [ND(0.041)]	ND(0.044) [ND(0.041)]	ND(0.044) [ND(0.041)]
	3-6	4/1/2004	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)
	6-15	4/1/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-N-BB23	0-1	1/13/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.17 J	0.19	0.36 J
RAA10-N-BB24	0-1	5/11/2004	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	1.7	2.3	4.0
	1-3	5/11/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	1.3	1.5	2.8
	3-6	5/11/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.55	0.52	1.07
RAA10-N-BB25	0-1	1/14/2004	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	0.40	0.28	0.68
RAA10-N-BB27	0-1	1/14/2004	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)
RAA10-N-BBCC23.5	0-1	5/11/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.084	0.17	0.254
	1-3	5/11/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.068	0.11	0.178
	3-6	5/11/2004	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	0.086	0.075	0.161
	6-15	5/11/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)
RAA10-N-C24	0-1	3/15/2005	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	1-3	3/15/2005	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)
	3-6	3/15/2005	R [ND(0.12) J]	R [ND(0.12) J]	R [ND(0.12) J]	R [ND(0.12) J]	R [ND(0.12) J]	R [ND(0.12) J]	R [ND(0.12) J]	R [ND(0.12) J]
	6-15	3/15/2005	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	0.043 J	ND(0.062)	0.043 J
RAA10-N-C26	0-1	1/12/2004	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	0.10	0.10
	2-3	3/2/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA10-N-C28	0-1	3/14/2005	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	1-3	3/14/2005	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)
	3-6	3/14/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	6-15	3/14/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
RAA10-N-CC22	0-1	5/12/2004	ND(0.040)	ND(0.040)	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)	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)]	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)	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)	ND(0.52)	ND(0.52)	9.1	5.8	14.9
RAA10-N-CC23	0-1	1/28/2004	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	6.8	3.4	10.2
RAA10-N-CC25	0-1	1/13/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.21	0.30	0.51
RAA10-N-CC26	0-1	3/29/2004	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	0.40	0.52	0.92
	1-3	3/29/2004	ND(0.073)	ND(0.073)	ND(0.073)	ND(0.073)	ND(0.073)	0.050 J	0.051 J	0.101 J
	3-6	3/29/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	6-15	3/29/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-N-CC28	0-1	1/14/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.23	0.44	0.67
RAA10-N-DD22.5	0-1	5/11/2004	R	R	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)	ND(2.0)	ND(2.0)	91	43	134
	3-6	5/11/2004	ND(0.38)	ND(0.38)	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)	ND(0.052)	ND(0.052)
RAA10-N-DD26	0-1	3/29/2004	ND(0.050) [ND(0.048)]	ND(0.050) [ND(0.048)]	ND(0.050) [ND(0.048)]	ND(0.050) [ND(0.048)]	ND(0.050) [ND(0.048)]	0.073 [0.051]	0.27 [0.14]	0.343 [0.191]
	1-3	3/29/2004	ND(0.038) J	ND(0.038) J	ND(0.038) J	ND(0.038) J	ND(0.038) J	ND(0.038) J	ND(0.038) J	ND(0.038) J
	3-6	3/29/2004	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	0.30	0.24	0.54
RAA10-N-E20	0-1	1/28/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.032 J	0.044 J	0.076 J
RAA10-N-E22	0-1	1/28/2004	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)
	2-3	3/3/2004	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K12-9-1 (Non-Industrial) (continued)										
RAA10-N-E24	0-1	1/28/2004	ND(0.083) [ND(0.059)]	ND(0.083) [ND(0.059)]	ND(0.083) [ND(0.059)]	ND(0.083) [ND(0.059)]	ND(0.083) [ND(0.059)]	ND(0.083) [ND(0.059)]	0.099 [0.033 J]	0.099 [0.033 J]
	2-3	3/15/2005	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-N-E26	0-1	3/14/2005	ND(0.14) J	ND(0.14) J	ND(0.14) J	ND(0.14) J	ND(0.14) J	ND(0.14) J	ND(0.14) J	ND(0.14) J
	1-3	3/14/2005	ND(0.13) J	ND(0.13) J	ND(0.13) J	ND(0.13) J	ND(0.13) J	ND(0.13) J	ND(0.13) J	ND(0.13) J
	3-6	3/14/2005	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	0.040 J	ND(0.067)	0.040 J
	6-15	3/14/2005	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)
RAA10-N-E28	0-1	1/12/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.013 J	0.013 J
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)	ND(0.040)	ND(0.040)
	1-6	10/14/2003	ND(0.043)	ND(0.043)	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)]	ND(0.29) [ND(0.057)]	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)	ND(0.040)	ND(0.040)	0.10	ND(0.040)	1.1	0.67	1.87
RAA10-N-EE26	0-1	1/28/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.093	0.17	0.263
RAA10-N-F23	0-1	1/7/2004	ND(0.089)	ND(0.089)	ND(0.089)	ND(0.089)	ND(0.089)	ND(0.089)	0.054 J	0.054 J
	2-3	3/16/2005	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
RAA10-N-FF23	0-1	1/13/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.31	0.41	0.72
RAA10-N-FF26	0-1	1/14/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	3.7	3.7
RAA10-N-FF27	0-1	1/14/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.68	0.89	1.57
RAA10-N-G16	0-1	3/23/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.024 J	0.020 J	0.044 J
	1-3	3/23/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	3-6	3/23/2004	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	0.41 [0.51]	0.31 [0.25]	0.72 [0.76]
	6-15	3/23/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.028 J	0.018 J	0.046 J
RAA10-N-G18	0-1	1/7/2004	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.079)
	2-3	3/3/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
RAA10-N-G20	0-1	3/23/2004	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)
	1-3	3/23/2004	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)
	3-6	3/23/2004	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)
	6-15	3/23/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-N-G22	0-1	1/7/2004	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)	0.029 J	0.029 J
	2-3	3/2/2004	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)
RAA10-N-G24	0-1	3/22/2004	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)
	1-3	3/22/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)
	3-6	3/22/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	6-15	3/22/2004	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)
RAA10-N-G26	0-1	1/7/2004	ND(0.051) [ND(0.048)]	ND(0.051) [ND(0.048)]	ND(0.051) [ND(0.048)]	ND(0.051) [ND(0.048)]	ND(0.051) [ND(0.048)]	ND(0.051) [ND(0.048)]	0.016 J [0.031 J]	0.016 J [0.031 J]
RAA10-N-G28	1-3	3/16/2005	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	3-6	3/16/2005	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	6-15	3/16/2005	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)
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)	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)	ND(0.036)	ND(0.036)
	6-15	10/14/2003	ND(0.046)	ND(0.046)	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)	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)	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)	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)	ND(0.055)	ND(0.055)
RAA10-N-GG25	0-1	1/14/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.13	0.23	0.36
RAA10-N-GG26	0-1	3/29/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.94	0.52	1.46
	1-3	3/29/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.039	ND(0.034)	0.039
	3-6	3/29/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	3/29/2004	ND(0.073)	ND(0.073)	ND(0.073)	ND(0.073)	ND(0.073)	ND(0.073)	ND(0.073)	ND(0.073)

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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 (Non-Industrial) (continued)										
RAA10-N-H21	0-1	1/28/2004	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)
RAA10-N-H23	0-1	1/7/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)
RAA10-N-H25	0-1	1/28/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
RAA10-N-HH24	0-1	1/13/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.11	0.20	0.31
RAA10-N-HH25	0-1	1/28/2004	ND(0.041)	ND(0.041)	ND(0.041)	1.2	ND(0.041)	ND(0.041)	0.65	1.85
RAA10-N-I12	0-1	1/15/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.098	0.053	0.151
RAA10-N-I14	0-1	1/20/2004	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	0.81	0.81	1.62
	2-3	3/2/2004	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)	0.50	0.58	1.08
RAA10-N-I16	0-1	1/15/2004	ND(0.13) J	ND(0.13) J	ND(0.13) J	ND(0.13) J	ND(0.13) J	0.15 J	0.10 J	0.25 J
	2-3	3/2/2004	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	0.092 J	0.070 J	0.162 J
RAA10-N-I18	0-1	1/16/2004	ND(0.097)	ND(0.097)	ND(0.097)	ND(0.097)	ND(0.097)	0.20	0.10	0.30
RAA10-N-I20	0-1	1/28/2004	ND(0.26) J	ND(0.26) J	ND(0.26) J	ND(0.26) J	ND(0.26) J	ND(0.26) J	ND(0.26) J	ND(0.26) J
RAA10-N-I22	0-1	1/7/2004	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)
RAA10-N-I24	0-1	1/28/2004	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	0.038 J	0.029 J	0.067 J
RAA10-N-I26	1-3	3/16/2005	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	0.091	0.091
	3-6	3/16/2005	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	6-15	3/16/2005	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
RAA10-N-I28	0-1	1/12/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.011 J	0.014 J	0.025 J
RAA10-N-II24	0-1	10/20/2003	ND(0.036)	ND(0.036)	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)	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)	ND(0.046)	ND(0.046)
RAA10-N-J10	0-1	1/16/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.45	0.45
RAA10-N-J11	0-1	1/16/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.22	0.28	0.50
RAA10-N-J13	0-1	1/16/2004	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.12) J	0.053 J	0.058 J	0.111 J
RAA10-N-J15	0-1	1/16/2004	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.12) J	0.23 J	0.23 J	0.46 J
RAA10-N-J17	0-1	1/16/2004	ND(0.086)	ND(0.086)	ND(0.086)	ND(0.086)	ND(0.086)	0.15	0.14	0.29
RAA10-N-J19	0-1	1/20/2004	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	0.031 J	0.031 J
RAA10-N-J21	0-1	1/20/2004	ND(0.091)	ND(0.091)	ND(0.091)	ND(0.091)	ND(0.091)	ND(0.091)	ND(0.091)	ND(0.091)
RAA10-N-J23	0-1	1/7/2004	R	R	R	R	R	R	R	R
RAA10-N-K8	0-1	11/13/2003	ND(0.039)	ND(0.039)	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)	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)	ND(0.22)	ND(0.22)	7.5	7.5
	6-15	11/13/2003	ND(0.53)	ND(0.53)	ND(0.53)	ND(0.53)	ND(0.53)	11	12	23
RAA10-N-K9	0-1	1/16/2004	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)]	0.10 [0.11]	0.22 [0.22]	0.32 [0.33]
RAA10-N-K10	0-1	3/24/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	3.0	3.0
	1-3	3/24/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	6.0	6.0
	3-6	3/24/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.77	0.61	1.38
	6-15	3/24/2004	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)
RAA10-N-K12	0-1	3/24/2004	ND(0.11) [ND(0.12)]	ND(0.11) [ND(0.12)]	ND(0.11) [ND(0.12)]	ND(0.11) [ND(0.12)]	ND(0.11) [ND(0.12)]	2.0 [1.5]	2.0 [1.8]	4.0 [3.3]
	1-3	3/24/2004	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)
	3-6	3/24/2004	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)
	6-15	3/24/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA10-N-K14	0-1	1/20/2004	ND(0.13) J	ND(0.13) J	ND(0.13) J	ND(0.13) J	ND(0.13) J	0.89 J	0.72 J	1.61 J
RAA10-N-K16	0-1	3/24/2004	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	0.48	0.24	0.72
	1-3	3/24/2004	ND(0.099)	ND(0.099)	ND(0.099)	ND(0.099)	ND(0.099)	ND(0.099)	ND(0.099)	ND(0.099)
	3-6	3/24/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)
	6-15	3/24/2004	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)
RAA10-N-K18	0-1	1/20/2004	ND(0.11) J	ND(0.11) J	ND(0.11) J	ND(0.11) J	ND(0.11) J	0.18 J	0.14 J	0.32 J

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K12-9-1 (Non-Industrial) (continued)										
RAA10-N-K20	0-1	3/22/2004	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)
	1-3	3/22/2004	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)
	3-6	3/22/2004	ND(0.089)	ND(0.089)	ND(0.089)	ND(0.089)	ND(0.089)	ND(0.089)	ND(0.089)	ND(0.089)
	6-15	3/22/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
RAA10-N-K22	0-1	1/20/2004	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)
RAA10-N-K24	1-3	4/2/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	3-6	4/2/2004	ND(0.078)	ND(0.078)	ND(0.078)	ND(0.078)	ND(0.078)	ND(0.078)	ND(0.078)	ND(0.078)
	6-15	4/2/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)
RAA10-N-K26	0-1	1/12/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.038 J	0.032 J	0.070 J
RAA10-N-K28	0-1	3/17/2005	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	0.059	0.059
	1-3	3/17/2005	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	3-6	3/17/2005	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	6-15	3/17/2005	ND(0.058) [R]	ND(0.058) [R]	ND(0.058) [R]	ND(0.058) [R]	ND(0.058) [R]	ND(0.058) [R]	ND(0.058) [R]	ND(0.058) [R]
RAA10-N-L8	0-1	1/16/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.85	1.3	2.15
RAA10-N-L10	0-1	1/20/2004	ND(2.4)	ND(2.4)	ND(2.4)	ND(2.4)	ND(2.4)	5.6	8.2	13.8
RAA10-N-L11	0-1	1/20/2004	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	1.1	1.2	2.3
RAA10-N-L12	0-1	1/19/2004	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	1.5	1.9	3.4
RAA10-N-L13	0-1	1/20/2004	ND(0.15) J	ND(0.15) J	ND(0.15) J	ND(0.15) J	ND(0.15) J	ND(0.15) J	ND(0.15) J	ND(0.15) J
RAA10-N-L14	0-1	1/20/2004	ND(0.15) J	ND(0.15) J	ND(0.15) J	ND(0.15) J	ND(0.15) J	0.69 J	0.63 J	1.32 J
RAA10-N-L15	0-1	1/20/2004	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.12) J
RAA10-N-L16	0-1	1/20/2004	ND(0.13) J	ND(0.13) J	ND(0.13) J	ND(0.13) J	ND(0.13) J	0.17 J	0.13 J	0.30 J
RAA10-N-L21	0-1	1/20/2004	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	0.025 J	0.025 J
RAA10-N-LM27	0-1	1/28/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.012 J	0.018 J	0.030 J
RAA10-N-M9	0-1	1/16/2004	ND(0.048)	ND(0.048)	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)	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)	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)	ND(0.052)	ND(0.052)	1.8	1.8
	1-3	3/24/2004	ND(0.24)	ND(0.24)	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)	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)	ND(0.051)	ND(0.051)
RAA10-N-M11	0-1	1/20/2004	ND(0.089)	ND(0.089)	ND(0.089)	ND(0.089)	ND(0.089)	ND(0.089)	3.7	3.7
RAA10-N-M12	0-1	3/26/2004	ND(0.094)	ND(0.094)	ND(0.094)	ND(0.094)	ND(0.094)	1.5	2.0	3.5
	1-3	3/26/2004	ND(0.15) J	ND(0.15) J	ND(0.15) J	ND(0.15) J	ND(0.15) J	0.46 J	0.57 J	1.03 J
	3-6	3/26/2004	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.12) J
	6-15	3/26/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.085	0.086	0.171
RAA10-N-M13	0-1	1/20/2004	ND(0.16) J	ND(0.16) J	ND(0.16) J	ND(0.16) J	ND(0.16) J	2.8 J	2.7 J	5.5 J
RAA10-N-M14	0-1	3/25/2004	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	1.0	1.0	2.0
	1-3	3/25/2004	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	0.20	0.27	0.47
	3-6	3/25/2004	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)
	6-15	3/25/2004	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)
RAA10-N-M15	0-1	1/20/2004	ND(0.17) J	ND(0.17) J	ND(0.17) J	ND(0.17) J	ND(0.17) J	ND(0.17) J	ND(0.17) J	ND(0.17) J
RAA10-N-M22	0-1	1/20/2004	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	0.019 J	0.019 J
RAA10-N-M24	0-1	1/15/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
RAA10-N-M26	0-1	4/2/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.026 J	0.026 J
	1-3	4/2/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	3-6	4/2/2004	ND(0.059) [ND(0.056)]	ND(0.059) [ND(0.056)]	ND(0.059) [ND(0.056)]	ND(0.059) [ND(0.056)]	ND(0.059) [ND(0.056)]	ND(0.059) [ND(0.056)]	ND(0.059) [ND(0.056)]	ND(0.059) [ND(0.056)]
	6-15	4/2/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
RAA10-N-M28	0-1	1/12/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.021 J	0.021 J
RAA10-N-N9	0-1	1/16/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.087	0.081	0.168

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K12-9-1 (Non-Industrial) (continued)										
RAA10-N-N10	0-1	11/13/2003	ND(0.27)	ND(0.27)	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	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	ND(11) J	ND(11) J	360 J	360 J
RAA10-N-N11	0-1	1/20/2004	ND(24)	ND(24)	ND(24)	ND(24)	ND(24)	120	250	370
RAA10-N-N12	0-1	1/19/2004	ND(7.9) J	ND(7.9) J	ND(7.9) J	ND(7.9) J	ND(7.9) J	32 J	46 J	78 J
RAA10-N-N13	0-1	1/19/2004	ND(12) J	ND(12) J	ND(12) J	ND(12) J	ND(12) J	280 J	470 J	750 J
RAA10-N-N16*	0-1	1/20/2004	ND(0.052) [ND(0.050)]	ND(0.052) [ND(0.050)]	ND(0.052) [ND(0.050)]	ND(0.052) [ND(0.050)]	ND(0.052) [ND(0.050)]	0.15 [0.094]	0.084 [0.048 J]	0.234 [0.142]
RAA10-N-N21.5	0-1	1/20/2004	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)
RAA10-N-N23	0-1	1/15/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)
RAA10-N-N25	0-1	1/15/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA10-N-O8	6-15	3/2/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	1.7	1.8	3.5
RAA10-N-O24	0-1	3/22/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)
	1-3	3/22/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
	3-6	3/22/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	6-15	3/22/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA10-N-O26	0-1	2/5/2004	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	0.036 J	ND(0.062)	0.036 J
RAA10-N-O28	0-1	4/1/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	1-3	4/1/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	3-6	4/1/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	6-15	4/1/2004	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)
RAA10-N-P23	0-1	1/15/2004	ND(0.089)	ND(0.089)	ND(0.089)	ND(0.089)	ND(0.089)	0.33	0.15	0.48
RAA10-N-P25	0-1	1/15/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)
RAA10-N-P27	0-1	1/12/2004	ND(0.088)	ND(0.088)	ND(0.088)	ND(0.088)	ND(0.088)	0.64	0.76	1.4
RAA10-N-Q24	0-1	1/15/2004	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)
RAA10-N-Q26	0-1	1/15/2004	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	0.074	0.074
RAA10-N-Q28	0-1	1/12/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.029 J	0.045 J	0.074 J
RAA10-N-R23	0-1	1/15/2004	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)
RAA10-N-R25	0-1	1/15/2004	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)
RAA10-N-R27	0-1	1/15/2004	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)
RAA10-N-S24	0-1	3/17/2004	ND(0.087)	ND(0.087)	ND(0.087)	ND(0.087)	ND(0.087)	ND(0.087)	0.058 J	0.058 J
	1-3	3/17/2004	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)
	3-6	3/17/2004	ND(0.082)	ND(0.082)	ND(0.082)	ND(0.082)	ND(0.082)	ND(0.082)	ND(0.082)	ND(0.082)
	6-15	3/17/2004	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)
RAA10-N-S26	0-1	1/15/2004	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)
RAA10-N-S28	0-1	4/1/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.030 J	0.030 J
	1-3	4/1/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	3-6	4/1/2004	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)
	6-15	4/1/2004	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)
RAA10-N-T25	0-1	1/15/2004	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)
RAA10-N-T27.5	0-1	1/14/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.18	0.18
RAA10-N-U24	0-1	1/14/2004	ND(0.091)	ND(0.091)	ND(0.091)	ND(0.091)	ND(0.091)	ND(0.091)	0.42	0.42
RAA10-N-U26	0-1	2/5/2004	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.079)	0.095	0.095
RAA10-N-V23	0-1	1/14/2004	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	1.3	0.97	2.27
RAA10-N-V25	0-1	1/14/2004	ND(0.085) [ND(0.085)]	ND(0.085) [ND(0.085)]	ND(0.085) [ND(0.085)]	ND(0.085) [ND(0.085)]	ND(0.085) [ND(0.085)]	0.30 [0.28]	0.21 [0.16]	0.51 [0.44]
RAA10-N-W24	0-1	3/16/2004	ND(0.095)	ND(0.095)	ND(0.095)	ND(0.095)	ND(0.095)	1.6	1.2	2.8
	1-3	3/16/2004	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	0.046 J	0.037 J	0.083 J
	3-6	3/16/2004	ND(0.094)	ND(0.094)	ND(0.094)	ND(0.094)	ND(0.094)	ND(0.094)	ND(0.094)	ND(0.094)
	6-15	3/16/2004	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)
RAA10-N-W26	0-1	1/14/2004	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	0.034 J	0.037 J	0.071 J

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K12-9-1 (Non-Industrial) (continued)										
RAA10-N-W28	0-1	4/1/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.17	0.24	0.41
	1-3	4/1/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	3-6	4/1/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	6-15	4/1/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA10-N-X19	0-1	2/22/2005	ND(0.92)	ND(0.92)	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)	ND(4.2)	ND(4.2)	7.8	15	22.8
RAA10-N-X25	0-1	1/14/2004	ND(0.073)	ND(0.073)	ND(0.073)	ND(0.073)	ND(0.073)	0.14	0.098	0.238
RAA10-N-X26.5	0-1	1/14/2004	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	0.17	0.17
RAA10-N-Y18	0-1	10/23/2003	ND(0.040)	ND(0.040)	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)	ND(2.2)	ND(2.2)	34	11	45
	6-15	10/23/2003	ND(220)	ND(220)	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)	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)	ND(4.2)	ND(4.2)	26	24	50
	3-6	5/12/2004	ND(0.41)	ND(0.41)	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)	ND(1.9)	ND(1.9)	45	16	61
RAA10-N-Y26	0-1	1/13/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.12	0.20	0.32
RAA10-N-Y28	0-1	1/14/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.054	0.093	0.147
RAA10-N-Z20.5	0-1	5/12/2004	ND(18)	ND(18)	ND(18)	ND(18)	ND(18)	ND(18)	37	37
	1-3	5/12/2004	ND(19)	ND(19)	ND(19)	ND(19)	ND(19)	ND(19)	62	62
	3-6	5/12/2004	ND(21)	ND(21)	ND(21)	ND(21)	ND(21)	ND(21)	38	38
	6-15	5/12/2004	ND(0.085)	ND(0.085)	ND(0.085)	ND(0.085)	ND(0.085)	2.5	1.8	4.3
Northern Inundated (Palustrine/Emergent) Wetland Area										
RAA10-N-AA24	0-1	5/11/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	1.2	1.0	2.2
	1-3	5/11/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	3-6	5/11/2004	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(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]
	6-15	5/11/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-N-KL18.5	0-1	11/17/2004	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	0.084 J	0.074 J	0.158 J
RAA10-N-L16.5	0-1	11/17/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.75	0.52	1.27
RAA10-N-L17	0-1	11/17/2004	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	0.36	0.22 J	0.58
RAA10-N-L17.5	0-1	11/17/2004	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	0.11 J	0.12 J	0.23 J
RAA10-N-L18	0-1	11/16/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.4	0.40	1.8
RAA10-N-L18.5	0-1	11/16/2004	ND(0.097)	ND(0.097)	ND(0.097)	ND(0.097)	ND(0.097)	0.10	0.062 J	0.162
RAA10-N-L19	0-1	11/16/2004	ND(0.095)	ND(0.095)	ND(0.095)	ND(0.095)	ND(0.095)	0.45	0.15	0.60
RAA10-N-L19.5	0-1	11/16/2004	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	0.89	0.21	1.1
RAA10-N-LM16	0-1	11/15/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	1.2	0.57	1.77
RAA10-N-LM16.5	0-1	11/15/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	0.80	0.72	1.52
RAA10-N-LM17	0-1	11/15/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	2.2	0.98	3.18
RAA10-N-LM17.5	0-1	11/16/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	0.65	0.61	1.26
RAA10-N-LM18	0-1	11/16/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	0.82	0.77	1.59
RAA10-N-LM18.5	0-1	11/16/2004	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
RAA10-N-LM19	0-1	11/16/2004	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)
RAA10-N-LM19.5	0-1	11/16/2004	ND(0.099)	ND(0.099)	ND(0.099)	ND(0.099)	ND(0.099)	0.082 J	0.075 J	0.157 J
RAA10-N-LM20	0-1	11/16/2004	ND(0.091)	ND(0.091)	ND(0.091)	ND(0.091)	ND(0.091)	0.44	0.22	0.66
RAA10-N-M15.5	0-1	11/15/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	1.8	2.0	3.8
RAA10-N-M16*	0-1	10/28/2003	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	0.86	0.54	1.4
RAA10-N-M16.5	0-1	11/15/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.0	0.85	1.85
RAA10-N-M17	0-1	11/16/2004	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	0.69	0.59	1.28
RAA10-N-M17.5	0-1	11/16/2004	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	0.13 J	0.074 J	0.204 J
RAA10-N-M18	0-1	10/28/2003	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	0.49	ND(0.17)	0.49

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Northern Inundated (Palustrine/Emergent) Wetland Area (continued)										
RAA10-N-M18.5	0-1	11/16/2004	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	0.21	0.16	0.37
RAA10-N-M19	0-1	11/16/2004	ND(0.086)	ND(0.086)	ND(0.086)	ND(0.086)	ND(0.086)	0.36	0.14	0.50
RAA10-N-M19.5	0-1	11/16/2004	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	0.61	0.26	0.87
RAA10-N-M20	0-1	10/28/2003	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	0.32	0.32
RAA10-N-M20.5	0-1	11/16/2004	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	0.21	0.023 J	0.233
RAA10-N-MN15.5	0-1	11/15/2004	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	1.1	2.0	3.1
RAA10-N-MN16*	0-1	11/15/2004	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	0.60	0.72	1.32
RAA10-N-MN16.5*	0-1	11/15/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.7	1.6	3.3
RAA10-N-MN17	0-1	11/16/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	2.0	1.8	3.8
RAA10-N-MN17.5	0-1	11/16/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	1.5	1.6	3.1
RAA10-N-MN18	0-1	11/16/2004	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	0.21	0.71	0.43	1.35
RAA10-N-MN18.5	0-1	11/16/2004	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	0.20	0.55	0.42	1.17
RAA10-N-MN19	0-1	11/16/2004	ND(0.093)	ND(0.093)	ND(0.093)	ND(0.093)	ND(0.093)	0.14	0.12	0.26
RAA10-N-MN19.5	0-1	11/16/2004	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	0.46	0.25	0.71
RAA10-N-MN20	0-1	11/16/2004	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	0.53	0.15	0.68
RAA10-N-MN20.5	0-1	11/16/2004	ND(0.067) [ND(0.080)]	ND(0.067) [ND(0.080)]	ND(0.067) [ND(0.080)]	ND(0.067) [ND(0.080)]	ND(0.067) [ND(0.080)]	0.071 [0.14]	0.027 J [0.042 J]	0.098 [0.182]
RAA10-N-MN21	0-1	11/16/2004	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.079)	0.096	0.084	0.18
RAA10-N-N16.5*	0-1	11/15/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.6	1.7	3.3
RAA10-N-N17*	0-1	11/15/2004	ND(0.21) [ND(0.23)]	ND(0.21) [ND(0.23)]	ND(0.21) [ND(0.23)]	ND(0.21) [ND(0.23)]	ND(0.21) [ND(0.23)]	2.0 [1.8]	1.4 [1.1]	3.4 [2.9]
RAA10-N-N17.5*	0-1	11/17/2004	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	0.74	0.55	1.29
RAA10-N-N19	0-1	11/17/2004	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	0.74	0.39	1.13
RAA10-N-N19.5	0-1	11/17/2004	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	0.20	0.12	0.32
RAA10-N-N20	0-1	11/17/2004	ND(0.086)	ND(0.086)	ND(0.086)	ND(0.086)	ND(0.086)	0.12	0.073 J	0.193
RAA10-N-N20.5	0-1	11/17/2004	ND(0.079) [ND(0.080)]	ND(0.079) [ND(0.080)]	ND(0.079) [ND(0.080)]	ND(0.079) [ND(0.080)]	ND(0.079) [ND(0.080)]	0.14 [0.12]	0.16 [0.14]	0.30 [0.26]
RAA10-N-N21	0-1	11/17/2004	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	0.066 J	0.11	0.176
RAA10-N-NO16.5*	0-1	11/15/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.56	1.7	1.7	3.96
RAA10-N-NO17*	0-1	11/15/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.24	0.18 J	0.42
RAA10-N-NO17.5*	0-1	11/15/2004	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	0.85	4.5	2.8	8.15
RAA10-N-NO19.5	0-1	11/17/2004	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	0.24	0.52	0.72	1.48
RAA10-N-NO20	0-1	11/17/2004	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	0.13	0.096	0.226
RAA10-N-NO20.5	0-1	11/17/2004	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	0.18	0.18	0.36
RAA10-N-NO21	0-1	11/17/2004	ND(0.083)	ND(0.083)	ND(0.083)	ND(0.083)	ND(0.083)	0.13	0.12	0.25
RAA10-N-NO21.5	0-1	11/17/2004	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	0.052 J	0.057 J	0.109 J
RAA10-N-O18*	0-1	10/28/2003	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	0.81	3.4	3.1	7.31
RAA10-N-O20	0-1	10/28/2003	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	0.51	0.51
RAA10-N-O20.5	0-1	11/17/2004	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	0.14	0.16	0.30
RAA10-N-O21	0-1	11/17/2004	ND(0.085)	ND(0.085)	ND(0.085)	ND(0.085)	ND(0.085)	0.13	0.17	0.30
RAA10-N-O21.5	0-1	11/17/2004	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	0.081	0.11	0.191
RAA10-N-O22	0-1	10/28/2003	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)
RAA10-N-OP20	0-1	11/17/2004	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	0.23	0.12	0.35
RAA10-N-OP20.5	0-1	11/17/2004	ND(0.083)	ND(0.083)	ND(0.083)	ND(0.083)	ND(0.083)	0.38	0.16	0.54
RAA10-N-OP21	0-1	11/17/2004	ND(0.087)	ND(0.087)	ND(0.087)	ND(0.087)	ND(0.087)	0.28	0.17	0.45
RAA10-N-OP21.5	0-1	11/17/2004	ND(0.088)	ND(0.088)	ND(0.088)	ND(0.088)	ND(0.088)	ND(0.088)	0.033 J	0.033 J
RAA10-N-OP22	0-1	11/17/2004	ND(0.082)	ND(0.082)	ND(0.082)	ND(0.082)	ND(0.082)	0.14	0.098	0.238
RAA10-N-P20	0-1	11/18/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	1.6	1.4	3.0
RAA10-N-P20.5	0-1	11/18/2004	ND(0.085)	ND(0.085)	ND(0.085)	ND(0.085)	ND(0.085)	0.22	0.14	0.36
RAA10-N-P21	0-1	11/18/2004	ND(0.093)	ND(0.093)	ND(0.093)	ND(0.093)	ND(0.093)	0.44	0.12	0.56
RAA10-N-P21.5	0-1	11/18/2004	ND(0.098) J	ND(0.098) J	ND(0.098) J	ND(0.098) J	ND(0.098) J	0.18 J	0.082 J	0.262 J
RAA10-N-P22	0-1	11/18/2004	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	0.11	0.057 J	0.167

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Northern Inundated (Palustrine/Emergent) Wetland Area (continued)										
RAA10-N-P22.5	0-1	11/18/2004	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	0.054 J	0.054 J	0.108 J
RAA10-N-PQ20	0-1	11/18/2004	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	0.89	1.7	0.92	3.51
RAA10-N-PQ20.5	0-1	11/18/2004	ND(0.13) [ND(0.14)]	ND(0.13) [ND(0.14)]	ND(0.13) [ND(0.14)]	ND(0.13) [ND(0.14)]	0.91 [0.59]	2.1 [1.4]	1.0 [0.70]	4.01 [2.69]
RAA10-N-PQ21	0-1	11/18/2004	ND(0.090)	ND(0.090)	ND(0.090)	ND(0.090)	ND(0.090)	0.29	0.19	0.48
RAA10-N-PQ21.5	0-1	11/18/2004	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	0.22	0.20	0.42
RAA10-N-PQ22	0-1	11/18/2004	ND(0.090)	ND(0.090)	ND(0.090)	ND(0.090)	ND(0.090)	0.12	0.060 J	0.18
RAA10-N-PQ22.5	0-1	11/18/2004	ND(0.082)	ND(0.082)	ND(0.082)	ND(0.082)	ND(0.082)	0.077 J	0.080 J	0.157 J
RAA10-N-Q18.5*	0-1	3/25/2004	ND(7.6)	ND(7.6)	ND(7.6)	ND(7.6)	ND(7.6)	44	48	92
	1-3	3/25/2004	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)	1.5	1.2	2.7
	3-6	3/25/2004	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)	2.7	2.2	4.9
	6-15	3/25/2004	ND(0.099)	ND(0.099)	ND(0.099)	ND(0.099)	ND(0.099)	0.21	0.20	0.41
RAA10-N-Q20	0-1	10/28/2003	ND(0.25) J	ND(0.25) J	ND(0.25) J	ND(0.25) J	ND(0.25) J	3.4 J	1.6 J	5.0 J
RAA10-N-Q20.5	0-1	11/18/2004	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	0.38	0.49	0.23	1.1
RAA10-N-Q21	0-1	11/18/2004	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	0.23	0.64	0.32	1.19
RAA10-N-Q21.5	0-1	11/18/2004	ND(0.085)	ND(0.085)	ND(0.085)	ND(0.085)	ND(0.085)	0.31	0.14	0.45
RAA10-N-Q22	0-1	10/28/2003	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	0.33	0.33
RAA10-N-Q22.5	0-1	11/18/2004	ND(0.090)	ND(0.090)	ND(0.090)	ND(0.090)	ND(0.090)	ND(0.090)	0.18	0.18
RAA10-N-QR20.5	0-1	11/18/2004	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	3.1	2.3	1.6	7.0
RAA10-N-QR21	0-1	11/18/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.5	5.0	1.6	8.1
RAA10-N-QR21.5	0-1	11/18/2004	ND(0.082)	ND(0.082)	ND(0.082)	ND(0.082)	ND(0.082)	0.45	0.13	0.58
RAA10-N-QR22	0-1	11/18/2004	ND(0.092)	ND(0.092)	ND(0.092)	ND(0.092)	ND(0.092)	0.14	0.12	0.26
RAA10-N-QR22.5	0-1	11/18/2004	ND(0.082)	ND(0.082)	ND(0.082)	ND(0.082)	ND(0.082)	0.44	0.16	0.60
RAA10-N-R21	0-1	11/19/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.22	0.37	0.19	0.78
RAA10-N-R21.5	0-1	11/19/2004	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	0.36	0.19	0.55
RAA10-N-R22	0-1	11/19/2004	ND(0.12) [ND(0.11)]	ND(0.12) [ND(0.11)]	ND(0.12) [ND(0.11)]	ND(0.12) [ND(0.11)]	ND(0.12) [ND(0.11)]	0.79 [0.56]	0.54 [0.38]	1.33 [0.94]
RAA10-N-R22.5	0-1	11/19/2004	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	0.63	0.42	1.05
RAA10-N-RS21	0-1	11/19/2004	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	2.5	1.9	1.8	6.2
RAA10-N-RS21.5	0-1	11/19/2004	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	0.37	1.8	0.97	3.14
RAA10-N-RS22	0-1	11/19/2004	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	0.57	1.1	0.50	2.17
RAA10-N-RS22.5	0-1	11/19/2004	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	0.46	0.33	0.79
RAA10-N-RS23	0-1	11/19/2004	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.079)	0.24	0.16	0.40
RAA10-N-S20*	0-1	10/28/2003	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	5.8	3.6	1.5	10.9
RAA10-N-S21.5	0-1	11/19/2004	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	0.67	1.4	0.72	2.79
RAA10-N-S22	0-1	10/28/2003	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	0.55	0.27	0.82
RAA10-N-S22.5	0-1	11/19/2004	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	0.36	0.25	0.61
RAA10-N-S23	0-1	11/19/2004	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)	0.18	0.13	0.31
RAA10-N-ST21.5	0-1	11/22/2004	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	2.6	3.8	2.4	8.8
RAA10-N-ST22	0-1	11/22/2004	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	0.31	1.2	0.85	2.36
RAA10-N-ST22.5	0-1	11/22/2004	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	0.26	0.78	0.50	1.54
RAA10-N-ST23	0-1	11/22/2004	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	0.094 J	0.53	0.37	0.994
RAA10-N-T19.5*	0-1	3/25/2004	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	39	6.0	45
	1-3	3/25/2004	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	10	2.5	12.5
	3-6	3/25/2004	ND(0.64)	ND(0.64)	ND(0.64)	ND(0.64)	ND(0.64)	18	5.3	23.3
	6-15	3/25/2004	ND(0.098)	ND(0.098)	ND(0.098)	ND(0.098)	ND(0.098)	1.0	0.66	1.66
RAA10-N-T21.5	0-1	11/22/2004	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	2.6	2.8	2.0	7.4
RAA10-N-T22	0-1	11/22/2004	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	1.3	2.6	1.5	5.4
RAA10-N-T22.5	0-1	11/22/2004	ND(0.093)	ND(0.093)	ND(0.093)	ND(0.093)	0.13	0.44	0.31	0.88
RAA10-N-T23	0-1	11/22/2004	ND(0.094)	ND(0.094)	ND(0.094)	ND(0.094)	ND(0.094)	0.38	0.18	0.56
RAA10-N-T23.5	0-1	1/28/2004	ND(0.098)	ND(0.098)	ND(0.098)	ND(0.098)	ND(0.098)	ND(0.098)	0.17	0.17

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Northern Inundated (Palustrine/Emergent) Wetland Area (continued)										
RAA10-N-TU21.5	0-1	11/22/2004	ND(0.13) [R]	ND(0.13) [R]	ND(0.13) [R]	ND(0.13) [R]	0.64 J [0.25 J]	1.2 J [0.37 J]	0.72 J [0.23 J]	2.56 J [0.85 J]
RAA10-N-TU22	0-1	11/22/2004	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	1.4	2.9	1.4	5.7
RAA10-N-TU22.5	0-1	11/22/2004	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	0.17	0.90	0.64	1.71
RAA10-N-TU23	0-1	11/22/2004	ND(0.091)	ND(0.091)	ND(0.091)	ND(0.091)	ND(0.091)	0.32	0.18	0.50
RAA10-N-U20*	0-1	10/28/2003	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	5.3	3.4	2.5	11.2
RAA10-N-U21.5	0-1	11/22/2004	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	1.5	1.5	0.80	3.8
RAA10-N-U22	0-1	10/28/2003	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	3.7	1.9	0.80	6.4
RAA10-N-U22.5	0-1	11/22/2004	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	0.98	1.2	0.59	2.77
RAA10-N-U23	0-1	11/22/2004	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	0.32	1.3	0.91	2.53
RAA10-N-UV21.5	0-1	11/23/2004	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	3.3	1.5	1.2	6.0
RAA10-N-UV22	0-1	11/23/2004	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	4.0	3.9	2.8	10.7
RAA10-N-UV22.5	0-1	11/23/2004	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	2.4	4.7	2.9	10
RAA10-N-UV23	0-1	11/23/2004	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	0.63	0.43	1.06
RAA10-N-V21.5*	0-1	11/23/2004	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	3.9	2.9	2.1	8.9
RAA10-N-V22*	0-1	11/23/2004	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	2.1	1.9	1.7	5.7
RAA10-N-V22.5*	0-1	11/23/2004	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	0.85	1.2	0.77	2.82
RAA10-N-VW21.5*	0-1	11/23/2004	ND(0.53)	ND(0.53)	ND(0.53)	ND(0.53)	6.1	4.6	3.0	13.7
RAA10-N-VW22*	0-1	11/23/2004	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	3.8	4.0	2.1	9.9
RAA10-N-VW22.5*	0-1	11/23/2004	ND(0.62) [ND(0.13)]	ND(0.62) [ND(0.13)]	ND(0.62) [ND(0.13)]	ND(0.62) [ND(0.13)]	4.1 J [2.2 J]	7.6 J [3.5 J]	4.6 J [2.4 J]	16.3 J [8.1 J]
RAA10-N-VW23	0-1	11/23/2004	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	0.91	3.8	1.9	6.61
RAA10-N-W20*	0-1	10/28/2003	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	30	23	9.5	62.5
RAA10-N-W21.5*	0-1	11/23/2004	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	3.2	2.8	2.8	8.8
RAA10-N-W22*	0-1	10/28/2003	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	4.1	2.8	0.92	7.82
RAA10-N-W22.5*	0-1	11/23/2004	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	2.5	1.4	0.65	4.55
RAA10-N-W23	0-1	11/23/2004	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	1.2	4.2	2.4	7.8
RAA10-N-X23.5	0-1	1/28/2004	ND(0.078)	ND(0.078)	ND(0.078)	0.080	ND(0.078)	0.55	0.29	0.92
RAA10-N-Y22*	0-1	10/28/2003	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	17	9.6	6.2	32.8
RAA10-N-Y24	0-1	1/14/2004	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.079)	0.82	0.50	1.32
Southern Inundated (Palustrine/Emergent) Wetland Area										
RAA10-N-CC24	0-1	10/28/2003	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.48	0.67	1.15
RAA10-N-DD25	0-1	1/28/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
RAA10-N-EE24*	0-1	10/28/2003	ND(0.77)	ND(0.77)	ND(0.77)	ND(0.77)	4.2	7.8	4.9	16.9
RAA10-N-FF23.5	0-1	1/28/2004	ND(0.74)	ND(0.74)	ND(0.74)	6.0	ND(0.74)	21	11	38
Parcel L12-3-1										
RAA10-N-EE27	0-1	1/14/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.16	0.18	0.34
RAA10-N-U28	0-1	1/13/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
Parcel L12-1-5										
RAA10-E-R12	0-1	10/6/2004	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	52	8.5	60.5
	1-3	10/6/2004	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	230	ND(20)	230
	3-6	10/6/2004	ND(98)	ND(98)	ND(98)	ND(98)	ND(98)	1800	ND(98)	1800
	6-15	10/6/2004	ND(2.7)	ND(2.7)	ND(2.7)	ND(2.7)	ND(2.7)	21	ND(2.7)	21
RAA10-E-S11	0-1	10/7/2004	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	16	ND(0.72)	16
RAA10-E-S12	0-1	10/7/2004	ND(0.77)	ND(0.77)	ND(0.77)	ND(0.77)	ND(0.77)	15	ND(0.77)	15
RAA10-E-T10	0-1	10/6/2004	ND(3.9)	ND(3.9)	ND(3.9)	ND(3.9)	ND(3.9)	140	ND(3.9)	140
	1-3	10/6/2004	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	150	35	185
	3-6	10/6/2004	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	3.8	ND(0.39)	3.8
	6-15	10/6/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.23	0.025 J	0.255
RAA10-E-T11	0-1	10/7/2004	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	730	ND(20)	730

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-1-5 (continued)										
RAA10-E-T12	0-1	10/6/2004	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	250	ND(20)	250
	1-3	10/6/2004	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	130	31	161
	3-6	10/6/2004	ND(38)	ND(38)	ND(38)	ND(38)	ND(38)	500	ND(38)	500
	6-15	10/6/2004	ND(21)	ND(21)	ND(21)	ND(21)	ND(21)	310	32	342
RAA10-E-U10	0-1	10/11/2004	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	84	ND(3.8)	84
RAA10-E-U11	0-1	10/7/2004	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	7.5	1.8	9.3
RAA10-E-U12	0-1	10/7/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	2.8	1.2	4.0
RAA10-E-V9	0-1	10/11/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	5.2	2.8	8.0
RAA10-E-V10	0-1	10/5/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	3.0	2.3	5.3
	1-3	10/5/2004	ND(18)	ND(18)	ND(18)	ND(18)	ND(18)	920	160	1080
	3-6	10/5/2004	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	94	21	115
	6-15	10/5/2004	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	1.2	0.18	1.38
RAA10-E-V11	0-1	10/11/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	6.1	1.4	7.5
RAA10-E-V12	0-1	10/5/2004	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	4.7	14	18.7
	1-3	10/5/2004	ND(0.78)	ND(0.78)	ND(0.78)	ND(0.78)	ND(0.78)	22	8.3	30.3
	3-6	10/5/2004	ND(200)	ND(200)	ND(200)	ND(200)	ND(200)	2100	ND(200)	2100
	6-15	10/5/2004	ND(220)	ND(220)	ND(220)	ND(220)	ND(220)	1600	ND(220)	1600
RAA10-E-W9	0-1	10/11/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.4	2.9	4.3
RAA10-E-W10	0-1	10/11/2004	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)]	0.19 [0.24]	0.053 [0.071]	0.243 [0.311]
RAA10-E-W11	0-1	10/11/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.83	0.17	1.0
RAA10-E-W12	0-1	10/11/2004	ND(0.79)	ND(0.79)	ND(0.79)	ND(0.79)	ND(0.79)	4.0	10	14
RAA10-E-X8	0-1	10/5/2004	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	18	47	65
	1-3	10/5/2004	ND(0.36) [ND(0.18)]	ND(0.36) [ND(0.18)]	ND(0.36) [ND(0.18)]	ND(0.36) [ND(0.18)]	ND(0.36) [ND(0.18)]	5.3 J [2.6 J]	3.5 J [1.9 J]	8.8 J [4.5 J]
	3-6	10/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.021 J	0.021 J
	6-15	10/5/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-E-X9	0-1	10/11/2004	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	4.0	ND(0.73)	4.0
RAA10-E-X10	0-1	9/30/2004	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	110	52	162
	1-3	9/30/2004	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	40	8.4	48.4
	3-6	9/30/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.30	0.13	0.43
	6-15	9/30/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	2.1	2.5	4.6
RAA10-E-X11	0-1	10/11/2004	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	28	6.0	34
RAA10-E-X12	0-1	9/30/2004	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	4.5	6.4	10.9
	1-3	9/30/2004	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	15	27	42
	3-6	9/30/2004	ND(0.78)	ND(0.78)	ND(0.78)	ND(0.78)	ND(0.78)	6.4	4.0	10.4
	6-15	9/30/2004	ND(0.045) [ND(0.24)]	ND(0.045) [ND(0.24)]	ND(0.045) [ND(0.24)]	ND(0.045) [ND(0.24)]	ND(0.045) [ND(0.24)]	1.2 J [10 J]	0.48 J [8.7 J]	1.68 J [18.7 J]
Parcel L12-1-4										
RAA10-E-AA6	0-1	10/13/2004	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	25	25
RAA10-E-AA7	0-1	2/25/2005	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	0.35 [0.33]	0.95 [0.86]	1.3 [1.19]
RAA10-E-AA10	0-1	2/25/2005	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	2.4	2.8	5.2
RAA10-E-AA11	0-1	10/13/2004	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	48	12	60
RAA10-E-AA12	0-1	10/15/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.49	0.59	1.08
RAA10-E-BB7	0-1	10/15/2004	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	45	45
RAA10-E-BB9	0-1	10/15/2004	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	5.2	10	15.2
RAA10-E-BB10	0-1	10/14/2004	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	71	71
	1-3	10/14/2004	ND(37)	ND(37)	ND(37)	ND(37)	ND(37)	ND(37)	290	290
	3-6	10/14/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.10	0.053	0.153
	6-15	10/14/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.033 J	ND(0.047)	0.033 J
RAA10-E-BB11	0-1	2/25/2005	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	3.8	1.9	5.7

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-1-4 (continued)										
RAA10-E-BB12	0-1	10/14/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.16	0.21	0.37
	1-3	10/14/2004	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	89	89
	3-4	10/14/2004	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	83	83
RAA10-E-CC8	0-1	10/19/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.65	1.2	1.85
RAA10-E-CC9	0-1	2/25/2005	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	14	14
RAA10-E-CC10	0-1	10/19/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.30	0.24	0.54
RAA10-E-CC11	0-1	2/23/2005	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	9.7	9.7
RAA10-E-DD10	0-1	2/9/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	1-3	2/9/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.59	0.59
	3-6	2/9/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.54	0.28	0.82
	6-15	2/9/2005	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.52	0.41	0.93
RAA10-E-DD11	0-1	2/24/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	1.2	1.2
RAA10-E-DD12	0-1	2/16/2005	ND(0.19) [ND(0.19)]	ND(0.19) [ND(0.19)]	ND(0.19) [ND(0.19)]	ND(0.19) [ND(0.19)]	ND(0.19) [ND(0.19)]	ND(0.19) [ND(0.19)]	5.6 J [3.1 J]	5.6 J [3.1 J]
	1-3	2/16/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.32 J	0.32 J
	3-6	2/16/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.11	0.26	0.37
RAA10-E-EE11	0-1	2/23/2005	ND(2.0) [ND(2.1)]	ND(2.0) [ND(2.1)]	ND(2.0) [ND(2.1)]	ND(2.0) [ND(2.1)]	ND(2.0) [ND(2.1)]	16 [16]	31 [33]	47 [49]
RAA10-E-EE12	0-1	2/23/2005	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	7.6	7.6
RAA10-E-Y7	0-1	10/12/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.20	0.20
RAA10-E-Y8	0-1	10/12/2004	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	3.1	7.4	10.5
RAA10-E-Y9	0-1	2/25/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.047	ND(0.040)	0.047
RAA10-E-Y10	0-1	10/12/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	1.1	0.34	1.44
RAA10-E-Y11	0-1	10/12/2004	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	79	17	96
RAA10-E-Y12	0-1	10/12/2004	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	6.6	7.1	13.7
RAA10-E-Z6	0-1	10/13/2004	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)]	0.070 [0.096]	0.070 [0.096]
	1-3	10/13/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.12	0.12
	3-6	10/13/2004	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	14	6.8	20.8
	6-15	10/13/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.33	0.18	0.51
RAA10-E-Z7	0-1	10/13/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	4.8	4.6	9.4
RAA10-E-Z9	0-1	10/15/2004	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	64	ND(3.8)	64
RAA10-E-Z10	0-1	10/4/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.016 J	ND(0.036)	0.016 J
	1-3	10/4/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	1.3	1.2	2.5
	3-6	10/4/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.5	5.8	7.3
	6-15	10/4/2004	ND(4.5)	ND(4.5)	ND(4.5)	ND(4.5)	ND(4.5)	120	48	168
RAA10-E-Z11	0-1	10/12/2004	ND(1.7)	ND(1.7)	ND(1.7)	ND(1.7)	ND(1.7)	46	17	63
RAA10-E-Z12	0-1	10/13/2004	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	5.8	11	16.8
	1-3	10/13/2004	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	6.5	11	17.5
	3-6	10/13/2004	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	4.6	4.2	8.8
	6-15	10/13/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.56	0.17	0.73
Parcel L12-1-101										
RAA10-E-BB6	0-1	10/14/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.48	0.36	0.84
	1-3	10/14/2004	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	14	28	42
	3-6	10/14/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.48	0.75	1.23
	6-15	10/14/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.026 J	0.025 J	0.051 J
RAA10-E-CC4	0-1	10/19/2004	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	6.1	15	21.1
RAA10-E-CC5	0-1	10/19/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	1.3	3.4	4.7
RAA10-E-CC6	0-1	10/19/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.41	0.75	1.16
RAA10-E-CC7	0-1	10/19/2004	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	22	22

TABLE A-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	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-1-101 (continued)										
RAA10-E-DD4	0-1	2/15/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.81	1.8	2.61
	1-3	2/15/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.39	0.96	1.35
	3-6	2/15/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.19	0.23	0.42
	6-15	2/15/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-E-DD5	0-1	10/19/2004	ND(1.9) [ND(1.9)]	ND(1.9) [ND(1.9)]	ND(1.9) [ND(1.9)]	ND(1.9) [ND(1.9)]	ND(1.9) [ND(1.9)]	37 [31]	ND(1.9) J [7.0 J]	37 [38]
RAA10-E-DD6	0-1	2/15/2005	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	4.1	4.1
	1-3	2/15/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.28	0.71	0.99
	3-6	2/15/2005	ND(0.84)	ND(0.84)	ND(0.84)	ND(0.84)	ND(0.84)	8.5	19	27.5
	6-15	2/15/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.051	0.028 J	0.079
RAA10-E-DD7	0-1	10/19/2004	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	5.0	10	15
RAA10-E-DD8	0-1	2/9/2005	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	14	14
	1-3	2/9/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	1.6	0.76	2.36
	3-6	2/9/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.016 J	0.016 J
	6-15	2/9/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.030 J	0.037 J	0.067 J
RAA10-E-DD9	0-1	2/9/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.042	0.072	0.114
RAA10-E-EE3	0-1	2/17/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.48	0.89	1.37
RAA10-E-EE4	0-1	2/16/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.028 J	0.046	0.074
	1-3	2/16/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.027 J	0.026 J	0.053 J
	3-6	2/16/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	6-15	2/16/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-E-EE5	0-1	2/17/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.14	0.27	0.41
RAA10-E-EE6	0-1	10/19/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	2.0	2.4	4.4
RAA10-E-EE7	0-1	10/19/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-EE8	0-1	10/19/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.26	0.17	0.43
RAA10-E-EE9	0-1	2/9/2005	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.28	0.28
RAA10-E-EE10	0-1	2/9/2005	ND(0.76)	ND(0.76)	ND(0.76)	ND(0.76)	ND(0.76)	ND(0.76)	14	14
RAA10-E-FF2	0-1	2/16/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.48	0.46	0.94
	1-3	2/16/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.42	0.96	1.38
	3-6	2/16/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	2/16/2005	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]
RAA10-E-FF3	0-1	2/17/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.015 J	0.015 J
RAA10-E-FF4	0-1	2/15/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.099	0.12	0.219
	1-3	2/15/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.14	0.17	0.31
	3-6	2/15/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.038 J	0.038 J
	6-15	2/15/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-E-FF5	0-1	2/17/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.19	0.39	0.58
RAA10-E-FF6	0-1	2/15/2005	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	0.47 [0.47]	0.36 [0.42]	0.83 [0.89]
	1-3	2/15/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.15	0.12	0.27
	3-6	2/15/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	1.2	0.32	1.52
	6-15	2/15/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.93	0.50	1.43
RAA10-E-FF7	0-1	2/9/2005	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	6.8	2.9	9.7
RAA10-E-FF8	0-1	2/16/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.023 J	0.023 J
	1-3	2/16/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.99	1.0	1.99
	3-6	2/16/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	2/16/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-E-FF9	0-1	2/10/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.26	0.41	0.67

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-1-101 (continued)										
RAA10-E-FF10	0-1	2/9/2005	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	3.7	5.5	9.2
	1-3	2/9/2005	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	1.5	2.8	4.3
	3-6	2/9/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	2/9/2005	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	88	ND(2.2)	88
RAA10-E-FF11	0-1	2/23/2005	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	26	45	71
RAA10-E-GG5	0-1	2/18/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.83	0.38	1.21
RAA10-E-GG6	0-1	2/18/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.32	0.48	0.80
RAA10-E-GG7	0-1	2/18/2005	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	2.4	2.4
RAA10-E-GG8	0-1	2/18/2005	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	6.0	2.1	8.1
RAA10-E-GG9	0-1	2/9/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.019 J	0.023 J	0.042 J
RAA10-E-GG10	0-1	2/10/2005	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.67	0.32	0.99
RAA10-E-GG11	0-1	2/23/2005	ND(0.84)	ND(0.84)	ND(0.84)	ND(0.84)	ND(0.84)	ND(0.84)	18	18
RAA10-E-HH4	0-1	2/17/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	1.7	1.7
	1-3	2/17/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.35	0.35
	3-6	2/17/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.026 J	0.026 J
	6-15	2/17/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-E-HH5	0-1	2/17/2005	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.26 J	0.15 J	0.41 J
RAA10-E-HH6	0-1	2/17/2005	ND(0.42)	ND(0.42)	ND(0.42)	ND(0.42)	ND(0.42)	ND(0.42)	7.1	7.1
	1-3	2/17/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.68	0.68
	3-6	2/17/2005	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.024 J	ND(0.035)	0.024 J
	6-15	2/17/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-E-HH7	0-1	2/18/2005	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	20	20
RAA10-E-HH9	0-1	2/10/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.064	0.064
RAA10-E-HH10	0-1	2/10/2005	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.4	2.3	3.7
	1-3	2/10/2005	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	1.8	4.3	6.1
	3-6	2/10/2005	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.059	0.098	0.157
	6-15	2/10/2005	ND(0.42)	ND(0.42)	ND(0.42)	ND(0.42)	ND(0.42)	3.9	ND(0.42)	3.9
RAA10-E-HH11	0-1	2/24/2005	ND(22)	ND(22)	ND(22)	ND(22)	ND(22)	74	73	147
RAA10-E-II4	0-1	2/17/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.36	0.36
RAA10-E-II5	0-1	2/17/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.073	0.094	0.167
RAA10-E-II6	0-1	2/17/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.58	0.58
RAA10-E-II7	0-1	2/18/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.64	0.60	1.24
RAA10-E-II8	0-1	2/17/2005	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	53	100	153
RAA10-E-II10	0-1	2/10/2005	ND(0.36) [ND(0.36)]	ND(0.36) [ND(0.36)]	ND(0.36) [ND(0.36)]	ND(0.36) [ND(0.36)]	ND(0.36) [ND(0.36)]	3.3 [3.0]	2.5 [2.2]	5.8 [5.2]
RAA10-E-JJ5	0-1	2/17/2005	R	R	R	R	R	0.035 J	0.13 J	0.16 J
RAA10-E-JJ6	0-1	2/17/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.24	0.54	1.1	1.88
	1-3	2/17/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.18	0.54	0.72
	3-6	2/17/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.13	0.31	0.44
	6-15	2/17/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.088	ND(0.039)	0.088
RAA10-E-JJ7	0-1	2/18/2005	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	3.4	3.4
RAA10-E-JJ8	0-1	2/11/2005	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	19	ND(0.39)	19
	1-3	2/11/2005	ND(4.1)	ND(4.1)	ND(4.1)	ND(4.1)	ND(4.1)	70	17	87
	3-6	2/11/2005	ND(4.2)	ND(4.2)	ND(4.2)	ND(4.2)	ND(4.2)	20	ND(4.2)	20
	6-15	2/11/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.052	0.022 J	0.074
RAA10-E-JJ9	0-1	2/18/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.056	0.060	0.116
RAA10-E-JJ10	0-1	2/10/2005	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	1.8	3.1	4.9
	1-3	2/10/2005	ND(0.71)	ND(0.71)	ND(0.71)	ND(0.71)	ND(0.71)	13	9.1	22.1
	3-6	2/10/2005	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	1.6	1.0	2.6
	6-15	2/10/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.69	0.64	1.33

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-1-101 (continued)										
RAA10-E-KK5.5	0-1	3/9/2007	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	2.7	1.2	3.9
RAA10-E-KK6	0-1	2/11/2005	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	2.4	4.7	7.1
RAA10-E-KK7	0-1	2/11/2005	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	9.1	9.1
RAA10-E-KK8	0-1	2/11/2005	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	2.0	1.8	3.8
RAA10-E-KK9	0-1	2/10/2005	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	2.2	2.2
RAA10-E-KK10	0-1	2/10/2005	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	4.6	4.6
RAA10-E-KKLL6.5	0-1	8/30/2007	ND(0.31) J	ND(0.31) J	ND(0.31) J	ND(0.31) J	ND(0.31) J	0.46 J	1.4 J	1.86 J
RAA10-E-LL6.5	0-1	3/9/2007	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	0.015 J	0.038	0.053
RAA10-E-LL7	0-1	2/18/2005	ND(0.037) [ND(0.18)]	ND(0.037) [ND(0.18)]	ND(0.037) [ND(0.18)]	ND(0.037) [ND(0.18)]	ND(0.037) [ND(0.18)]	0.68 [0.98]	1.3 J [2.4 J]	1.98 J [3.38 J]
RAA10-E-LL8	0-1	2/10/2005	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	70	70
	1-3	2/10/2005	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	3.2	3.2
	3-6	2/10/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.068	0.068
	6-15	2/10/2005	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-LL9	0-1	2/10/2005	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	1.0	2.2	3.2
RAA10-E-MM7.5	0-1	3/9/2007	ND(0.31)	ND(0.31)	ND(0.31)	ND(0.31)	ND(0.31)	1.0	1.8	2.8
RAA10-E-MM8	0-1	2/18/2005	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	4.0	8.0	12
RAA10-E-MM9	0-1	2/11/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.12	0.31	0.43
RAA10-E-MMNN8.5	0-1	8/30/2007	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	0.28	0.68	0.96
RAA10-E-NN9	0-1	2/18/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.31	0.82	1.13
UB-UTL-4	1-3	12/23/2008	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	5.7	12	17.7
	3-6	12/23/2008	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	4.2	ND(1.8)	4.2
	6-10	12/23/2008	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
Parcel K11-4-2										
RAA10-E-AA13	0-1	2/23/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.36	0.62	0.98
RAA10-E-AA14	0-1	2/22/2005	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	1.8	1.4	3.2
RAA10-E-BB13	0-1	2/23/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.26	0.68	0.94
RAA10-E-BB14	0-1	2/22/2005	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	40	ND(0.98)	40
	1-3	2/22/2005	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	350	ND(20)	350
	3-6	2/22/2005	ND(22)	ND(22)	ND(22)	ND(22)	ND(22)	280	ND(22)	280
	6-15	2/22/2005	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.29	ND(0.049)	0.29
RAA10-E-DD13	0-1	2/23/2005	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.18	0.18
RAA10-E-FF12	0-1	2/23/2005	ND(0.85)	ND(0.85)	ND(0.85)	ND(0.85)	ND(0.85)	ND(0.85)	29	29
	1-3	2/23/2005	ND(0.77)	ND(0.77)	ND(0.77)	ND(0.77)	ND(0.77)	ND(0.77)	21	21
	3-6	2/23/2005	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	5.7	5.7
	6-15	2/23/2005	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
RAA10-E-GG12	0-1	2/23/2005	ND(0.89)	ND(0.89)	ND(0.89)	ND(0.89)	ND(0.89)	ND(0.89)	16	16
RAA10-E-GG13	0-1	2/22/2005	ND(0.46) [ND(0.42)]	ND(0.46) [ND(0.42)]	ND(0.46) [ND(0.42)]	ND(0.46) [ND(0.42)]	ND(0.46) [ND(0.42)]	12 J [7.0 J]	ND(0.46) [1.9]	12 [8.9]
RAA10-E-II11	0-1	2/24/2005	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	1.9	3.8	5.7
RAA10-E-JJ12	0-1	2/21/2005	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	6.2	2.4	8.6
	1-3	2/21/2005	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.9	0.77	2.67
	3-6	2/21/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.14	0.12	0.26
	6-15	2/21/2005	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
RAA10-E-LL10	0-1	2/11/2005	ND(0.52)	ND(0.52)	ND(0.52)	ND(0.52)	ND(0.52)	ND(0.52)	12	12
	1-3	2/11/2005	ND(21)	ND(21)	ND(21)	ND(21)	ND(21)	ND(21)	240	240
	3-6	2/11/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	1.5	1.5
	6-15	2/11/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.71	0.71
RAA10-E-LL11	0-1	8/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	1.1	0.87	1.97
RAA10-E-MM10	0-1	2/21/2005	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	1.1	2.8	3.9
RAA10-E-MM11	0-1	2/21/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.50	0.48	0.98

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K11-4-2 (continued)										
RAA10-E-N15	0-1	5/19/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	2.9	0.84	3.74
RAA10-E-N16	0-1	5/18/2004	ND(0.38)	ND(0.38)	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)	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)	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)	ND(0.044)	ND(0.044)	0.79	ND(0.044)	0.79
RAA10-E-O14	0-1	2/24/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.40	0.17	0.57
RAA10-E-P14	0-1	2/24/2005	ND(0.77)	ND(0.77)	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)	ND(40)	ND(40)	1300	ND(40)	1300
	3-6	2/24/2005	ND(40)	ND(40)	ND(40)	ND(40)	ND(40)	640	ND(40)	640
	6-15	2/24/2005	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	4.9	ND(0.25)	4.9
RAA10-E-Q13	0-1	10/6/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	1.5	0.78	2.28
RAA10-E-Q14	0-1	2/24/2005	ND(0.78)	ND(0.78)	ND(0.78)	ND(0.78)	ND(0.78)	20	ND(0.78)	20
RAA10-E-R13	0-1	10/6/2004	ND(0.41)	ND(0.41)	ND(0.41)	ND(0.41)	ND(0.41)	11	2.3	13.3
RAA10-E-R14	0-1	2/24/2005	ND(4.0)	ND(4.0)	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)	ND(0.20)	ND(0.20)	2.6	ND(0.20)	2.6
	3-6	2/24/2005	ND(44)	ND(44)	ND(44)	ND(44)	ND(44)	270	ND(44)	270
	6-15	2/24/2005	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.90	ND(0.050)	0.90
RAA10-E-S13	0-1	2/24/2005	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	5.0	2.9	7.9
RAA10-E-T13	0-1	10/7/2004	ND(4.8) [ND(28)]	ND(4.8) [ND(28)]	ND(4.8) [ND(28)]	ND(4.8) [ND(28)]	ND(4.8) [ND(28)]	54 [72]	16 J [36 J]	70 [108]
RAA10-E-T14	0-1	2/24/2005	ND(41)	ND(41)	ND(41)	ND(41)	ND(41)	1500	ND(41)	1500
	1-3	2/24/2005	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	10	ND(0.40)	10
	3-6	2/24/2005	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	3.4	ND(0.21)	3.4
	6-15	2/24/2005	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.58	ND(0.052)	0.58
RAA10-E-U13	0-1	10/11/2004	ND(0.52)	ND(0.52)	ND(0.52)	ND(0.52)	ND(0.52)	6.6	6.0	12.6
RAA10-E-U14	0-1	2/24/2005	ND(40)	ND(40)	ND(40)	ND(40)	ND(40)	810	ND(40)	810
RAA10-E-V13	0-1	10/11/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	1.3	1.2	2.5
RAA10-E-V14	0-1	2/23/2005	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	4.6	1.4	6.0
	1-3	2/23/2005	R	R	R	R	R	1.1 J	0.57 J	1.67 J
	3-6	2/23/2005	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.42	ND(0.044)	0.42
	6-15	2/23/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-E-W13	0-1	10/11/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.18	0.36	0.54
RAA10-E-X13	0-1	10/11/2004	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	37	21	58
RAA10-E-Y13	0-1	10/12/2004	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	20	21	41
RAA10-E-Z13	0-1	10/12/2004	ND(0.037) [ND(0.19)]	ND(0.037) [ND(0.19)]	ND(0.037) [ND(0.19)]	ND(0.037) [ND(0.19)]	ND(0.037) [ND(0.19)]	1.4 J [3.1 J]	1.1 J [2.0 J]	2.5 J [5.1 J]
UB-UTL-6	0-1	12/23/2008	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	0.53	0.59	1.12
	1-3	12/23/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.039	0.043	0.082
	3-6	12/23/2008	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.035 J	0.041	0.076
	6-12	12/23/2008	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	5.1	5.1
UB-UTL-7	1-3	12/22/2008	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	5.4	ND(0.36)	5.4
	3-6	12/22/2008	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	0.049 [0.029 J]	ND(0.038) [ND(0.037)]	0.049 [0.029 J]
	6-12	12/22/2008	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	5.2	5.2
Parcel L12-2-1										
RAA10-E-AA15	0-1	6/7/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.40	0.24	0.64
RAA10-E-AA16	0-1	6/7/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.065	0.17	0.235
RAA10-E-AA17	0-1	6/7/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.063	0.15	0.213
RAA10-E-AA18	0-1	6/7/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.064	0.064
RAA10-E-AA19	0-1	6/7/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.28	0.28
RAA10-E-AA20	0-1	6/7/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.17	0.17
RAA10-E-AA21	0-1	6/7/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.066	0.15	0.216

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-1 (continued)										
RAA10-E-AA22	0-1	6/7/2004	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	0.051 J	0.051 J
RAA10-E-BB16	0-1	6/22/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.052	0.14	0.192
	1-3	6/22/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	3-6	6/22/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	6/22/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-E-BB17	0-1	6/8/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.15	0.52	0.67
RAA10-E-BB18	1-3	6/22/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	3-6	6/22/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	6-15	6/22/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
RAA10-E-BB19	0-1	6/8/2004	ND(0.053) [ND(0.053)]	ND(0.053) [ND(0.053)]	ND(0.053) [ND(0.053)]	ND(0.053) [ND(0.053)]	ND(0.053) [ND(0.053)]	0.18 [ND(0.053)]	0.68 [0.034 J]	0.86 [0.034 J]
RAA10-E-BB20	0-1	6/21/2004	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	0.30	0.18	0.48
	1-3	6/21/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	3-6	6/21/2004	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)
	6-15	6/21/2004	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)
RAA10-E-BB21	0-1	6/8/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.040 J	0.040 J
RAA10-E-BB22	0-1	6/21/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.068	0.068
	1-3	6/21/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	3-6	6/21/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	6-15	6/21/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-E-BB23	0-1	6/8/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
RAA10-E-CC14	0-1	2/22/2005	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	4.6	1.4	6.0
RAA10-E-CC15	0-1	6/9/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.10	0.10
RAA10-E-CC16	0-1	6/9/2004	ND(0.048) [ND(0.056)]	ND(0.048) [ND(0.056)]	ND(0.048) [ND(0.056)]	ND(0.048) [ND(0.056)]	ND(0.048) [ND(0.056)]	0.052 [0.052 J]	0.14 [0.15]	0.192 [0.202]
RAA10-E-CC17	0-1	6/9/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.037 J	0.14	0.177
RAA10-E-CC18	0-1	6/9/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.034 J	0.11	0.144
RAA10-E-CC19	0-1	6/9/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.032 J	0.12	0.152
RAA10-E-CC20	0-1	6/9/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.052 J	0.14	0.192
RAA10-E-CC21	0-1	6/9/2004	ND(0.048) [ND(0.047)]	ND(0.048) [ND(0.047)]	ND(0.048) [ND(0.047)]	ND(0.048) [ND(0.047)]	ND(0.048) [ND(0.047)]	0.036 J [ND(0.047)]	0.058 [ND(0.047)]	0.094 [ND(0.047)]
RAA10-E-CC22	0-1	6/7/2004	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	0.33	0.082	0.412
RAA10-E-CC23	0-1	6/9/2004	ND(0.052) J	ND(0.052) J	ND(0.052) J	ND(0.052) J	ND(0.052) J	0.034 J	0.076 J	0.11 J
RAA10-E-DD14	0-1	2/22/2005	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	1.5	0.60	2.1
	1-3	2/22/2005	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	3-6	2/22/2005	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	6-15	2/22/2005	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)
RAA10-E-DD15	0-1	6/9/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.038 J	0.14	0.178
RAA10-E-DD16	0-1	7/27/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.039 J	0.039 J
	1-3	7/27/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	3-6	7/27/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	6-15	7/27/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-E-DD17	0-1	6/9/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.055	0.055
RAA10-E-DD18	0-1	7/27/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.14	0.14
	1-3	7/27/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	3-6	7/27/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	6-15	7/27/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-E-DD19	0-1	6/9/2004	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	0.12	0.12
RAA10-E-DD20	0-1	6/22/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.049 J	0.18	0.229
	1-3	6/22/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	3-6	6/22/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	6-15	6/22/2004	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)

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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	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-1 (continued)										
RAA10-E-DD21	0-1	6/9/2004	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	0.086	0.086
RAA10-E-DD22	0-1	9/7/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.020 J	0.020 J
	1-3	9/7/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	3-6	9/7/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	6-15	9/7/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-E-DD23	0-1	6/9/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.034 J	0.043 J	0.077 J
RAA10-E-DD24	0-1	9/7/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.058	0.043 J	0.101
	1-3	9/7/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
	3-6	9/7/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	6-15	9/7/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.075	ND(0.040)	0.075
RAA10-E-EE14	0-1	6/9/2004	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	0.60	0.63	1.23
RAA10-E-EE15	0-1	6/10/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.052	0.14	0.192
RAA10-E-EE16	0-1	6/10/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.092	0.092
RAA10-E-EE17	0-1	6/10/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA10-E-EE18	0-1	6/10/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA10-E-EE19	0-1	6/10/2004	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	0.11	0.11
RAA10-E-EE20	0-1	6/10/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
RAA10-E-EE21	0-1	6/21/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
RAA10-E-EE22	0-1	6/21/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.021 J	0.021 J
RAA10-E-EE23	0-1	6/21/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA10-E-EE24	0-1	6/21/2004	ND(0.043) [ND(0.042)]	ND(0.043) [ND(0.042)]	ND(0.043) [ND(0.042)]	ND(0.043) [ND(0.042)]	ND(0.043) [ND(0.042)]	ND(0.043) [ND(0.042)]	ND(0.043) [ND(0.042)]	ND(0.043) [ND(0.042)]
RAA10-E-FF14	0-1	9/8/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.15	ND(0.049)	0.15
	1-3	9/8/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	3-6	9/8/2004	ND(0.056) [ND(0.055)]	ND(0.056) [ND(0.055)]	ND(0.056) [ND(0.055)]	ND(0.056) [ND(0.055)]	ND(0.056) [ND(0.055)]	ND(0.056) [ND(0.055)]	ND(0.056) [ND(0.055)]	ND(0.056) [ND(0.055)]
	6-15	9/8/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-E-FF15	0-1	6/21/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA10-E-FF16	0-1	9/8/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.040 J	0.14	0.18
	1-3	9/8/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	3-6	9/8/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	9/8/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.16	ND(0.039)	0.052	0.021 J	0.233
RAA10-E-FF17	0-1	6/21/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.029 J	0.029 J
RAA10-E-FF18	0-1	9/8/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	1-3	9/8/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	3-6	9/8/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	9/8/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-E-FF19	0-1	6/21/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.035 J	0.035 J
RAA10-E-FF20	0-1	9/7/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.022 J	0.022 J
	1-3	9/7/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	3-6	9/7/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	6-15	9/7/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
RAA10-E-FF21	0-1	6/21/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-FF22	0-1	9/8/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	1-3	9/8/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	3-6	9/8/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	6-15	9/8/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-E-FF23	0-1	6/21/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA10-E-FF24	1-3	9/9/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	3-6	9/9/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	6-15	9/9/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-1 (continued)										
RAA10-E-GG14	0-1	6/30/2004	ND(0.055) [ND(0.054)]	ND(0.055) [ND(0.054)]	ND(0.055) [ND(0.054)]	ND(0.055) [ND(0.054)]	ND(0.055) [ND(0.054)]	0.096 [ND(0.054)]	0.28 [0.28]	0.376 [0.28]
RAA10-E-GG15	0-1	6/30/2004	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	0.11	0.33	0.44
RAA10-E-GG16	0-1	6/30/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.23	0.23
RAA10-E-GG17	0-1	6/30/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.17	0.17
RAA10-E-GG18	0-1	6/30/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.14	0.14
RAA10-E-GG19	0-1	6/30/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.11	0.11
RAA10-E-GG20	0-1	6/30/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.056	0.056
RAA10-E-GG21	0-1	6/30/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.068	0.068
RAA10-E-GG22	0-1	6/30/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.076	0.076
RAA10-E-GG23	0-1	6/30/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.045 J	0.045 J
RAA10-E-GG24	0-1	6/30/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.034 J	0.034 J
RAA10-E-GG25	0-1	6/30/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.064	0.064
RAA10-E-HH13	0-1	7/1/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.23	0.22	0.45
RAA10-E-HH14	0-1	9/9/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.026 J	0.10	0.126
	1-3	9/9/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	3-6	9/9/2004	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)
	6-15	9/9/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
RAA10-E-HH15	0-1	6/30/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.21	0.21
RAA10-E-HH16	0-1	9/9/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.044 J	0.10	0.144
	1-3	9/9/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	3-6	9/9/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	6-15	9/9/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-E-HH17	0-1	6/30/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.18	0.18
RAA10-E-HH18	0-1	12/15/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.049 J	0.12	0.169
	1-3	12/15/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	3-6	12/15/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	6-15	12/15/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-E-HH19	0-1	6/30/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.095	0.095
RAA10-E-HH20	0-1	12/15/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.036 J	0.10	0.136
	1-3	12/15/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.018 J	0.018 J
	3-6	12/15/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	6-15	12/15/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-E-HH21	0-1	6/30/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.047 J	0.047 J
RAA10-E-HH22	0-1	12/15/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.021 J	0.021 J
	1-3	12/15/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	3-6	12/15/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	6-15	12/15/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-E-HH23	0-1	6/30/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.061	0.061
RAA10-E-HH24	1-3	12/28/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	3-6	12/28/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.017 J	0.017 J
	6-15	12/28/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
RAA10-E-HH25	0-1	6/30/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.050	0.050
RAA10-E-HH26	0-1	12/28/2004	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	0.048 J	0.048 J
	1-3	12/28/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	3-6	12/28/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	6-15	12/28/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA10-E-II13	0-1	3/10/2005	ND(0.059) [ND(0.056)]	ND(0.059) [ND(0.056)]	ND(0.059) [ND(0.056)]	ND(0.059) [ND(0.056)]	ND(0.059) [ND(0.056)]	0.25 [0.36]	0.45 [0.62]	0.70 [0.98]
RAA10-E-II14	0-1	7/1/2004	ND(0.072) [ND(0.066)]	ND(0.072) [ND(0.066)]	ND(0.072) [ND(0.066)]	ND(0.072) [ND(0.066)]	ND(0.072) [ND(0.066)]	0.46 [0.59]	0.57 [0.80]	1.03 [1.39]
RAA10-E-II15	0-1	7/1/2004	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	0.23	0.26	0.49

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-1 (continued)										
RAA10-E-II16	0-1	7/1/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.026 J	0.10	0.126
RAA10-E-II17	0-1	7/1/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.057	0.14	0.197
RAA10-E-II18	0-1	7/1/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.025 J	0.078	0.103
RAA10-E-II19	0-1	7/1/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.014 J	0.042 J	0.056 J
RAA10-E-II20	0-1	7/1/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
RAA10-E-II21	0-1	7/1/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
RAA10-E-II23	0-1	7/1/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
RAA10-E-II24	0-1	7/1/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA10-E-II25	0-1	7/1/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-II26	0-1	7/1/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-II27	0-1	7/1/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-JJ14	0-1	3/8/2005	ND(0.76)	ND(0.76)	ND(0.76)	ND(0.76)	ND(0.76)	9.1	13	22.1
RAA10-E-JJ15	0-1	7/8/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.079	0.14	0.219
RAA10-E-JJ16	0-1	3/8/2005	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	0.55	0.80	1.35
RAA10-E-JJ17	0-1	7/8/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.026 J	0.063	0.089
RAA10-E-JJ18	0-1	1/3/2005	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.039 J	0.039 J
	1-3	1/3/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	3-6	1/3/2005	ND(0.053) [ND(0.049)]	ND(0.053) [ND(0.049)]	ND(0.053) [ND(0.049)]	ND(0.053) [ND(0.049)]	ND(0.053) [ND(0.049)]	ND(0.053) [ND(0.049)]	ND(0.053) [ND(0.049)]	ND(0.053) [ND(0.049)]
	6-15	1/3/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.043	0.043
RAA10-E-JJ19	0-1	7/1/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA10-E-JJ20	0-1	1/3/2005	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	0.056 J	0.056 J
	1-3	1/3/2005	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	3-6	1/3/2005	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.019 J	0.019 J
	6-15	1/3/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-E-JJ22	0-1	12/29/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.048 J	0.048 J
	1-3	12/29/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	3-6	12/29/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
	6-15	12/29/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-E-JJ23	0-1	7/1/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
RAA10-E-JJ24	0-1	12/29/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.052	0.052
	1-3	12/29/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	3-6	12/29/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	6-15	12/29/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA10-E-JJ25	0-1	7/1/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.019 J	0.055	0.074
RAA10-E-JJ26	0-1	12/29/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.022 J	0.022 J
	1-3	12/29/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	3-6	12/29/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	6-15	12/29/2004	ND(0.045) [ND(0.049)]	ND(0.045) [ND(0.049)]	ND(0.045) [ND(0.049)]	ND(0.045) [ND(0.049)]	ND(0.045) [ND(0.049)]	ND(0.045) [ND(0.049)]	ND(0.045) [ND(0.049)]	ND(0.045) [ND(0.049)]
RAA10-E-JJ27	0-1	1/20/2005	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.053	0.053
RAA10-E-KK14	0-1	3/10/2005	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	8.0	6.6	5.0	19.6
RAA10-E-KK15	0-1	7/8/2004	ND(0.62)	ND(0.62)	ND(0.62)	ND(0.62)	ND(0.62)	15	18	33
RAA10-E-KK16	0-1	7/8/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.30	0.66	0.96
RAA10-E-KK17	0-1	7/8/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.23	0.40	0.63
RAA10-E-KK18	0-1	7/7/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.050	0.050
RAA10-E-KK19	0-1	7/7/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
RAA10-E-KK21	0-1	7/7/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.038 J	0.038 J
RAA10-E-KK22	0-1	7/7/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.036 J	0.036 J
RAA10-E-KK23	0-1	7/7/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-E-KK24	0-1	7/7/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.018 J	0.018 J

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-1 (continued)										
RAA10-E-KK25	0-1	7/7/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.027 J	0.027 J
RAA10-E-KK26	0-1	7/7/2004	ND(0.048) [ND(0.047)]	ND(0.048) [ND(0.047)]	ND(0.048) [ND(0.047)]	ND(0.048) [ND(0.047)]	ND(0.048) [ND(0.047)]	ND(0.048) [ND(0.047)]	ND(0.048) [ND(0.047)]	ND(0.048) [ND(0.047)]
RAA10-E-KK27	0-1	1/20/2005	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.040 J	0.066	0.106
RAA10-E-KKLL19.5	1-3	3/31/2005	ND(0.069)	ND(0.069)	ND(0.069)	ND(0.069)	ND(0.069)	0.057 J	0.066 J	0.123 J
	3-6	3/31/2005	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	0.040 J	0.040 J
	6-15	3/31/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-E-LL16	0-1	3/8/2005	ND(8.5)	ND(8.5)	ND(8.5)	ND(8.5)	ND(8.5)	46	69	115
RAA10-E-LL17	0-1	7/12/2004	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	1.0	1.6	2.6
RAA10-E-LL20	0-1	1/4/2005	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	0.080	0.080
	1-3	1/4/2005	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	0.023 J	0.023 J
	3-6	1/4/2005	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	6-15	1/4/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.079	0.21	0.289
RAA10-E-LL21	0-1	7/12/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
RAA10-E-LL22	0-1	1/4/2005	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	0.046 J	0.11	0.156
	1-3	1/4/2005	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	3-6	1/4/2005	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.024 J	0.024 J
	6-15	1/4/2005	ND(0.059) [ND(0.055)]	ND(0.059) [ND(0.055)]	ND(0.059) [ND(0.055)]	ND(0.059) [ND(0.055)]	ND(0.059) [ND(0.055)]	ND(0.059) [0.026 J]	0.052 J [0.063]	0.052 J [0.089]
RAA10-E-LL23	0-1	7/8/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-LL24	0-1	1/3/2005	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.038 J	0.038 J
	1-3	1/3/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	3-6	1/3/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.025 J	0.063	0.088
	6-15	1/3/2005	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.017 J	0.017 J
RAA10-E-LL25	0-1	7/8/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
RAA10-E-LL26	0-1	1/3/2005	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.024 J	0.089	0.113
	1-3	1/3/2005	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	3-6	1/3/2005	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.074	0.23	0.304
	6-15	1/3/2005	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	0.028 J	0.028 J
RAA10-E-LL27	0-1	7/8/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.022 J	0.022 J
RAA10-E-MM16	0-1	3/15/2005	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	2.7	6.1	8.8
RAA10-E-MM18	0-1	7/13/2004	ND(0.81)	ND(0.81)	ND(0.81)	ND(0.81)	ND(0.81)	6.8	12	18.8
RAA10-E-MM19	0-1	7/12/2004	ND(0.083)	ND(0.083)	ND(0.083)	ND(0.083)	ND(0.083)	0.15	0.30	0.45
RAA10-E-MM20	0-1	7/12/2004	ND(0.085)	ND(0.085)	ND(0.085)	ND(0.085)	ND(0.085)	0.13	0.21	0.34
RAA10-E-MM21	0-1	7/12/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
RAA10-E-MM22	0-1	7/12/2004	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	0.12	0.22	0.34
RAA10-E-MM23	0-1	7/12/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
RAA10-E-MM24	0-1	7/12/2004	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	0.086	0.086
RAA10-E-MM25	0-1	7/12/2004	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	0.025 J	0.069	0.094
RAA10-E-MM26	0-1	7/12/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-MM27	0-1	7/12/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-NN19	0-1	3/10/2005	ND(0.79)	ND(0.79)	ND(0.79)	ND(0.79)	ND(0.79)	21	28	49
RAA10-E-NN21	0-1	7/13/2004	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	5.1	8.3	13.4
RAA10-E-NN22	0-1	1/18/2005	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	0.061 J	ND(0.10)	0.061 J
	1-3	1/18/2005	ND(0.098)	ND(0.098)	ND(0.098)	ND(0.098)	ND(0.098)	0.055 J	ND(0.098)	0.055 J
	3-6	1/18/2005	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)
	6-15	1/18/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
RAA10-E-NN23	0-1	7/13/2004	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	0.060 J	0.095	0.155

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-1 (continued)										
RAA10-E-NN24	0-1	1/19/2005	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	0.031 J	0.031 J
	1-3	1/19/2005	ND(0.072)	ND(0.072)	ND(0.072)	ND(0.072)	ND(0.072)	ND(0.072)	ND(0.072)	ND(0.072)
	3-6	1/19/2005	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)
	6-15	1/19/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-E-NN25	0-1	7/13/2004	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)
RAA10-E-NN26	0-1	1/4/2005	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	0.039 J	0.071	0.11
	1-3	1/4/2005	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)]	ND(0.050) [ND(0.050)]	ND(0.050) [ND(0.050)]
	3-6	1/4/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.035 J	0.035 J
	6-15	1/4/2005	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-NN27	0-1	7/13/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
RAA10-E-OO22	0-1	7/13/2004	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	0.35	1.4	1.75
RAA10-E-OO23	0-1	7/13/2004	ND(0.081)	ND(0.081)	ND(0.081)	ND(0.081)	ND(0.081)	0.11	0.15	0.26
RAA10-E-OO24	0-1	7/13/2004	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)	ND(0.064)
RAA10-E-OO25	0-1	7/13/2004	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)
RAA10-E-OO26	0-1	7/13/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
RAA10-E-OO27	0-1	7/13/2004	ND(0.052) [ND(0.056)]	ND(0.052) [ND(0.056)]	ND(0.052) [ND(0.056)]	ND(0.052) [ND(0.056)]	ND(0.052) [ND(0.056)]	0.11 J [0.034 J]	0.19 J [0.072 J]	0.30 J [0.106 J]
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)	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)	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)]	ND(0.051) [ND(0.060)]	ND(0.051) [ND(0.060)]
RAA10-E-S15	0-1	6/17/2004	ND(0.61)	ND(0.61)	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)	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)	ND(0.053)	ND(0.053)	0.025 J	0.025 J
RAA10-E-T15	0-1	2/24/2005	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)	ND(0.071)	1.6	0.82	2.42
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)	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)	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)	ND(0.074)	ND(0.074)
RAA10-E-T17	0-1	6/4/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.035 J	0.035 J
RAA10-E-T18	0-1	6/11/2004	ND(0.051)	ND(0.051)	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)	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)	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)	ND(0.080)	ND(0.080)
RAA10-E-T19	0-1	6/4/2004	ND(0.048)	ND(0.048)	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)	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)	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)	ND(0.045)	ND(0.045)
	6-15	6/14/2004	ND(0.047)	ND(0.047)	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)	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)	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)	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)	ND(0.045)	ND(0.045)
	6-15	6/9/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.027 J	0.027 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)	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)	ND(0.047)	ND(0.047)
	6-15	6/9/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.035 J	0.035 J
RAA10-E-U15	0-1	6/17/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.86	0.43	1.29
RAA10-E-U16	0-1	6/4/2004	ND(0.056) [ND(0.057)]	ND(0.056) [ND(0.057)]	ND(0.056) [ND(0.057)]	ND(0.056) [ND(0.057)]	ND(0.056) [ND(0.057)]	ND(0.056) [ND(0.057)]	0.046 J [0.051 J]	0.046 J [0.051 J]
RAA10-E-U17	0-1	6/4/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.045 J	0.045 J
RAA10-E-U18	0-1	6/4/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.029 J	0.029 J
RAA10-E-U20	0-1	6/4/2004	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	0.10	0.10

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-1 (continued)										
RAA10-E-U21	0-1	6/4/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.043 J	0.043 J
RAA10-E-U22	0-1	6/4/2004	ND(0.075)	ND(0.075)	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)	ND(0.056)	ND(0.056)	0.049 J	0.049 J
RAA10-E-V15	0-1	6/4/2004	ND(0.094)	ND(0.094)	ND(0.094)	ND(0.094)	ND(0.094)	2.0	0.80	2.8
RAA10-E-V16	1-3	6/15/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	3-6	6/15/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.032 J	ND(0.048)	0.032 J
	6-15	6/15/2004	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)
RAA10-E-V17	0-1	6/4/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.046 J	0.046 J
RAA10-E-V18	0-1	6/15/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
	1-3	6/15/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	3-6	6/15/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	6-15	6/15/2004	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	0.035 J	0.035 J
RAA10-E-V19	0-1	6/4/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.060	0.060
RAA10-E-V20	0-1	6/14/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	1-3	6/14/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	3-6	6/14/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	6-15	6/14/2004	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)
RAA10-E-V21	0-1	6/4/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.19	0.066	0.256
RAA10-E-V22	0-1	6/14/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.024 J	0.024 J
	1-3	6/14/2004	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]
	3-6	6/14/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	6-15	6/14/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
RAA10-E-W15	0-1	6/7/2004	ND(0.098)	ND(0.098)	ND(0.098)	ND(0.098)	ND(0.098)	1.8	1.6	3.4
RAA10-E-W16	0-1	6/7/2004	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	0.032 J	0.032 J
RAA10-E-W17	0-1	6/7/2004	ND(0.055) [ND(0.046)]	ND(0.055) [ND(0.046)]	ND(0.055) [ND(0.046)]	ND(0.055) [ND(0.046)]	ND(0.055) [ND(0.046)]	ND(0.055) [ND(0.046)]	0.072 [0.043 J]	0.072 [0.043 J]
RAA10-E-W18	0-1	6/7/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.092	0.092
RAA10-E-W19	0-1	6/7/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.086	0.086
RAA10-E-W20	0-1	6/7/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.049 J	0.049 J
RAA10-E-W21	0-1	6/7/2004	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	0.11	0.11
RAA10-E-W22	0-1	6/7/2004	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	0.11	0.11
RAA10-E-X15	0-1	7/27/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	1.2	0.82	2.02
RAA10-E-X16	0-1	6/15/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.14	0.14
	1-3	6/15/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	3-6	6/15/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
	6-15	6/15/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.017 J	0.017 J
RAA10-E-X17	0-1	6/7/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.078	0.078
RAA10-E-X18	0-1	6/16/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.041 J	0.041 J
	1-3	6/16/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	3-6	6/16/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	6/16/2004	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]
RAA10-E-X20	0-1	6/16/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.035 J	0.035 J
	1-3	6/16/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	3-6	6/16/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	6-15	6/16/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA10-E-Y14	0-1	2/23/2005	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	48	ND(2.0)	48
RAA10-E-Y16	0-1	6/7/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.051 J	0.051 J
RAA10-E-Y17	0-1	6/7/2004	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	0.14	0.12	0.26
RAA10-E-Y18	0-1	6/7/2004	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	0.099	0.099
RAA10-E-Y19	0-1	6/7/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.038 J	0.038 J

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L12-2-1 (continued)										
RAA10-E-Y20	0-1	6/7/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.068	0.068
RAA10-E-Y21	0-1	6/7/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.059	0.059
RAA10-E-Z14	0-1	2/22/2005	ND(0.89)	ND(0.89)	ND(0.89)	ND(0.89)	ND(0.89)	23	ND(0.89)	23
	1-3	2/22/2005	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	54	ND(2.2)	54
	3-6	2/22/2005	ND(21)	ND(21)	ND(21)	ND(21)	ND(21)	350	ND(21)	350
	6-8	2/22/2005	ND(22)	ND(22)	ND(22)	ND(22)	ND(22)	190	ND(22)	190
RAA10-E-Z15	0-1	6/7/2004	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	1.2	0.44	1.64
RAA10-E-Z16	0-1	6/21/2004	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.030 J	0.030 J
	1-3	6/21/2004	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)
	3-6	6/21/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	6/21/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-E-Z17	0-1	6/7/2004	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)
RAA10-E-Z18	0-1	6/21/2004	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	0.12	0.11	0.23
	1-3	6/21/2004	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
	3-6	6/21/2004	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)
	6-15	6/21/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-E-Z19	0-1	6/7/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.081	0.16	0.241
RAA10-E-Z20	0-1	6/21/2004	ND(0.045) [ND(0.043)]	ND(0.045) [ND(0.043)]	ND(0.045) [ND(0.043)]	ND(0.045) [ND(0.043)]	ND(0.045) [ND(0.043)]	ND(0.045) [ND(0.043)]	ND(0.045) [ND(0.043)]	ND(0.045) [ND(0.043)]
	1-3	6/21/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	3-6	6/21/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	6-15	6/21/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-E-Z21	0-1	6/7/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
RAA10-E-Z22	0-1	6/21/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.060	0.060
	1-3	6/21/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	3-6	6/21/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	6-15	6/21/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
UB-UTL-5	1-3	12/23/2008	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.060	0.20	0.26
	3-6	12/23/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	6-12	12/23/2008	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
Parcel L11-4-11										
RAA10-E-AAA22	0-1	1/12/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.038 J	0.038 J
	1-3	12/19/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.052	0.052
	3-6	12/19/2008	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.27	0.27
	6-15	12/19/2008	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.30	0.30
	15-19	12/19/2008	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
RAA10-E-AAA23	0-1	1/12/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.13	0.33	0.46
RAA10-E-AAA24	0-1	1/12/2005	ND(0.41)	ND(0.41)	ND(0.41)	ND(0.41)	ND(0.41)	2.9	6.5	9.4
RAA10-E-AAA25	0-1	1/12/2005	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.29	0.34	0.63
RAA10-E-AAA26	0-1	1/12/2005	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.083	0.074	0.157
RAA10-E-AAA27	0-1	7/15/2004	ND(19)	ND(19)	ND(19)	ND(19)	ND(19)	140	ND(19)	140
RAA10-E-AAA28	0-1	7/15/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	1.2	0.66	1.86
RAA10-E-AAA29	0-1	7/15/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.097	0.050	0.147
RAA10-E-AAA30	0-1	7/15/2004	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	0.082 [0.065]	0.059 [0.044]	0.141 [0.109]
RAA10-E-AAABBB27	0-1	6/8/2007	ND(42)	ND(42)	ND(42)	ND(42)	ND(42)	100	ND(42)	100
RAA10-E-BBB23	0-1	1/12/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.027 J	0.058	0.085

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L11-4-11 (continued)										
RAA10-E-BBB24	0-1	1/12/2005	ND(0.044) [ND(0.045)]	ND(0.044) [ND(0.045)]	ND(0.044) [ND(0.045)]	ND(0.044) [ND(0.045)]	ND(0.044) [ND(0.045)]	0.49 [0.80]	0.30 [0.44]	0.79 [1.24]
	1-3	1/12/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.043	0.13	0.173
	3-6	1/12/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	1/12/2005	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA10-E-BBB25	0-1	1/12/2005	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	5.1	1.4	6.5
RAA10-E-BBB26	0-1	12/18/2008	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.43	ND(0.039)	0.43
	1-3	12/18/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	3-6	12/18/2008	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
	6-15	12/18/2008	ND(0.38) [ND(0.76)]	ND(0.38) [ND(0.76)]	ND(0.38) [ND(0.76)]	ND(0.38) [ND(0.76)]	ND(0.38) [ND(0.76)]	2.4 [3.5]	5.2 [7.1]	7.6 [10.6]
RAA10-E-BBB27	0-1	8/30/2007	ND(3.5) [ND(3.5)]	ND(3.5) [ND(3.5)]	ND(3.5) [ND(3.5)]	ND(3.5) [ND(3.5)]	ND(3.5) [ND(3.5)]	49 [45]	7.5 [5.6]	56.5 [50.6]
RAA10-E-BBB28	0-1	12/18/2008	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.067	0.067
	1-3	12/18/2008	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.0052 J	0.0052 J
	3-6	12/18/2008	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	12/18/2008	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-E-BBBCCC25	0-1	6/8/2007	ND(0.077)	ND(0.077)	ND(0.077)	ND(0.077)	ND(0.077)	0.81	0.52	1.33
RAA10-E-BBBCCC27	0-1	10/23/2007	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	2.8	1.8	4.6
RAA10-E-CCC27	0-1	10/23/2007	ND(38)	ND(38)	ND(38)	ND(38)	ND(38)	250	ND(38)	250
RAA10-E-CCCDDD27	0-1	10/23/2007	ND(39)	ND(39)	ND(39)	ND(39)	ND(39)	170	ND(39)	170
RAA10-E-DDD27	0-1	12/18/2008	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.15	0.13	0.28
	1-3	12/18/2008	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	12/18/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	6-15	12/18/2008	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-JJ13	0-1	3/10/2005	ND(0.58)	ND(0.58)	ND(0.58)	ND(0.58)	12	7.5	6.1	25.6
RAA10-E-KK12	0-1	2/21/2005	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.88	0.70	1.58
RAA10-E-KK13	0-1	3/10/2005	ND(0.48)	ND(0.48)	ND(0.48)	ND(0.48)	ND(0.48)	11	12	23
RAA10-E-LL12	0-1	9/23/2004	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	4.3	2.2	6.5
	1-3	9/23/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.13	0.11	0.24
	3-6	9/23/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.10	0.14	0.24
	6-15	9/23/2004	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]
RAA10-E-LL13	0-1	8/5/2004	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	64	ND(4.0)	64
RAA10-E-LL14	0-1	1/10/2005	ND(97)	ND(97)	ND(97)	ND(97)	ND(97)	2300	ND(97)	2300
	1-3	1/10/2005	ND(99)	ND(99)	ND(99)	ND(99)	ND(99)	620	ND(99)	620
	3-6	1/10/2005	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	18	ND(1.9)	18
	6-15	1/10/2005	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	6.9	6.3	13.2
RAA10-E-LL15	0-1	1/10/2005	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	34	20	54
RAA10-E-MM12	0-1	8/5/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	1.2	0.44	1.64
RAA10-E-MM13	0-1	8/5/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	2.9	1.2	4.1
RAA10-E-MM14	0-1	8/5/2004	ND(99)	ND(99)	ND(99)	ND(99)	ND(99)	3300	ND(99)	3300
	1-3	6/8/2007	ND(400)	ND(400)	ND(400)	ND(400)	ND(400)	2100	ND(400)	2100
	3-6	6/8/2007	ND(0.47)	ND(0.47)	ND(0.47)	ND(0.47)	ND(0.47)	3.6	2.5	6.1
RAA10-E-MM15	0-1	1/10/2005	ND(22)	ND(22)	ND(22)	ND(22)	ND(22)	750	ND(22)	750
RAA10-E-NN12	0-1	9/23/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.37	1.6	1.97
	1-3	9/23/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.049	0.11	0.159
	3-6	9/23/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	6-15	9/23/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-E-NN13	0-1	8/3/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.37	0.097	0.467

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L11-4-11 (continued)										
RAA10-E-NN14	0-1	8/3/2004	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	170	ND(20)	170
	1-3	8/3/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.33	0.083	0.413
	3-6	8/3/2004	ND(0.038) [ND(0.039)]	ND(0.038) [ND(0.039)]	ND(0.038) [ND(0.039)]	ND(0.038) [ND(0.039)]	ND(0.038) [ND(0.039)]	0.034 J [0.033 J]	ND(0.038) [0.015 J]	0.034 J [0.048 J]
	6-15	8/3/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-E-NN15	0-1	1/10/2005	ND(22)	ND(22)	ND(22)	ND(22)	ND(22)	140	ND(22)	140
RAA10-E-NN16	3-6	1/10/2005	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	40	ND(2.1)	40
	6-15	1/10/2005	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.072	0.047	0.119
RAA10-E-NN18	0-1	3/10/2005	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	5.9	8.6	14.5
RAA10-E-NN18b	1-3	4/11/2005	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	2.0	0.56	2.56
	3-6	4/11/2005	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	2.2	2.7	4.9
	6-15	4/11/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-E-NN20	0-1	3/11/2005	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.78	1.3	2.08
	1-3	3/11/2005	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.93	1.1	2.03
	3-6	3/11/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.91	0.36	1.27
	6-15	3/11/2005	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)
RAA10-E-OO11	0-1	8/3/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.060	0.060
RAA10-E-OO12	0-1	8/3/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.035 J	0.035 J
RAA10-E-OO13	0-1	8/3/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.077	0.068	0.145
RAA10-E-OO14	0-1	8/3/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.63	0.24	0.87
RAA10-E-OO16	0-1	1/10/2005	ND(22)	ND(22)	ND(22)	ND(22)	ND(22)	580	ND(22)	580
RAA10-E-OO17	0-1	1/10/2005	ND(19)	ND(19)	ND(19)	ND(19)	ND(19)	240	ND(19)	240
RAA10-E-OO18	0-1	1/10/2005	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	110	ND(5.0)	110
RAA10-E-OO19	0-1	1/11/2005	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	66	ND(2.5)	66
RAA10-E-OO20	0-1	1/11/2005	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)]	1.3 [0.79]	0.27 [0.29]	1.57 [1.08]
RAA10-E-OO21	0-1	1/17/2005	ND(0.093)	ND(0.093)	ND(0.093)	ND(0.093)	ND(0.093)	3.0	3.9	6.9
RAA10-E-PP11	0-1	8/6/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.17	0.13	0.30
RAA10-E-PP12	0-1	8/2/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.14	0.22	0.36
	1-3	8/2/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	3-6	8/2/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.046	ND(0.041)	0.046
	6-15	8/2/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-E-PP13	0-1	8/3/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.045	0.022 J	0.067
RAA10-E-PP14	1-3	8/2/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	3-6	8/2/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	8/2/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-E-PP16	0-1	9/23/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.20	0.097	0.297
	1-3	9/23/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.029 J	0.038	0.067
	3-6	9/23/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.020 J	0.045	0.065
	6-15	9/23/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.14	0.14
RAA10-E-PP17	0-1	1/11/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.16	0.038 J	0.198
RAA10-E-PP18	0-1	1/7/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	1.0	0.43	1.43
	1-3	1/7/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.13	0.050	0.18
	3-6	1/7/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.057	0.026 J	0.083
	6-15	1/7/2005	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA10-E-PP19	0-1	1/11/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	1.1	0.48	1.58
RAA10-E-PP20	0-1	1/7/2005	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	1.3	0.83	2.13
	1-3	1/7/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.061	0.096	0.157
	3-6	1/7/2005	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	6-15	1/7/2005	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
RAA10-E-PP21	0-1	1/11/2005	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.039 J	0.045 J	0.084 J

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L11-4-11 (continued)										
RAA10-E-PP22	0-1	3/8/2005	ND(0.76)	ND(0.76)	ND(0.76)	ND(0.76)	ND(0.76)	6.1	9.9	16
RAA10-E-PP23	0-1	7/13/2004	ND(0.091)	ND(0.091)	ND(0.091)	ND(0.091)	ND(0.091)	1.9	3.2	5.1
RAA10-E-PP24	0-1	3/8/2005	R	R	R	R	R	R	0.072 J	0.072 J
RAA10-E-PP24b	1-3	4/5/2005	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)
	3-6	4/5/2005	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)
	6-15	4/5/2005	ND(0.044) [ND(0.043)]	ND(0.044) [ND(0.043)]	ND(0.044) [ND(0.043)]	ND(0.044) [ND(0.043)]	ND(0.044) [ND(0.043)]	ND(0.044) [ND(0.043)]	ND(0.044) [ND(0.043)]	ND(0.044) [ND(0.043)]
RAA10-E-PP25	0-1	7/13/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)
RAA10-E-PP26	1-3	1/5/2005	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.058	0.058
	3-6	1/5/2005	ND(0.077)	ND(0.077)	ND(0.077)	ND(0.077)	ND(0.077)	ND(0.077)	ND(0.077)	ND(0.077)
	6-15	1/5/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.021 J	0.061	0.082
RAA10-E-QQ12	0-1	8/5/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.060	0.086	0.146
RAA10-E-QQ13	0-1	8/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.18	0.072	0.252
RAA10-E-QQ15	0-1	8/5/2004	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	0.071 [0.092]	0.068 [0.067]	0.139 [0.159]
RAA10-E-QQ16	0-1	1/20/2005	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)]	0.22 J [0.092 J]	0.18 [0.12]	0.40 J [0.21 J]
RAA10-E-QQ17	0-1	1/20/2005	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.079	0.16	0.239
RAA10-E-QQ18	0-1	1/11/2005	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-QQ19	0-1	1/11/2005	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	1.4	1.0	2.4
RAA10-E-QQ20	0-1	1/11/2005	ND(0.41)	ND(0.41)	ND(0.41)	ND(0.41)	ND(0.41)	6.1	2.7	8.8
RAA10-E-QQ21	0-1	1/17/2005	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	0.74	0.68	1.42
RAA10-E-QQ22	0-1	1/17/2005	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.10	0.13	0.23
RAA10-E-QQ23	0-1	1/17/2005	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)
RAA10-E-QQ24	0-1	7/13/2004	ND(0.069)	ND(0.069)	ND(0.069)	ND(0.069)	ND(0.069)	0.46	0.50	0.96
RAA10-E-QQ27	0-1	3/10/2005	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.039 J	0.039 J
RAA10-E-RR13	0-1	8/5/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.25	0.17	0.42
RAA10-E-RR14	0-1	8/6/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.19	0.16	0.35
	1-3	8/6/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	3-6	8/6/2004	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	8/6/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-E-RR15	0-1	1/20/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.062	0.054	0.116
RAA10-E-RR16	0-1	9/23/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.049	0.085	0.134
	1-3	9/23/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	3-6	9/23/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	9/23/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-E-RR17	0-1	1/11/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.029 J	0.025 J	0.054 J
RAA10-E-RR18	0-1	8/6/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.10	0.14	0.24
	1-3	8/6/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	3-6	8/6/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	6-15	8/6/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-E-RR19	0-1	1/17/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.55	0.74	1.29
RAA10-E-RR20	0-1	8/6/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	4.0	5.6	9.6
	1-3	8/6/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.65	1.1	1.75
	3-6	8/6/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	1.2	1.6	2.8
	6-15	8/6/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-E-RR21	0-1	1/17/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.91	0.95	1.86
RAA10-E-RR22	0-1	1/17/2005	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	0.51	1.4	1.91
	1-3	1/17/2005	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	3-6	1/17/2005	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	6-15	1/17/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-E-RR23	0-1	1/17/2005	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	0.28	0.37	0.65

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L11-4-11 (continued)										
RAA10-E-RR24b	1-3	4/5/2005	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	3-6	4/5/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	6-15	4/5/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-E-RR25	0-1	7/14/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.076	0.28	0.356
RAA10-E-RR26	0-1	1/5/2005	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.029 J	0.029 J
	1-3	1/5/2005	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	3-6	1/5/2005	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	1/5/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-E-RR27	0-1	7/13/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.016 J	0.021 J	0.037 J
RAA10-E-SS14	0-1	1/20/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.15	0.23	0.38
RAA10-E-SS15	0-1	1/11/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.020 J	0.032 J	0.052 J
RAA10-E-SS16	0-1	1/11/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.052	0.062	0.114
RAA10-E-SS17	0-1	1/11/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.34	0.17	0.51
RAA10-E-SS18	0-1	1/11/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.22	0.18	0.40
RAA10-E-SS19	0-1	1/17/2005	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	2.8	0.91	3.71
RAA10-E-SS20	0-1	1/17/2005	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	5.0	3.6	8.6
RAA10-E-SS21	0-1	1/17/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.039 J	0.037 J	0.076 J
RAA10-E-SS22	0-1	1/17/2005	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.058	0.14	0.198
RAA10-E-SS24	0-1	7/13/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.018 J	0.018 J
RAA10-E-SS25	0-1	7/13/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.020 J	0.033 J	0.053 J
RAA10-E-SS26	0-1	7/14/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.052	0.052
RAA10-E-SS27	0-1	7/14/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.041 J	0.041 J
RAA10-E-TT15	0-1	9/23/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.068	0.051	0.119
RAA10-E-TT16	0-1	8/6/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	1-3	8/6/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	3-6	8/6/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-15	8/6/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-TT17	0-1	9/23/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-E-TT18	0-1	8/9/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.77	0.51	1.28
	1-3	8/9/2004	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) [ND(0.037)]	ND(0.036) [ND(0.037)]	ND(0.036) [ND(0.037)]
	3-6	8/9/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-15	8/9/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-E-TT19	0-1	9/23/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.80	0.80	1.6
	1-3	12/22/2008	ND(19)	ND(19)	ND(19)	ND(19)	ND(19)	130	ND(19)	130
	3-6	12/22/2008	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.011 J	ND(0.035)	0.011 J
	6-15	12/22/2008	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
RAA10-E-TT20	0-1	8/9/2004	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	7.8	2.5	10.3
	1-3	8/9/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	3-6	8/9/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	8/9/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-E-TT21	0-1	1/17/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.33	0.11	0.44
RAA10-E-TT22	1-3	1/11/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.36	0.36
	3-6	1/11/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.058	0.16	0.218
	6-15	1/11/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-E-TT23	0-1	1/13/2005	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	3.7	5.8	9.5
RAA10-E-TT24	0-1	1/18/2005	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	0.029 J	0.056 J	0.085 J
	1-3	1/18/2005	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	3-6	1/18/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	6-15	1/18/2005	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [0.014 J]	ND(0.038) [0.022 J]	ND(0.038) [0.036 J]

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L11-4-11 (continued)										
RAA10-E-TT25	0-1	7/14/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.067	0.10	0.167
RAA10-E-TT26	0-1	1/5/2005	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)
	1-3	1/5/2005	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
	3-6	1/5/2005	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	6-15	1/5/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-E-TT27	0-1	7/14/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.034 J	0.052	0.086
RAA10-E-UU16	0-1	9/23/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.020 J	0.056	0.076
RAA10-E-UU17	0-1	9/23/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.084	0.076	0.16
RAA10-E-UU18	0-1	9/23/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.40	0.34	0.74
RAA10-E-UU19	0-1	9/23/2004	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	37	6.7	43.7
RAA10-E-UU20	0-1	1/13/2005	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	13	2.9	15.9
RAA10-E-UU22	0-1	1/13/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	1.3	1.3
RAA10-E-UU23	0-1	1/17/2005	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.092	0.16	0.252
RAA10-E-UU24	0-1	7/14/2004	ND(0.32)	ND(0.32)	ND(0.32)	ND(0.32)	ND(0.32)	2.2	2.2	4.4
RAA10-E-UU25	0-1	7/14/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.059	0.059
RAA10-E-UU26	0-1	7/14/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.060	0.11	0.17
RAA10-E-UU27	0-1	7/14/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.026 J	0.068	0.094
RAA10-E-VV17	0-1	1/13/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.15	0.21	0.36
RAA10-E-VV18	0-1	9/21/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	1.6	0.83	2.43
	1-3	9/21/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.085	0.13	0.215
	3-6	9/21/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.68	1.6	2.28
	6-8	9/21/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.54	1.4	1.94
RAA10-E-VV19	0-1	1/13/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	1.2	0.76	1.96
RAA10-E-VV20	0-1	9/21/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	1.2	0.51	1.71
	1-3	9/21/2004	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	15	2.1	17.1
	3-6	9/21/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.42	0.40	0.82
	6-15	9/21/2004	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	0.66 [0.63]	0.63 [0.54]	1.29 [1.17]
RAA10-E-VV21	0-1	1/12/2005	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.066	0.26	0.326
RAA10-E-VV22	0-1	3/9/2005	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.13	0.13
	1-3	3/9/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.054	0.18	0.234
	3-6	3/9/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.086	0.20	0.286
	6-15	3/9/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.65	0.65
RAA10-E-VV23	0-1	1/12/2005	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	2.6	3.2	5.8
RAA10-E-VV24	0-1	1/13/2005	ND(0.067) [ND(0.063)]	ND(0.067) [ND(0.063)]	ND(0.067) [ND(0.063)]	ND(0.067) [ND(0.063)]	ND(0.067) [ND(0.063)]	1.1 [0.68]	2.4 [1.6]	3.5 [2.28]
	1-3	1/13/2005	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	0.045 J	0.033 J	0.078 J
	3-6	1/13/2005	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	6-15	1/13/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-E-VV25	0-1	7/14/2004	ND(0.052) [ND(0.052)]	ND(0.052) [ND(0.052)]	ND(0.052) [ND(0.052)]	ND(0.052) [ND(0.052)]	ND(0.052) [ND(0.052)]	0.089 [0.13]	0.12 J [0.23 J]	0.21 J [0.36 J]
RAA10-E-VV26	0-1	1/6/2005	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.054	0.14	0.194
	1-3	1/6/2005	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	3-6	1/6/2005	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) [ND(0.042)]	ND(0.040) [ND(0.042)]	ND(0.040) [ND(0.042)]
	6-15	1/6/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-E-VV27	0-1	7/14/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
RAA10-E-WW18	0-1	1/13/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.074	0.12	0.194
RAA10-E-WW20	0-1	1/13/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.17	0.27	0.44
RAA10-E-WW21	0-1	1/12/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.29	0.29
RAA10-E-WW22	0-1	1/12/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.035 J	0.18	0.215
RAA10-E-WW23	0-1	1/12/2005	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.092	0.20	0.292
RAA10-E-WW24	0-1	1/11/2005	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	0.24	0.49	0.73

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L11-4-11 (continued)										
RAA10-E-WW25	0-1	7/15/2004	ND(1.4)	ND(1.4)	ND(1.4)	ND(1.4)	ND(1.4)	14	19	33
RAA10-E-WW26	0-1	7/15/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.22	0.51	0.73
RAA10-E-WW27	0-1	7/15/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.55	0.20	0.75
RAA10-E-WW28	0-1	7/15/2004	ND(0.040) [ND(0.040)]	ND(0.040) [ND(0.040)]	ND(0.040) [ND(0.040)]	ND(0.040) [ND(0.040)]	ND(0.040) [ND(0.040)]	0.26 [0.30]	0.10 [0.13]	0.36 [0.43]
RAA10-E-XX18.5	0-1	6/8/2007	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	0.59	0.91	1.5
RAA10-E-XX19	0-1	1/13/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	1.1	0.92	2.02
RAA10-E-XX20	0-1	9/22/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.13	0.20	0.33
	1-3	9/22/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.18	0.27	0.45
	3-6	9/22/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.53	0.90	1.43
	6-12	9/22/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.79	0.90	1.69
RAA10-E-XX21	0-1	1/13/2005	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.12	0.47	0.59
RAA10-E-XX22	0-1	1/11/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.082	0.082
	1-3	1/11/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.042	0.077	0.119
	3-6	1/11/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.22	0.22
	6-15	1/11/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.062	0.065	0.127
RAA10-E-XX23	0-1	7/15/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-E-XX24	0-1	1/11/2005	ND(0.069)	ND(0.069)	ND(0.069)	ND(0.069)	ND(0.069)	0.082	0.14	0.222
	1-3	1/11/2005	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	3-6	1/11/2005	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	1/11/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-E-XX25	0-1	7/15/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.13	0.23	0.36
RAA10-E-XX26	0-1	1/11/2005	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.070	0.14	0.21
	1-3	1/11/2005	ND(0.051) [ND(0.050)]	ND(0.051) [ND(0.050)]	ND(0.051) [ND(0.050)]	ND(0.051) [ND(0.050)]	ND(0.051) [ND(0.050)]	ND(0.051) [ND(0.050)]	ND(0.051) [ND(0.050)]	ND(0.051) [ND(0.050)]
	3-6	1/11/2005	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.037 J	ND(0.047)	0.037 J
	6-15	1/11/2005	ND(0.073)	ND(0.073)	ND(0.073)	ND(0.073)	ND(0.073)	ND(0.073)	ND(0.073)	ND(0.073)
RAA10-E-XX27	0-1	7/15/2004	ND(4.4)	ND(4.4)	ND(4.4)	ND(4.4)	ND(4.4)	29	ND(4.4)	29
RAA10-E-XX28	0-1	1/14/2005	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	0.18	0.13	0.31
	1-3	1/14/2005	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)]	0.056 J [0.21 J]	0.036 J [0.12 J]	0.092 J [0.33 J]
	3-6	1/14/2005	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	6-10	1/14/2005	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)
RAA10-E-YY20	0-1	1/13/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.12	0.36	0.48
	1-3	12/22/2008	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	1.0 J	3.7	4.7
	3-6	12/22/2008	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	3.6	11	14.6
	6-15	12/22/2008	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	0.69	0.92	1.61
RAA10-E-YY21	0-1	1/13/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.14	0.11	0.25
RAA10-E-YY22	0-1	1/12/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.049	0.049
RAA10-E-YY23	0-1	1/12/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.037 J	0.14	0.177
RAA10-E-YY24	0-1	7/15/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.041 J	0.060	0.101
RAA10-E-YY25	0-1	7/15/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.087	0.12	0.207
RAA10-E-YY26	0-1	7/15/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.069	0.080	0.149
RAA10-E-YY27	0-1	7/15/2004	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	26	ND(3.8)	26
RAA10-E-YY28	0-1	7/15/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.57	0.48	1.05
RAA10-E-ZZ21	0-1	1/13/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.11	0.26	0.37
RAA10-E-ZZ22	0-1	10/5/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.060	0.060
	1-3	10/5/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.059	0.071	0.13
	3-6	10/5/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.021 J	0.021 J
	6-15	10/5/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.15	0.32	0.47
RAA10-E-ZZ23	0-1	1/12/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.024 J	0.094	0.118

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

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

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel L11-4-11 (continued)										
RAA10-E-ZZ24	0-1	1/12/2005	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.070	0.12	0.19
	1-3	1/12/2005	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	3-6	1/12/2005	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)
	6-15	1/12/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-E-ZZ25	0-1	7/15/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.10	0.16	0.26
RAA10-E-ZZ26	0-1	1/11/2005	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	2.0	ND(0.053)	2.0
	1-3	1/11/2005	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	1.6	ND(0.051)	1.6
	3-6	1/11/2005	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
	6-15	1/11/2005	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
RAA10-E-ZZ27	0-1	7/15/2004	ND(42)	ND(42)	ND(42)	ND(42)	ND(42)	440	ND(42)	440
	1-3	12/19/2008	ND(7.7)	ND(7.7)	ND(7.7)	ND(7.7)	ND(7.7)	120	ND(7.7)	120
	3-6	12/19/2008	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.57	ND(0.044)	0.57
	6-15	12/19/2008	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.017 J	ND(0.034)	0.017 J
RAA10-E-ZZ28	0-1	1/11/2005	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	34	9.1	43.1
	1-3	1/11/2005	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	4.8	1.5	6.3
	3-6	1/11/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.028 J	0.034 J	0.062 J
	6-15	1/11/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-E-ZZ29	0-1	7/15/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.15	0.11	0.26
UB-UTL-8	1-3	12/22/2008	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.015 J	0.021 J	0.036 J
	3-6	12/22/2008	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	12/22/2008	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
UB-UTL-9	1-3	12/22/2008	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	0.70	0.74	1.44
	3-6	12/22/2008	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	0.74	1.7	2.44
	6-15	12/22/2008	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.011 J	0.020 J	0.031 J
UB-UTL-10	1-3	12/19/2008	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	0.15 [0.15]	0.15 [0.15]
	3-6	12/19/2008	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	6-15	12/19/2008	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)

Notes:

1. Samples were collected by ARCADIS and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Field duplicate sample results are presented in brackets.
5. * = Sample located within/adjacent to a wetland area that did not create a polygon due to pre-determined removal activities.

Data Qualifiers:

J - Indicates that the associated numerical value is an estimated concentration.
R - Data was rejected due to a deficiency in the data generation process.

TABLE A-2
EPA SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - REMAINDER
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 (Non-Industrial)											
BW0049A	BW0049A	0-0.5	7/7/1998	NA	NA	NA	NA	NA	ND(0)	1.6	1.6
BW0050A	BW0050A	0-0.5	7/7/1998	NA	NA	NA	NA	NA	560	100	660
Parcel L12-1-5											
UE2272	UE2272A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	8.5 [13]	6.3 [12]	15 [25]
UW2060	UW2060A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	7.8	5.6	13
UW2210	UW2210A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	5.2	5.3	11
UW2272	UW2272A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	13	10	23
Parcel K11-4-2											
UE1377	UE1377A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	ND(3.7)	6.0 J	6.0 J
UE1474	UE1474A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	6.0	11	17
UE2060	UE2060A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	ND(22) [30]	39 [43]	39 [73]
UE2110	UE2110A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	9.5 [10]	7.6 [9.6]	17 [20]
UE2160	UE2160A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	3.2	3.2	6.4
UE2210	UE2210A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	13	10	23
UW1377	UW1377A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	1.5 J	1.8 J	3.3 J
UW2110	UW2110A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	8.7	5.8	15
UW2160	UW2160A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	32	33	65
Parcel L12-2-1											
UE0750	UE0750A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	19	32 J	51 J
UE0800	UE0800A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	ND(21)	16 J	16 J
UE0850	UE0850A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	13	38 J	51 J
UE0900	UE0900A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	15	18 J	33 J
UE0950	UE0950A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	13	13	26
UE1000	UE1000A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	20	31	51
UE1050	UE1050A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	9.5	10	20
UE1100	UE1100A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	8.2 J	16 J	24 J
UE1150	UE1150A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	32 J	40 J	72 J
UE1205	UE1205A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	33	43 J	76 J
UE1250	UE1250A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	17	22	39
UE1300	UE1300A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	9.5	6.1	16
UE1319	UE1319A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	4.5	5.4	9.9
Parcel L11-4-11											
UE0000	UE0000A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	ND(0.60) [ND(0.60)]	ND(0.60) [ND(0.60)]	ND(0.60) [ND(0.60)]
UE0050	UE0050A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	12	7.8	20
UE0100	UE0100A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	4.7	4.4	9.1
UE0150	UE0150A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	11	12	23
UE0200	UE0200A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	7.2 J	8.5	16 J
UE0250	UE0250A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	7.9 J	15	23 J
UE0300	UE0300A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	10	12 J	22 J
UE0342	UE0342A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	16	11	27
UE0355	UE0355A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	1.3 J	1.6 J	2.9 J
UE0400	UE0400A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	ND(5.0)	10 J	10 J
UE0500	UE0500A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	ND(0.70)	ND(0.70)	ND(0.70)
UE0550	UE0550A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	ND(0.80)	2.4	2.4
UE0600	UE0600A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	ND(12)	24	24
UE0650	UE0650A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	ND(2.5)	3.1	3.1
UE0700	UE0700A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	71 J	120	190 J
UW0000	UW0000A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	4.1	4.3	8.4

TABLE A-2
EPA SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - REMAINDER
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 L11-4-11 (continued)											
UW0050	UW0050A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	0.50 J	0.30 J	0.80 J
UW0100	UW0100A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	ND(0.80)	ND(0.80)	ND(0.80)
UW0150	UW0150A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	0.70	1.1	1.8
UW0200	UW0200A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	ND(0.80) [ND(1.9)]	1.7 [2.3]	1.7 [2.3]
UW0240	UW0240A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	1.0	1.2	2.2
UW0250	UW0250A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	3.5 J [6.0]	7.0 [16]	11 J [22]
UW0300	UW0300A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	3.9	6.1 J	10 J
UW0342	UW0342A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	4.1	5.2 J	9.3 J
UW0355	UW0355A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	0.30 J	0.50 J	0.80 J
UW0400	UW0400A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	0.60 J	1.0	1.6 J
UW0450	UW0450A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	ND(1.1)	1.5	1.5
UW0500	UW0500A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	ND(1.0) [ND(0.90)]	2.7 [1.8]	2.7 [1.8]
UW0550	UW0550A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	ND(0.80)	1.5	1.5
UW0600	UW0600A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	ND(0.80)	ND(0.80)	ND(0.80)
UW0650	UW0650A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	21	29	50
UW0700	UW0700A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	ND(24)	41	41
UW0750	UW0750A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	26	42 J	68 J
UW0800	UW0800A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	33 [53]	47 J [100]	80 J [153]
UW0850	UW0850A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	ND(18)	32 J	32 J
UW0900	UW0900A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	14 [17]	12 J [20]	26 J [37]
UW0950	UW0950A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	53	27	80
UW1000	UW1000A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	16	23	39
UW1050	UW1050A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	1400	ND(100)	1400
UW1100	UW1100A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	190	ND(100)	190
UW1150	UW1150A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	7.7 J [9.9 J]	8.6 [10 J]	16 J [20 J]
UW1205	UW1205A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	5.8	3.7 J	9.5 J
UW1250	UW1250A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	15	8.9	24
UW1300	UW1300A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	9.3	7.6	17
UW1319	UW1319A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	8.1	6.2	14

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.
4. Field duplicate sample results are presented in brackets.

Data Qualifiers:
J - Estimated Value.

TABLE A-3
HISTORICAL SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - REMAINDER
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 (Non-Industrial)											
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	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
	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
	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	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
	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
	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
	BBA020506	5-6	8/13/1996	ND(0.73) [ND(0.43)]	ND(1.5) [ND(0.88)]	ND(0.73) [ND(0.43)]	ND(0.73) [ND(0.43)]	ND(0.73) [ND(0.43)]	ND(0.73) [ND(0.43)]	ND(0.73) [ND(0.43)]	ND(0.73) [ND(0.43)]
L-38	L-38	0-2	5/12/1993	NA	NA	NA	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(1.0)
		2-4	5/12/1993	NA	NA	NA	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(1.0)
		4-6	5/12/1993	NA	NA	NA	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(1.0)
		6-8	5/12/1993	NA	NA	NA	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(1.0)
		8-10	5/17/1993	NA	NA	NA	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(1.0)
		10-12	5/17/1993	NA	NA	NA	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(1.0)
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-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-SS-6	UB-SS-6	0-0.5	12/18/1996	ND(0.34)	ND(0.68)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	0.59 P	0.59
UB-IRA-1-L1	UB-IRA-1-L1	0-0.5	7/8/1998	ND(3.3)	ND(3.3)	ND(3.3)	ND(3.3)	ND(3.3)	ND(3.3)	52	52
UB-IRA-1-R1	UB-IRA-1-R1	0-0.5	7/8/1998	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	0.73 AG	0.73
UB-IRA-2-L1	UB-IRA-2-L1	0-0.5	7/8/1998	ND(15)	ND(15)	ND(15)	ND(15)	ND(15)	ND(15)	200	200
UB-IRA-2-R1	UB-IRA-2-R1	0-0.5	7/8/1998	ND(0.32)	ND(0.32)	ND(0.32)	ND(0.32)	ND(0.32)	ND(0.32)	1.3 AG	1.3
UB-IRA-3-L1	UB-IRA-3-L1	0-0.5	7/8/1998	ND(13)	ND(13)	ND(13)	ND(13)	ND(13)	ND(13)	170	170
UB-IRA-3-R1	UB-IRA-3-R1	0-0.5	7/8/1998	ND(0.42)	ND(0.42)	ND(0.42)	ND(0.42)	ND(0.42)	ND(0.42)	2.1 AG	2.1
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-4-R1	UB-IRA-4-R1	0-0.5	7/8/1998	ND(0.40)	ND(0.40)	ND(0.40)	0.65	ND(0.40)	ND(0.40)	5.6 AG	6.25
UB-IRA-5-L1*	UB-IRA-5-L1	0-0.5	7/8/1998	ND(5.5)	ND(5.5)	ND(5.5)	ND(5.5)	ND(5.5)	ND(5.5)	98	98
UB-IRA-5-R1	UB-IRA-5-R1	0-0.5	7/8/1998	ND(0.51)	ND(0.51)	ND(0.51)	0.64 PD	ND(0.51)	ND(0.51)	6.7 AG	7.34
UB-IRA-16-L1	UB-IRA-16-L1	0-0.5	7/7/1998	ND(16)	ND(16)	ND(16)	ND(16)	ND(16)	170	42	212
UB-IRA-16-R1*	UB-IRA-16-R1	0-0.5	7/7/1998	ND(4400)	ND(4400)	ND(4400)	57000 PD	ND(4400)	43000 AF	5000 AG	105000
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
UFP3-R3*	UFP3-R3	0-1	4/10/1991	5.3	NA	ND(0.050)	ND(0.050)	ND(0.050)	6.0	36	47.3
UFP3-R6	UFP3-R6	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.26	0.26
UFP3-R7	UFP3-R7	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
UFP3-R8	UFP3-R8	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
UFP3-R9	UFP3-R9	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.090	0.090

TABLE A-3
HISTORICAL SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - REMAINDER
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
Northern Inundated (Palustrine/Emergent) Wetland Area											
UB-IRA-17-R1*	UB-IRA-17-R1	0-0.5	7/7/1998	ND(29)	ND(29)	ND(29)	ND(29)	ND(29)	370	160	530
UB-IRA-18-R1*	UB-IRA-18-R1	0-0.5	7/7/1998	ND(83)	ND(83)	ND(83)	ND(83)	ND(83)	910	230	1140
UB-IRA-19-R1*	UB-IRA-19-R1	0-0.5	7/7/1998	ND(370)	ND(370)	ND(370)	ND(370)	ND(370)	3100	1100	4200
UB-IRA-20-R1	UB-IRA-20-R1	0-0.5	7/7/1998	ND(36)	ND(36)	ND(36)	ND(36)	ND(36)	ND(36)	380	380
UB-IRA-21-R1	UB-IRA-21-R1	0-0.5	7/7/1998	ND(0.69)	ND(0.69)	ND(0.69)	0.85 PD	ND(0.69)	11 AF	8.2 AG	20.1
UFP3-R4*	UFP3-R4	0-1	4/10/1991	12	NA	ND(0.050)	ND(0.050)	ND(0.050)	17	62	91
UFP3-R5	UFP3-R5	0-1	4/10/1991	0.20	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.24	2.6	3.04
Southern Inundated (Palustrine/Emergent) Wetland Area											
BA-3	BBA0300.5	0-0.5	8/13/1996	ND(1.3)	ND(2.7)	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	17 P	17
	BBA03.502	0.5-2	8/13/1996	ND(7.0)	ND(14)	ND(7.0)	75	ND(7.0)	99 P	98 P	272
	BBA030204	2-4	8/13/1996	ND(0.50)	ND(1.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)
	BBA030406	4-6	8/13/1996	ND(0.10)	ND(0.20)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	0.033 P	0.033 J
Parcel L12-3-1											
UFP3-R10	UFP3-R10	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.090	0.090
UFP3-R11	UFP3-R11	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Parcel K11-4-2											
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	6.9-8	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-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
Parcel L12-2-1											
UFP1-R6	UFP1-R6	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.13	0.13
UFP2-R1	UFP2-R1	0-1	4/10/1991	9.9	NA	ND(0.050)	ND(0.050)	ND(0.050)	5.9	25	40.8
UFP2-R2	UFP2-R2	0-1	4/10/1991	ND(0.30)	NA	NA	NA	NA	ND(0.82)	19	19
		1-1.5	12/16/1996	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	1.4	1.4
		1.5-2	12/16/1996	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	1.5 P	1.5
		2-2.5	12/16/1996	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.58 P	0.58
		2.5-3	12/16/1996	ND(0.038)	ND(0.028)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.11 P	0.11
UFP2-R3	UFP2-R3	0-1	4/10/1991	ND(0.080)	NA	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.21)	5.7	5.7
UFP2-R4	UFP2-R4	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.25	0.25
UFP2-R5	UFP2-R5	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.19	0.19
UFP2-R6	UFP2-R6	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.17	0.17
UFP2-R7	UFP2-R7	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	1.1	1.1
UFP2-R8	UFP2-R8	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
UFP2-R9	UFP2-R9	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.19	ND(0.080)	0.19
UOP3S-1	UOP3S-1	0-1	4/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	9.4	4.9	14.3
UOP3S-2	UOP3S-2	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.42	0.42
UOP3S-3	UOP3S-3	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.25	ND(0.090) v	0.25
UOP3S-4	UOP3S-4	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.14	0.14

TABLE A-3
HISTORICAL SOIL SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - REMAINDER
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 L12-2-1 (continued)											
UOP3S-5	UOP3S-5	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.23	0.23
UOP3S-6	UOP3S-6	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.38	0.38
UOP3S-7	UOP3S-7	0-1	4/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.44	0.44
UOP3S-8	UOP3S-8	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.070	0.070
Parcel L11-4-11											
UFP1-L1	UFP1-L1	0-1	4/10/1991	0.93	NA	NA	NA	NA	ND(0.73)	27	27.9
		1-1.5	12/13/1996	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	0.063 P	0.063
		1.5-1.92	12/13/1996	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	0.31 P	0.31
UFP1-L2	UFP1-L2	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070)	2.5	2.5
UFP1-L3	UFP1-L3	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.14	0.14
UFP1-L4	UFP1-L4	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.37	0.050	0.42
UFP1-L5	UFP1-L5	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.10	0.41	0.51
UFP1-R1	UFP1-R1	0-1	4/10/1991	ND(2.0)	NA	NA	NA	NA	ND(1.7)	52	52
		1-1.5	12/13/1996	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	0.27	0.27
		1.5-1.83	12/13/1996	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	0.092 J	0.092 J
UFP1-R2	UFP1-R2	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.88	0.88
UFP1-R3	UFP1-R3	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.31	0.31
UFP1-R4	UFP1-R4	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.17	0.17
UFP1-R5	UFP1-R5	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.13	0.13
UFP2-L1	UFP2-L1	0-1	4/10/1991	5.8	NA	ND(0.050)	ND(0.050)	ND(0.050)	1.8	35	42.6
UFP2-L2	UFP2-L2	0-1	4/10/1991	ND(2.5)	NA	ND(2.5)	ND(2.5)	ND(2.5)	120	27	147
UFP2-L3	UFP2-L3	0-0.5	12/11/1996	ND(0.047)	ND(0.096)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	56	56
		0-1	4/10/1991	ND(3.4)	NA	ND(3.4)	ND(3.4)	ND(3.4)	180	11	191
		0.5-1	12/11/1996	ND(0.042)	ND(0.084)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	44	44
		1-1.5	12/11/1996	ND(0.043)	ND(0.087)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	37	37
		1.5-2	12/11/1996	ND(0.038)	ND(0.078)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	54	54
UFP2-L4	UFP2-L4	0-1	4/10/1991	ND(0.60)	NA	ND(0.60)	ND(0.60)	ND(0.60)	46	ND(2.5)	46
		1-1.5	12/16/1996	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	9.0	9.0
		1.5-2	12/16/1996	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	1.3	1.3
		2-2.5	12/16/1996	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.22	0.22
		2.5-3	12/16/1996	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.88	0.88
UFP2-L5	UFP2-L5	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.59	0.52	1.11
UFP2-L6	UFP2-L6	0-0.5	12/17/1996	ND(0.040) [ND(0.81)]	ND(0.040) [ND(0.81)]	ND(0.040) [ND(0.81)]	ND(0.040) [ND(0.81)]	ND(0.040) [ND(0.81)]	ND(0.040) [ND(0.81)]	0.69 [1.1]	0.69 [1.1]
		0.5-1	12/17/1996	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.047 P	0.047
UFP2-L7	UFP2-L7	0-0.5	12/17/1996	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.96	0.96
		0.5-1	12/17/1996	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.045 P	0.045
UFP2-L8	UFP2-L8	0-0.5	12/17/1996	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	1.5	1.5
		0.5-1	12/17/1996	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.089 P	0.089

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.
6. * = Sample located within/adjacent to a wetland area that did not create a polygon due to pre-determined removal activities.

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.
PD - Aroclor 1242 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1242 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.
J - Indicates an estimated value less than the practical quantitation limit (PQL).

ARCADIS

Appendix B

Summary of Analytical Data for Sediment Samples (PCBs and Appendix IX+3)

TABLE B-1
PRE-DESIGN INVESTIGATION SEDIMENT SAMPLING RESULTS FOR PCBs

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

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Parcel K12-9-1 (Non-Industrial)										
RAA10-UB-02	0-1	10/28/2003	ND(0.040) [ND(0.044)]	ND(0.040) [ND(0.044)]	ND(0.040) [ND(0.044)]	ND(0.040) [ND(0.044)]	ND(0.040) [ND(0.044)]	0.28 [0.32]	0.41 [0.34]	0.69 [0.66]
RAA10-UB-05	0-1	10/28/2003	ND(0.57)	ND(0.57)	ND(0.57)	ND(0.57)	5.8	6.8	4.6	17.2
RAA10-UB-10	0-1	10/28/2003	ND(0.085)	ND(0.085)	ND(0.085)	ND(0.085)	1.1	1.1	0.52	2.72
RAA10-UB-11	0-1	10/28/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.19	0.20	0.39
Southern Inundated (Palustrine/Emergent) Wetland Area										
RAA10-UB-06	0-1	10/28/2003	ND(0.69)	ND(0.69)	ND(0.69)	ND(0.69)	8.6	10	5.6	24.2
RAA10-UB-07	0-1	10/28/2003	ND(0.41)	ND(0.41)	ND(0.41)	ND(0.41)	5.5	8.2	4.0	17.7
RAA10-UB-08	0-1	10/28/2003	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	11	12	7.9	30.9
RAA10-UB-09	0-1	10/28/2003	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	17	15	8.2	40.2
Parcel L12-2-1										
RAA10-UB-25	0-1	11/6/2003	ND(7.2) J	ND(7.2) J	ND(7.2) J	ND(7.2) J	ND(7.2) J	28 J	38 J	66 J
RAA10-UB-29	0-1	11/6/2003	ND(0.71)	ND(0.71)	ND(0.71)	ND(0.71)	ND(0.71)	7.6	9.1	16.7
Parcel L11-4-11										
RAA10-UB-45	0-1	11/6/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.21	0.26	0.47

Notes:

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

Data Qualifiers:

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

TABLE B-2
EPA SEDIMENT SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - REMAINDER
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 (Non-Industrial)											
BE0050A	BE0050A	0-0.5	7/7/1998	NA	NA	NA	NA	NA	210	180	390
Southern Inundated (Palustrine/Emergent) Wetland Area											
BE0051A	BE0051A	0-0.5	7/7/1998	NA	NA	NA	NA	NA	ND(0)	460	460
BM0049A	BM0049A	0-0.5	7/7/1998	NA	NA	NA	NA	NA	14	16	30
BM0050A	BM0050A	0-0.5	7/7/1998	NA	NA	NA	NA	NA	29	19	48
Parcel L12-1-5											
UC2060	UC2060A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	5.1	7.5	13
UC2272	UC2272A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	11 [12]	8.7 [18]	20 [30]
Parcel L12-1-101											
UC1411	UC1411A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	2.5 [3.5]	2.9 [3.6]	5.4 [7.1]
UC1474	UC1474A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	4.3	4.5	8.8
Parcel K11-4-2											
UC1377	UC1377A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	3.6 [2.3]	3.1 [3.1]	6.7 [15]
UC2110	UC2110A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	3.2 [2.1]	2.5 J [1.9]	5.7 J [4.0]
UC2160	UC2160A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	1.0	0.80	1.8
UC2210	UC2210A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	0.90	1.8	2.7
Parcel L12-2-1											
UC0750	UC0750A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	6.6 J	5.7 J	12 J
UC0900	UC0900A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	35	42 J	77 J
UC1000	UC1000A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	6.2	4.6	11
UC1050	UC1050A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	3.6	3.8	7.4
UC1150	UC1150A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	1.3 J	1.3	2.6 J
UC1205	UC1205A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	3.7 J	3.5 J	7.2 J
Parcel L11-4-11											
UC0000	UC0000A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	2.6	2.6	5.2
UC0050	UC0050A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	ND(0.40)	ND(0.40)	ND(0.40)
UC0100	UC0100A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	1.9 J	2.2 J	4.1 J
UC0150	UC0150A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	2.7 J	2.2 J	4.9 J
UC0200	UC0200A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	1.9 J	1.9 J	3.8 J
UC0250	UC0250A	0-0.5	8/24/1998	NA	NA	NA	NA	NA	1.9 J	1.6	3.5 J
UC0300	UC0300A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	1.7	2.8 J	4.5 J
UC0342	UC0342A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	1.4	1.0 J	2.4 J
UC0355	UC0355A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	3.6	3.8 J	7.4 J
UC0400	UC0400A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	1.3	2.2 J	3.5 J
UC0450	UC0450A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	ND(1.2) [ND(1.3)]	3.0 [3.7]	3.0 [3.7]
UC0500	UC0500A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	6.9	7.6	15
UC0550	UC0550A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	4.8 J	8.4	13 J
UC0600	UC0600A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	ND(3.9) [ND(3.7)]	2.6 [1.4]	2.6 [1.4]
UC0650	UC0650A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	2.8	1.6	4.4
UC0700	UC0700A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	1.3 J	1.9 J	3.2 J
UC0800	UC0800A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	ND(3.8)	3.6 J	3.6 J
UC0850	UC0850A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	5.3 J	5.5 J	11 J
UC0950	UC0950A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	2.7 [4.0]	4.4 J [6.7 J]	7.1 J [11 J]
UC1100	UC1100A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	11 J	16	27 J

TABLE B-2
EPA SEDIMENT SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - REMAINDER
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 L11-4-11 (continued)											
UC1250	UC1250A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	5.3	4.7	10
UC1300	UC1300A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	1.0	0.80	1.8
UC1319	UC1319A	0-0.5	8/26/1998	NA	NA	NA	NA	NA	2.5	1.8	4.3
UE0450	UE0450A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	16 J	23	39 J
UW0370	UW0370A	0-0.5	8/25/1998	NA	NA	NA	NA	NA	ND(1.7) [0.53]	1.2 J [0.87]	1.2 J [1.4]

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.
4. Field duplicate sample results are presented in brackets.

Data Qualifiers:

J - Estimated Value.

TABLE B-3
HISTORICAL SEDIMENT SAMPLING RESULTS FOR PCBs

CONCEPTUAL RD/RA WORK PLAN FOR UNKAMET BROOK AREA - REMAINDER
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 (Non-Industrial)											
UB-IRA-1-C1	UB-IRA-1-C1	0-0.5	7/8/1998	ND(0.40) [ND(0.28)]	ND(0.40) [ND(0.28)]	ND(0.40) [ND(0.28)]	ND(0.40) [ND(0.28)]	ND(0.40) [ND(0.28)]	ND(0.40) [ND(0.28)]	3.6 AG [1.4 AG]	3.6 [1.4]
UB-IRA-3-C1	UB-IRA-3-C1	0-0.5	7/8/1998	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	0.97 AG	0.97
UB-IRA-4-C1	UB-IRA-4-C1	0-0.5	7/8/1998	ND(0.84)	ND(0.84)	ND(0.84)	1.1 PD	ND(0.84)	14 AF	10 AG	25.1
UB-IRA-5-C1	UB-IRA-5-C1	0-0.5	7/8/1998	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	2.1 AF	1.2 AG	3.3
UB-IRA-16-C1	UB-IRA-16-C1	0-0.5	7/7/1998	ND(6.8)	ND(6.8)	ND(6.8)	29 PD	ND(6.8)	61 AF	37 AG	127
UB-IRA-17-C1	UB-IRA-17-C1	0-0.5	7/7/1998	ND(2.1)	ND(2.1)	ND(2.1)	8.7 PD	ND(2.1)	22 AF	16 AG	46.7
UB-IRA-19-C1	UB-IRA-19-C1	0-0.5	7/7/1998	ND(4.2)	ND(4.2)	ND(4.2)	9.8 PD	ND(4.2)	15 AF	12 AG	36.8
UB-IRA-20-C1	UB-IRA-20-C1	0-0.5	7/7/1998	ND(4.2)	ND(4.2)	ND(4.2)	75 PD	ND(4.2)	ND(4.2)	46 AG	121
UB-IRA-21-C1	UB-IRA-21-C1	0-0.5	7/7/1998	ND(1.0)	ND(1.0)	ND(1.0)	12 PD	ND(1.0)	18 AF	16 AG	46
USW-1	SEW-1-0006	0-0.5	9/30/1991	ND(12)	NA	ND(12)	ND(12)	ND(12)	ND(13)	360	360
	SEW-1-0612	0.5-1	9/30/1991	ND(9.5)	NA	ND(9.5)	ND(9.5)	ND(9.5)	ND(14)	180	180
USW-2	SEW-2-0006	0-0.5	9/30/1991	13 E	NA	ND(0.050)	ND(0.050)	ND(0.050)	9.2	17	39.2
	SEW-2-0612	0.5-1	9/30/1991	66	NA	ND(0.050)	ND(0.050)	ND(0.050)	77	290	433
Parcel L11-4-11											
USW-4	SEW-4-0006	0-0.5	9/30/1991	1.0	NA	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	3.7	4.7
	SEW-4-0612	0.5-1	9/30/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.070	0.070
USW-8	SEW-8-0006	0-0.5	9/30/1991	0.36	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.52	2.2	3.08
	SEW-8-0612	0.5-1	9/30/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
USW-10	SEW-10-0006	0-0.5	9/30/1991	1.8	NA	ND(0.050)	ND(0.050)	ND(0.050)	1.6	8.2	11.6
	SEW-10-0612	0.5-1	9/30/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.060	0.060

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. 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.
PD - Aroclor 1242 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1242 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.
E - Analyte exceeded calibration range.