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*Transmitted Via Overnight Courier*

May 9, 2005

Mr. William P. Lovely, Jr. (MC HBO)  
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**Re: GE-Pittsfield/Housatonic River Site  
Lyman Street Area (GECD430)  
Conceptual Removal Design/Removal Action Work Plan Addendum**

Dear Mr. Lovely:

Enclosed for your review is GE's *Conceptual Removal Design/Removal Action Work Plan Addendum for the Lyman Street Area* (Work Plan Addendum). This document mainly covers the additional sampling that GE recently performed at Sub-Parcel 201A within the overall Parcel I9-4-201. As required by EPA, this sub-area has been evaluated according to the Performance Standards for residential properties due to the presence of the daycare facility (Kid-Zone). In addition, GE has reevaluated the commercial portions of Parcels I9-4-201 and I9-4-203 based on the new data mentioned above and provided these results. Finally, the Work Plan Addendum includes a description of additional soil removal at the recreational portion of Parcel I9-4-19 as proposed by GE in the document entitled *Lyman Street Area, Supplement to Conceptual Removal Design/Removal Action Area Work Plan*, and approved by EPA's letter dated February 10, 2005.

Please call Dick Gates if you have any questions about this document.

Sincerely,

*Andrew T. Silfer, P.E.*

Andrew T. Silfer, P.E.  
GE Project Coordinator

Enclosure

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Mr. William P. Lovely, Jr.  
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*Conceptual Removal Design/  
Removal Action Work Plan  
Addendum for the  
Lyman Street Area*

**General Electric Company  
Pittsfield, Massachusetts**

**May 2005**



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## **1. Introduction**

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The October 2000 Consent Decree (CD) for the GE-Pittsfield/Housatonic River Site requires that the General Electric Company (GE) perform Removal Actions to address polychlorinated biphenyls (PCBs) and other hazardous constituents present in soils, sediment, and groundwater in several Removal Action Areas (RAAs). 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 documents that must be prepared to support the response actions for each RAA. These documents typically 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.

One of the RAAs subject to the CD and SOW is the Lyman Street Area. The location of that RAA is shown on Figure 1-1, and a more detailed site plan is provided on Figure 1-2. In March 2004, based on data from pre-design investigations and other prior investigations, GE submitted to the U.S. Environmental Protection Agency (EPA) a Conceptual RD/RA Work Plan for the Lyman Street Area (Conceptual Work Plan). That Work Plan presented evaluations concerning the need for and scope of soil-related remediation actions to address PCBs and other constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents – benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine (Appendix IX+3). It also included a proposal for soil remediation actions at the Lyman Street Area.

In a letter dated January 10, 2005, EPA conditionally approved the Conceptual Work Plan and directed GE to prepare a supplement to the work plan to address the conditions contained therein. One of those conditions stated the owner of one of the properties within the Lyman Street Area, Parcel I9-4-201, had informed EPA that the lessor of a portion of that property, which operates a child day-care facility, plans to construct an outdoor playground adjacent to the back portion of the building. Therefore, EPA required that the area adjacent to the day-care facility within Parcel I9-4-201 (which was identified as Sub-Area 201A and evaluated as a commercial area in the Conceptual Work Plan) be evaluated, as a separate area, in accordance with the Performance Standards established in the CD and SOW for residential properties. In addition, EPA noted that the boundary between Sub-Area 201A and the remainder of Parcel I9-4-201 should be slightly adjusted, and it directed GE to submit a proposal for the collection of supplemental soil samples at Sub-Area 201A (as revised) so that sampling of that area would meet the requirements of the SOW for sampling at residential areas.

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In response, on January 28, 2005 GE submitted a supplement to the Conceptual Work Plan that included a figure showing the revised boundaries of Sub-Area 201A (incorporated into Figure 1-2 hereto) and a proposal for additional soil sampling at that sub-area as necessary to meet the requirements for sampling at residential areas. That supplement also addressed the remaining comments in EPA's January 10, 2005 conditional approval letter, which pertained to certain other parcels in the Lyman Street Area (i.e., Parcels I9-4-14, I9-4-19, and I9-8-1).

By letter dated February 10, 2005, EPA approved the supplement to the Conceptual Work Plan and directed GE to submit, within three months, an Addendum to the Conceptual Work Plan presenting (a) the results from the additional sampling at Sub-Area 201A, (b) revised RD/RA evaluations and, if necessary, revised soil removal limits based on those additional data, and (c) a schedule for submitting a Final RD/RA Work Plan for the Lyman Street Area. GE subsequently performed the additional soil sampling at Sub-Area 201A on February 23-25, 2005.

This Conceptual Work Plan Addendum (Work Plan Addendum) presents the following:

- Section 2 provides a summary of the additional soil sampling conducted at Sub-Area 201A and the results of that sampling.
- Section 3 presents revised RD/RA evaluations for three evaluation areas affected by the additional sampling and the change in applicable Performance Standards for Sub-Area 201A: (1) Sub-Area 201A itself (now evaluated under residential Performance Standards); (2) the remainder of Parcel I9-4-201 (evaluated under commercial Performance Standards); and (3) the commercial portion of Parcel I9-4-203, which is adjacent to Sub-Area 201A and was affected by some of the additional PCB data from Sub-Area 201A. In addition, Section 3 presents a revised soil remediation proposal for these three areas, as well as revised post-remediation evaluations to demonstrate that the applicable Performance Standards under the CD and SOW will be achieved. Further, Section 3 describes slight modifications to the soil removal limits for the recreational portion of Parcel I9-4-19 to reflect comments in EPA's January 10, 2005 conditional approval letter for the Conceptual Work Plan.
- Section 4 proposes a schedule for submission of a Final RD/RA Work Plan for the Lyman Street Area.

The above-described discussions are supported by tables, figures, and several appendices, as described in subsequent sections of this Work Plan Addendum.

## **2. Summary of Additional Investigations at Sub-Area 201A**

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### **2.1 General**

As noted above, EPA's January 10, 2005 conditional approval letter directed GE to perform additional sampling at Sub-Area 201A as necessary to meet the SOW requirements for sampling at residential areas. GE proposed such sampling in its January 28, 2005 supplement to the Conceptual Work Plan, and EPA approved that proposal on February 10, 2005. This section describes the additional sampling conducted by GE at Sub-Area 201A.

### **2.2 Additional Investigation Activities**

GE performed additional soil investigations at Sub-Area 201A on February 23-25, 2005, in accordance with the EPA-approved proposal in the supplement to the Conceptual Work Plan. Specifically, a 25-foot sampling grid pattern was established across the area to identify surface soil sampling locations. (This sub-area had already been subject to subsurface sampling on a 50-foot grid.) Where existing sampling data were not sufficient to satisfy a grid sampling node, GE collected additional surface soil samples. In total, GE collected 30 PCB soil samples from the 0- to 1-foot depth increment to supplement the sampling previously conducted within this sub-area. The locations of those samples (along with all soil samples previously collected at the Lyman Street Area and evaluated in the Conceptual Work Plan) are shown on Figure 2-1.

In addition, although the existing non-PCB data set met the requirements in the SOW for Appendix IX+3 sampling at residential areas, two additional subsurface soil samples were collected and analyzed for non-PCB Appendix IX+3 constituents (excluding pesticides/herbicides) to provide better coverage for the northern portion of Sub-Area 201A. These samples were collected at locations RAA12-NO14 (1- to 3-foot depth increment) and RAA12-OP13 (6- to 10-foot depth increment), as shown on Figure 2-1.

Sampling and analysis activities were conducted in accordance with GE's *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP). The subsurface boring logs for the additional investigation are presented in Appendix A and analytical results from this additional investigation are presented, for both PCBs and other Appendix IX+3 constituents, in Appendix B.

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## **2.3 Data Quality Assessment**

The results of this additional investigation at Sub-Area 201A have been subjected to data quality review and validation in accordance with Section 7.5 of the FSP/QAPP. The results of this assessment are summarized in a data validation summary report presented in Appendix C. As indicated in that report, 100% of the data from the additional investigation at Sub-Area 201A are usable, which is greater than the minimum required usability of 90% specified in the FSP/QAPP.

## ***3. Revised PCB and Non-PCB Soil Evaluations***

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### **3.1 General**

This section presents the results of revised RD/RA evaluations and remediation proposals for three evaluation areas within the Lyman Street Area: (1) Sub-Area 201A, which has been reevaluated in consideration of the additional sampling data discussed in Section 2 and the Performance Standards for residential areas provided in the CD and SOW; (2) the remainder of Parcel I9-4-201, to reflect the elimination of Sub-Area 201 from the previous evaluations; and (3) Parcel I9-4-203, which has been reevaluated since the additional investigations at adjacent Sub-Area 201A influence the previous calculation of the PCB spatial average concentration for the surface soils.

In this section, the following information is presented for each of the foregoing evaluation areas:

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

The Conceptual Work Plan provided a description of the Performance Standards and evaluation procedures for PCBs and other Appendix IX+3 constituents at the various evaluation areas at the Lyman Street Area. For those areas that were reevaluated, the same procedures were used and will not be repeated in this document, except as otherwise described below.

In support of the evaluations and proposals presented in this section, GE has prepared several figures, tables, and appendices:

- Figure 3-1 is a revised version of the figure from the Conceptual Work Plan showing the preliminary soil-related response actions proposed by GE. This figure has been updated to reflect GE's currently proposed remediation actions.

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- Appendix D provides revised spatial averaging tables for the PCB evaluations of the three areas reevaluated. It also includes revised Theissen polygon maps that take account of the additional PCB data collected at Sub-Area 201A.
  - Appendix E provides revised evaluation tables developed in support of the Appendix IX+3 evaluations at Sub-Area 201A and the remainder of Parcel I9-4-201. Figure 2-1 shows the location where those Appendix IX+3 samples were collected.
  - Finally, since the reevaluation of the commercial portion of Parcel I9-4-201 required an area-specific risk assessment of the non-PCB constituents (as discussed below), that risk assessment is presented in Appendix F.

## **3.2 Evaluations for Sub-Area 201A**

As previously discussed, Sub-Area 201A has been evaluated separately from the rest of Parcel I9-4-201, using the Performance Standards for residential areas, due to the day-care facility's plans to construct an outdoor play area within that sub-area. The PCB Performance Standards for residential areas require soil removal/replacement as necessary to achieve spatial average PCB concentrations of 2 ppm in both the 0- to 1-foot and 1- to X-foot depth increments (where X is the maximum depth at which PCBs were detected, down to 15 feet). Because PCBs were detected to a depth of 15 feet at Sub-Area 201A, the depth increments subject to evaluation are 0 to 1 and 1 to 15 feet. In addition, since this sub-area exceeds 0.25 acres in size, GE must remove all soils containing PCB concentrations greater than 10 ppm from the top foot in unpaved portions.

### **3.2.1 PCB Evaluation – Existing Conditions**

The first step in the evaluation of the PCB data for Sub-Area 201A involved a determination of whether any individual PCB sample results in the top foot of soil in unpaved areas exceeded the 10 ppm not-to-exceed (NTE) concentration for residential properties. As shown on Tables D-1 and D-2, there are eight surface sample locations (RAA12-RS14, -RS14.5, -RS15, -S13, -S14.5, -S15.5, -ST13, and RB010761) located in the rear (southern) portion of the sub-area where PCB concentrations were detected in excess of the NTE level. Thus, soils associated with these samples will be subject to removal.

The next step in the PCB evaluation process involved the evaluation of the PCB soils data using the spatial averaging procedures described in the Conceptual Work Plan to calculate average PCB concentrations for each

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of the relevant depth increments. The following table presents the existing average PCB concentrations that were calculated for Sub-Area 201A, together with references to the corresponding tables in Appendix D and the applicable Performance Standard:

<u>Depth Increment</u>	<u>Appendix D Table Reference</u>	<u>Existing Average PCB Concentration (ppm)</u>	<u>Performance Standard (ppm)</u>
0 – 1'	D-1	14.11	2
1 – 15'	D-2	6.16	2

As indicated above, the existing average PCB concentrations for both of these depth increments are above the Performance Standard. As a result, remediation is necessary to achieve that standard.

### **3.2.2 Appendix IX+3 Evaluation – Existing Conditions**

The Appendix IX+3 data used in the evaluation of Sub-Area 201A are included in Table E-1.

#### **3.2.2.1 Screening Evaluation**

Consistent with the protocols established in the SOW and summarized in the Conceptual Work Plan, the maximum concentration of each detected non-PCB constituent (other than dioxins/furans) was compared to its corresponding Screening Preliminary Remediation Goal (PRG). For this comparison, the Screening PRGs consisted of the EPA Region 9 PRGs for residential areas, as well as the surrogate PRGs previously discussed in the Conceptual Work Plan.

Table E-2 identifies the detected constituents at Sub-Area 201A and provides a comparison of the maximum detected concentration for 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
- Lead

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As a result of this screening, the above-listed constituents were retained for further evaluation. In addition, in accordance with the SOW, the dioxin/furan data were used to calculate toxicity equivalency quotient (TEQ) concentrations, and those TEQs were also retained for further evaluation.

### **3.2.2.2 Evaluation of Retained Constituents**

For the Appendix IX+3 constituents retained for further evaluation (except for dioxin/furan TEQs), the next step in the Appendix IX+3 evaluations involved the comparison of average constituent concentrations in each relevant depth increment (i.e., the 0- to 1-foot and 1- to 15-foot depth increments) to the applicable MCP Method 1 soil standards. For this comparison, to be consistent with a recent agreement between GE and EPA for floodplain properties subject to the CD, GE has used the MDEP's "Wave 2" Method 1 soil standards, which were proposed by MDEP in September 2004 and are expected to be finalized shortly, prior to the implementation of any remediation at the Lyman Street Area. Since this sub-area is subject to residential standards, GE has used the category S-1 soil standards within the Method 1 (Wave 2) standards in this comparison. (For the constituents that were subject to evaluation, these standards are the same regardless of whether the groundwater is classified as GW-2 or GW-3.) For dioxin/furan TEQ, the maximum TEQ concentration in each relevant depth increment was compared to the applicable EPA PRG for such TEQs in residential areas, which is 1 part per billion (ppb) for both the 0- to 1-foot and the 1- to 15-foot depth increments.

Tables E-3 through E-4 present the evaluations of retained constituents for the 0- to 1-foot and 1- to 15-foot depth increments. As indicated in those tables, all dioxin/furan TEQ concentrations are below the applicable PRG, while the average concentration of the other retained constituents do not exceed the MCP Method 1 (Wave 2) soil standards in the relevant depth increments. Therefore, no remediation is required at Sub-Area 201A to address non-PCB Appendix IX+3 constituents.

### **3.2.3 Proposed Remediation and Post-Remediation Evaluation**

As discussed above in Section 3.2.1, GE has identified the need for remediation at Sub-Area 201A to address PCBs in soil. The proposed remediation is shown on Figure 3-1. This remediation will include removal of the top foot of soil around locations RAA12-RS14, -RS14.5, -RS15, -S13, -S14.5, -S15.5, -ST13, and RB010761 where exceedances of the NTE level have been identified. Further, this remediation will include the removal of certain areas where elevated concentrations of PCBs were detected at depths down to 6 feet. These removals

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will vary in depth between 1 and 6 feet and will involve the excavation of approximately 1,200 cubic yards of soil.

The proposed remediation shown on Figure 3-1 will result in removal of the surface soil with exceedances of the NTE level and will reduce the average PCB concentrations in the 0- to 1-foot and 1- to 15-foot depth increments at this sub-area below the Performance Standard, as shown in the following table:

<u>Depth Increment</u>	<u>Appendix D Table Reference</u>	<u>Post-Remediation Average PCB Concentration (ppm)</u>	<u>Performance Standard (ppm)</u>
0 – 1'	D-3	0.25	2
1 – 15'	D-4	1.94	2

It should be noted that monitoring well MW-4 is located within the planned removal area at the southern side of the building. Therefore, during the removal of soil at this area, GE will take necessary precautions so that this well is not damaged.

### **3.3 Evaluations for Parcel I9-4-201 – Commercial Area**

As shown on Figure 1-2, the remainder of Parcel I9-4-201 is a commercial property, located east of Sub-Area 201A. This parcel is non-GE-owned, and the owner has elected not to execute a Grant of Environmental Restriction and Easement (ERE). Hence, GE must implement a Conditional Solution at this property. For this portion of this parcel, the applicable PCB Performance Standards require soil removal/replacement as necessary to achieve spatial average PCB concentrations of 25 ppm in the top foot of soil (considering paved and unpaved portions together) and the top 3 feet of soil and 200 ppm in the 1- to 6-foot depth increment, and installation of an engineered barrier if the remaining spatial average concentration exceeds 100 ppm in the 0- to 15-foot depth increment. Further, since the commercial portion of this property is greater than 0.5 acre, the maximum PCB concentration in the top foot of unpaved soils in this area must be less than the applicable NTE concentration of 125 ppm.

#### **3.3.1 PCB Evaluation – Existing Conditions**

The first step in the evaluation process for the commercial portion of Parcel I9-4-201 involved the determination of whether any soil samples in the top foot of unpaved portions of this area had PCB concentrations greater than 125 ppm, the applicable NTE level. There are no such exceedances of the NTE level in this area. The next step

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involved the evaluation of the PCB soils data using the spatial averaging procedures described in the Conceptual Work Plan to calculate average PCB concentrations for each of the relevant depth increments. The following table presents the existing average PCB concentrations that were calculated for the commercial portion of Parcel I9-4-201, and references to the corresponding tables in Appendix D and the applicable Performance Standards:

<u>Depth Increment</u>	<u>Appendix D Table Reference</u>	<u>Existing Average PCB Concentration (ppm)</u>	<u>Performance Standard (ppm)</u>
0 – 1'	D-5	1.14	25
0 – 3'	D-6	3.47	25
1 – 6'	D-7	4.04	200
0 - 15'	D-8	1.69	100

As indicated above, the existing average PCB concentration for each of the specified evaluation depth increments is well below the corresponding Performance Standard. As a result, remediation is not required to achieve the applicable PCB Performance Standards for this area.

### **3.3.2 Appendix IX+3 Evaluation – Existing Conditions**

The Appendix IX+3 data used in the evaluations of the commercial portion of Parcel I9-4-201 are presented in Table E-5.

#### **3.3.2.1 Screening Evaluation**

Consistent with the protocols established in the SOW and summarized in the Conceptual Work Plan, the maximum concentration of each detected non-PCB constituent (other than dioxins/furans) was compared to its corresponding Screening PRG. For this comparison, the Screening PRGs consisted of the EPA Region 9 PRGs for industrial areas, as well as the surrogate PRGs previously discussed in the Conceptual Work Plan. Table E-6 identifies the detected constituents and provides a comparison of the maximum detected concentration for 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:

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

As a result of this screening, the above-listed constituents were retained for further evaluation, along with dioxin/furan TEQs.

### **3.3.2.2 Evaluation of Retained Constituents**

For the Appendix IX+3 constituents retained for further evaluation (except for dioxin/furan TEQs), the next component of the Appendix IX+3 evaluation involved the comparison of average constituent concentrations to the MCP Method 1 (Wave 2) soil standards. For this comparison, GE used the S-2 (Wave 2) standards for the 0- to 1-foot and 0- to 3-foot depth increments and the S-3 (Wave 2) standards for the 1- to 6-foot and 0- to 15-foot depth increments. (For the constituents that were subject to evaluation, these standards are the same regardless of whether the groundwater is classified as GW-2 or GW-3.) For dioxin/furan TEQs, the maximum TEQ concentration in each relevant depth increment was compared to the applicable EPA PRGs for such TEQs in commercial areas, which are 5 ppb for the top foot of soil and 20 ppb for deeper soil. GE also compared the maximum TEQ concentration in the 0- to 3-foot depth increment to a dioxin/furan TEQ criterion of 5 ppb.

Tables E-7 through E-10 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. As indicated in those tables, all dioxin/furan TEQ concentrations are below the applicable PRGs and other comparison criteria. However, the average lead concentrations for the 0- to 1-foot, 0- to 3-foot, 1- to 6-foot depth, and 0- to 15-foot depth increments are greater than the applicable MCP Method 1 (Wave 2) soil standard of 300 ppm. In addition, the average concentrations of benzo(a)pyrene in the 0- to 1-foot and 0- to 3-foot depth increments are greater than the applicable MCP Method 1 (Wave 2) soil standard of 4 ppm. As a result, GE proposes to perform remediation to achieve the applicable non-PCB Performance Standards for the commercial portion of this parcel.

### **3.3.3 Proposed Remediation and Post-Remediation Evaluation**

GE proposes to remove and replace the top foot of soil from around sample location RAA12-O16 on the commercial portion of Parcel I9-4-201, as shown on Figure 3-1. This remediation, which will involve the

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removal of approximately 27 cubic yards of soil, will address the elevated concentration of lead detected in the 0- to 1-foot sample from location RAA12-O16. (This remediation will also remove the reported concentrations of polycyclic aromatic hydrocarbons [PAHs] in the top foot of soil at this specific location, although, to be conservative, GE has not taken credit for that removal in the post-remediation evaluation, discussed below, because the extent of PAHs at that location was not delineated.)

Tables E-11 through E-13 present the anticipated post-remediation conditions for non-PCB constituents in the 0- to 1-foot, 0- to 3-foot, and 0- to 15-foot depth increments. As shown on these tables, the average concentrations of lead at this commercial area will be below the corresponding MCP Method 1 (Wave 2) standard of 300 ppm. However, since this evaluation did not take any credit for removal of PAH concentrations in the top foot at location RAA12-O16, the anticipated post-remediation concentrations of benzo(a)pyrene slightly exceed the MCP Method 1 (Wave 2) standard of 4 ppm in the 0- to 1-foot and 0- to 3-foot depth increments.

Therefore, an area-specific risk assessment has been performed for the commercial portion of Parcel I9-4-201. That risk assessment included all retained constituents and was performed for the 0- to 1-foot, 0- to 3-foot, and 1- to 6-foot depth increments, utilizing the same procedures described in Section 3.3.6 and Appendix F of the Conceptual Work Plan, which will not be repeated herein. A report on that risk assessment, prepared by GE's risk assessment consultants at AMEC Earth & Environmental, is attached as Appendix F hereto. That risk assessment shows that, under anticipated post-remediation conditions, both cancer risks and non-cancer hazards due to the retained constituents are below the benchmarks specified in the SOW, and that the average lead concentrations are well below the applicable risk-based concentrations (RBCs). Further, with respect to the 0- to 15-foot depth increment, Table E-14 demonstrates that the performance of the remediation shown on Figure 3-1 will result in post-remediation conditions where the average concentrations of all the non-PCB constituents are less than their corresponding MCP upper concentration limits (UCLs). For these reasons, the proposed remediation for the commercial portion of Parcel I9-4-201 will achieve the Performance Standards for non-PCB Appendix IX+3 constituents.

### **3.4 Evaluations for Parcel I9-4-203 – Commercial Area**

This section addresses the commercial portion of Parcel I9-4-203 adjacent to Sub-Area 201A and the Housatonic River (Figure 1-2). This parcel is non-GE-owned, and the owner has decided not to execute an ERE. Therefore, GE must implement a Conditional Solution at this property. For this commercial area, the applicable Performance Standards require soil removal/replacement as necessary to achieve spatial average PCB

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concentrations of 25 ppm in the top foot of soil (considering paved and unpaved portions together) and the top 3 feet of soil and 200 ppm in the 1- to 6-foot depth increment, and installation of an engineered barrier if the remaining spatial average PCB concentration in the 0- to 15-foot depth increment exceeds 100 ppm. However, since the commercial portion of this property is less than 0.5 acre, the NTE concentration for commercial properties is not applicable.

### **3.4.1 PCB Evaluation – Existing Conditions**

The evaluation process for the commercial portion of Parcel I9-4-203 involved the evaluation of the PCB soils data using the spatial averaging procedures described in the Conceptual Work Plan to calculate average PCB concentrations for each of the relevant depth increments. The following table presents the existing average PCB concentrations that were calculated for the commercial portion of Parcel I9-4-203, together with references to the corresponding tables in Appendix D and the applicable Performance Standards:

<u>Depth Increment</u>	<u>Appendix D Table Reference</u>	<u>Existing Average PCB Concentration (ppm)</u>	<u>Performance Standard (ppm)</u>
0 – 1'	D-9	28.26	25
0 – 3'	D-10	21.64	25
1 – 6'	D-11	14.94	200
0 - 15'	D-12	7.55	100

As indicated in the above table, the existing average PCB concentration for the 0- to 1-foot depth increment is above the corresponding Performance Standard. As a result, remediation is required to achieve the applicable PCB Performance Standards for this area.

### **3.4.2 Proposed Remediation and Post-Remediation Evaluation**

GE proposes to conduct soil removal/replacement activities within the commercial portion of Parcel I9-4-203, as shown on Figure 3-1. The proposed removal is related to sample RAA12-S13 (0- to 1-foot depth interval) located within the adjacent Sub-Area 201A, where PCBs at 430 ppm were detected, since the polygon associated with this sample extends onto Parcel I9-4-203. The proposed remediation will result in the removal of approximately 20 cy of soil from the top foot of the commercial portion of Parcel I9-4-203.

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This removal will result in the following post-remediation PCB concentrations at this area, all of which are below the applicable Performance Standards:

<u>Depth Increment</u>	<u>Appendix D Table Reference</u>	<u>Post-Remediation Average PCB Concentration (ppm)</u>	<u>Performance Standard (ppm)</u>
0 – 1'	D-13	15.94	25
0 – 3'	D-14	17.53	25
1 – 6'	D-11	14.94	200
0 – 15'	D-15	6.72	100

Because no additional Appendix IX+3 samples were collected at Parcel I9-4-203, the Appendix IX+3 evaluations previously provided in the Conceptual Work Plan for this evaluation area remain unchanged.

### **3.5 Additional Removal at Parcel I9-4-19 – Recreational**

Based on comments provided by EPA in its conditional approval of the Conceptual Work Plan, and as discussed in GE's January 28, 2005 supplement to that work plan, GE has elected to expand the proposed remediation for the recreational portion of Parcel I9-4-19 to include two additional areas of soil removal. First, since a portion of the PCB polygon associated with the 0- to 1-foot sample at location RAA12-V5 (which is situated on the commercial portion of Parcel I9-4-19) extends into the recreational portion, GE will remove the top foot of soil in the portion of that polygon that extends into the recreational portion of the parcel. This will involve removal of an additional approximately 4 cubic yards of PCB soils from the 0- to 1-foot increment at the recreational portion of this parcel. Second, for constructability reasons, GE will remove, to a depth of 3 feet, the narrow strip of soil (approximately 60 cubic yards) between the previously proposed 3-foot removal areas around locations RAA12-V6 and -W6, so as to connect those areas. These additional soil removals are incorporated into the revised soil removal limits for the recreational portion of Parcel I9-4-19, as shown on Figure 3-1. The Conceptual Work Plan demonstrated that, even without these additional removals, the proposed remediation will achieve the applicable Performance Standards for this area.

### **3.6 Review of Previous Evaluations of Non-PCB Constituents**

As noted in Section 3.2.2.2 above, based on recent agreement between GE and EPA for floodplain properties subject to the CD, GE has applied the MDEP's Wave 2 Method 1 soil standards, in lieu of the currently existing

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standards, in evaluating the non-PCB constituents in soil at the two areas where such constituents were reevaluated in this Addendum – Sub-Area 201A and the remainder of Parcel I9-4-201. GE has also checked to determine whether application of the Wave 2 Method 1 soil standards would change the outcome of any of the prior evaluations of non-PCB constituents at the other evaluation areas within the Lyman Street Area, which were evaluated using the existing Method 1 soil standards in the Conceptual Work Plan. GE has determined that application of the Wave 2 standards to these areas would not change the outcome of any of the non-PCB evaluations or the proposed remediation set forth in the Conceptual Work Plan.

## **4. Schedule**

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GE proposes to submit the Final RD/RA Work Plan for the Lyman Street Area RAA within 3 months of EPA's approval of this Work Plan Addendum. That document will include further information regarding the proposed soil remediation and related implementation activities. After making that submittal, GE will discuss with EPA the possible timing of remediation activities for the Lyman Street Area.

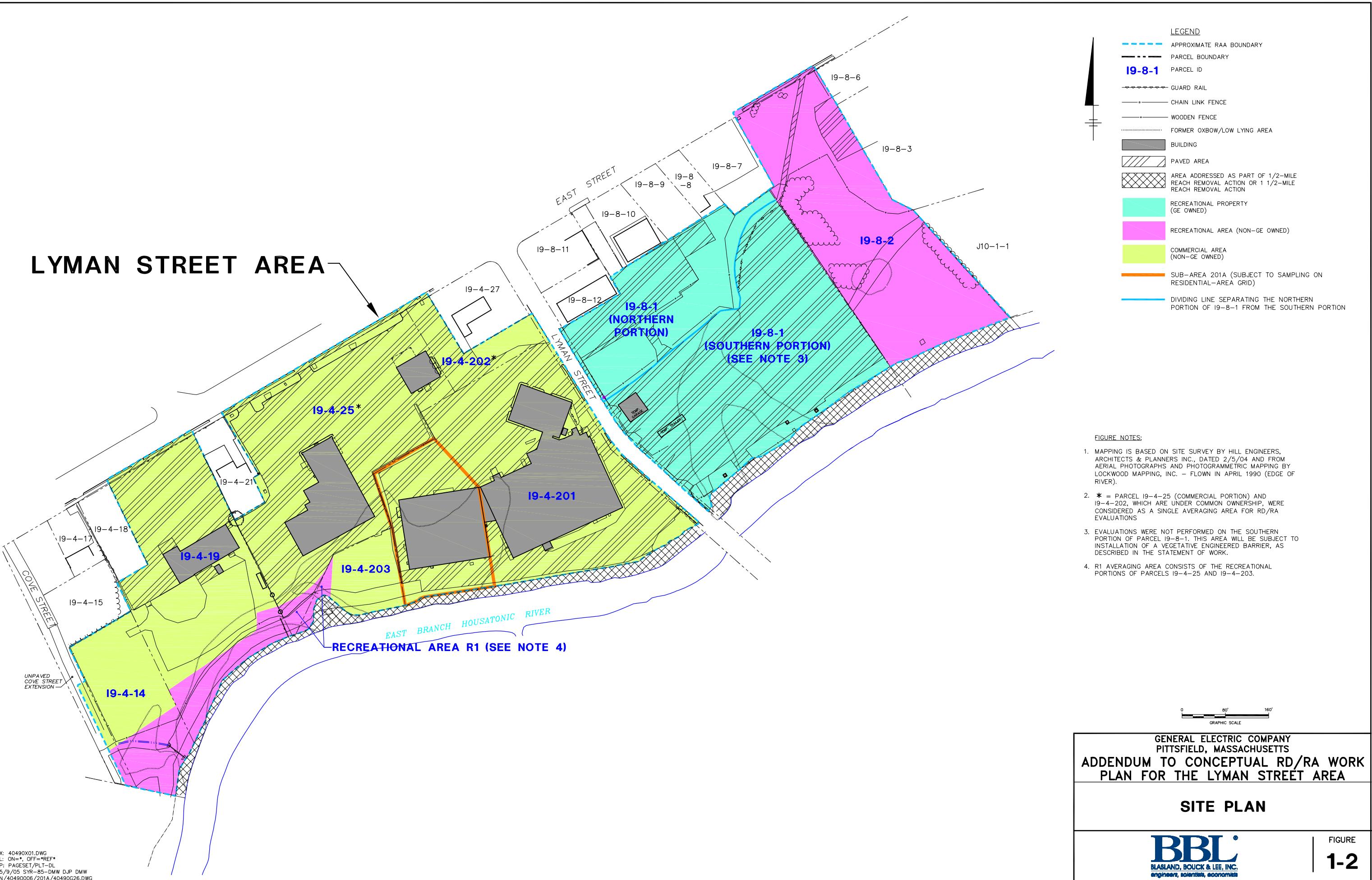
## ***Figures***

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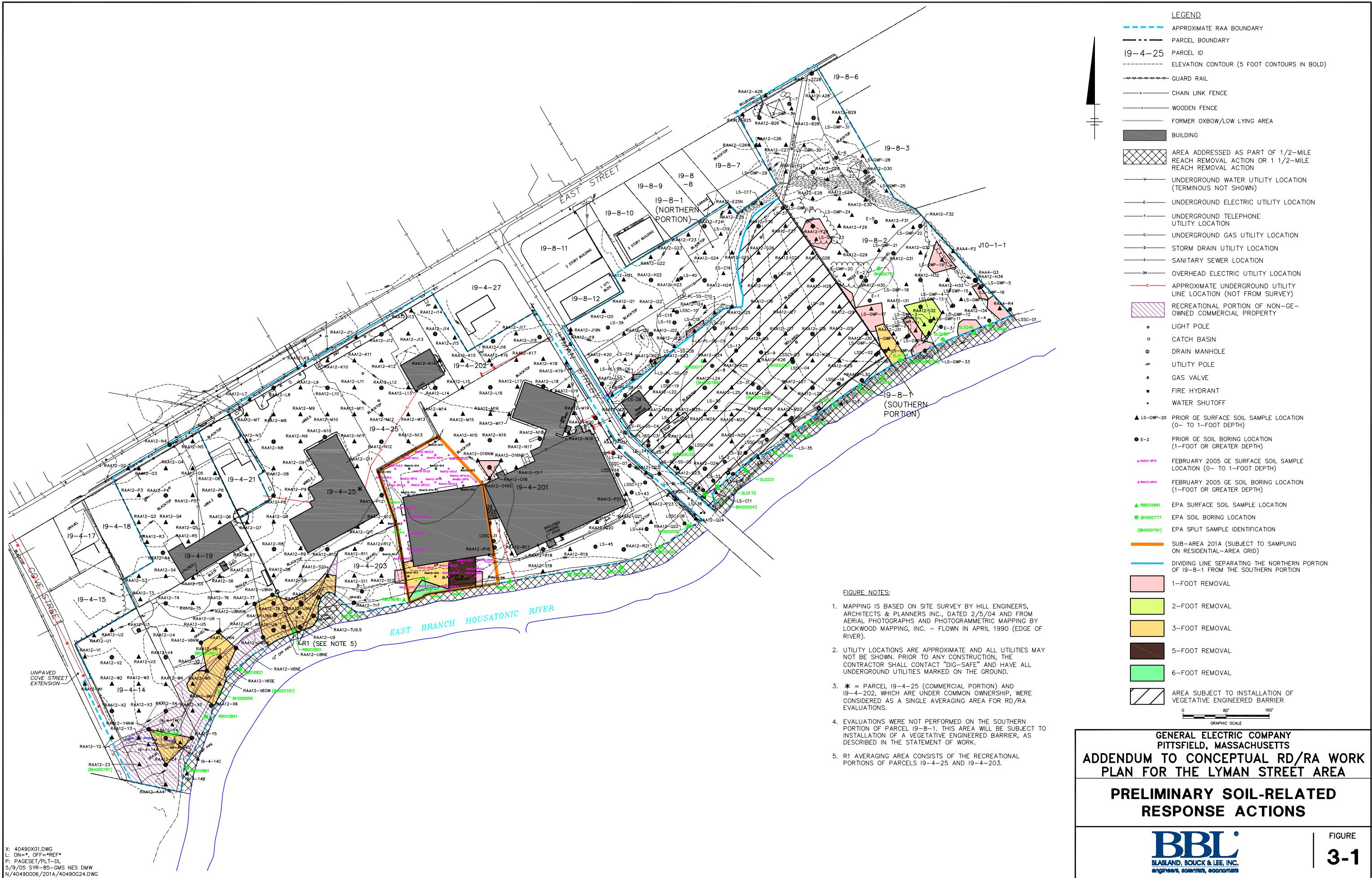


GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS  
ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN  
FOR THE LYMAN STREET AREA

### REMOVAL ACTION AREA







## ***Appendices***

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## ***Appendix A***

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### **Boring Logs (February 2005)**



**Date Start/Finish:** 2/23/05  
**Drilling Company:** BBL  
**Driller's Name:** TJM  
**Drilling Method:** Direct Push  
**Auger Size:** NA  
**Rig Type:** Tractor Mounted Power Probe  
**Sample Method:** 4' Macrocore

**Northing:** 532531.7  
**Easting:** 130303.3  
**Casing Elevation:** NA  
  
**Borehole Depth:** 1' below grade  
**Surface Elevation:** 984.4  
  
**Descriptions By:** TOR

**Boring ID:** RAA12-NO13  
  
**Client:** General Electric Company  
  
**Location:** Lyman Street Area  
**Parcel 19-4-201**  
**(Sub-Area 201A)**  
  
**Additional Soil Sampling**

DEPTH ELEVATION	Stratigraphic Description					Boring Construction
	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	
985						
0	1	0-1	1.0	0.0	bgs	Gray-brown fine to medium SAND over Asphalt (broken) and tree root.  Borehole backfilled with Bentonite.
-5						
-10						
-15						



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1': PCBs.

The water table was not encountered during boring advancement.

Date Start/Finish: 2/23/05 Drilling Company: BBL Driller's Name: TJM Drilling Method: Direct Push Auger Size: NA Rig Type: Tractor Mounted Power Probe Sample Method: 4' Macrocore	Northing: 532532.3 Easting: 130328.9 Casing Elevation: NA  Borehole Depth: 1' below grade Surface Elevation: 983.4  Descriptions By: TOR	Boring ID: RAA12-NO13.5  Client: General Electric Company  Location: Lyman Street Area Parcel I9-4-201 (Sub-Area 201A)  Additional Soil Sampling
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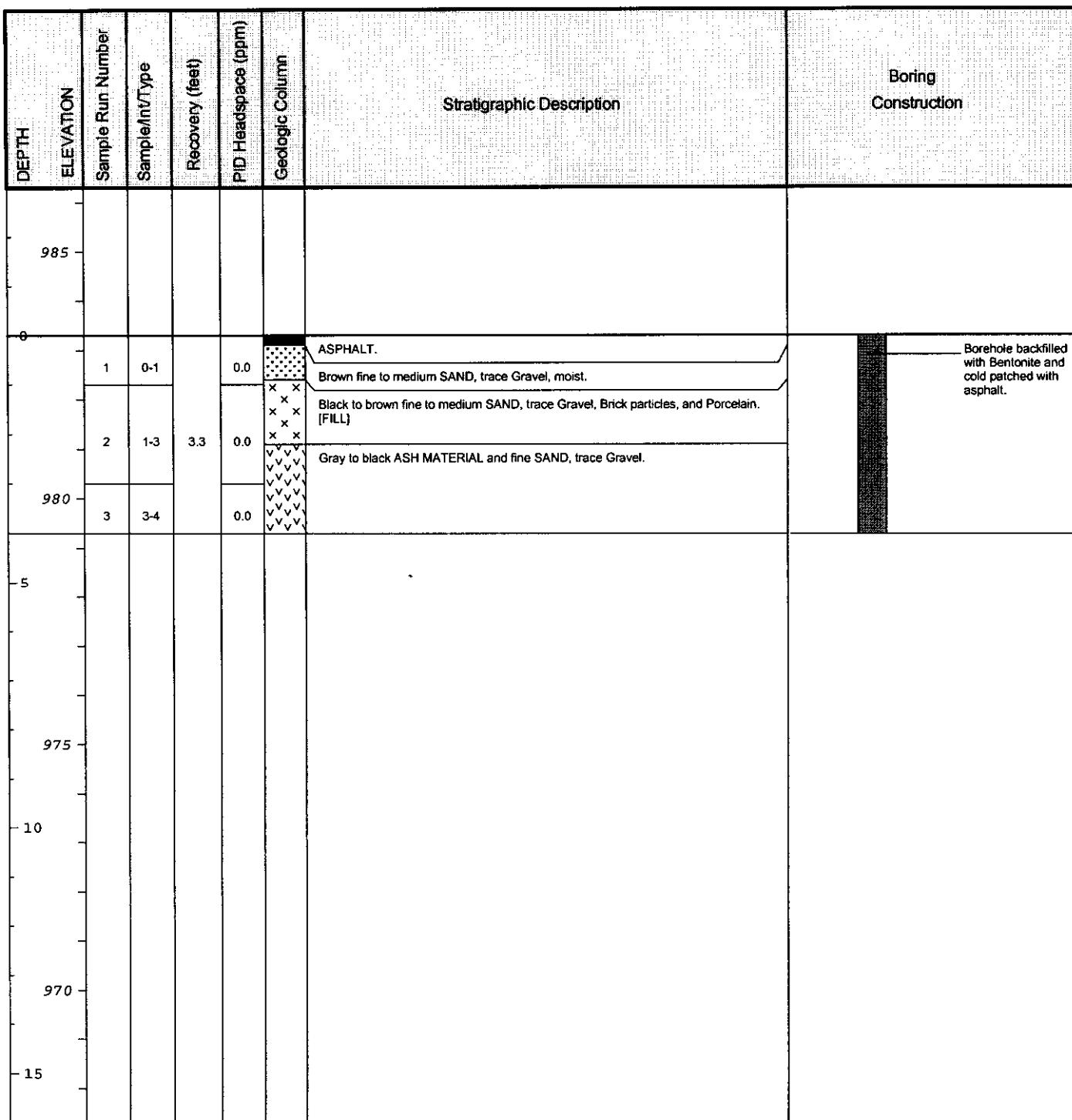
DEPTH ELEVATION	Stratigraphic Description					Boring Construction
	Sample Run Number	Sample/Mnt/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	
985						
0	1	0-1	1.0	0.0	ASPHALT. Brown fine to medium SAND, trace fine to medium Gravel fragments, moist.	Borehole backfilled with Bentonite and cold patched with asphalt.
5						
975						
10						
970						
15						

<b>BBL</b> BLASLAND, BOUCK & LEE, INC. engineers, scientists, economists	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1": PCBs. The water table was not encountered during boring advancement.
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**Date Start/Finish:** 2/25/05  
**Drilling Company:** BBL  
**Driller's Name:** PJD  
**Drilling Method:** Direct Push  
**Auger Size:** NA  
**Rig Type:** Tractor Mounted Power Probe  
**Sample Method:** 4' Macrocore

**Northing:** 532532.2  
**Easting:** 130353.8  
**Casing Elevation:** NA  
  
**Borehole Depth:** 4' below grade  
**Surface Elevation:** 983.3  
**Descriptions By:** TOR

**Boring ID:** RAA12-NO14  
**Client:** General Electric Company  
  
**Location:** Lyman Street Area  
**Parcel I9-4-201**  
**(Sub-Area 201A)**  
  
**Additional Soil Sampling**



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1': PCBs; 1-3': VOCs, SVOCs, Inorganics, PCDD/PCDF;

Duplicate Sample ID: RAA12-DUP-3 (VOCs, SVOCs, Inorganics, PCDD/PCDF; 1-3').

The water table was not encountered during boring advancement.



Date Start/Finish: 2/23/05  
 Drilling Company: BBL  
 Driller's Name: TJM  
 Drilling Method: Direct Push  
 Auger Size: NA  
 Rig Type: Tractor Mounted Power Probe  
 Sample Method: 4' Macrocore

Northing: 532532.2  
 Easting: 130378.8  
 Casing Elevation: NA

Borehole Depth: 1' below grade  
 Surface Elevation: 983.1

Descriptions By: TOR

Boring ID: RAA12-NO14.5

Client: General Electric Company

Location: Lyman Street Area

Parcel I9-4-201

(Sub-Area 201A)

Additional Soil Sampling

DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
985								
0								
	1	0-1	1.0	0.0	x x x x x x	ASPHALT. Brown fine to medium SAND, trace Gravel, Brick, Glass, and Shale, moist. [FILL]		Borehole backfilled with Bentonite and cold patched with asphalt.
980								
5								
975								
10								
970								
15								

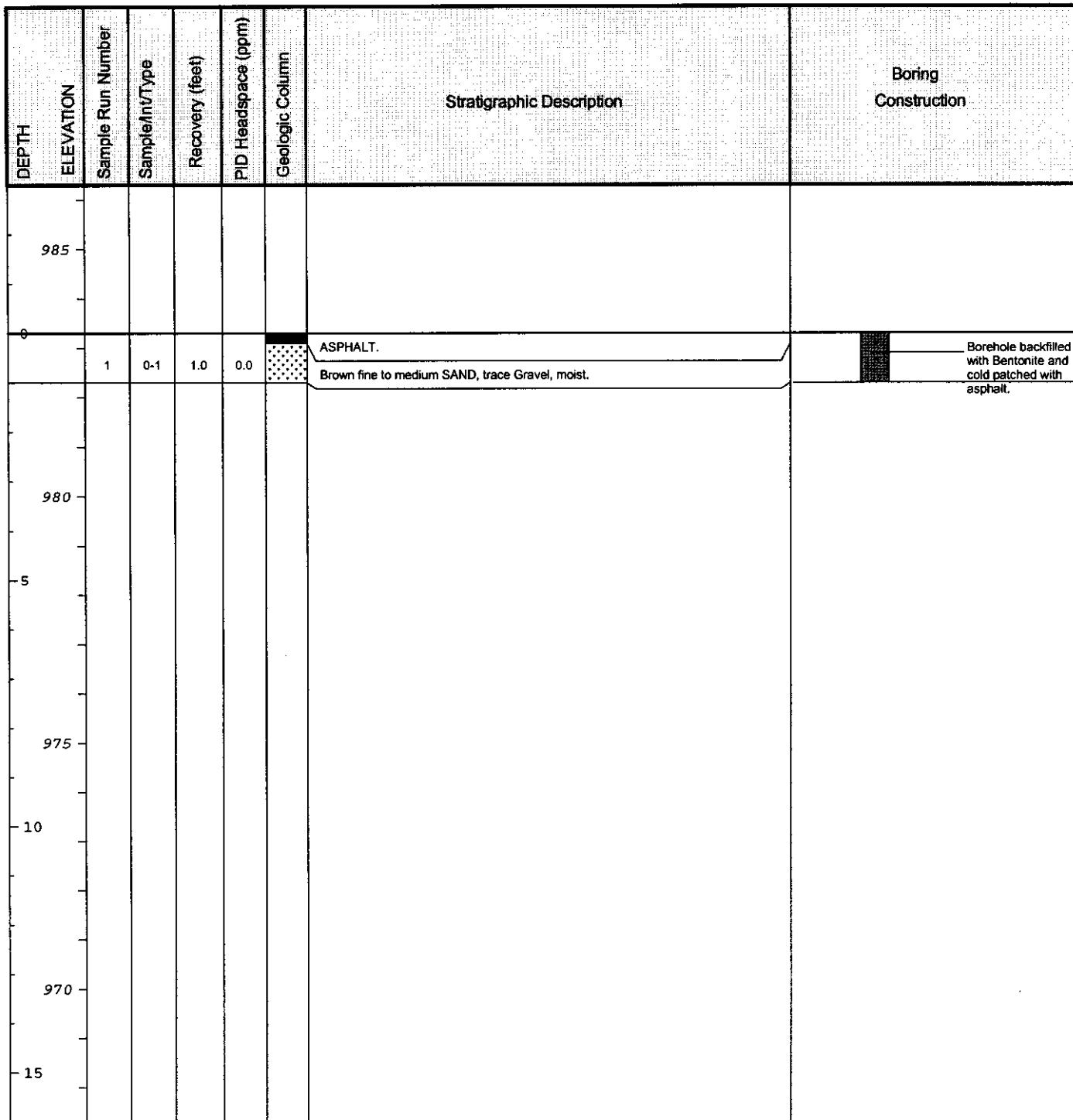


Remarks: bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1': PCBs.

The water table was not encountered during boring advancement.

Date Start/Finish: 2/23/05	Northing: 532506.8	Boring ID: RAA12-O12.5
Drilling Company: BBL	Easting: 130279.6	Client: General Electric Company
Driller's Name: TJM	Casing Elevation: NA	
Drilling Method: Direct Push	Borehole Depth: 1' below grade	Location: Lyman Street Area
Auger Size: NA	Surface Elevation: 983.3	Parcel 19-4-201
Rig Type: Tractor Mounted Power Probe	Descriptions By: TOR	(Sub-Area 201A)
Sample Method: 4' Macrocore		Additional Soil Sampling



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1': PCBs.

The water table was not encountered during boring advancement.

Date Start/Finish: 2/23/05 Drilling Company: BBL Driller's Name: TJM Drilling Method: Direct Push Auger Size: NA Rig Type: Tractor Mounted Power Probe Sample Method: 4' Macrocore	Northing: 532507.0 Easting: 130328.8 Casing Elevation: NA  Borehole Depth: 1' below grade Surface Elevation: 983.0  Descriptions By: TOR	Boring ID: RAA12-O13.5 Client: General Electric Company  Location: Lyman Street Area Parcel I9-4-201 (Sub-Area 201A)  Additional Soil Sampling
--	---	---

DEPTH ELEVATION	Sample Run Number	Sample Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
985								
0	1	0-1	1.0	0.0	ASPHALT. Brown fine to medium SAND, trace fine to medium Gravel fragments, moist.			Borehole backfilled with Bentonite and cold patched with asphalt.
980								
975								
10								
970								
15								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1'; PCBs.

The water table was not encountered during boring advancement.

Date Start/Finish: 2/23/05	Northing: 532507.0	Boring ID: RAA12-O14.5
Drilling Company: BBL	Easting: 130378.7	Client: General Electric Company
Driller's Name: TJM	Casing Elevation: NA	
Drilling Method: Direct Push	Borehole Depth: 1' below grade	Location: Lyman Street Area
Auger Size: NA	Surface Elevation: 983.0	Parcel I9-4-201
Rig Type: Tractor Mounted Power Probe	Descriptions By: TOR	(Sub-Area 201A)
Sample Method: 4' Macrocore		Additional Soil Sampling

DEPTH ELEVATION	Sample Run Number	Sample/ln/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
985								
0	1	0-1	1.0	0.0	x x x x	ASPHALT. Brown fine to medium SAND with fine to medium Gravel at bottom 1.0", moist. [FILL]		Borehole backfilled with Bentonite and cold patched with asphalt.
980								
5								
975								
10								
970								
15								

 <p>BLASLAND, BOUCK &amp; LEE, INC. engineers, scientists, economists</p>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs. The water table was not encountered during boring advancement.
--	---

Date Start/Finish: 2/23/05

Drilling Company: BBL

Driller's Name: TJM

Drilling Method: Direct Push

Auger Size: NA

Rig Type: Tractor Mounted Power Probe

Sample Method: 4' Macrocore

Northing: 532484.4

Easting: 130258.6

Casing Elevation: NA

Borehole Depth: 1' below grade

Surface Elevation: 982.4

Descriptions By: TOR

Boring ID: RAA12-OP12

Client: General Electric Company

Location: Lyman Street Area

Parcel I9-4-201

(Sub-Area 201A)

Additional Soil Sampling

DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
985								
0	1	0-1	1.0	0.0	bgs	Gray-black fine to medium SAND, trace Gravel and old Wire fragments.		Borehole backfilled with Bentonite and cold patched with asphalt.
980								
975								
10								
970								
15								



Remarks: bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1': PCBs.

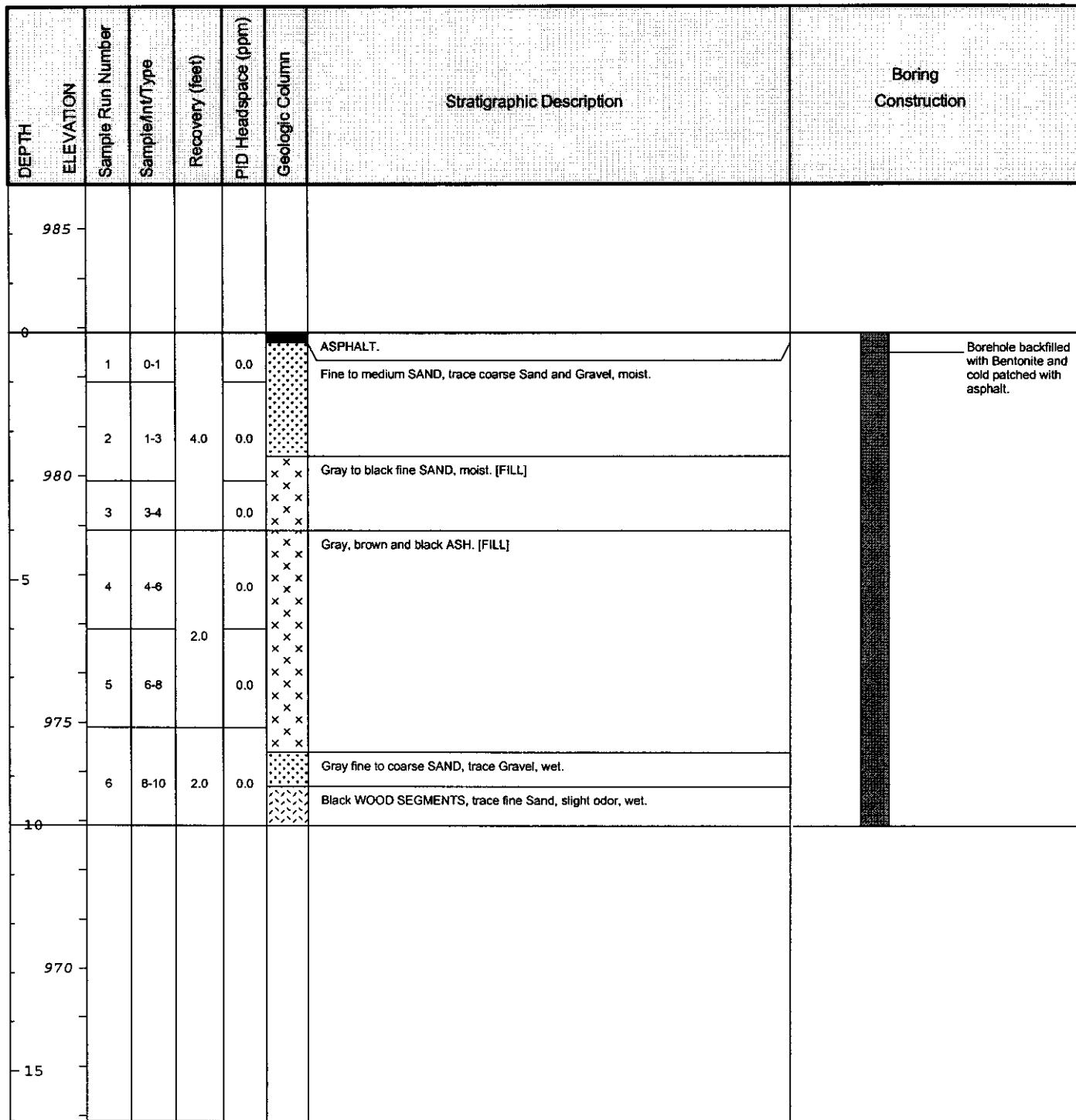
The water table was not encountered during boring advancement.

Date Start/Finish: 2/23/05	Northing: 532482.0	Boring ID: RAA12-OP12.5
Drilling Company: BBL	Easting: 130278.8	Client: General Electric Company
Driller's Name: TJM	Casing Elevation: NA	
Drilling Method: Direct Push	Borehole Depth: 1' below grade	Location: Lyman Street Area
Auger Size: NA	Surface Elevation: 983.1	Parcel 19-4-201
Rig Type: Tractor Mounted Power Probe	Descriptions By: TOR	(Sub-Area 201A)
Sample Method: 4' Macrocore		Additional Soil Sampling

DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
985								
0								
	1	0-1	1.0	0.0	ASPHALT. Brown fine to medium SAND, trace Gravel, moist.		Borehole backfilled with Bentonite and cold patched with asphalt.	
980								
5								
975								
10								
970								
15								

 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers, scientists, economists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1": PCBs. The water table was not encountered during boring advancement.
---	---

Date Start/Finish: 2/25/05	Northing: 532482.1	Boring ID: RAA12-OP13
Drilling Company: BBL	Eastings: 130303.7	Client: General Electric Company
Driller's Name: PJD	Casing Elevation: NA	
Drilling Method: Direct Push	Borehole Depth: 10' below grade	Location: Lyman Street Area
Auger Size: NA	Surface Elevation: 982.9	Parcel 19-4-201
Rig Type: Tractor Mounted Power Probe	Descriptions By: TOR	(Sub-Area 201A)
Sample Method: 4' Macrocore		Additional Soil Sampling



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.

**Analyses:** 0-1': PCBs; 6-10': VOCs (8-10'), SVOCs, Inorganics, PCDD/PCDF; MS/MSD collected (VOCs (8-10'), SVOCs, Inorganics, PCDD/PCDF; 6-10').

Water table apparently encountered at ~ 8.5' bgs due to the presence of wet soils at this depth.

Date Start/Finish: 2/23/05	Northing: 532482.1	Boring ID: RAA12-OP13.5
Drilling Company: BBL	Easting: 130328.7	Client: General Electric Company
Driller's Name: TJM	Casing Elevation: NA	
Drilling Method: Direct Push	Borehole Depth: 1' below grade	Location: Lyman Street Area
Auger Size: NA	Surface Elevation: 982.8	Parcel I9-4-201
Rig Type: Tractor Mounted Power Probe	Descriptions By: TOR	(Sub-Area 201A)
Sample Method: 4' Macrocore		Additional Soil Sampling

DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
985								
0	1	0-1	1.0	0.0	x x x x	ASPHALT. Brown fine to medium SAND, trace coarse Sand and Gravel, wet.		Borehole backfilled with Bentonite and cold patched with asphalt.
980								
975								
10								
970								
15								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1': PCBs.

The water table was not encountered during boring advancement.

Date Start/Finish: 2/23/05

Drilling Company: BBL

Driller's Name: TJM

Drilling Method: Direct Push

Auger Size: NA

Rig Type: Tractor Mounted Power Probe

Sample Method: 4" Macrocore

Northing: 532482.0

Easting: 130353.9

Casing Elevation: NA

Borehole Depth: 1' below grade

Surface Elevation: 982.7

Descriptions By: TOR

Boring ID: RAA12-OP14

Client: General Electric Company

Location: Lyman Street Area

Parcel I9-4-201

(Sub-Area 201A)

Additional Soil Sampling

DEPTH ELEVATION	Stratigraphic Description					Boring Construction
	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	
985						
0	1	0-1	1.0	0.0	ASPHALT. Brown fine to medium SAND, trace Gravel, moist.	Borehole backfilled with Bentonite and cold patched with asphalt.
980						
975						
10						
970						
15						



Remarks: bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1": PCBs.

The water table was not encountered during boring advancement.

Date Start/Finish: 2/23/05	Northing: 532482.3	Boring ID: RAA12-OP14.5
Drilling Company: BBL	Easting: 130379.2	Client: General Electric Company
Driller's Name: TJM	Casing Elevation: NA	
Drilling Method: Direct Push	Borehole Depth: 1' below grade	Location: Lyman Street Area
Auger Size: NA	Surface Elevation: 982.9	Parcel I9-4-201
Rig Type: Tractor Mounted Power Probe	Descriptions By: TOR	(Sub-Area 201A)
Sample Method: 4' Macrocore		Additional Soil Sampling

DEPTH ELEVATION	Stratigraphic Description					Boring Construction
	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	
985						
0	1	0-1	1.0	0.0	ASPHALT. Brown fine to medium SAND, trace Gravel, moist.	Borehole backfilled with Bentonite and cold patched with asphalt.
980						
975						
10						
970						
95						
15						



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1': PCBs.

The water table was not encountered during boring advancement.

**Date Start/Finish:** 2/23/05  
**Drilling Company:** BBL  
**Driller's Name:** TJM  
**Drilling Method:** Direct Push  
**Auger Size:** NA  
**Rig Type:** Tractor Mounted Power Probe  
**Sample Method:** 4' Macrocore

**Northing:** 532482.0  
**Easting:** 130403.8  
**Casing Elevation:** NA  
  
**Borehole Depth:** 1' below grade  
**Surface Elevation:** 982.8  
  
**Descriptions By:** TOR

**Boring ID:** RAA12-OP15  
**Client:** General Electric Company  
  
**Location:** Lyman Street Area  
**Parcel I9-4-201**  
**(Sub-Area 201A)**  
  
**Additional Soil Sampling**

DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
985								
0								
	1	0-1	1.0	0.0	x x x x	ASPHALT. Brown fine to medium SAND, trace Gravel and Brick pieces, wet to moist. [FILL]		Borehole backfilled with Bentonite and cold patched with asphalt.
980								
5								
975								
10								
970								
15								



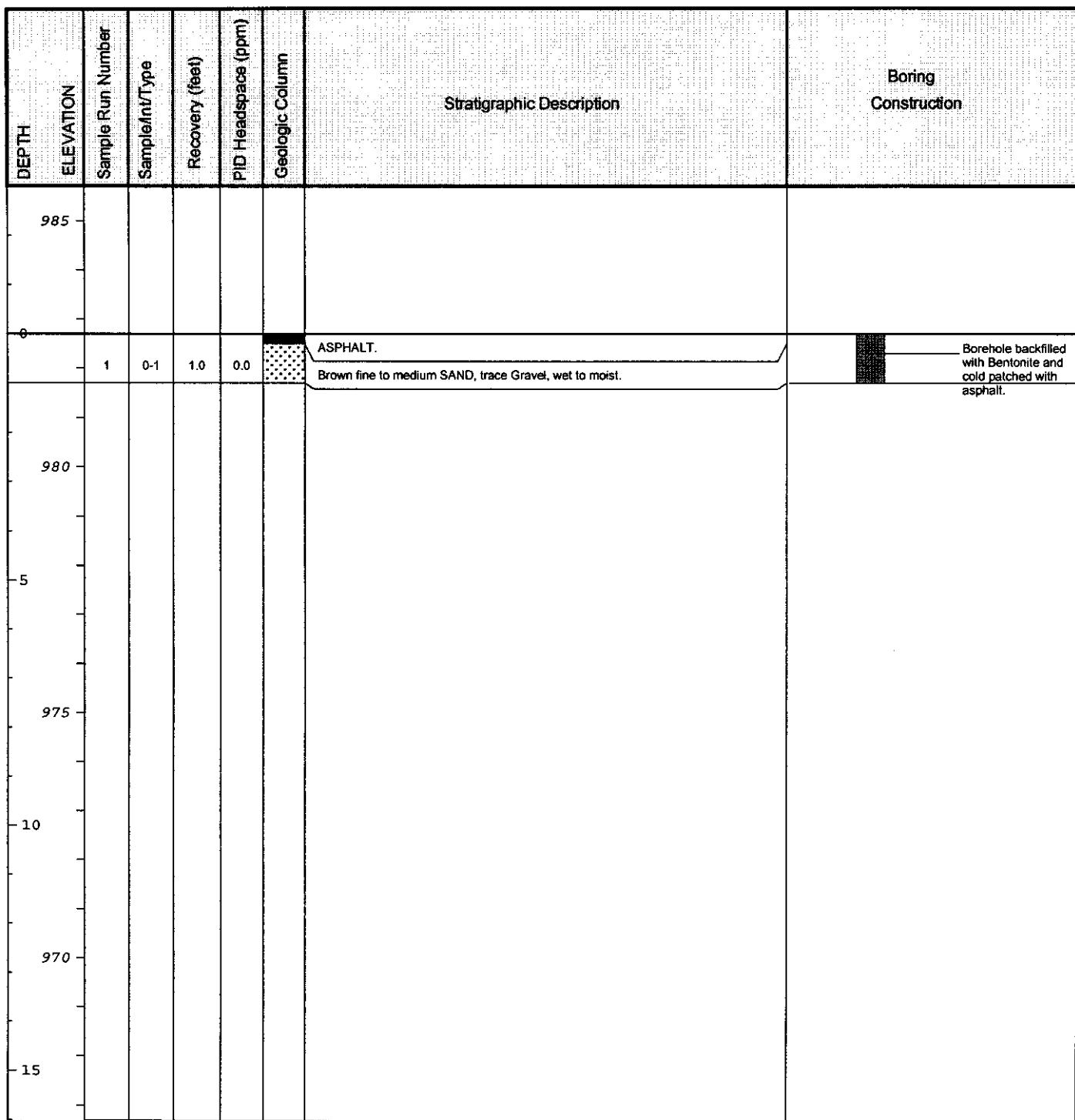
**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1': PCBs;

MS/MSD collected (PCBs, 0-1').

The water table was not encountered during boring advancement.

Date Start/Finish: 2/23/05	Northing: 532482.4	Boring ID: RAA12-OP15.5
Drilling Company: BBL	Easting: 130429.6	Client: General Electric Company
Driller's Name: TJM	Casing Elevation: NA	
Drilling Method: Direct Push	Borehole Depth: 1' below grade	Location: Lyman Street Area
Auger Size: NA	Surface Elevation: 982.7	Parcel I9-4-201 (Sub-Area 201A)
Rig Type: Tractor Mounted Power Probe	Descriptions By: TOR	Additional Soil Sampling
Sample Method: 4' Macrocore		



 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers, scientists, economists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs; Duplicate Sample ID: RAA12-DUP-1 (PCBs, 0-1'). The water table was not encountered during boring advancement.
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Date Start/Finish: 2/23/05 Drilling Company: BBL Driller's Name: TJM Drilling Method: Direct Push Auger Size: NA Rig Type: Tractor Mounted Power Probe Sample Method: 4' Macrocore	Northing: 532432.1 Easting: 130278.7 Casing Elevation: NA  Borehole Depth: 1' below grade Surface Elevation: 982.4  Descriptions By: TOR	Boring ID: RAA12-PQ12.5 Client: General Electric Company  Location: Lyman Street Area Parcel I9-4-201 (Sub-Area 201A)  Additional Soil Sampling
--	---	--

DEPTH	ELEVATION	Stratigraphic Description					Boring Construction
		Sample Run Number	Sample/lnType	Recovery (feet)	PID Headspace (ppm)	Geologic Column	
985							
0							
		1	0-1	1.0	0.0	Brown fine to medium SAND, trace Gravel, moist.	Borehole backfilled with Bentonite.
980							
5							
975							
10							
970							
15							

<b>BBL</b> BLASLAND, BOUCK & LEE, INC. engineers, scientists, economists	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs. The water table was not encountered during boring advancement.
--	---

Date Start/Finish: 2/23/05	Northing: 532410.5	Boring ID: RAA12-Q13E
Drilling Company: BBL	Easting: 130296.7	Client: General Electric Company
Driller's Name: TJM	Casing Elevation: NA	
Drilling Method: Direct Push	Borehole Depth: 1' below grade	Location: Lyman Street Area
Auger Size: NA	Surface Elevation: 982.7	Parcel I9-4-201
Rig Type: Tractor Mounted Power Probe	Descriptions By: TOR	(Sub-Area 201A)
Sample Method: 4' Macrocore		Additional Soil Sampling

DEPTH ELEVATION	Sample Run Number	Sample#ntType	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
985								
0								
	1	0-1	1.0	0.0	ASPHALT. Brown fine to medium SAND, trace Gravel, moist.		Borehole backfilled with Bentonite and cold patched with asphalt.	
980								
975								
10								
970								
15								

 <p>BLASLAND, BOUCK &amp; LEE, INC. engineers, scientists, economists</p>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs. The water table was not encountered during boring advancement.
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Date Start/Finish: 2/23/05	Northing: 532382.6	Boring ID: RAA12-QR13
Drilling Company: BBL	Easting: 130300.1	Client: General Electric Company
Driller's Name: TJM	Casing Elevation: NA	Location: Lyman Street Area
Drilling Method: Direct Push	Borehole Depth: 1' below grade	Parcel I9-4-201
Auger Size: NA	Surface Elevation: 982.6	(Sub-Area 201A)
Rig Type: Tractor Mounted Power Probe	Descriptions By: TOR	Additional Soil Sampling
Sample Method: 4' Macrocore		

DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
985								
0								
	1	0-1	1.0	0.0	ASPHALT. Brown fine to medium SAND, trace Gravel.			Borehole backfilled with Bentonite and cold patched with asphalt.
980								
5								
975								
10								
970								
15								



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1': PCBs.

The water table was not encountered during boring advancement.

Date Start/Finish: 2/23/05	Northing: 532358.3	Boring ID: RAA12-R13E
Drilling Company: BBL	Easting: 130302.8	Client: General Electric Company
Driller's Name: TJM	Casing Elevation: NA	Location: Lyman Street Area
Drilling Method: Direct Push	Borehole Depth: 1' below grade	Parcel I9-4-201
Auger Size: NA	Surface Elevation: 982.9	(Sub-Area 201A)
Rig Type: Tractor Mounted Power Probe	Descriptions By: TOR	Additional Soil Sampling
Sample Method: 4' Macrocore		

DEPTH ELEVATION	Sample Run Number	Sample/ln/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
985								
0	1	0-1	1.0	0.0	ASPHALT. Brown fine to medium SAND, trace fine to medium Gravel fragments, dry.			Borehole backfilled with Bentonite and cold patched with asphalt.
980								
975								
10								
970								
15								

 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers, scientists, economists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs. The water table was not encountered during boring advancement.
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Date Start/Finish: 2/23/05	Northing: 532333.0	Boring ID: RAA12-RS13
Drilling Company: BBL	Easting: 130302.2	Client: General Electric Company
Driller's Name: TJM	Casing Elevation: NA	Location: Lyman Street Area
Drilling Method: Direct Push	Borehole Depth: 1' below grade	Parcel I9-4-201
Auger Size: NA	Surface Elevation: 982.0	(Sub-Area 201A)
Rig Type: Tractor Mounted Power Probe	Descriptions By: TOR	Additional Soil Sampling
Sample Method: 4' Macrocore		

DEPTH ELEVATION	Stratigraphic Description						Boring Construction
	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		
-3.0							
0	1	0-1	1.0	0.0	x x x x	ASPHALT. Brown fine to medium SAND, trace Gravel, Brick and Shale at bottom, moist. [FILL]	Borehole backfilled with Bentonite and cold patched with asphalt.
980							
975							
970							
10							
970							
15							

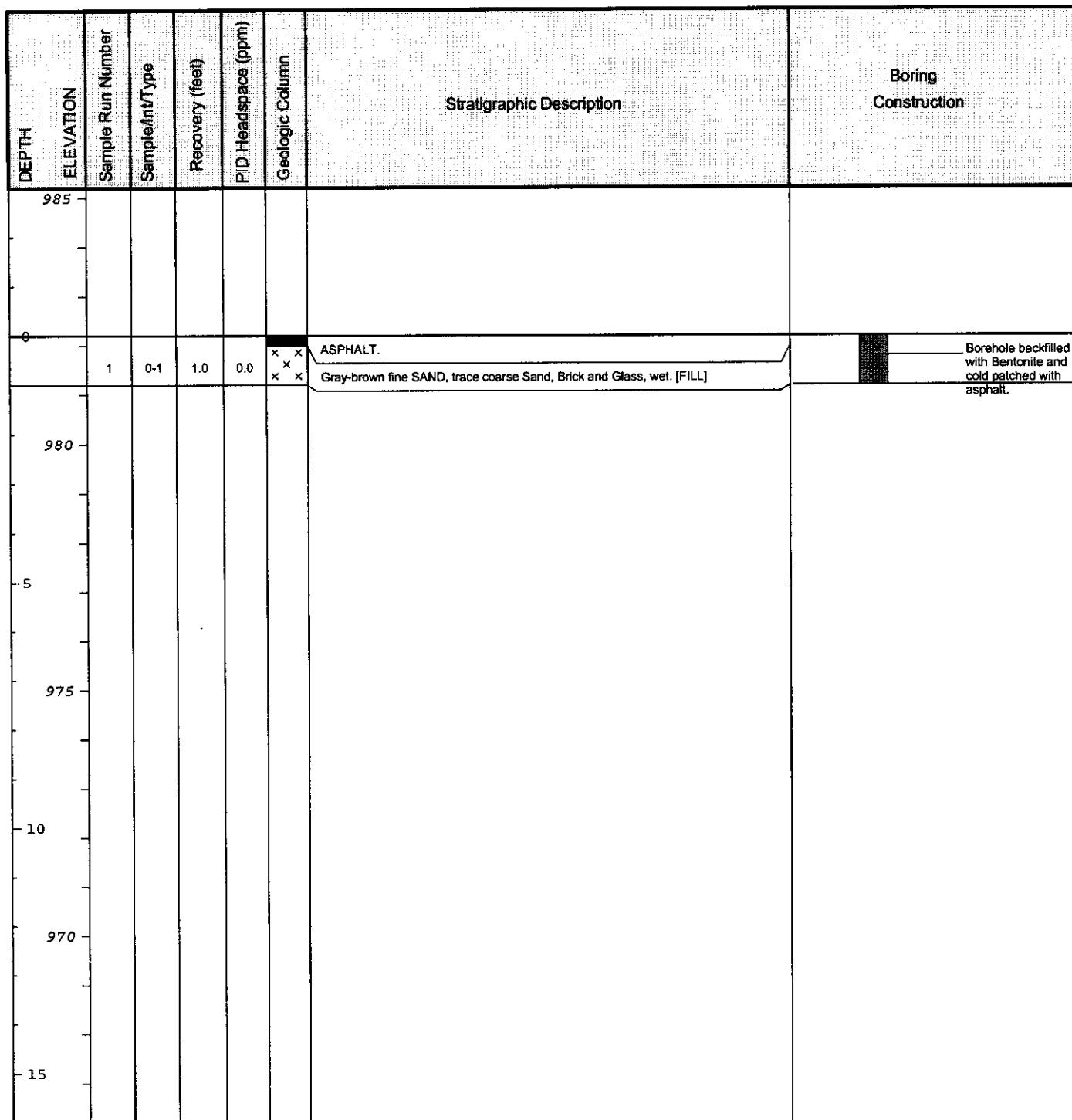


**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1': PCBs.

The water table was not encountered during boring advancement.

Date Start/Finish: 2/23/05	Northing: 532326.4	Boring ID: RAA12-RS14
Drilling Company: BBL	Easting: 130352.8	Client: General Electric Company
Driller's Name: TJM	Casing Elevation: NA	
Drilling Method: Direct Push	Borehole Depth: 1' below grade	Location: Lyman Street Area
Auger Size: NA	Surface Elevation: 982.2	Parcel I9-4-201
Rig Type: Tractor Mounted Power Probe	Descriptions By: TOR	(Sub-Area 201A)
Sample Method: 4' Macrocore		Additional Soil Sampling

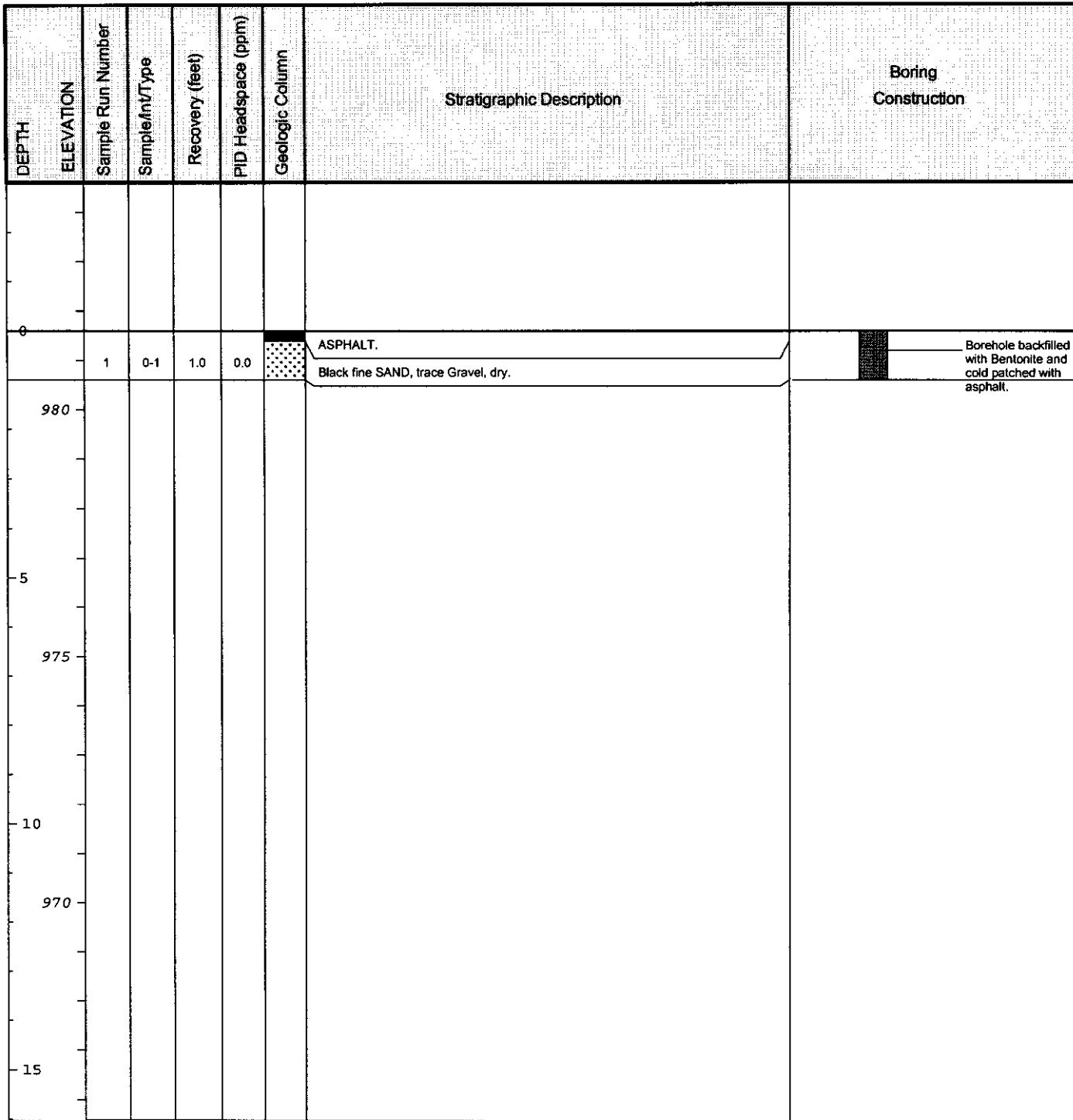


**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1': PCBs.

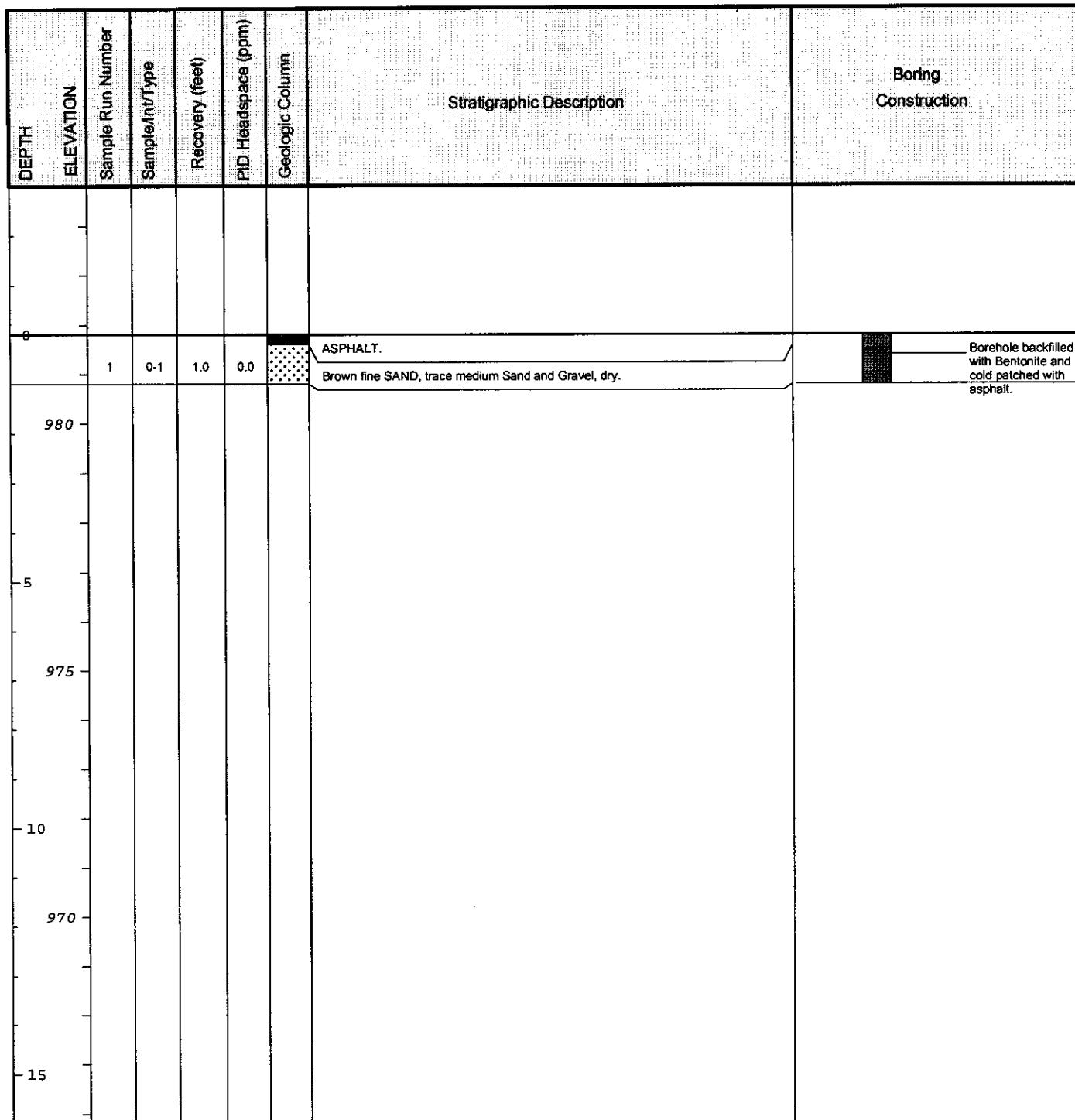
The water table was not encountered during boring advancement.

Date Start/Finish: 2/23/05	Northing: 532332.2	Boring ID: RAA12-RS14.5
Drilling Company: BBL	Easting: 130379.0	Client: General Electric Company
Driller's Name: TJM	Casing Elevation: NA	
Drilling Method: Direct Push	Borehole Depth: 1' below grade	Location: Lyman Street Area
Auger Size: NA	Surface Elevation: 981.6	Parcel I9-4-201
Rig Type: Tractor Mounted Power Probe	Descriptions By: TOR	(Sub-Area 201A)
Sample Method: 4' Macrocore		Additional Soil Sampling



<b>BBL</b> BLASLAND, BOUCK & LEE, INC. engineers, scientists, economists	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs. The water table was not encountered during boring advancement.
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Date Start/Finish: 2/23/05	Northing: 532332.0	Boring ID: RAA12-RS15
Drilling Company: BBL	Easting: 130403.9	Client: General Electric Company
Driller's Name: TJM	Casing Elevation: NA	
Drilling Method: Direct Push	Borehole Depth: 1' below grade	Location: Lyman Street Area
Auger Size: NA	Surface Elevation: 981.8	Parcel I9-4-201
Rig Type: Tractor Mounted Power Probe	Descriptions By: TOR	(Sub-Area 201A)
Sample Method: 4' Macrocore		Additional Soil Sampling

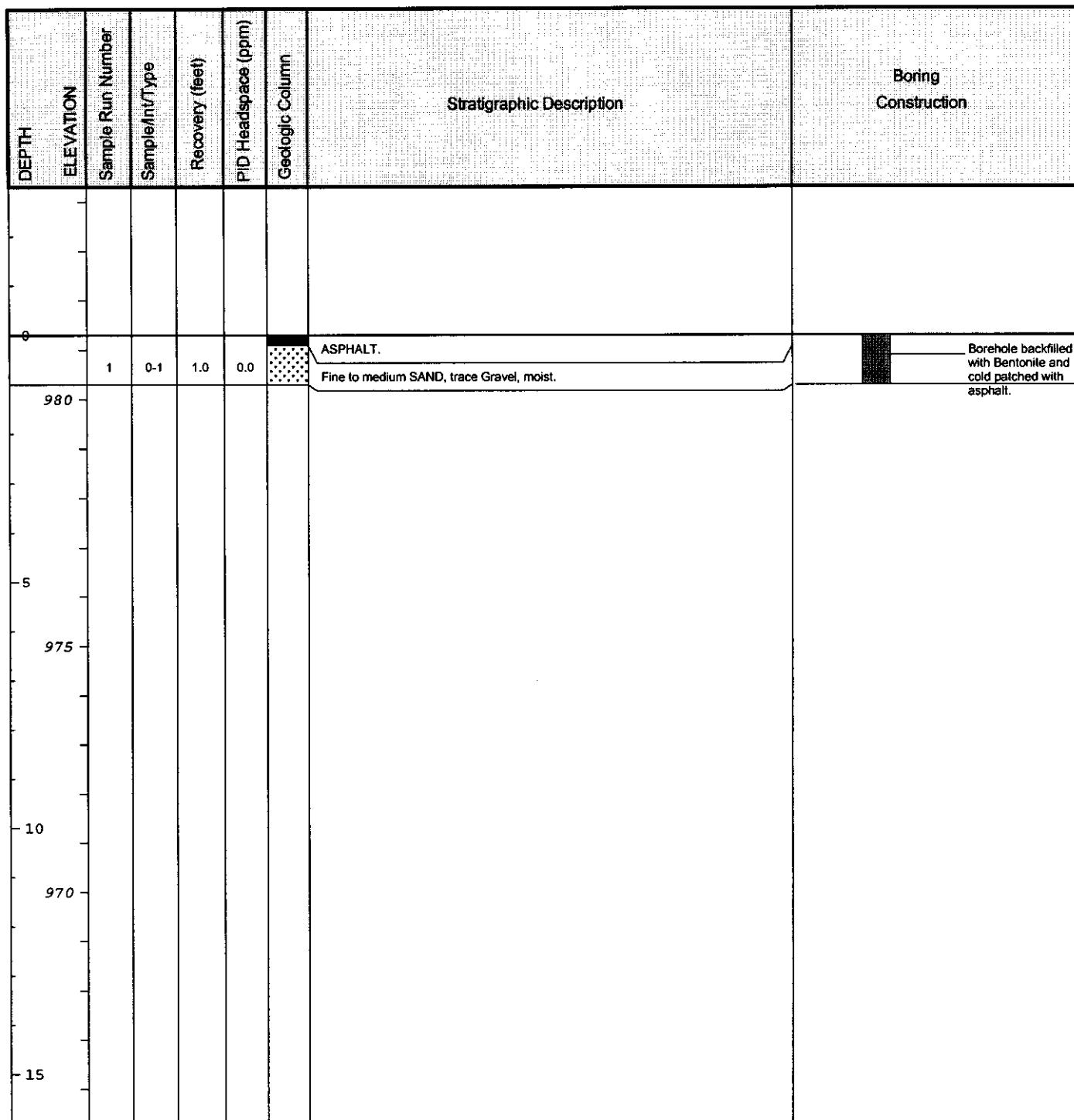


**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1': PCBs.

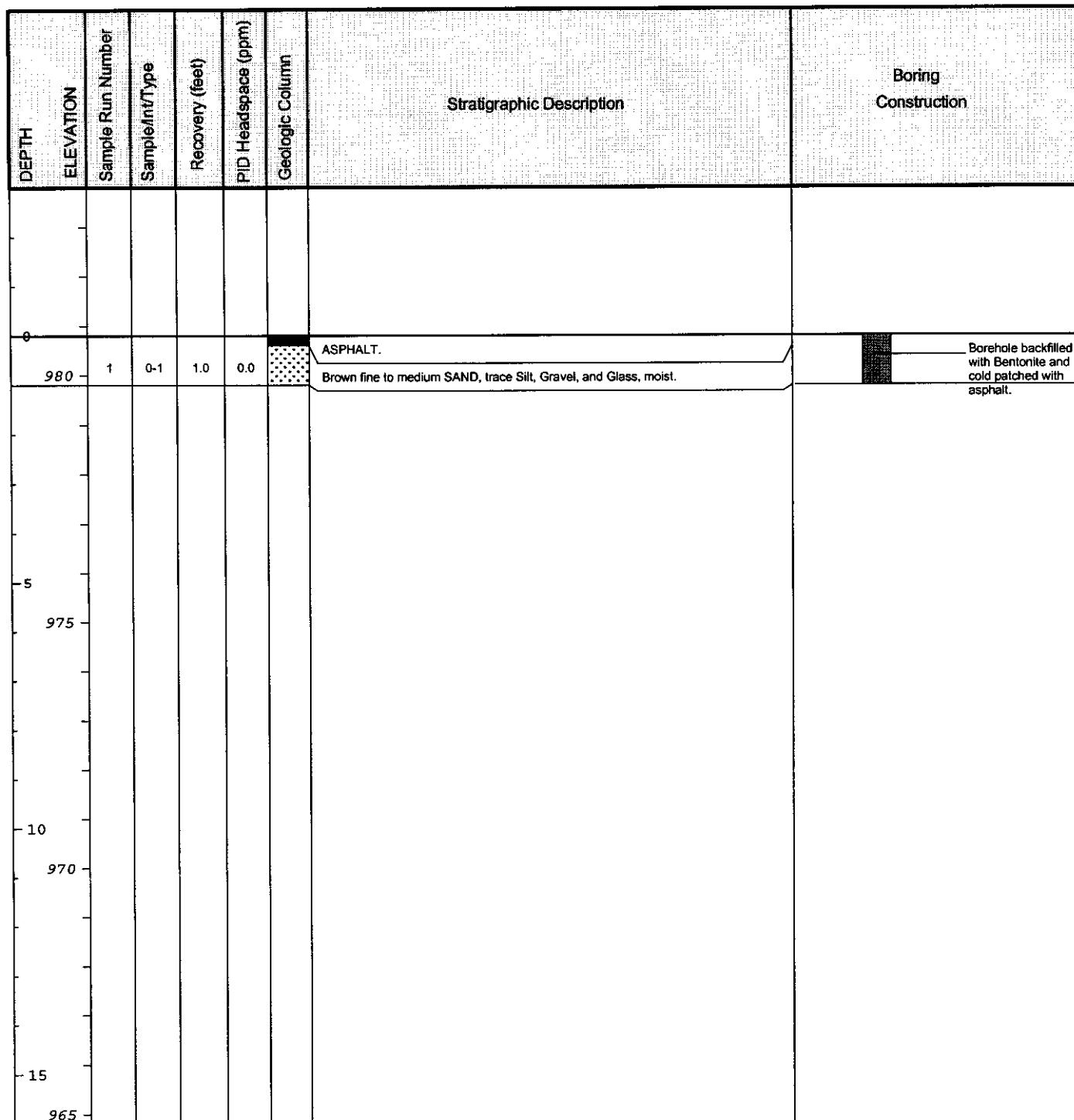
The water table was not encountered during boring advancement.

Date Start/Finish: 2/23/05	Northing: 532326.4	Boring ID: RAA12-RS15.5
Drilling Company: BBL	Easting: 130430.0	Client: General Electric Company
Driller's Name: TJM	Casing Elevation: NA	Location: Lyman Street Area
Drilling Method: Direct Push	Borehole Depth: 1' below grade	Parcel I9-4-201
Auger Size: NA	Surface Elevation: 981.3	(Sub-Area 201A)
Rig Type: Tractor Mounted Power Probe	Descriptions By: TOR	Additional Soil Sampling
Sample Method: 4' Macrocore		



 <b>BLASLAND, BOUCK &amp; LEE, INC.</b> <i>engineers, scientists, economists</i>	<b>Remarks:</b> bgs = below ground surface; NA = Not Applicable/Available. Analyses: 0-1': PCBs; MS/MSD collected (PCBs, 0-1'). The water table was not encountered during boring advancement.
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Date Start/Finish: 2/23/05 Drilling Company: BBL Driller's Name: TJM Drilling Method: Direct Push Auger Size: NA Rig Type: Tractor Mounted Power Probe Sample Method: 4' Macrocore	Northing: 532328.8 Easting: 130454.5 Casing Elevation: NA  Borehole Depth: 1' below grade Surface Elevation: 980.8  Descriptions By: TOR	Boring ID: RAA12-RS16  Client: General Electric Company  Location: Lyman Street Area Parcel 19-4-201 (Sub-Area 201A)  Additional Soil Sampling
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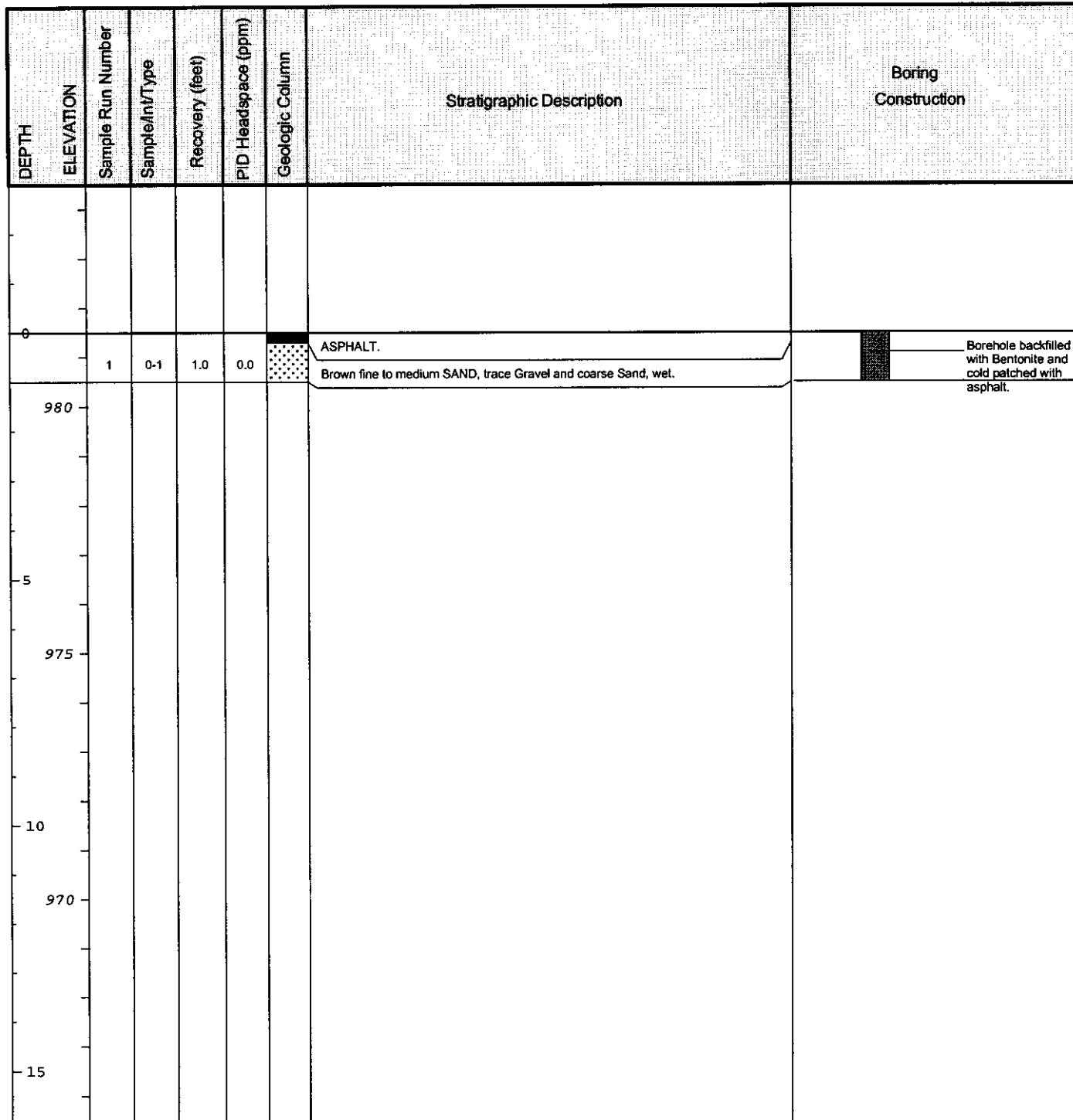


**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1": PCBs.

The water table was not encountered during boring advancement.

Date Start/Finish: 2/23/05	Northing: 532307.3	Boring ID: RAA12-S14.5
Drilling Company: BBL	Easting: 130378.9	Client: General Electric Company
Driller's Name: TJM	Casing Elevation: NA	Location: Lyman Street Area
Drilling Method: Direct Push	Borehole Depth: 1' below grade	Parcel I9-4-201
Auger Size: NA	Surface Elevation: 981.5	(Sub-Area 201A)
Rig Type: Tractor Mounted Power Probe		Additional Soil Sampling
Sample Method: 4' Macrocore		



Remarks: bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1': PCBs.

The water table was not encountered during boring advancement.

Date Start/Finish: 2/23/05

Drilling Company: BBL

Driller's Name: TJM

Drilling Method: Direct Push

Auger Size: NA

Rig Type: Tractor Mounted Power Probe

Sample Method: 4' Macrocore

Northing: 532307.2

Easting: 130428.7

Casing Elevation: NA

Borehole Depth: 1' below grade

Surface Elevation: 980.9

Descriptions By: TOR

Boring ID: RAA12-S15.5

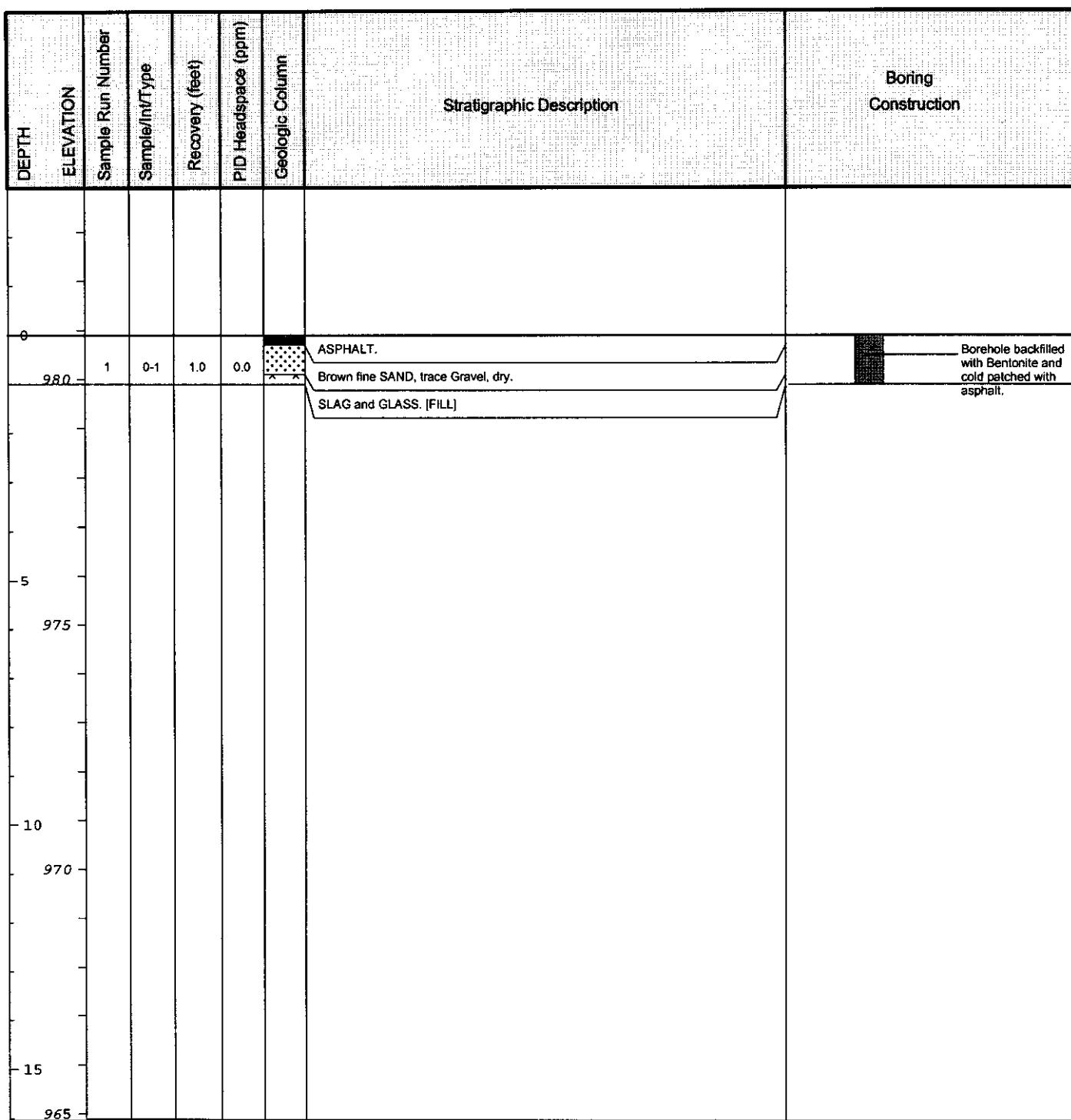
Client: General Electric Company

Location: Lyman Street Area

Parcel I9-4-201

(Sub-Area 201A)

Additional Soil Sampling



Remarks: bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1': PCBs;

Duplicate Sample ID: RAA12-DUP-2 (PCBs, 0-1').

The water table was not encountered during boring advancement.

Date Start/Finish: 2/23/05

Drilling Company: BBL

Driller's Name: TJM

Drilling Method: Direct Push

Auger Size: NA

Rig Type: Tractor Mounted Power Probe

Sample Method: 4' Macrocore

Northing: 532282.0

Easting: 130303.8

Casing Elevation: NA

Borehole Depth: 2' below grade

Surface Elevation: 981.3

Descriptions By: TOR

Boring ID: RAA12-ST13

Client: General Electric Company

Location: Lyman Street Area

Parcel I9-4-201

(Sub-Area 201A)

Additional Soil Sampling

DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
0								
980	1	0-1	1.0	0.0	x x x x	GRAVEL, SILT and SAND (1 1/2 - Mile Project). [FILL] ASPHALT (broken).		Borehole backfilled with Bentonite.
975	2	1-2	NA	NA	bgs	Black fine SAND, trace medium Sand and Gravel, dry.		
970								
965								
960								
955								
950								
945								
940								
935								
930								
925								
920								
915								
910								
905								
900								
895								
890								
885								
880								
875								
870								
865								
860								
855								
850								
845								
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835								
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825								
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70								
65								
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50								
45								
40								
35								
30								
25								
20								
15								
10								
5								
0								

Remarks: bgs = below ground surface; NA = Not Applicable/Available.

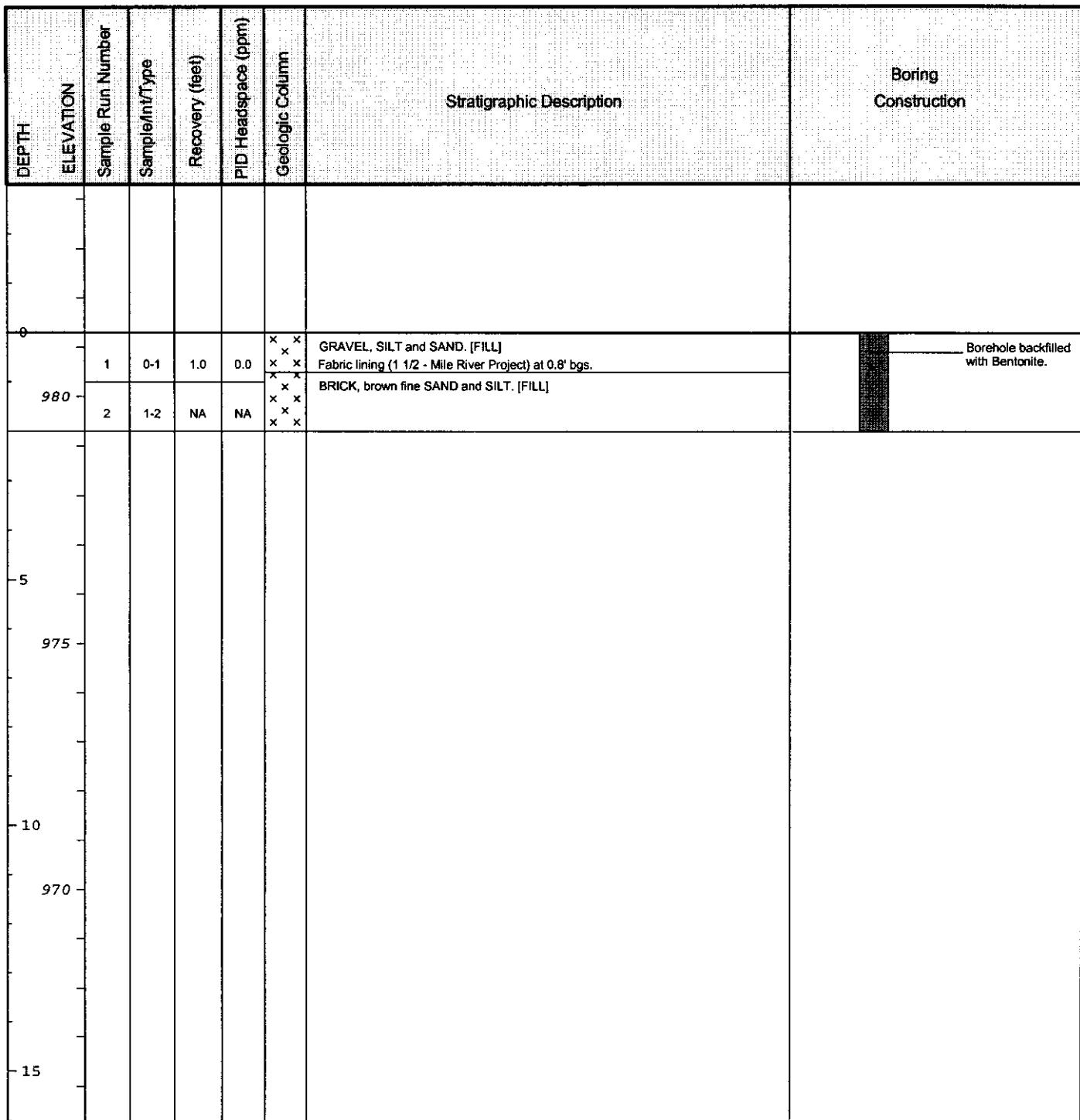
Analyses: 0-1': PCBs.

The water table was not encountered during boring advancement.

0-1': Sample collected below asphalt.



Date Start/Finish: 2/23/05	Northing: 532282.1	Boring ID: RAA12-ST13.5
Drilling Company: BBL	Easting: 130328.7	Client: General Electric Company
Driller's Name: TJM	Casing Elevation: NA	Location: Lyman Street Area
Drilling Method: Direct Push	Borehole Depth: 2' below grade	Parcel I9-4-201
Auger Size: NA	Surface Elevation: 981.3	(Sub-Area 201A)
Rig Type: Tractor Mounted Power Probe	Descriptions By: TOR	Additional Soil Sampling
Sample Method: 4' Macrocore		



Remarks: bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1': PCBs.

The water table was not encountered during boring advancement.

0-0.8' bgs - Sample collected below fabric lining.



**Date Start/Finish:** 2/23/05  
**Drilling Company:** BBL  
**Driller's Name:** TJM  
**Drilling Method:** Direct Push  
**Auger Size:** NA  
**Rig Type:** Tractor Mounted Power Probe  
**Sample Method:** 4' Macrocore

**Northing:** 532282.2  
**Easting:** 130379.0  
**Casing Elevation:** NA

**Borehole Depth:** 1' below grade  
**Surface Elevation:** 980.5

**Descriptions By:** TOR

**Boring ID:** RAA12-ST14.5

**Client:** General Electric Company

**Location:** Lyman Street Area  
Parcel I9-4-201  
(Sub-Area 201A)

Additional Soil Sampling

DEPTH	ELEVATION	Stratigraphic Description					Boring Construction
		Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	
0	980	1	0-1	1.0	0.0	Brown fine SAND, trace Silt, wet. ASPHALT (broken).	Borehole backfilled with Bentonite.
5	975					Brown fine to medium SAND, trace Gravel.	
10	970						
15	965						



**Remarks:** bgs = below ground surface; NA = Not Applicable/Available.

Analyses: 0-1': PCBs.

The water table was not encountered during boring advancement.

## ***Appendix B***

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### **Additional Pre-Design Investigation Sampling Data (February 2005)**



**TABLE B-1**  
**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**(Results are presented in dry weight parts per million, ppm)**

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
<b>Parcel I9-4-201 (SUB-AREA 201A)</b>						
RAA12-NO13	0-1	2/23/2005	ND(0.036)	ND(0.036)	0.031 J	0.031 J
RAA12-NO13.5	0-1	2/23/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA12-NO14	0-1	2/25/2005	ND(0.037)	0.033 J	ND(0.037)	0.033 J
RAA12-NO14.5	0-1	2/23/2005	ND(0.039)	ND(0.37)	0.28	0.28
RAA12-O12.5	0-1	2/23/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA12-O13.5	0-1	2/23/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA12-O14.5	0-1	2/23/2005	ND(0.041)	ND(0.092)	0.046	0.046
RAA12-OP12	0-1	2/23/2005	ND(0.042)	ND(0.065)	0.10	0.1
RAA12-OP12.5	0-1	2/23/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA12-OP13	0-1	2/25/2005	ND(0.037)	0.021 J	ND(0.037)	0.021 J
RAA12-OP13.5	0-1	2/23/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA12-OP14	0-1	2/23/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA12-OP14.5	0-1	2/23/2005	ND(0.038)	ND(0.10)	0.040	0.04
RAA12-OP15	0-1	2/23/2005	ND(0.042)	ND(0.26)	0.22	0.22
RAA12-OP15.5	0-1	2/23/2005	ND(0.038) [ND(0.039)]	ND(0.069) [ND(0.039)]	0.038 [ND(0.039)]	0.038 [ND(0.039)]
RAA12-PQ12.5	0-1	2/23/2005	ND(0.040)	ND(0.11)	0.089	0.089
RAA12-Q13E	0-1	2/23/2005	ND(0.042)	ND(0.33)	0.26	0.26
RAA12-QR13	0-1	2/23/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA12-R13E	0-1	2/23/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA12-RS13	0-1	2/23/2005	ND(0.038)	ND(0.10)	0.032 J	0.032 J
RAA12-RS14	0-1	2/23/2005	ND(0.81)	30	19	49
RAA12-RS14.5	0-1	2/23/2005	ND(0.79)	15	7.6	22.6
RAA12-RS15	0-1	2/23/2005	ND(1.0)	11	15	26
RAA12-RS15.5	0-1	2/23/2005	ND(0.19)	2.2	2.0	4.2
RAA12-RS16	0-1	2/23/2005	ND(0.038)	ND(0.33)	0.32	0.32
RAA12-S14.5	0-1	2/23/2005	ND(0.37)	3.8	8.5	12.3
RAA12-S15.5	0-1	2/23/2005	ND(0.39) [ND(0.44)]	10 [9.0]	6.9 [5.2]	16.9 [14.2]
RAA12-ST13	0-1	2/23/2005	ND(3.9)	47	14	61
RAA12-ST13.5	0-1	2/23/2005	ND(2.1)	ND(2.6)	ND(2.1)	ND(2.6)
RAA12-ST14.5	0-1	2/23/2005	ND(0.040)	ND(0.32)	0.24	0.24

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
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**  
**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX + 3 CONSTITUENTS**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Parcel ID: Sample ID: Sample Depth(Feet): Date Collected:	I9-4-201 (SUB-AREA 201A)		
		RAA12-NO14 1-3 02/25/05	RAA12-OP13 6-10 02/25/05	RAA12-OP13 8-10 02/25/05
<b>Volatile Organics</b>				
1,1,1,2-Tetrachloroethane	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
1,1,1-Trichloroethane	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
1,1,2,2-Tetrachloroethane	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
1,1,2-Trichloroethane	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
1,1-Dichloroethane	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
1,1-Dichloroethene	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
1,2,3-Trichloropropane	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
1,2-Dibromo-3-chloropropane	ND(0.0064) [ND(0.0062)] J	NA	ND(0.0070) J	
1,2-Dibromoethane	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
1,2-Dichloroethane	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
1,2-Dichloropropane	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
1,4-Dioxane	ND(0.13) J [ND(0.12) J]	NA	ND(0.14) J	
2-Butanone	ND(0.013) [ND(0.012)]	NA	ND(0.014) J	
2-Chloro-1,3-butadiene	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
2-Chloroethylvinylether	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
2-Hexanone	ND(0.013) [ND(0.012)]	NA	ND(0.014) J	
3-Chloropropene	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
4-Methyl-2-pentanone	ND(0.013) [ND(0.012)]	NA	ND(0.014) J	
Acetone	ND(0.026) [ND(0.025)]	NA	ND(0.028) J	
Acetonitrile	ND(0.13) J [ND(0.12) J]	NA	ND(0.14) J	
Acrolein	ND(0.13) J [ND(0.12) J]	NA	ND(0.14) J	
Acrylonitrile	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Benzene	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Bromodichloromethane	ND(0.0064) [ND(0.0062)] J	NA	ND(0.0070) J	
Bromoform	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Bromomethane	ND(0.0064) [ND(0.0062)] J	NA	ND(0.0070) J	
Carbon Disulfide	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Carbon Tetrachloride	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Chlorobenzene	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Chloroethane	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Chloroform	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Chloromethane	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
cis-1,3-Dichloropropene	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Dibromochloromethane	ND(0.0064) [ND(0.0062)] J	NA	ND(0.0070) J	
Dibromomethane	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Dichlorodifluoromethane	ND(0.0064) J [ND(0.0062)]	NA	ND(0.0070) J	
Ethyl Methacrylate	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Ethylbenzene	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Iodomethane	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Isobutanol	0.033 J [ND(0.12) J]	NA	ND(0.14) J	
Methacrylonitrile	ND(0.0064) [ND(0.0062)] J	NA	ND(0.0070) J	
Methyl Methacrylate	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Methylene Chloride	0.0044 J [ND(0.0062)]	NA	ND(0.0070) J	
Propionitrile	ND(0.013) J [ND(0.012) J]	NA	ND(0.014) J	
Styrene	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Tetrachloroethene	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Toluene	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
trans-1,2-Dichloroethene	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
trans-1,3-Dichloropropene	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
trans-1,4-Dichloro-2-butene	ND(0.0064) J [ND(0.0062)]	NA	ND(0.0070) J	
Trichloroethene	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J	
Trichlorofluoromethane	ND(0.0064) J [ND(0.0062)]	NA	ND(0.0070) J	
Vinyl Acetate	ND(0.0064) [ND(0.0062)] J	NA	ND(0.0070) J	
Vinyl Chloride	ND(0.0064) [ND(0.0062)] J	NA	ND(0.0070) J	
Xylenes (total)	ND(0.0064) [ND(0.0062)] J	NA	ND(0.0070) J	
<b>Semivolatile Organics</b>				
1,2,4,5-Tetrachlorobenzene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
1,2,4-Trichlorobenzene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
1,2-Dichlorobenzene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
1,2-Diphenylhydrazine	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
1,3,5-Trinitrobenzene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
1,3-Dichlorobenzene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	

**TABLE B-2**  
**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX + 3 CONSTITUENTS**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Parcel ID:	I9-4-201 (SUB-AREA 201A)		
	Sample ID: Sample Depth(Feet): Date Collected:	RAA12-NO14 1-3 02/25/05	RAA12-OP13 6-10 02/25/05	RAA12-OP13 8-10 02/25/05
<b>Semivolatile Organics (continued)</b>				
1,3-Dinitrobenzene	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
1,4-Dichlorobenzene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
1,4-Naphthoquinone	ND(0.86) J [ND(0.83) J]	ND(0.99)	NA	
1-Naphthylamine	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
2,3,4,6-Tetrachlorophenol	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
2,4,5-Trichlorophenol	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
2,4,6-Trichlorophenol	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
2,4-Dichlorophenol	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
2,4-Dimethylphenol	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
2,4-Dinitrophenol	ND(2.2) J [ND(2.1)]	ND(2.5) J	NA	
2,4-Dinitrotoluene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
2,6-Dichlorophenol	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
2,6-Dinitrotoluene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
2-Acetylaminofluorene	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
2-Chloronaphthalene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
2-Chlorophenol	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
2-Methylnaphthalene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
2-Methylphenol	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
2-Naphthylamine	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
2-Nitroaniline	ND(2.2) [ND(2.1)]	ND(2.5)	NA	
2-Nitrophenol	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
2-Picoline	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
3&4-Methylphenol	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
3,3'-Dichlorobenzidine	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
3,3'-Dimethylbenzidine	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
3-Methylcholanthrene	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
3-Nitroaniline	ND(2.2) [ND(2.1)]	ND(2.5)	NA	
4,6-Dinitro-2-methylphenol	ND(0.43) J [ND(0.41)]	ND(0.49)	NA	
4-Aminobiphenyl	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
4-Bromophenyl-phenylether	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
4-Chloro-3-Methylphenol	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
4-Chloroaniline	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
4-Chlorobenzilate	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
4-Chlorophenyl-phenylether	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
4-Nitroaniline	ND(2.2) [ND(2.1)]	ND(2.5)	NA	
4-Nitrophenol	ND(2.2) [ND(2.1)]	ND(2.5)	NA	
4-Nitroquinoline-1-oxide	ND(0.86) J [ND(0.83) J]	ND(0.99) J	NA	
4-Phenylenediamine	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
5-Nitro-o-toluidine	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
7,12-Dimethylbenz(a)anthracene	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
a,a'-Dimethylphenethylamine	ND(0.86) J [ND(0.83) J]	ND(0.99) J	NA	
Acenaphthene	ND(0.43) [ND(0.41)]	0.079 J	NA	
Acenaphthylene	0.24 J [0.13 J]	ND(0.49)	NA	
Acetophenone	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Aniline	ND(0.43) J [ND(0.41) J]	ND(0.49) J	NA	
Anthracene	0.15 J [0.094 J]	0.16 J	NA	
Aramite	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
Benzidine	ND(0.86) J [ND(0.83) J]	ND(0.99) J	NA	
Benzo(a)anthracene	0.65 [0.61]	1.0	NA	
Benzo(a)pyrene	0.68 [0.76]	0.84	NA	
Benzo(b)fluoranthene	0.52 [0.52]	0.92	NA	
Benzo(g,h,i)perylene	0.45 [0.44]	0.52	NA	
Benzo(k)fluoranthene	0.62 [0.70]	0.89	NA	
Benzyl Alcohol	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
bis(2-Chloroethoxy)methane	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
bis(2-Chloroethyl)ether	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
bis(2-Chloroisopropyl)ether	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
bis(2-Ethylhexyl)phthalate	ND(0.42) [ND(0.41)]	ND(0.49)	NA	
Butylbenzylphthalate	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Chrysene	0.75 [0.71]	1.2	NA	
Diallate	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
Dibenzo(a,h)anthracene	0.067 J [0.11 J]	0.15 J	NA	

**TABLE B-2**  
**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX + 3 CONSTITUENTS**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Parcel ID:	I9-4-201 (SUB-AREA 201A)		
	Sample ID: Sample Depth(Feet): Date Collected:	RAA12-NO14 1-3 02/25/05	RAA12-OP13 6-10 02/25/05	RAA12-OP13 8-10 02/25/05
<b>Semivolatile Organics (continued)</b>				
Dibenzofuran	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Diethylphthalate	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Dimethylphthalate	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Di-n-Butylphthalate	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Di-n-Octylphthalate	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Diphenylamine	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Ethyl Methanesulfonate	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Fluoranthene	1.0 [1.0]	1.6	NA	
Fluorene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Hexachlorobenzene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Hexachlorobutadiene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Hexachlorocyclopentadiene	ND(0.43) J [ND(0.41) J]	ND(0.49) J	NA	
Hexachloroethane	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Hexachlorophene	ND(0.86) J [ND(0.83) J]	ND(0.99) J	NA	
Hexachloropropene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Indeno(1,2,3-cd)pyrene	0.35 J [0.35 J]	0.45 J	NA	
Isodrin	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Isophorone	ND(0.43) J [ND(0.41) J]	ND(0.49)	NA	
Isosafrole	ND(0.86) J [ND(0.83) J]	ND(0.99) J	NA	
Methapyrilene	ND(0.86) J [ND(0.83) J]	ND(0.99) J	NA	
Methyl Methanesulfonate	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Naphthalene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Nitrobenzene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
N-Nitrosodiethylamine	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
N-Nitrosodimethylamine	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
N-Nitroso-di-n-butylamine	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
N-Nitroso-di-n-propylamine	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
N-Nitrosodiphenylamine	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
N-Nitrosomethylalkylamine	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
N-Nitrosomorpholine	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
N-Nitrosopiperidine	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
N-Nitrosopyrrolidine	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
o,o,o-Triethylphosphorothioate	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
o-Toluidine	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
p-Dimethylaminoazobenzene	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
Pentachlorobenzene	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Pentachloroethane	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Pentachloronitrobenzene	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
Pentachlorophenol	ND(2.2) [ND(2.1)]	ND(2.5)	NA	
Phenacetin	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
Phenanthrene	0.37 J [0.28 J]	0.84	NA	
Phenol	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Pronamide	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Pyrene	1.2 [1.2]	1.6	NA	
Pyridine	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Safrole	ND(0.43) J [ND(0.41) J]	ND(0.49) J	NA	
Thionazin	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
<b>Furans</b>				
2,3,7,8-TCDF	0.0000024 J [0.0000044 J]	0.0000024 Y	NA	
TCDFs (total)	0.000015 J [0.000029 J]	0.000040	NA	
1,2,3,7,8-PeCDF	ND(0.0000011) [ND(0.0000018)]	ND(0.0000023)	NA	
2,3,4,7,8-PeCDF	ND(0.0000015) [ND(0.0000024)]	0.0000038 J	NA	
PeCDFs (total)	0.0000056 J [0.000015 J]	0.000021	NA	
1,2,3,4,7,8-HxCDF	ND(0.0000021) [ND(0.0000029)]	ND(0.0000030)	NA	
1,2,3,6,7,8-HxCDF	ND(0.0000016) [ND(0.0000029)]	ND(0.0000030)	NA	
1,2,3,7,8,9-HxCDF	ND(0.00000023) [ND(0.00000019)]	ND(0.00000020)	NA	
2,3,4,6,7,8-HxCDF	ND(0.0000011) [ND(0.0000014)]	0.0000036 J	NA	
HxCDFs (total)	0.0000047 J [0.000011 J]	0.000016	NA	
1,2,3,4,6,7,8-HpCDF	0.0000042 J [0.0000056 J]	0.000011	NA	
1,2,3,4,7,8,9-HpCDF	ND(0.00000052) [ND(0.00000097)]	ND(0.00000067)	NA	
HpCDFs (total)	0.0000042 [0.0000056]	0.000011	NA	
OCDF	ND(0.0000034) [ND(0.0000054)]	ND(0.0000035)	NA	

**TABLE B-2**  
**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX + 3 CONSTITUENTS**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in dry weight parts per million, ppm)

Parameter	Parcel ID:	I9-4-201 (SUB-AREA 201A)		
	Sample ID: Sample Depth(Feet): Date Collected:	RAA12-NO14 1-3 02/25/05	RAA12-OP13 6-10 02/25/05	RAA12-OP13 8-10 02/25/05
<b>Dioxins</b>				
2,3,7,8-TCDD	ND(0.00000010) [ND(0.00000012)]	ND(0.00000035)	NA	
TCDDs (total)	ND(0.00000033) [ND(0.00000048)]	0.0000011	NA	
1,2,3,7,8-PeCDD	ND(0.00000030) [ND(0.00000049)]	ND(0.00000043)	NA	
PeCDDs (total)	ND(0.00000063) [ND(0.00000049)]	ND(0.00000022)	NA	
1,2,3,4,7,8-HxCDD	ND(0.00000034) [ND(0.00000019)]	ND(0.00000061)	NA	
1,2,3,6,7,8-HxCDD	ND(0.00000027) [ND(0.00000044)]	ND(0.00000090)	NA	
1,2,3,7,8,9-HxCDD	ND(0.00000047) [ND(0.00000072)]	ND(0.0000017)	NA	
HxCDDs (total)	ND(0.0000012) [ND(0.0000018)]	0.0000042	NA	
1,2,3,4,6,7,8-HpCDD	ND(0.0000020) [ND(0.0000024)]	0.0000038 J	NA	
HpCDDs (total)	ND(0.0000020) [ND(0.0000024)]	0.0000079	NA	
OCDD	0.0000091 J [0.000014]	0.0000096 J	NA	
Total TEQs (WHO TEFs)	0.0000012 [0.000019]	0.0000036	NA	
<b>Inorganics</b>				
Antimony	1.20 B [3.20 B]	2.00 B	NA	
Arsenic	10.0 [9.60]	15.0	NA	
Barium	69.0 [72.0]	95.0	NA	
Beryllium	0.390 B [0.340 B]	0.490 B	NA	
Cadmium	ND(0.500) [ND(0.500)]	0.830	NA	
Chromium	14.0 [14.0]	20.0	NA	
Cobalt	11.0 [10.0]	12.0	NA	
Copper	54.0 J [53.0 J]	120 J	NA	
Cyanide	0.100 B [0.110 B]	0.460	NA	
Lead	120 J [110 J]	380 J	NA	
Mercury	0.460 J [0.330 J]	0.700 J	NA	
Nickel	20.0 [19.0]	24.0	NA	
Selenium	0.990 J [1.80 J]	3.70	NA	
Silver	ND(1.00) [0.220 B]	0.180 B	NA	
Sulfide	34.0 J [18.0 J]	130 J	NA	
Thallium	ND(1.30) [ND(1.20)]	1.20 B	NA	
Tin	16.0 [ND(13.0)]	30.0	NA	
Vanadium	17.0 [16.0]	26.0	NA	
Zinc	120 J [120 J]	480 J	NA	

**Notes:**

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
6. Field duplicate sample results are presented in brackets.

**Data Qualifiers:**

**Organics (volatiles, semivolatiles, dioxin/furans)**

J - Indicates that the associated numerical value is an estimated concentration.  
Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

**Inorganics**

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

## ***Appendix C***

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# **Data Validation Report for Additional Pre-Design Soil Samples Collected in February 2005**



**APPENDIX C**  
**SOIL SAMPLING DATA VALIDATION REPORT**  
**ADDENDUM TO CONCEPTUAL REMOVAL DESIGN/REMOVAL ACTION WORK PLAN**  
**FOR THE LYMAN STREET AREA**

**GENERAL ELECTRIC COMPANY**  
**PITTSFIELD, MASSACHUSETTS**

## **1.0 General**

This appendix summarizes the Tier I and Tier II data reviews performed for soil samples collected during Pre-Design Investigation activities conducted at Sub-Area 201A the Lyman Street daycare property located in Pittsfield, Massachusetts. The samples were analyzed for various constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents -- benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine (hereafter referred to as Appendix IX+3), by SGS Environmental Services, Inc. (formerly CT&E) of Charleston, West Virginia. Data validation was performed for 34 polychlorinated biphenyl (PCB) samples, five volatile organic compound (VOC) samples, four semi-volatile organic compound (SVOC) samples, four polychlorinated dibenzo-p-dioxin (PCDD)/polychlorinated dibenzofuran (PCDF) samples, four metals samples, and four cyanide/sulfide samples.

## **2.0 Data Evaluation Procedures**

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

- *Field Sampling Plan/Quality Assurance Project Plan, General Electric Company, Pittsfield, Massachusetts*, Blasland, Bouck & Lee, Inc. (BBL; FSP/QAPP, approved May 25, 2004 and resubmitted June 15, 2004);
- *Region I Tiered Organic and Inorganic Data Validation Guidelines*, USEPA Region I (July 1, 1993);
- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses*, USEPA Region I (June 13, 1988) (Modified February 1989);
- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, USEPA Region I (February 1, 1988) (Modified November 1, 1988);
- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, USEPA Region I (Draft, December 1996); and
- *National Functional Guidelines for Dioxin/Furan Data Validation*, USEPA (Draft, January 1996).

A tabulated summary of the Tier I and Tier II data evaluations is presented in Table C-1. Each sample subjected to evaluation is listed in Table C-1 to document that data review was performed, as well as present the highest level of data validation (Tier I or Tier II) that was applied. Samples that required data qualification are listed separately for each parameter (compound or analyte) that required qualification.

The following data qualifiers were used in this data evaluation.

- J The compound was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound is detected at an estimated concentration less than the corresponding practical quantitation limit (PQL).
- U The compound was analyzed for, but was not detected. The sample quantitation limit is presented and adjusted for dilution and (for solid samples only) percent moisture. Non-detect sample results are presented as ND(PQL) within this report and in Table C-1 for consistency with documents previously prepared for investigations conducted at this site.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is estimated and may or may not represent the actual level of quantitation. Non-detect sample results that required qualification are presented as ND(PQL) J within this report and in Table C-1 for consistency with documents previously prepared for this investigation.
- R Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data should not be used for any qualitative or quantitative purpose.

### **3.0 Data Validation Procedures**

The FSP/QAPP provides (in Section 7.5) that all analytical data will be validated to a Tier I level following the procedures presented in the *Region I Tiered Organic and Inorganic Data Validation Guidelines* (USEPA guidelines). Accordingly, 100% of the analytical data for these investigations were subjected to Tier I review. The Tier I review consisted of a completeness evidence audit, as outlined in the *USEPA Region I CSF Completeness Evidence Audit Program* (USEPA Region I, 7/31/91), to ensure that all laboratory data and documentation were present. In the event data packages were determined to be incomplete, the missing information was requested from the laboratory. Upon completion of the Tier I review, the data packages complied with the USEPA Region I Tier I data completeness requirements. A tabulated summary of the samples subjected to Tier I and Tier II data evaluation is presented in the following table.

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

Parameter	Tier I Only			Tier I & Tier II			Total
	Samples	Duplicates	Blanks	Samples	Duplicates	Blanks	
PCBs	0	0	0	30	2	2	34
VOCs	0	0	0	2	1	2	5
SVOCs	0	0	0	2	1	1	4
PCDDs/PCDFs	0	0	0	2	1	1	4
Metals	0	0	0	2	1	1	4
Cyanide/Sulfide	0	0	0	4	0	0	4
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>42</b>	<b>6</b>	<b>7</b>	<b>55</b>

As specified in the FSP/QAPP, approximately 25% of the laboratory sample delivery group packages were randomly chosen to be subjected to Tier II review. A Tier II review was also performed to resolve data usability limitations identified from laboratory qualification of the data during the Tier I data review. The Tier II data review consisted of a review of all data package summary forms for identification of quality

assurance/quality control (QA/QC) deviations and qualification of the data according to the Region I Data Validation Functional Guidelines. The Tier II review resulted in the qualification of data for several samples due to minor QA/QC deficiencies. Additionally, all field duplicates were examined for relative percent difference (RPD) compliance with the criteria specified in the FSP/QAPP.

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

#### **4.0 Data Review**

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

**Compounds Qualified Due to Initial Calibration Deviations (RRF)**

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	Acetonitrile	2	J
	Isobutanol	2	J
SVOCs	Safrole	4	J

Continuing calibration criterion for VOCs and SVOCs requires that the continuing calibration RRF have a value greater than 0.05. Sample data for detect and non-detect compounds with RRF values greater than 0.05 were qualified as estimated (J). The compounds that exceeded continuing calibration criterion and the number of samples qualified due to those exceedences are presented in the following table.

**Compounds Qualified Due to Continuing Calibration Deviations (RRF)**

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,4-Dioxane	5	J
	Acetonitrile	5	J
	Acrolein	5	J
	Isobutanol	5	J
	Propionitrile	5	J
SVOCs	4-Nitroquinoline-1-oxide	3	J
	Benzidine	4	J
	Hexachlorophene	4	J

Several of the organic compounds (including the compounds presented in the above tables detailing RRF deviations) exhibit instrument response factors (RFs) below the USEPA Region I minimum value of 0.05, but meet the analytical method criterion which does not specify minimum RFs for these compounds. These compounds were analyzed by the laboratory at a higher concentration than the compounds that normally exhibit RFs greater than the USEPA Region I minimum value of 0.05 in an effort to demonstrate acceptable

response. USEPA Region I guidelines state that non-detect compound results associated with a RF less than the minimum value of 0.05 are to be rejected (R). However, in the case of these select organic compounds, the RF is an inherent problem with the current analytical methodology; therefore, the non-detect sample results were qualified as estimated (J).

Initial calibration criterion for SVOCs requires that the percent relative standard deviation (%RSD) must be less than or equal to 30%. Sample data for detect and non-detect compounds with %RSD values greater than 30% were qualified as estimated (J). The compound that exceeded initial calibration criterion and the number of samples qualified due those exceeded are identified below.

**Compound Qualified Due to Initial Calibration %RSD Deviations**

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	Hexachlorophene	4	J

Initial calibration criterion for organic compounds requires that the correlation coefficient of the initial calibration must be greater than or equal to 0.99. Sample data for compounds associated with a correlation coefficient value less than 0.99 were qualified as estimated (J). The compound that exceeded initial calibration criterion and the number of samples qualified due to those deviations are presented in the following table.

**Compound Qualified Due to Initial Calibration Correlation Coefficients Deviations**

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	Benzidine	4	J

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

**Compounds Qualified Due to Continuing Calibration of %D Values**

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,2-Dibromo-3-chloropropane	1	J
	1,2-Dichloroethane	1	J
	1,4-Dioxane	1	J
	2-Butanone	2	J
	2-Hexanone	2	J
	4-Methyl-2-pentanone	1	J
	Acetonitrile	1	J
	Bromodichloromethane	1	J
	Bromomethane	1	J
	Dibromochloromethane	1	J
	Dibromomethane	1	J
	Dichlorodifluoromethane	1	J
	Isobutanol	1	J

**Compounds Qualified Due to Continuing Calibration of %D Values**

<b>Analysis</b>	<b>Compound</b>	<b>Number of Affected Samples</b>	<b>Qualification</b>
VOCs (continued)	Methacrylonitrile	1	J
	trans-1,4-Dichloro-2-butene	1	J
	Trichlorofluoromethane	1	J
	Vinyl Acetate	4	J
	Vinyl Chloride	1	J
	Xylenes (total)	1	J
SVOCs	1,4-Naphthoquinone	2	J
	2,4-Dinitrophenol	2	J
	4,6-Dinitro-2-methylphenol	1	J
	4-Nitroquinoline-1-oxide	4	J
	a,a'-Dimethylphenethylamine	4	J
	Aniline	4	J
	Benzidine	4	J
	Hexachlorocyclopentadiene	4	J
	Hexachlorophene	4	J
	Isophorone	2	J
	Isosafrole	2	J
	Methapyrilene	4	J

Contract required detection limit (CRDL) standards were analyzed to evaluate instrument performance at low-level concentrations that are near the analytical method CRDL. These standards are required to have recoveries between 80% and 120% to verify that the analytical instrumentation was properly calibrated. When CRDL standard recoveries exceeded the 80% to 120% control limits, the affected samples with detected results at or near the CRDL concentration (less than three times the PQL) were qualified as estimated (J). The analytes that exceeded CRDL criteria and the number of samples qualified due to those deviations are presented in the following table.

**Analytes Qualified Due to CRDL Standard Recovery Deviations**

<b>Analysis</b>	<b>Analyte</b>	<b>Number of Affected Samples</b>	<b>Qualification</b>
Inorganics	Selenium	2	J
	Thallium	1	J

Matrix spike/matrix spike duplicate (MS/MSD) sample analysis recovery criteria for inorganics MS/MSD recoveries must be within 75% to 125%. Associated inorganic sample results with MS recoveries less than the 75% control limit were qualified as estimated (J). The analytes that did not meet MS/MSD recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

**Analytes/Compounds Qualified Due to MS Recovery Deviations**

<b>Analysis</b>	<b>Analyte/Compound</b>	<b>Number of Affected Samples</b>	<b>Qualification</b>
Inorganics	Mercury	3	J
	Zinc	3	J

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

**Compound Qualified Due to MS/MSD RPD Deviations**

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	Toluene	1	J

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

**Compounds Qualified Due to Internal Standard Deviations**

Analysis	Compound	Number of Affected Samples	Qualification
VOCS	All compounds	1	J

The analytical laboratory is required to analyze one sample per analytical batch using a five-fold dilution to evaluate matrix interferences. Analytes with results greater than 50 times the IDL in the undiluted sample are evaluated to determine if matrix interference exists. These analytes are required to have less than a 10%D between sample results from the undiluted sample and results for the same sample analyzed with a five-fold dilution. Detect results that were greater than 50 times the IDL were qualified as estimated (J) for analytes with a %D greater than 10%. The inorganic analytes that did not meet ICP serial dilution requirements and the number of samples qualified due to those requirements are presented in the following table.

**Analytes Qualified Due to ICP Serial Dilution Deviations**

Analysis	Analyte	Number of Affected Samples	Qualification
Inorganics	Copper	3	J
	Lead	3	J
	Zinc	3	J

Field duplicate samples were analyzed to evaluate the overall precision of laboratory and field procedures. The RPD between field duplicate samples is required to be less than 50% for soil sample values greater than five times the PQL for organics and inorganics. Sample results that exceeded these limits were qualified as estimated (J). The analyte/compounds that did not meet field duplicate RPD requirements and the number of samples qualified due to those deviations are presented in the following table.

**Analyte/Compounds Qualified Due to Field Duplicate Deviations**

<b>Analysis</b>	<b>Analyte/Compound</b>	<b>Number of Affected Samples</b>	<b>Qualification</b>
Inorganics	Sulfide	3	J
PCDDs/PCDFs	2,3,7,8-TCDF	2	J
	HxCDFs (total)	2	J
	PeCDFs (total)	2	J
	TCDFs (total)	2	J

Blank action levels for organic and inorganic analytes detected in the blanks were calculated at five times the detected blank concentrations. Detect sample results that were below the blank action level and above the instrument detection limit (IDL) were qualified as non-detect “U.” The analyte/compounds detected in method blanks which resulted in qualification of sample data, along with the number of affected samples, are presented in the following table.

**Analyte/Compound Qualified Due to Blank Deviations**

<b>Analysis</b>	<b>Analyte/Compound</b>	<b>Number of Affected Samples</b>	<b>Qualification</b>
Inorganics	Tin	1	U
PCBs	Aroclor-1254	17	U
	Total PCBs	17	U

## **5.0 Overall Data Usability**

This section summarizes the analytical data in terms of its completeness and usability for site characterization purposes. Data completeness is defined as the percentage of sample results that have been determined to be usable during the data validation process. The percent usability calculation included analyses evaluated under both the Tier I and Tier II data validation reviews. Data completeness with respect to usability was calculated separately for inorganic and organic analysis. The percent usability calculation also includes quality control samples collected to aid in the evaluation of data usability. Therefore, field/equipment blank, trip blank, and field duplicate data determined to be unusable as a result of the validation process are represented in the percent usability value tabulated in the following table.

**Data Usability**

<b>Parameter</b>	<b>Percent Usability</b>	<b>Rejected Data</b>
Inorganics	100	None
Cyanide and Sulfide	100	None
VOCs	100	None
SVOCs	100	None
PCBs	100	None
PCDDs/PCDFs	100	None

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

### **5.1 Precision**

Precision measures the reproducibility of measurements under a given set of conditions. Specifically, it is a quantitative measure of the variability of a group of measurements compared to their average value. For this investigation, precision was defined as the RPD between duplicate sample results. The duplicate samples used to evaluate precision included laboratory duplicates, field duplicates, MS/MSD samples, and ICP serial dilution samples. For this analytical program, 0.93% of the data required qualification due to field duplicate RPD deviations, 0.08% of the data required qualification due to MS/MSD RPD deviations, and 0.76% of the data required qualification due to ICP serial dilution deviations. None of the data required qualification due to laboratory duplicate RPD deviations.

### **5.2 Accuracy**

Accuracy measures the bias in an analytical system or the degree of agreement of a measurement with a known reference value. For this investigation, accuracy was defined as the percent recovery of QA/QC samples that were spiked with a known concentration of an analyte or compound of interest. The QA/QC samples used to evaluate analytical accuracy included instrument calibration, internal standards, Laboratory Control Standards (LCSs), MS/MSD samples, CRDL samples, and surrogate compound recoveries. For this analytical program, 9.6% of the data required qualification due to instrument calibration deviations, 4.6% of the data required qualification due to internal standards deviations, 0.51% of the data required qualification due to MS/MSD recovery deviations, 0.25% of the data required qualification due to CRDL deviations. None of the data required qualification due to LCS recovery deviations or due to surrogate compound recovery deviations.

### **5.3 Representativeness**

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

#### **5.4 Comparability**

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. This goal was achieved through the use of the standardized techniques for sample collection and analysis presented in the FSP/QAPP. The USEPA SW-846<sup>1</sup> analytical methods presented in the FSP/QAPP are updated on occasion by the USEPA to benefit from recent technological advancements in analytical chemistry and instrumentation. In most cases, the method upgrades include the incorporation of new technology that improves the sensitivity and stability of the instrumentation or allows the laboratory to increase throughput without hindering accuracy and precision. Overall, the analytical methods for this investigation have remained consistent in their general approach through continued use of the basic analytical techniques (e.g., sample extraction/preparation, instrument calibration, QA/QC procedures). Through this use of consistent base analytical procedures and by requiring that updated procedures meet the QA/QC criteria specified in the FSP/QAPP, the analytical data from past, present, and future sampling events will be comparable to allow for qualitative and quantitative assessment of site conditions.

#### **5.5 Completeness**

Completeness is defined as the percentage of measurements that are judged to be valid or usable to meet the prescribed DQOs. The completeness criterion is essentially the same for all data uses -- the generation of a sufficient amount of valid data. This analytical data set had an overall usability of 100%.

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<sup>1</sup> Test Methods for evaluating Solid Waste, SW-846, USEPA, Final Update III, December 1996.

**TABLE C - 1**  
**ANALYTICAL DATA VALIDATION SUMMARY**  
**ADDENDUM TO CONCEPTUAL REMOVAL DESIGN/REMOVAL ACTION WORK PLAN FOR THE LYMAN STREET AREA**

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
<b>PCBs</b>											
5BOP475	RAA12-DUP-1 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Aroclor-1254	Rinse blank	-	-	ND(0.039)	RAA12-OP15.5
5BOP475	RAA12-DUP-2 (0 - 1)	2/23/2005	Soil	Tier II	No	Total PCBs	Rinse blank	-	-	ND(0.039)	
5BOP475	RAA12-NO13 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Aroclor-1254	Rinse blank	-	-	ND(0.036)	
5BOP475	RAA12-NO13 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Total PCBs	Rinse blank	-	-	0.031 J	
5BOP475	RAA12-NO13.5 (0 - 1)	2/23/2005	Soil	Tier II	No	Aroclor-1254	Rinse blank	-	-	ND(0.37)	
5BOP475	RAA12-NO14.5 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Total PCBs	Rinse blank	-	-	0.28	
5BOP475	RAA12-O12.5 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Aroclor-1254	Rinse blank	-	-	ND(0.038)	
5BOP475	RAA12-O13.5 (0 - 1)	2/23/2005	Soil	Tier II	No	Total PCBs	Rinse blank	-	-	ND(0.038)	
5BOP475	RAA12-O14.5 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Aroclor-1254	Rinse blank	-	-	ND(0.092)	
5BOP475	RAA12-OP12 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Total PCBs	Rinse blank	-	-	0.046	
5BOP475	RAA12-OP12 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Aroclor-1254	Rinse blank	-	-	ND(0.065)	
5BOP475	RAA12-OP12.5 (0 - 1)	2/23/2005	Soil	Tier II	No	Total PCBs	Rinse blank	-	-	0.10	
5BOP475	RAA12-OP13.5 (0 - 1)	2/23/2005	Soil	Tier II	No	Aroclor-1254	Rinse blank	-	-	ND(0.10)	
5BOP475	RAA12-OP14 (0 - 1)	2/23/2005	Soil	Tier II	No	Total PCBs	Rinse blank	-	-	0.040	
5BOP475	RAA12-OP14 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Aroclor-1254	Rinse blank	-	-	ND(0.26)	
5BOP475	RAA12-OP14 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Total PCBs	Rinse blank	-	-	0.22	
5BOP475	RAA12-OP15.5 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Aroclor-1254	Rinse blank	-	-	ND(0.069)	
5BOP475	RAA12-OP15.5 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Total PCBs	Rinse blank	-	-	0.038	
5BOP475	RAA12-PQ12.5 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Aroclor-1254	Rinse blank	-	-	ND(0.11)	
5BOP475	RAA12-PQ12.5 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Total PCBs	Rinse blank	-	-	0.089	
5BOP475	RAA12-Q13E (0 - 1)	2/23/2005	Soil	Tier II	Yes	Aroclor-1254	Rinse blank	-	-	ND(0.33)	
5BOP475	RAA12-Q13E (0 - 1)	2/23/2005	Soil	Tier II	Yes	Total PCBs	Rinse blank	-	-	0.26	
5BOP475	RAA12-QR13 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Aroclor-1254	Rinse blank	-	-	ND(0.036)	
5BOP475	RAA12-QR13 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Total PCBs	Rinse blank	-	-	ND(0.036)	
5BOP475	RAA12-R13E (0 - 1)	2/23/2005	Soil	Tier II	Yes	Aroclor-1254	Rinse blank	-	-	ND(0.037)	
5BOP475	RAA12-R13E (0 - 1)	2/23/2005	Soil	Tier II	Yes	Total PCBs	Rinse blank	-	-	ND(0.037)	
5BOP475	RAA12-RS13 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Aroclor-1254	Rinse blank	-	-	ND(0.10)	
5BOP475	RAA12-RS13 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Total PCBs	Rinse blank	-	-	0.032 J	
5BOP475	RAA12-RS14 (0 - 1)	2/23/2005	Soil	Tier II	No	Aroclor-1254	Rinse blank	-	-	ND(0.33)	
5BOP475	RAA12-RS14.5 (0 - 1)	2/23/2005	Soil	Tier II	No	Total PCBs	Rinse blank	-	-	0.32	
5BOP475	RAA12-RS15 (0 - 1)	2/23/2005	Soil	Tier II	No	Aroclor-1254	Rinse blank	-	-	ND(2.6)	
5BOP475	RAA12-RS15.5 (0 - 1)	2/23/2005	Soil	Tier II	No	Total PCBs	Rinse blank	-	-	ND(2.6)	
5BOP475	RAA12-RS16 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Aroclor-1254	Rinse blank	-	-	ND(0.33)	
5BOP475	RAA12-RS16 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Total PCBs	Rinse blank	-	-	0.32	
5BOP475	RAA12-S14.5 (0 - 1)	2/23/2005	Soil	Tier II	No	Aroclor-1254	Rinse blank	-	-	ND(2.6)	
5BOP475	RAA12-S15.5 (0 - 1)	2/23/2005	Soil	Tier II	No	Total PCBs	Rinse blank	-	-	ND(2.6)	
5BOP475	RAA12-ST13 (0 - 1)	2/23/2005	Soil	Tier II	No	Aroclor-1254	Rinse blank	-	-	ND(0.32)	
5BOP475	RAA12-ST13.5 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Total PCBs	Rinse blank	-	-	0.24	
5BOP475	RAA12-ST14.5 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Aroclor-1254	Rinse blank	-	-	ND(0.32)	
5BOP475	RAA12-ST14.5 (0 - 1)	2/23/2005	Soil	Tier II	Yes	Total PCBs	Rinse blank	-	-	0.24	
5BOP532	RB-022305-1	2/25/2005	Water	Tier II	No	Aroclor-1254	Rinse blank	-	-	ND(0.32)	
5BOP532	RAA12-NO14 (0 - 1)	2/25/2005	Soil	Tier II	No	Total PCBs	Rinse blank	-	-	ND(0.32)	
5BOP532	RAA12-OP13 (0 - 1)	2/25/2005	Soil	Tier II	No	Aroclor-1254	Rinse blank	-	-	ND(0.32)	
5BOP532	RB022505-1	2/25/2005	Water	Tier II	No	Total PCBs	Rinse blank	-	-	ND(0.32)	
<b>Metals</b>											
5BOP532	RAA12-DUP-3 (1 - 3)	2/25/2005	Soil	Tier II	Yes	Copper	Serial Dilution	81.4%	<10%	53.0 J	RAA12-NO14
						Lead	Serial Dilution	81.0%	<10%	110 J	
						Mercury	MS %R	71.4%	75% to 125%	0.330 J	
						Selenium	CRDL Standard %R	64.3%	80% to 120%	1.80 J	
						Tin	Method Blank	-	-	ND(13.0)	
						Zinc	MS %R	135.0%	75% to 125%	120 J	
						Zinc	Serial Dilution	80.8%	<10%	120 J	
						Zinc	MS %R	135.0%	75% to 125%	120 J	
5BOP532	RAA12-NO14 (1 - 3)	2/25/2005	Soil	Tier II	Yes	Copper	Serial Dilution	81.4%	<10%	54.0 J	
						Lead	Serial Dilution	81.0%	<10%	120 J	
						Mercury	MS %R	71.4%	75% to 125%	0.460 J	
						Selenium	CRDL Standard %R	64.3%	80% to 120%	0.990 J	
						Zinc	MS %R	135.0%	75% to 125%	120 J	
						Zinc	Serial Dilution	-	-		

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
<b>Metals (continued)</b>											
5BOP532	RAA12-NO14 (1 - 3)	2/25/2005	Soil	Tier II	Yes	Zinc	Serial Dilution	80.8%	<10%	120 J	
5BOP532	RAA12-OP13 (6 - 10)	2/25/2005	Soil	Tier II	Yes	Copper	Serial Dilution	81.4%	<10%	120 J	
						Lead	Serial Dilution	81.0%	<10%	380 J	
						Mercury	MS %R	71.4%	75% to 125%	0.700 J	
						Zinc	MS %R	135.0%	75% to 125%	480 J	
						Zinc	Serial Dilution	80.8%	<10%	480 J	
5BOP532	RB022505-1	2/25/2005	Water	Tier II	Yes	Thallium	CRDL Standard %R	125.3%	80% to 120%	ND(0.0100) J	
<b>VOCs</b>											
5BOP532	RAA12-DUP-3 (1 - 3)	2/25/2005	Soil	Tier II	Yes	1,2-Dibromo-3-chloropropane	CCAL %D	99.9%	<25%	ND(0.0062) J	RAA12-NO14
						1,4-Dioxane	CCAL %D	99.9%	<25%	ND(0.12) J	
						1,4-Dioxane	CCAL RRF	0.004	>0.05	ND(0.12) J	
						Acetonitrile	CCAL %D	99.9%	<25%	ND(0.12) J	
						Acetonitrile	CCAL RRF	0.033	>0.05	ND(0.12) J	
						Acrolein	CCAL RRF	0.007	>0.05	ND(0.12) J	
						Bromodichloromethane	CCAL %D	57.6%	<25%	ND(0.0062) J	
						Bromomethane	CCAL %D	39.2%	<25%	ND(0.0062) J	
						Dibromochloromethane	CCAL %D	99.9%	<25%	ND(0.0062) J	
						Isobutanol	CCAL %D	43.6%	<25%	ND(0.12) J	
						Isobutanol	CCAL RRF	0.019	>0.05	ND(0.12) J	
						Methacrylonitrile	CCAL %D	36.8%	<25%	ND(0.0062) J	
						Propionitrile	CCAL RRF	0.008	>0.05	ND(0.012) J	
						Vinyl Acetate	CCAL %D	99.9%	<25%	ND(0.0062) J	
						Vinyl Chloride	CCAL %D	37.6%	<25%	ND(0.0062) J	
						Xylenes (total)	CCAL %D	41.3%	<25%	ND(0.0062) J	
5BOP532	RAA12-NO14 (1 - 3)	2/25/2005	Soil	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.001	>0.05	ND(0.13) J	
						Acetonitrile	CCAL RRF	0.008	>0.05	ND(0.13) J	
						Acrolein	CCAL RRF	0.005	>0.05	ND(0.13) J	
						Dichlorodifluoromethane	CCAL %D	39.2%	<25%	ND(0.0064) J	
						Isobutanol	CCAL RRF	0.012	>0.05	0.033 J	
						Propionitrile	CCAL RRF	0.008	>0.05	ND(0.013) J	
						trans-1,4-Dichloro-2-butene	CCAL %D	42.8%	<25%	ND(0.0064) J	
						Trichlorofluoromethane	CCAL %D	28.0%	<25%	ND(0.0064) J	
5BOP532	RAA12-OP13 (8 - 10)	2/25/2005	Soil	Tier II	Yes	1,1,1,2-Tetrachloroethane	Internal Standard Chlorobenzene-d5 %R	29.2%	50% to 200%	ND(0.0070) J	
						1,1,1-Trichloroethane	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						1,1,2,2-Tetrachloroethane	Internal Standard 1,2-Dichlorobenzene-d4 %R	26.3%	50% to 200%	ND(0.0070) J	
						1,1,2-Trichloroethane	Internal Standard Chlorobenzene-d5 %R	29.2%	50% to 200%	ND(0.0070) J	
						1,1-Dichloroethane	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						1,1-Dichloroethene	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						1,2,3-Trichloropropane	Internal Standard 1,2-Dichlorobenzene-d4 %R	26.3%	50% to 200%	ND(0.0070) J	
						1,2-Dibromo-3-chloropropane	Internal Standard 1,2-Dichlorobenzene-d4 %R	26.3%	50% to 200%	ND(0.0070) J	
						1,2-Dibromoethane	Internal Standard Chlorobenzene-d5 %R	29.2%	50% to 200%	ND(0.0070) J	
						1,2-Dichloroethane	CCAL %D	36.4%	<25%	ND(0.0070) J	
						1,2-Dichloroethane	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						1,2-Dichloropropane	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						1,4-Dioxane	CCAL RRF	0.1%	>0.05	ND(0.14) J	
						1,4-Dioxane	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.14) J	
						2-Butanone	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.014) J	
						2-Chloro-1,3-butadiene	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						2-Chloroethylvinylether	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						2-Hexanone	Internal Standard Chlorobenzene-d5 %R	29.2%	50% to 200%	ND(0.014) J	
						3-Chloropropene	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						4-Methyl-2-pentanone	CCAL %D	42.4%	<25%	ND(0.014) J	
						4-Methyl-2-pentanone	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.014) J	
						Acetone	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.028) J	
						Acetonitrile	CCAL RRF	1.7%	>0.05	ND(0.14) J	
						Acetonitrile	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.14) J	
						Acrolein	CCAL RRF	0.6%	>0.05	ND(0.14) J	
						Acrolein	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.14) J	
						Acrylonitrile	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Benzene	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Bromodichloromethane	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Bromoform	Internal Standard Chlorobenzene-d5 %R	29.2%	50% to 200%	ND(0.0070) J	
						Bromomethane	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Carbon Disulfide	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	

TABLE C - 1  
ANALYTICAL DATA VALIDATION SUMMARY  
ADDENDUM TO CONCEPTUAL REMOVAL DESIGN/REMOVAL ACTION WORK PLAN FOR THE LYMAN STREET AREA

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
<b>VOCs (continued)</b>											
5B0P532	RAA12-OP13 (8 - 10)	2/25/2005	Soil	Tier II	Yes	Carbon Tetrachloride	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Chlorobenzene	Internal Standard Chlorobenzene-d5 %R	29.2%	50% to 200%	ND(0.0070) J	
						Chloroethane	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Chloroform	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Chloromethane	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						cis-1,3-Dichloropropene	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Dibromochloromethane	Internal Standard Chlorobenzene-d5 %R	29.2%	50% to 200%	ND(0.0070) J	
						Dibromomethane	CCAL %D	38.0%	<25%	ND(0.0070) J	
						Dibromomethane	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Dichlorodifluoromethane	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Ethyl Methacrylate	Internal Standard Chlorobenzene-d5 %R	29.2%	50% to 200%	ND(0.0070) J	
						Ethylbenzene	Internal Standard Chlorobenzene-d5 %R	29.2%	50% to 200%	ND(0.0070) J	
						Iodomethane	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Isobutanol	CCAL RRF	2.9%	>0.05	ND(0.14) J	
						Isobutanol	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.14) J	
						Methacrylonitrile	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Methyl Methacrylate	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Methylene Chloride	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Propionitrile	CCAL RRF	1.3%	>0.05	ND(0.014) J	
						Propionitrile	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.014) J	
						Styrene	Internal Standard Chlorobenzene-d5 %R	29.2%	50% to 200%	ND(0.0070) J	
						Tetrachloroethene	Internal Standard Chlorobenzene-d5 %R	29.2%	50% to 200%	ND(0.0070) J	
						Toluene	MS/MSD RPD	24.1%	<21%	ND(0.0070) J	
						Toluene	Internal Standard Chlorobenzene-d5 %R	29.2%	50% to 200%	ND(0.0070) J	
						trans-1,2-Dichloroethene	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						trans-1,3-Dichloropropene	Internal Standard Chlorobenzene-d5 %R	29.2%	50% to 200%	ND(0.0070) J	
						trans-1,4-Dichloro-2-butene	Internal Standard 1,2-Dichlorobenzene-d4 %R	26.3%	50% to 200%	ND(0.0070) J	
						Trichloroethene	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Trichlorofluoromethane	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Vinyl Acetate	CCAL %D	44.8%	<25%	ND(0.0070) J	
						Vinyl Acetate	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Vinyl Chloride	Internal Standard Fluorobenzene %R	45.8%	50% to 200%	ND(0.0070) J	
						Xylenes (total)	Internal Standard Chlorobenzene-d5 %R	29.2%	50% to 200%	ND(0.0070) J	
5B0P532	RB022505-1	2/25/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.002	>0.05	ND(0.20) J	
						2-Butanone	CCAL %D	25.6%	<25%	ND(0.010) J	
						2-Hexanone	CCAL %D	32.0%	<25%	ND(0.010) J	
						Acetonitrile	iCAL RRF	0.044	>0.05	ND(0.10) J	
						Acetonitrile	CCAL RRF	0.040	>0.05	ND(0.10) J	
						Acrolein	CCAL RRF	0.010	>0.05	ND(0.10) J	
						Isobutanol	iCAL RRF	0.015	>0.05	ND(0.10) J	
						Isobutanol	CCAL RRF	0.014	>0.05	ND(0.10) J	
						Propionitrile	CCAL RRF	0.024	>0.05	ND(0.010) J	
						Vinyl Acetate	CCAL %D	28.4%	<25%	ND(0.0050) J	
5B0P532	TRIP BLANK	2/25/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.002	>0.05	ND(0.20) J	
						2-Butanone	CCAL %D	25.6%	<25%	ND(0.010) J	
						2-Hexanone	CCAL %D	32.0%	<25%	ND(0.010) J	
						Acetonitrile	iCAL RRF	0.044	>0.05	ND(0.10) J	
						Acetonitrile	CCAL RRF	0.040	>0.05	ND(0.10) J	
						Acrolein	CCAL RRF	0.010	>0.05	ND(0.10) J	
						Isobutanol	iCAL RRF	0.015	>0.05	ND(0.10) J	
						Isobutanol	CCAL RRF	0.014	>0.05	ND(0.10) J	
						Propionitrile	CCAL RRF	0.024	>0.05	ND(0.010) J	
						Vinyl Acetate	CCAL %D	28.4%	<25%	ND(0.0050) J	
<b>SVOCs</b>											
5B0P532	RAA12-DUP-3 (1 - 3)	2/25/2005	Soil	Tier II	Yes	1,4-Naphthoquinone	CCAL %D	37.7%	<25%	ND(0.83) J	RAA12-NO14
						4-Nitroquinoline-1-oxide	CCAL %D	44.7%	<25%	ND(0.83) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.032	>0.05	ND(0.83) J	
						a,a'-Dimethylphenethylamine	CCAL %D	35.2%	<25%	ND(0.83) J	
						Aniline	CCAL %D	48.1%	<25%	ND(0.41) J	
						Benzidine	iCAL Linear Regression	0.412	>0.99	ND(0.83) J	
						Benzidine	CCAL %D	89.2%	<25%	ND(0.83) J	
						Benzidine	CCAL RRF	0.024	>0.05	ND(0.83) J	
						Hexachlorocyclopentadiene	CCAL %D	28.2%	<25%	ND(0.41) J	
						Hexachlorophene	iCAL %RSD	34.5%	<30%	ND(0.83) J	

**TABLE C - 1**  
**ANALYTICAL DATA VALIDATION SUMMARY**  
**ADDENDUM TO CONCEPTUAL REMOVAL DESIGN/REMOVAL ACTION WORK PLAN FOR THE LYMAN STREET AREA**

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
<b>SVOCs (continued)</b>											
5B0P532	RAA12-DUP-3 (1 - 3)	2/25/2005	Soil	Tier II	Yes	Hexachlorophene	CCAL %D	95.5%	<25%	ND(0.83) J	
						Hexachlorophene	CCAL RRF	0.029	>0.05	ND(0.83) J	
						Ispophorone	CCAL %D	28.0%	<25%	ND(0.41) J	
						Iisosafrole	CCAL %D	96.0%	<25%	ND(0.83) J	
						Methapyrilene	CCAL %D	42.9%	<25%	ND(0.83) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.41) J	
5B0P532	RAA12-NO14 (1 - 3)	2/25/2005	Soil	Tier II	Yes	1,4-Naphthoquinone	CCAL %D	33.4%	<25%	ND(0.86) J	
						2,4-Dinitrophenol	CCAL %D	40.4%	<25%	ND(2.2) J	
						4,6-Dinitro-2-methylphenol	CCAL %D	32.6%	<25%	ND(0.43) J	
						4-Nitroquinoline-1-oxide	CCAL %D	48.6%	<25%	ND(0.86) J	
						a,a'-Dimethylphenethylamine	CCAL %D	32.7%	<25%	ND(0.86) J	
						Aniline	CCAL %D	48.5%	<25%	ND(0.43) J	
						Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.86) J	
						Benzidine	CCAL %D	98.0%	<25%	ND(0.86) J	
						Benzidine	CCAL RRF	0.021	>0.05	ND(0.86) J	
						Hexachlorocyclopentadiene	CCAL %D	41.5%	<25%	ND(0.43) J	
						Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.86) J	
						Hexachlorophene	CCAL %D	96.4%	<25%	ND(0.86) J	
						Hexachlorophene	CCAL RRF	0.023	>0.05	ND(0.86) J	
						Ispophorone	CCAL %D	31.4%	<25%	ND(0.43) J	
						Iisosafrole	CCAL %D	83.9%	<25%	ND(0.86) J	
						Methapyrilene	CCAL %D	47.6%	<25%	ND(0.86) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.43) J	
5B0P532	RAA12-OP13 (6 - 10)	2/25/2005	Soil	Tier II	Yes	2,4-Dinitrophenol	CCAL %D	26.9%	<25%	ND(2.5) J	
						4-Nitroquinoline-1-oxide	CCAL %D	33.0%	<25%	ND(0.99) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.039	>0.05	ND(0.99) J	
						a,a'-Dimethylphenethylamine	CCAL %D	36.3%	<25%	ND(0.99) J	
						Aniline	CCAL %D	49.2%	<25%	ND(0.49) J	
						Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.99) J	
						Benzidine	CCAL %D	68.2%	<25%	ND(0.99) J	
						Benzidine	CCAL RRF	0.011	>0.05	ND(0.99) J	
						Hexachlorocyclopentadiene	CCAL %D	29.7%	<25%	ND(0.49) J	
						Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.99) J	
						Hexachlorophene	CCAL %D	96.6%	<25%	ND(0.99) J	
						Hexachlorophene	CCAL RRF	0.022	>0.05	ND(0.99) J	
						Methapyrilene	CCAL %D	44.6%	<25%	ND(0.99) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.49) J	
5B0P532	RB022505-1	2/25/2005	Water	Tier II	Yes	4-Nitroquinoline-1-oxide	CCAL %D	34.5%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.038	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	31.1%	<25%	ND(0.010) J	
						Aniline	CCAL %D	47.0%	<25%	ND(0.010) J	
						Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
						Benzidine	CCAL %D	75.3%	<25%	ND(0.020) J	
						Benzidine	CCAL RRF	0.013	>0.05	ND(0.020) J	
						Hexachlorocyclopentadiene	CCAL %D	32.1%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
						Hexachlorophene	CCAL %D	93.5%	<25%	ND(0.020) J	
						Hexachlorophene	CCAL RRF	0.043	>0.05	ND(0.020) J	
						Methapyrilene	CCAL %D	38.8%	<25%	ND(0.010) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
<b>PCDDs/PCDFs</b>											
5B0P532	RAA12-DUP-3 (1 - 3)	2/25/2005	Soil	Tier II	Yes	2,3,7,8-TCDF	Field Duplicate RPD (Soil)	58.8%	<50%	0.0000044 J	RAA12-NO14
						HxCDFs (total)	Field Duplicate RPD (Soil)	80.3%	<50%	0.000011 J	
						PeCDFs (total)	Field Duplicate RPD (Soil)	91.3%	<50%	0.000015 J	
						TCDFs (total)	Field Duplicate RPD (Soil)	63.6%	<50%	0.000029 J	
5B0P532	RAA12-NO14 (1 - 3)	2/25/2005	Soil	Tier II	Yes	2,3,7,8-TCDF	Field Duplicate RPD (Soil)	58.8%	<50%	0.0000024 J	
						HxCDFs (total)	Field Duplicate RPD (Soil)	80.3%	<50%	0.0000047 J	
						PeCDFs (total)	Field Duplicate RPD (Soil)	91.3%	<50%	0.0000056 J	
						TCDFs (total)	Field Duplicate RPD (Soil)	63.6%	<50%	0.000015 J	
5B0P532	RAA12-OP13 (6 - 10)	2/25/2005	Soil	Tier II	No						
5B0P532	RB022505-1	2/25/2005	Water	Tier II	No						

**TABLE C - 1**  
**ANALYTICAL DATA VALIDATION SUMMARY**  
**ADDENDUM TO CONCEPTUAL REMOVAL DESIGN/REMOVAL ACTION WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**(Results are presented in parts per million, ppm)**

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
<b>Cyanides/Sulfides</b>											
5BOP532	RAA12-DUP-3 (1 - 3)	2/25/2005	Soil	Tier II	Yes	Sulfide	Field Duplicate RPD (Soil)	61.5%	<50%	18.0 J	RAA12-NO14
5BOP532	RAA12-NO14 (1 - 3)	2/25/2005	Soil	Tier II	Yes	Sulfide	Field Duplicate RPD (Soil)	61.5%	<50%	34.0 J	
5BOP532	RAA12-OP13 (6 - 10)	2/25/2005	Soil	Tier II	Yes	Sulfide	Field Duplicate RPD (Soil)	61.5%	<50%	130 J	
5BOP532	RB022505-1	2/25/2005	Water	Tier II	No						

## ***Appendix D***

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### **PCB Spatial Averaging Evaluation Tables and Polygon Maps**



## **Appendix D Tables**

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- Table D-1 – Existing Conditions – Parcel I9-4-201 (Sub-Area 201A Only): 0- to 1-Foot Depth Increment
- Table D-2 – Existing Conditions – Parcel I9-4-201 (Sub-Area 201A Only): 1- to 15-Foot Depth Increment
- Table D-3 – Post-Remediation Conditions – Parcel I9-4-201 (Sub-Area 201A Only): 0- to 1-Foot Depth Increment
- Table D-4 – Post-Remediation Conditions – Parcel I9-4-201 (Sub-Area 201A Only): 1- to 15-Foot Depth Increment
- Table D-5 – Existing Conditions – Parcel I9-4-201 (Commercial Portion): 0- to 1-Foot Depth Increment
- Table D-6 – Existing Conditions – Parcel I9-4-201 (Commercial Portion): 0- to 3-Foot Depth Increment
- Table D-7 – Existing Conditions – Parcel I9-4-201 (Commercial Portion): 1- to 6-Foot Depth Increment
- Table D-8 – Existing Conditions – Parcel I9-4-201 (Commercial Portion): 0- to 15-Foot Depth Increment
- Table D-9 – Existing Conditions – Parcel I9-4-203: 0- to 1-Foot Depth Increment
- Table D-10 – Existing Conditions – Parcel I9-4-203: 0- to 3-Foot Depth Increment
- Table D-11 – Existing Conditions – Parcel I9-4-203: 1- to 6-Foot Depth Increment
- Table D-12 – Existing Conditions – Parcel I9-4-203: 0- to 15-Foot Depth Increment
- Table D-13 – Post-Remediation Conditions – Parcel I9-4-203: 0- to 1-Foot Depth Increment
- Table D-14 – Post-Remediation Conditions – Parcel I9-4-203: 0- to 3-Foot Depth Increment
- Table D-15 – Post-Remediation Conditions – Parcel I9-4-203: 0- to 15-Foot Depth Increment

**TABLE D-1**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 0- TO 1-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**0- TO 0.5-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	2050,2706	421	0 - 0.5	1.83	7.80	1.83	14.28
OT000011	2048,2800	649	0 - 0.5	0.32	12.02	0.32	3.85
OT000012	2043,2802	277	0 - 0.5	1.5	5.14	1.50	7.71
OT000013	2040,2801	512	0 - 0.5	0.67	9.47	0.67	6.35
RAA12-N14	2032,2721	555	0 - 0.5	0.118	10.29	0.12	1.21
RAA12-NO13	2034,2806	414	0 - 0.5	0.031	7.67	0.03	0.24
RAA12-NO13.5	2033,2807	711	0 - 0.5	<b>0.0195</b>	13.16	0.02	0.26
RAA12-NO14	2808	623	0 - 0.5	0.033	11.53	0.03	0.38
RAA12-NO14.5	2809	644	0 - 0.5	0.28	11.92	0.28	3.34
RAA12-O12	2036,2925	212	0 - 0.5	0.031	3.93	0.03	0.12
RAA12-O12.5	2035,2810	645	0 - 0.5	<b>0.019</b>	11.94	0.02	0.23
RAA12-O13	2690	611	0 - 0.5	0.023	11.31	0.02	0.26
RAA12-O13.5	2811	623	0 - 0.5	<b>0.0185</b>	11.53	0.02	0.21
RAA12-O14	2691	626	0 - 0.5	<b>0.0175</b>	11.59	0.02	0.20
RAA12-O14.5	2812	625	0 - 0.5	0.046	11.57	0.05	0.53
RAA12-O15	2692	566	0 - 0.5	<b>0.018</b>	10.49	0.02	0.19
RAA12-OP12	2037,2813	379	0 - 0.5	0.1	7.01	0.10	0.70
RAA12-OP12.5	2038,2814	646	0 - 0.5	<b>0.019</b>	11.97	0.02	0.23
RAA12-OP13	2815	623	0 - 0.5	0.021	11.54	0.02	0.24
RAA12-OP13.5	2816	767	0 - 0.5	<b>0.019</b>	14.21	0.02	0.27
RAA12-OP14	2817	488	0 - 0.5	<b>0.02</b>	9.05	0.02	0.18
RAA12-OP14.5	2818	648	0 - 0.5	0.04	12.00	0.04	0.48
RAA12-OP15	2819	419	0 - 0.5	0.22	7.76	0.22	1.71
RAA12-OP15.5	2820	362	0 - 0.5	0.02875	6.70	0.03	0.19
RAA12-P12	2039,2927	86	0 - 0.5	<b>0.0175</b>	1.60	0.02	0.03
RAA12-P13	2688	540	0 - 0.5	0.14	9.99	0.14	1.40
RAA12-P14	2720	378	0 - 0.5	0.078	7.00	0.08	0.55
RAA12-P15	2689	195	0 - 0.5	0.59	3.61	0.59	2.13
RAA12-PQ12.5	2041,2821	504	0 - 0.5	0.089	9.34	0.09	0.83
RAA12-Q13	2042,2687	201	0 - 0.5	<b>0.018</b>	3.72	0.02	0.07
RAA12-Q13E	2834	292	0 - 0.5	0.26	5.41	0.26	1.41
RAA12-QR13	2044,2835	341	0 - 0.5	<b>0.018</b>	6.32	0.02	0.11
RAA12-R13	2045,2686	214	0 - 0.5	<b>0.0175</b>	3.95	0.02	0.07
RAA12-R13E	2830	312	0 - 0.5	<b>0.0185</b>	5.78	0.02	0.11
RAA12-RS13	2046,2046A,2831,2831A	555	0 - 0.5	0.032	10.28	0.03	0.33
RAA12-RS14	2822	535	0 - 0.5	49	9.92	49.00	485.84
RAA12-RS14.5	2823	397	0 - 0.5	22.6	7.35	22.60	166.00
RAA12-RS15	2824	522	0 - 0.5	26	9.67	26.00	251.54
RAA12-RS15.5	2832,2832A	665	0 - 0.5	4.2	12.31	4.20	51.69
RAA12-RS16	2833	684	0 - 0.5	0.32	12.67	0.32	4.06
RAA12-S13	2047,2682	414	0 - 0.5	430	7.66	430.00	3,294.99
RAA12-S14	2683	724	0 - 0.5	5.7	13.40	5.70	76.40
RAA12-S14.5	2825	622	0 - 0.5	12.3	11.53	12.30	141.77
RAA12-S15	2054,2684	703	0 - 0.5	0.91	13.03	0.91	11.85
RAA12-S15.5	2055,2826	719	0 - 0.5	15.55	13.32	15.55	207.16
RAA12-S16	2056,2685	721	0 - 0.5	0.55	13.35	0.55	7.34
RAA12-ST13	2827	330	0 - 0.5	61	6.12	61.00	373.15
RAA12-ST13.5	2049,2828	529	0 - 0.5	<b>1.3</b>	9.79	1.30	12.73
RAA12-ST14.5	2051,2829	388	0 - 0.5	0.24	7.19	0.24	1.73
RB010741	2052,2053	221	0 - 0.5	9.26	4.09	9.26	37.84
RB010761	2092	89	0 - 0.5	13.8	1.64	13.80	22.64
<b>Totals:</b>	--	24,929	--	--	461.64	--	5,197.10
<b>Volume-Weighted Average:</b>							<b>11.26</b>

**TABLE D-1**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 0- TO 1-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**0.5- TO 1-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	2665,2979	421	0.5 - 1	1.83	7.80	1.83	14.28
RAA12-N14	2702,2966	555	0.5 - 1	0.118	10.29	0.12	1.21
RAA12-NO13	2633,2968	414	0.5 - 1	0.031	7.67	0.03	0.24
RAA12-NO13.5	2634,2967	711	0.5 - 1	<b>0.0195</b>	13.16	0.02	0.26
RAA12-NO14	2635	623	0.5 - 1	0.033	11.53	0.03	0.38
RAA12-NO14.5	2636	644	0.5 - 1	0.28	11.92	0.28	3.34
RAA12-O12	2868,2969	212	0.5 - 1	0.031	3.93	0.03	0.12
RAA12-O12.5	2637,2873	645	0.5 - 1	<b>0.019</b>	11.94	0.02	0.23
RAA12-O13	2674	611	0.5 - 1	0.023	11.31	0.02	0.26
RAA12-O13.5	2638	623	0.5 - 1	<b>0.0185</b>	11.53	0.02	0.21
RAA12-O14	2675	626	0.5 - 1	<b>0.0175</b>	11.59	0.02	0.20
RAA12-O14.5	2639	625	0.5 - 1	0.046	11.57	0.05	0.53
RAA12-O15	2676	566	0.5 - 1	<b>0.018</b>	10.49	0.02	0.19
RAA12-OP12	2640,2970	379	0.5 - 1	0.1	7.01	0.10	0.70
RAA12-OP12.5	2641,2971	712	0.5 - 1	<b>0.019</b>	13.18	0.02	0.25
RAA12-OP13	2642	623	0.5 - 1	0.021	11.54	0.02	0.24
RAA12-OP13.5	2643	767	0.5 - 1	<b>0.019</b>	14.21	0.02	0.27
RAA12-OP14	2644	488	0.5 - 1	<b>0.02</b>	9.05	0.02	0.18
RAA12-OP14.5	2645	648	0.5 - 1	0.04	12.00	0.04	0.48
RAA12-OP15	2646	419	0.5 - 1	0.22	7.76	0.22	1.71
RAA12-OP15.5	2647	362	0.5 - 1	0.02875	6.70	0.03	0.19
RAA12-P12	2972,2973	257	0.5 - 1	<b>0.0175</b>	4.75	0.02	0.08
RAA12-P13	2672	615	0.5 - 1	0.14	11.39	0.14	1.59
RAA12-P14	2701	378	0.5 - 1	0.078	7.00	0.08	0.55
RAA12-P15	2673	195	0.5 - 1	0.59	3.61	0.59	2.13
RAA12-PQ12.5	2648,2870	705	0.5 - 1	0.089	13.06	0.09	1.16
RAA12-Q13	2671,2974	266	0.5 - 1	<b>0.018</b>	4.92	0.02	0.09
RAA12-Q13E	2661	354	0.5 - 1	0.26	6.56	0.26	1.71
RAA12-QR13	2662,2881	492	0.5 - 1	<b>0.018</b>	9.10	0.02	0.16
RAA12-R13	2712,2975	214	0.5 - 1	<b>0.0175</b>	3.95	0.02	0.07
RAA12-R13E	2657	312	0.5 - 1	<b>0.0185</b>	5.78	0.02	0.11
RAA12-RS13	2658,2582A,2883,2883A	560	0.5 - 1	0.032	10.38	0.03	0.33
RAA12-RS14	2649	558	0.5 - 1	49	10.33	49.00	505.94
RAA12-RS14.5	2650	397	0.5 - 1	22.6	7.35	22.60	166.00
RAA12-RS15	2651	522	0.5 - 1	26	9.67	26.00	251.54
RAA12-RS15.5	2659,2659	665	0.5 - 1	4.2	12.31	4.20	51.69
RAA12-RS16	2660	684	0.5 - 1	0.32	12.67	0.32	4.06
RAA12-S13	2667,2885	731	0.5 - 1	430	13.54	430.00	5,822.28
RAA12-S14	2668,2977	794	0.5 - 1	5.7	14.71	5.70	83.83
RAA12-S14.5	2652	623	0.5 - 1	12.3	11.54	12.30	141.92
RAA12-S15	2669,2981	815	0.5 - 1	0.91	15.09	0.91	13.73
RAA12-S15.5	2653,2982	720	0.5 - 1	15.55	13.33	15.55	207.22
RAA12-S16	2670,2983	721	0.5 - 1	0.55	13.35	0.55	7.34
RAA12-ST13	2654	459	0.5 - 1	61	8.51	61.00	518.86
RAA12-ST13.5	2655,2976,2978	722	0.5 - 1	<b>1.3</b>	13.38	1.30	17.39
RAA12-ST14.5	2656,2980	497	0.5 - 1	0.24	9.20	0.24	2.21
<b>Totals:</b>	--	24,929	--	--	461.65	--	7,827.47
<b>Volume-Weighted Average:</b> <b>16.96</b>							

**TABLE D-1**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 0- TO 1-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**SUMMARY: 0- TO 1-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
Totals:	--	24,929	--	--	923.29	--	13,024.56

**Notes:**

1. Polygon ID and area based on information shown on Figures D-1 and D-2.
2. Non-detectable PCBs included as one-half the detection limit in calculations and shown in bold.
3. For instances where a duplicate sample was available, the average of the samples was included in table.
4. All calculations and rounding are performed by the computer software. Therefore, certain quantities in above table are displayed as rounded numbers for table clarity.

**TABLE D-2**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 1- TO 15-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

1- TO 2-FOOT DEPTH INCREMENT

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	373	1,202	1 - 2	16.9	44.50	16.90	752.09
LSSC-31	364	172	1 - 2	2.9	6.38	2.90	18.50
RAA12-N14	392	1,431	1 - 2	0.124	53.00	0.12	6.57
RAA12-O12	479	857	1 - 2	0.16	31.76	0.16	5.08
RAA12-O13	360	2,585	1 - 2	<b>0.018</b>	95.75	0.02	1.72
RAA12-O14	361	2,202	1 - 2	<b>0.0185</b>	81.56	0.02	1.51
RAA12-O15	362	1,252	1 - 2	0.209	46.38	0.21	9.69
RAA12-P12	480	776	1 - 2	<b>0.019</b>	28.75	0.02	0.55
RAA12-P13	358	1,571	1 - 2	0.12	58.17	0.12	6.98
RAA12-P14	391	1,273	1 - 2	0.17	47.15	0.17	8.01
RAA12-P15	359	1,119	1 - 2	0.65	41.46	0.65	26.95
RAA12-Q13	357	1,145	1 - 2	0.86	42.39	0.86	36.46
RAA12-R13	356	1,042	1 - 2	2.06	38.58	2.06	79.47
RAA12-S13	352	1,536	1 - 2	49	56.91	49.00	2,788.43
RAA12-S14	353	1,922	1 - 2	52	71.17	52.00	3,701.09
RAA12-S15	354	2,390	1 - 2	107	88.54	107.00	9,473.34
RAA12-S16	355	1,937	1 - 2	1.96	71.73	1.96	140.60
RB010741	425	517	1 - 1.5	25.5	19.13	25.50	487.81
<b>Totals:</b>	--	24,929	--	--	923.31	--	17,544.86
<b>Volume-Weighted Average:</b>							<b>19.00</b>

2- TO 3-FOOT DEPTH INCREMENT

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	366	1,202	2 - 3	16.9	44.51	16.90	752.16
LSSC-31	357	172	2 - 3	2.9	6.38	2.90	18.50
RAA12-N14	379	1,431	2 - 3	0.124	53.00	0.12	6.57
RAA12-O12	463	858	2 - 3	0.16	31.76	0.16	5.08
RAA12-O13	353	2,585	2 - 3	<b>0.018</b>	95.75	0.02	1.72
RAA12-O14	354	2,202	2 - 3	<b>0.0185</b>	81.56	0.02	1.51
RAA12-O15	355	1,252	2 - 3	0.209	46.38	0.21	9.69
RAA12-P12	464	776	2 - 3	<b>0.019</b>	28.75	0.02	0.55
RAA12-P13	351	1,571	2 - 3	0.12	58.17	0.12	6.98
RAA12-P14	378	1,273	2 - 3	0.17	47.14	0.17	8.01
RAA12-P15	352	1,119	2 - 3	0.65	41.46	0.65	26.95
RAA12-Q13	350	1,145	2 - 3	0.86	42.40	0.86	36.46
RAA12-R13	349	1,041	2 - 3	2.06	38.57	2.06	79.46
RAA12-S13	345	1,536	2 - 3	49	56.91	49.00	2,788.39
RAA12-S14	346	1,922	2 - 3	52	71.17	52.00	3,700.92
RAA12-S15	347	2,390	2 - 3	107	88.53	107.00	9,473.19
RAA12-S16	348	1,937	2 - 3	1.96	71.73	1.96	140.60
RB010741	415	517	2 - 2.5	227.5	19.13	227.50	4,353.09
<b>Totals:</b>	--	24,929	--	--	923.31	--	21,409.83
<b>Volume-Weighted Average:</b>							<b>23.19</b>

**TABLE D-2**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 1- TO 15-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**3- TO 4-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	338	1,254	3 - 4	55	46.44	55.00	2,554.10
LSSC-31	332	172	3 - 4	11.3	6.38	11.30	72.10
RAA12-N14	350A	1,431	3 - 4	<b>0.0195</b>	53.00	0.02	1.03
RAA12-O12	431	858	3 - 4	5.3	31.76	5.30	168.32
RAA12-O13	328	2,585	3 - 4	0.041	95.75	0.04	3.93
RAA12-O14	329	2,202	3 - 4	0.113	81.56	0.11	9.22
RAA12-O15	330	1,252	3 - 4	<b>0.0215</b>	46.38	0.02	1.00
RAA12-P12	432	776	3 - 4	1.96	28.75	1.96	56.34
RAA12-P13	326	1,571	3 - 4	0.157	58.17	0.16	9.13
RAA12-P14	349	1,273	3 - 4	0.028	47.14	0.03	1.32
RAA12-P15	327	1,119	3 - 4	0.33	41.46	0.33	13.68
RAA12-Q13	325	1,145	3 - 4	4.0	42.40	4.00	169.58
RAA12-R13	324	1,041	3 - 4	4.6	38.57	4.60	177.44
RAA12-S13	321	1,536	3 - 4	19.4	56.91	19.40	1,103.97
RAA12-S14	322	2,001	3 - 4	11.5	74.11	11.50	852.26
RAA12-S15	323	2,776	3 - 4	42	102.80	42.00	4,317.54
RAA12-S16	366	1,937	3 - 4	22.3	71.73	22.30	1,599.67
<b>Totals:</b>	--	24,929	--	--	923.31	--	11,110.64
							<b>Volume-Weighted Average:</b> 12.03

**4- TO 5-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	340	1,254	4 - 5	55	46.44	55.00	2,554.10
LSSC-31	333	172	4 - 5	11.3	6.38	11.30	72.10
RAA12-N14	358	1,431	4 - 5	<b>0.0195</b>	53.00	0.02	1.03
RAA12-O12	431	858	4 - 5	5.3	31.76	5.30	168.32
RAA12-O13	329	2,585	4 - 5	0.041	95.75	0.04	3.93
RAA12-O14	330	2,202	4 - 5	0.113	81.56	0.11	9.22
RAA12-O15	331	1,252	4 - 5	<b>0.0215</b>	46.38	0.02	1.00
RAA12-P12	432	776	4 - 5	1.96	28.75	1.96	56.34
RAA12-P13	327	1,571	4 - 5	0.157	58.17	0.16	9.13
RAA12-P14	357	1,273	4 - 5	0.028	47.14	0.03	1.32
RAA12-P15	328	1,119	4 - 5	0.33	41.46	0.33	13.68
RAA12-Q13	326	1,145	4 - 5	4.0	42.40	4.00	169.58
RAA12-R13	325	1,041	4 - 5	4.6	38.57	4.60	177.44
RAA12-S13	321	1,536	4 - 5	19.4	56.91	19.40	1,103.97
RAA12-S14	322	2,001	4 - 5	11.5	74.11	11.50	852.26
RAA12-S15	323	2,776	4 - 5	42	102.80	42.00	4,317.54
RAA12-S16	324	1,937	4 - 5	22.3	71.73	22.30	1,599.67
<b>Totals:</b>	--	24,929	--	--	923.31	--	11,110.64
							<b>Volume-Weighted Average:</b> 12.03

**TABLE D-2**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 1 TO 15-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**5- TO 6-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	340	1,254	5 - 6	55	46.44	55.00	2,554.10
LSSC-31	333	172	5 - 6	11.3	6.38	11.30	72.10
RAA12-N14	358	1,431	5 - 6	<b>0.0195</b>	53.00	0.02	1.03
RAA12-O12	431	858	5 - 6	5.3	31.76	5.30	168.32
RAA12-O13	329	2,585	5 - 6	0.041	95.75	0.04	3.93
RAA12-O14	330	2,202	5 - 6	0.113	81.56	0.11	9.22
RAA12-O15	331	1,252	5 - 6	<b>0.0215</b>	46.38	0.02	1.00
RAA12-P12	432	776	5 - 6	1.96	28.75	1.96	56.34
RAA12-P13	327	1,571	5 - 6	0.157	58.17	0.16	9.13
RAA12-P14	357	1,273	5 - 6	0.028	47.14	0.03	1.32
RAA12-P15	328	1,119	5 - 6	0.33	41.46	0.33	13.68
RAA12-Q13	326	1,145	5 - 6	4.0	42.40	4.00	169.58
RAA12-R13	325	1,041	5 - 6	4.6	38.57	4.60	177.44
RAA12-S13	321	1,536	5 - 6	19.4	56.91	19.40	1,103.97
RAA12-S14	322	2,001	5 - 6	11.5	74.11	11.50	852.26
RAA12-S15	323	2,776	5 - 6	42	102.80	42.00	4,317.54
RAA12-S16	324	1,937	5 - 6	22.3	71.73	22.30	1,599.67
<b>Totals:</b>	--	24,929	--	--	923.31	--	11,110.64
							<b>Volume-Weighted Average:</b> 12.03

**6- TO 8-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	347	1,254	6 - 8	13.2	92.88	13.20	1,225.97
LSSC-31	343A	172	6 - 8	2.4	12.76	2.40	30.63
RAA12-N14	361A	1,431	6 - 8	<b>0.021</b>	106.01	0.02	2.23
RAA12-O12	428	858	6 - 8	<b>0.030</b>	63.52	0.03	1.91
RAA12-O13	339	2,585	6 - 8	<b>0.0235</b>	191.50	0.02	4.50
RAA12-O14	340	2,202	6 - 8	<b>0.030</b>	163.13	0.03	4.89
RAA12-O15	341	1,252	6 - 8	<b>0.0245</b>	92.76	0.02	2.27
RAA12-P12	429	776	6 - 8	<b>0.0245</b>	57.49	0.02	1.41
RAA12-P13	337	1,571	6 - 8	0.52	116.35	0.52	60.50
RAA12-P14	360	1,273	6 - 8	<b>0.025</b>	94.28	0.03	2.36
RAA12-P15	338	1,119	6 - 8	<b>0.0215</b>	82.92	0.02	1.78
RAA12-Q13	336	1,145	6 - 8	0.37	84.79	0.37	31.37
RAA12-R13	335	1,041	6 - 8	2.21	77.15	2.21	170.50
RAA12-S13	331	1,536	6 - 8	5.07	113.81	5.07	577.03
RAA12-S14	332	2,001	6 - 8	0.10	148.22	0.10	14.82
RAA12-S15	333	2,776	6 - 8	6.32	205.60	6.32	1,299.37
RAA12-S16	334	1,937	6 - 8	0.014	143.47	0.01	2.01
<b>Totals:</b>	--	24,929	--	--	1,846.62	--	3,433.54
							<b>Volume-Weighted Average:</b> 1.86

**TABLE D-2**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 1- TO 15-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

8- TO 10-FOOT DEPTH INCREMENT

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	340	1,254	8 - 10	13.2	92.88	13.20	1,225.97
LSSC-31	333A	172	8 - 10	2.4	12.76	2.40	30.63
RAA12-N14	354	1,431	8 - 10	<b>0.021</b>	106.01	0.02	2.23
RAA12-O12	431	858	8 - 10	<b>0.030</b>	63.52	0.03	1.91
RAA12-O13	329	2,585	8 - 10	<b>0.0235</b>	191.50	0.02	4.50
RAA12-O14	330	2,202	8 - 10	<b>0.030</b>	163.13	0.03	4.89
RAA12-O15	331	1,252	8 - 10	<b>0.0245</b>	92.76	0.02	2.27
RAA12-P12	432	776	8 - 10	<b>0.0245</b>	57.49	0.02	1.41
RAA12-P13	327	1,571	8 - 10	0.52	116.35	0.52	60.50
RAA12-P14	353	1,273	8 - 10	<b>0.025</b>	94.28	0.03	2.36
RAA12-P15	328	1,119	8 - 10	<b>0.0215</b>	82.92	0.02	1.78
RAA12-Q13	326	1,145	8 - 10	0.37	84.79	0.37	31.37
RAA12-R13	325	1,041	8 - 10	2.21	77.15	2.21	170.50
RAA12-S13	321	1,536	8 - 10	5.07	113.81	5.07	577.03
RAA12-S14	322	2,001	8 - 10	0.10	148.22	0.10	14.82
RAA12-S15	323	2,776	8 - 10	6.32	205.60	6.32	1,299.37
RAA12-S16	324	1,937	8 - 10	0.014	143.47	0.01	2.01
<b>Totals:</b>	--	24,929	--	--	1,846.62	--	3,433.54
							<b>Volume-Weighted Average:</b> <b>1.86</b>

10- TO 12-FOOT DEPTH INCREMENT

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	340	1,254	10 - 12	0.957	92.88	0.96	88.88
LSSC-31	333A	172	10 - 12	<b>0.022</b>	12.76	0.02	0.28
RAA12-N14	357	1,431	10 - 12	<b>0.0215</b>	106.01	0.02	2.28
RAA12-O12	431	858	10 - 12	<b>0.023</b>	63.52	0.02	1.46
RAA12-O13	329	2,585	10 - 12	<b>0.024</b>	191.50	0.02	4.60
RAA12-O14	330	2,202	10 - 12	<b>0.0205</b>	163.13	0.02	3.34
RAA12-O15	331	1,252	10 - 12	<b>0.02075</b>	92.76	0.02	1.92
RAA12-P12	432	776	10 - 12	<b>0.033</b>	57.49	0.03	1.90
RAA12-P13	327	1,571	10 - 12	<b>0.0315</b>	116.35	0.03	3.66
RAA12-P14	356	1,273	10 - 12	<b>0.0355</b>	94.28	0.04	3.35
RAA12-P15	328	1,119	10 - 12	<b>0.0205</b>	82.92	0.02	1.70
RAA12-Q13	326	1,145	10 - 12	<b>0.0205</b>	84.79	0.02	1.74
RAA12-R13	325	1,041	10 - 12	0.045	77.15	0.05	3.47
RAA12-S13	321	1,536	10 - 12	<b>0.021</b>	113.81	0.02	2.39
RAA12-S14	322	2,001	10 - 12	0.51	148.22	0.51	75.59
RAA12-S15	323	2,776	10 - 12	0.04	205.60	0.04	8.22
RAA12-S16	324	1,937	10 - 12	<b>0.0195</b>	143.47	0.02	2.80
<b>Totals:</b>	--	24,929	--	--	1,846.62	--	207.59
							<b>Volume-Weighted Average:</b> <b>0.11</b>

**TABLE D-2**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 1- TO 15-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**12- TO 14-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	371	1,254	12 - 14	0.957	92.88	0.96	88.88
LSSC-31	328A	172	12 - 14	<b>0.022</b>	12.76	0.02	0.28
RAA12-N14	348	1,431	12 - 14	<b>0.0215</b>	106.01	0.02	2.28
RAA12-O12	431	858	12 - 14	<b>0.023</b>	63.52	0.02	1.46
RAA12-O13	369	2,585	12 - 14	<b>0.024</b>	191.50	0.02	4.60
RAA12-O14	325	2,202	12 - 14	<b>0.0205</b>	163.13	0.02	3.34
RAA12-O15	326	1,252	12 - 14	<b>0.02075</b>	92.76	0.02	1.92
RAA12-P12	432	776	12 - 14	<b>0.033</b>	57.49	0.03	1.90
RAA12-P13	368	1,571	12 - 14	<b>0.0315</b>	116.35	0.03	3.66
RAA12-P14	347	1,273	12 - 14	<b>0.0355</b>	94.28	0.04	3.35
RAA12-P15	324	1,119	12 - 14	<b>0.0205</b>	82.92	0.02	1.70
RAA12-Q13	367	1,145	12 - 14	<b>0.0205</b>	84.79	0.02	1.74
RAA12-R13	366	1,041	12 - 14	0.045	77.15	0.05	3.47
RAA12-S13	365	1,536	12 - 14	<b>0.021</b>	113.81	0.02	2.39
RAA12-S14	321	2,001	12 - 14	0.51	148.22	0.51	75.59
RAA12-S15	322	2,776	12 - 14	0.04	205.60	0.04	8.22
RAA12-S16	323	1,937	12 - 14	<b>0.0195</b>	143.47	0.02	2.80
<b>Totals:</b>	--	24,929	--	--	1,846.62	--	207.59
							<b>Volume-Weighted Average:</b> 0.11

**14- TO 15-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	354	1,254	14 - 15	0.957	46.44	0.96	44.44
LSSC-31	359A	172	14 - 15	<b>0.022</b>	6.38	0.02	0.14
RAA12-N14	339	1,431	14 - 15	<b>0.0215</b>	53.00	0.02	1.14
RAA12-O12	431	858	14 - 15	<b>0.023</b>	31.76	0.02	0.73
RAA12-O13	363	2,585	14 - 15	<b>0.024</b>	95.75	0.02	2.30
RAA12-O14	362	2,202	14 - 15	<b>0.0205</b>	81.56	0.02	1.67
RAA12-O15	361	1,252	14 - 15	<b>0.02075</b>	46.38	0.02	0.96
RAA12-P12	432	776	14 - 15	<b>0.033</b>	28.75	0.03	0.95
RAA12-P13	365	1,571	14 - 15	<b>0.0315</b>	58.17	0.03	1.83
RAA12-P14	340	1,273	14 - 15	<b>0.0355</b>	47.14	0.04	1.67
RAA12-P15	364	1,119	14 - 15	<b>0.0205</b>	41.46	0.02	0.85
RAA12-Q13	366	1,145	14 - 15	<b>0.0205</b>	42.40	0.02	0.87
RAA12-R13	367	1,041	14 - 15	0.045	38.57	0.05	1.74
RAA12-S13	370	1,536	14 - 15	<b>0.021</b>	56.91	0.02	1.20
RAA12-S14	369	2,001	14 - 15	0.51	74.11	0.51	37.80
RAA12-S15	368	2,776	14 - 15	0.04	102.80	0.04	4.11
RAA12-S16	374	1,937	14 - 15	<b>0.0195</b>	71.73	0.02	1.40
<b>Totals:</b>	--	24,929	--	--	923.31	--	103.80
							<b>Volume-Weighted Average:</b> 0.11

**TABLE D-2**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 1- TO 15-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**SUMMARY: 1- TO 15-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
<b>Totals:</b>	--	24,929	--	--	12,926.35	--	79,672.67

**Notes:**

1. Polygon ID and area based on information shown on Figures D-3 through D-12.
2. Non-detectable PCBs included as one-half the detection limit in calculations and shown in bold.
3. For instances where a duplicate sample was available, the average of the samples was included in table.
4. All calculations and rounding are performed by the computer software. Therefore, certain quantities in above table are displayed as rounded numbers for table clarity.

**TABLE D-3**  
**POST-REMEDIATION CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 0- TO 1-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**0- TO 0.5-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	2050,2706	421	0 - 0.5	1.83	7.80	1.83	14.28
OT000011	2048,2800	649	0 - 0.5	0.32	12.02	0.32	3.85
OT000012	2043,2802	277	0 - 0.5	1.5	5.14	1.50	7.71
OT000013	2040,2801	512	0 - 0.5	0.67	9.47	0.67	6.35
RAA12-N14	2032,2721	555	0 - 0.5	0.118	10.29	0.12	1.21
RAA12-NO13	2034,2806	414	0 - 0.5	0.031	7.67	0.03	0.24
RAA12-NO13.5	2033,2807	711	0 - 0.5	<b>0.0195</b>	13.16	0.02	0.26
RAA12-NO14	2808	623	0 - 0.5	0.033	11.53	0.03	0.38
RAA12-NO14.5	2809	644	0 - 0.5	0.28	11.92	0.28	3.34
RAA12-O12	2036,2925	212	0 - 0.5	0.031	3.93	0.03	0.12
RAA12-O12.5	2035,2810	645	0 - 0.5	<b>0.019</b>	11.94	0.02	0.23
RAA12-O13	2690	611	0 - 0.5	0.023	11.31	0.02	0.26
RAA12-O13.5	2811	623	0 - 0.5	<b>0.0185</b>	11.53	0.02	0.21
RAA12-O14	2691	626	0 - 0.5	<b>0.0175</b>	11.59	0.02	0.20
RAA12-O14.5	2812	625	0 - 0.5	0.046	11.57	0.05	0.53
RAA12-O15	2692	566	0 - 0.5	<b>0.018</b>	10.49	0.02	0.19
RAA12-OP12	2037,2813	379	0 - 0.5	0.1	7.01	0.10	0.70
RAA12-OP12.5	2038,2814	646	0 - 0.5	<b>0.019</b>	11.97	0.02	0.23
RAA12-OP13	2815	623	0 - 0.5	0.021	11.54	0.02	0.24
RAA12-OP13.5	2816	767	0 - 0.5	<b>0.019</b>	14.21	0.02	0.27
RAA12-OP14	2817	488	0 - 0.5	<b>0.02</b>	9.05	0.02	0.18
RAA12-OP14.5	2818	648	0 - 0.5	0.04	12.00	0.04	0.48
RAA12-OP15	2819	419	0 - 0.5	0.22	7.76	0.22	1.71
RAA12-OP15.5	2820	362	0 - 0.5	0.02875	6.70	0.03	0.19
RAA12-P12	2039,2927	86	0 - 0.5	<b>0.0175</b>	1.60	0.02	0.03
RAA12-P13	2688	540	0 - 0.5	0.14	9.99	0.14	1.40
RAA12-P14	2720	378	0 - 0.5	0.078	7.00	0.08	0.55
RAA12-P15	2689	195	0 - 0.5	0.59	3.61	0.59	2.13
RAA12-PQ12.5	2041,2821	504	0 - 0.5	0.089	9.34	0.09	0.83
RAA12-Q13	2042,2687	201	0 - 0.5	<b>0.018</b>	3.72	0.02	0.07
RAA12-Q13E	2834	292	0 - 0.5	0.26	5.41	0.26	1.41
RAA12-QR13	2044,2835	341	0 - 0.5	<b>0.018</b>	6.32	0.02	0.11
RAA12-R13	2045,2686	214	0 - 0.5	<b>0.0175</b>	3.95	0.02	0.07
RAA12-R13E	2830	312	0 - 0.5	<b>0.0185</b>	5.78	0.02	0.11
RAA12-RS13	2046,2831	341	0 - 0.5	<b>0.021</b>	6.31	0.02	0.13
RAA12-RS13	2046A,2831A	214	0 - 0.5	0.032	3.97	0.03	0.13
RAA12-RS14	2822	535	0 - 0.5	<b>0.021</b>	9.92	0.02	0.21
RAA12-RS14.5	2823	397	0 - 0.5	<b>0.021</b>	7.35	0.02	0.15
RAA12-RS15	2824	522	0 - 0.5	<b>0.021</b>	9.67	0.02	0.20
RAA12-RS15.5	2832	301	0 - 0.5	<b>0.021</b>	5.58	0.02	0.12
RAA12-RS15.5	2832A	363	0 - 0.5	4.2	6.73	4.20	28.26
RAA12-RS16	2833	684	0 - 0.5	0.32	12.67	0.32	4.06
RAA12-S13	2047,2682	414	0 - 0.5	<b>0.021</b>	7.66	0.02	0.16
RAA12-S14	2683	724	0 - 0.5	<b>0.021</b>	13.40	0.02	0.28
RAA12-S14.5	2825	622	0 - 0.5	<b>0.021</b>	11.53	0.02	0.24
RAA12-S15	2054,2684	703	0 - 0.5	0.91	13.03	0.91	11.85
RAA12-S15.5	2055,2826	719	0 - 0.5	<b>0.021</b>	13.32	0.02	0.28
RAA12-S16	2056,2685	721	0 - 0.5	0.55	13.35	0.55	7.34
RAA12-ST13	2827	330	0 - 0.5	<b>0.021</b>	6.12	0.02	0.13
RAA12-ST13.5	2049,2828	529	0 - 0.5	<b>1.3</b>	9.79	1.30	12.73
RAA12-ST14.5	2051,2829	388	0 - 0.5	0.24	7.19	0.24	1.73
RB010741	2052,2053	221	0 - 0.5	<b>0.021</b>	4.09	0.02	0.09
RB010761	2092	89	0 - 0.5	<b>0.021</b>	1.64	0.02	0.03
<b>Totals:</b>	--	24,929	--	--	461.64	--	118.17
					<b>Volume-Weighted Average:</b>	<b>0.26</b>	

**TABLE D-3**  
**POST-REMEDIATION CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 0- TO 1-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**0.5- TO 1-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH00057	2665,2979	421	0.5 - 1	1.83	7.80	1.83	14.28
RAA12-N14	2702,2966	555	0.5 - 1	0.118	10.29	0.12	1.21
RAA12-NO13	2633,2968	414	0.5 - 1	0.031	7.67	0.03	0.24
RAA12-NO13.5	2634,2967	711	0.5 - 1	<b>0.0195</b>	13.16	0.02	0.26
RAA12-NO14	2635	623	0.5 - 1	0.033	11.53	0.03	0.38
RAA12-NO14.5	2636	644	0.5 - 1	0.28	11.92	0.28	3.34
RAA12-O12	2868,2969	212	0.5 - 1	0.031	3.93	0.03	0.12
RAA12-O12.5	2637,2873	645	0.5 - 1	<b>0.019</b>	11.94	0.02	0.23
RAA12-O13	2674	611	0.5 - 1	0.023	11.31	0.02	0.26
RAA12-O13.5	2638	623	0.5 - 1	<b>0.0185</b>	11.53	0.02	0.21
RAA12-O14	2675	626	0.5 - 1	<b>0.0175</b>	11.59	0.02	0.20
RAA12-O14.5	2639	625	0.5 - 1	0.046	11.57	0.05	0.53
RAA12-O15	2676	566	0.5 - 1	<b>0.018</b>	10.49	0.02	0.19
RAA12-OP12	2640,2970	379	0.5 - 1	0.1	7.01	0.10	0.70
RAA12-OP12.5	2641,2971	712	0.5 - 1	<b>0.019</b>	13.18	0.02	0.25
RAA12-OP13	2642	623	0.5 - 1	0.021	11.54	0.02	0.24
RAA12-OP13.5	2643	767	0.5 - 1	<b>0.019</b>	14.21	0.02	0.27
RAA12-OP14	2644	488	0.5 - 1	<b>0.02</b>	9.05	0.02	0.18
RAA12-OP14.5	2645	648	0.5 - 1	0.04	12.00	0.04	0.48
RAA12-OP15	2646	419	0.5 - 1	0.22	7.76	0.22	1.71
RAA12-OP15.5	2647	362	0.5 - 1	0.02875	6.70	0.03	0.19
RAA12-P12	2972,2973	257	0.5 - 1	<b>0.0175</b>	4.75	0.02	0.08
RAA12-P13	2672	615	0.5 - 1	0.14	11.39	0.14	1.59
RAA12-P14	2701	378	0.5 - 1	0.078	7.00	0.08	0.55
RAA12-P15	2673	195	0.5 - 1	0.59	3.61	0.59	2.13
RAA12-PQ12.5	2648,2870	705	0.5 - 1	0.089	13.06	0.09	1.16
RAA12-Q13	2671,2974	266	0.5 - 1	<b>0.018</b>	4.92	0.02	0.09
RAA12-Q13E	2661	354	0.5 - 1	0.26	6.56	0.26	1.71
RAA12-QR13	2662,2881	492	0.5 - 1	<b>0.018</b>	9.10	0.02	0.16
RAA12-R13	2712,2975	214	0.5 - 1	<b>0.0175</b>	3.95	0.02	0.07
RAA12-R13E	2657	312	0.5 - 1	<b>0.0185</b>	5.78	0.02	0.11
RAA12-RS13	2658,2883	346	0.5 - 1	<b>0.021</b>	6.41	0.02	0.13
RAA12-RS13	2658A,2883A	214	0.5 - 1	0.032	3.97	0.03	0.13
RAA12-RS14	2649	558	0.5 - 1	<b>0.021</b>	10.33	0.02	0.22
RAA12-RS14.5	2650	397	0.5 - 1	<b>0.021</b>	7.35	0.02	0.15
RAA12-RS15	2651	522	0.5 - 1	<b>0.021</b>	9.67	0.02	0.20
RAA12-RS15.5	2659	301	0.5 - 1	<b>0.021</b>	5.58	0.02	0.12
RAA12-RS15.5	2659A	363	0.5 - 1	4.2	6.73	4.20	28.26
RAA12-RS16	2660	684	0.5 - 1	0.32	12.67	0.32	4.06
RAA12-S13	2667,2885	731	0.5 - 1	<b>0.021</b>	13.54	0.02	0.28
RAA12-S14	2668,2977	794	0.5 - 1	<b>0.021</b>	14.71	0.02	0.31
RAA12-S14.5	2652	623	0.5 - 1	<b>0.021</b>	11.54	0.02	0.24
RAA12-S15	2669,2981	815	0.5 - 1	0.91	15.09	0.91	13.73
RAA12-S15.5	2653,2982	720	0.5 - 1	<b>0.021</b>	13.33	0.02	0.28
RAA12-S16	2670,2983	721	0.5 - 1	0.55	13.35	0.55	7.34
RAA12-ST13	2654	459	0.5 - 1	<b>0.021</b>	8.51	0.02	0.18
RAA12-ST13.5	2655,2976,2978	722	0.5 - 1	<b>1.3</b>	13.38	1.30	17.39
RAA12-ST14.5	2656,2980	497	0.5 - 1	0.24	9.20	0.24	2.21
<b>Totals:</b>	--	24,929	--	--	461.65	--	108.36
					Volume-Weighted Average:		<b>0.23</b>

**TABLE D-3**  
**POST-REMEDIATION CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 0- TO 1-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**SUMMARY: 0- TO 1-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
Totals:	--	24,929	--	--	923.29	--	226.53

Notes:

1. Polygon ID and area based on information shown on Figures D-1 and D-2.
2. Non-detectable PCBs included as one-half the detection limit in calculations and shown in bold.
3. For instances where a duplicate sample was available, the average of the samples was included in table.
4. All calculations and rounding are performed by the computer software. Therefore, certain quantities in above table are displayed as rounded numbers for table clarity.
5. Shaded numbers in bold and italics represent the placement of clean backfill material following the performance of the proposed remediation. The backfill concentration corresponds to the average PCB concentration as presented in the CD Sites Backfill Data Set.

**TABLE D-4**  
**POST-REMEDIATION CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 1- TO 15-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

1- TO 2-FOOT DEPTH INCREMENT

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	373	1,202	1 - 2	<b>0.021</b>	44.50	0.02	0.93
LSSC-31	364	172	1 - 2	2.9	6.38	2.90	18.50
RAA12-N14	392	1,431	1 - 2	0.124	53.00	0.12	6.57
RAA12-O12	479	857	1 - 2	0.16	31.76	0.16	5.08
RAA12-O13	360	2,585	1 - 2	<b>0.018</b>	95.75	0.02	1.72
RAA12-O14	361	2,202	1 - 2	<b>0.0185</b>	81.56	0.02	1.51
RAA12-O15	362	1,252	1 - 2	0.209	46.38	0.21	9.69
RAA12-P12	480	776	1 - 2	<b>0.019</b>	28.75	0.02	0.55
RAA12-P13	358	1,571	1 - 2	0.12	58.17	0.12	6.98
RAA12-P14	391	1,273	1 - 2	0.17	47.15	0.17	8.01
RAA12-P15	359	1,119	1 - 2	0.65	41.46	0.65	26.95
RAA12-Q13	357	1,145	1 - 2	0.86	42.39	0.86	36.46
RAA12-R13	356	1,042	1 - 2	2.06	38.58	2.06	79.47
RAA12-S13	352	1,536	1 - 2	<b>0.021</b>	56.91	0.02	1.20
RAA12-S14	353	1,922	1 - 2	<b>0.021</b>	71.17	0.02	1.49
RAA12-S15	354	2,390	1 - 2	<b>0.021</b>	88.54	0.02	1.86
RAA12-S16	355	1,937	1 - 2	1.96	71.73	1.96	140.60
RB010741	425	517	1 - 1.5	<b>0.021</b>	19.13	0.02	0.40
<b>Totals:</b>	--	24,929	--	--	923.31	--	347.99
<b>Volume-Weighted Average:</b>							<b>0.38</b>

2- TO 3-FOOT DEPTH INCREMENT

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	366	1,202	2 - 3	<b>0.021</b>	44.51	0.02	0.93
LSSC-31	357	172	2 - 3	2.9	6.38	2.90	18.50
RAA12-N14	379	1,431	2 - 3	0.124	53.00	0.12	6.57
RAA12-O12	463	858	2 - 3	0.16	31.76	0.16	5.08
RAA12-O13	353	2,585	2 - 3	<b>0.018</b>	95.75	0.02	1.72
RAA12-O14	354	2,202	2 - 3	<b>0.0185</b>	81.56	0.02	1.51
RAA12-O15	355	1,252	2 - 3	0.209	46.38	0.21	9.69
RAA12-P12	464	776	2 - 3	<b>0.019</b>	28.75	0.02	0.55
RAA12-P13	351	1,571	2 - 3	0.12	58.17	0.12	6.98
RAA12-P14	378	1,273	2 - 3	0.17	47.14	0.17	8.01
RAA12-P15	352	1,119	2 - 3	0.65	41.46	0.65	26.95
RAA12-Q13	350	1,145	2 - 3	0.86	42.40	0.86	36.46
RAA12-R13	349	1,041	2 - 3	2.06	38.57	2.06	79.46
RAA12-S13	345	1,536	2 - 3	<b>0.021</b>	56.91	0.02	1.20
RAA12-S14	346	1,922	2 - 3	<b>0.021</b>	71.17	0.02	1.49
RAA12-S15	347	2,390	2 - 3	<b>0.021</b>	88.53	0.02	1.86
RAA12-S16	348	1,937	2 - 3	1.96	71.73	1.96	140.60
RB010741	415	517	2 - 2.5	<b>0.021</b>	19.13	0.02	0.40
<b>Totals:</b>	--	24,929	--	--	923.31	--	347.98
<b>Volume-Weighted Average:</b>							<b>0.38</b>

**TABLE D-4**  
**POST-REMEDIATION CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 1- TO 15-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**3- TO 4-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	338	1,254	3 - 4	<b>0.021</b>	46.44	0.02	0.98
LSSC-31	332	172	3 - 4	11.3	6.38	11.30	72.10
RAA12-N14	350A	1,431	3 - 4	<b>0.0195</b>	53.00	0.02	1.03
RAA12-O12	431	858	3 - 4	5.3	31.76	5.30	168.32
RAA12-O13	328	2,585	3 - 4	0.041	95.75	0.04	3.93
RAA12-O14	329	2,202	3 - 4	0.113	81.56	0.11	9.22
RAA12-O15	330	1,252	3 - 4	<b>0.0215</b>	46.38	0.02	1.00
RAA12-P12	432	776	3 - 4	1.96	28.75	1.96	56.34
RAA12-P13	326	1,571	3 - 4	0.157	58.17	0.16	9.13
RAA12-P14	349	1,273	3 - 4	0.028	47.14	0.03	1.32
RAA12-P15	327	1,119	3 - 4	0.33	41.46	0.33	13.68
RAA12-Q13	325	1,145	3 - 4	4.0	42.40	4.00	169.58
RAA12-R13	324	1,041	3 - 4	4.6	38.57	4.60	177.44
RAA12-S13	321	1,536	3 - 4	19.4	56.91	19.40	1,103.97
RAA12-S14	322	2,001	3 - 4	11.5	74.11	11.50	852.26
RAA12-S15	323	2,776	3 - 4	<b>0.021</b>	102.80	0.02	2.16
RAA12-S16	366	1,937	3 - 4	22.3	71.73	22.30	1,599.67
<b>Totals:</b>	--	24,929	--	--	923.31	--	4,242.14
							Volume-Weighted Average: 4.59

**4- TO 5-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	340	1,254	4 - 5	<b>0.021</b>	46.44	0.02	0.98
LSSC-31	333	172	4 - 5	11.3	6.38	11.30	72.10
RAA12-N14	358	1,431	4 - 5	<b>0.0195</b>	53.00	0.02	1.03
RAA12-O12	431	858	4 - 5	5.3	31.76	5.30	168.32
RAA12-O13	329	2,585	4 - 5	0.041	95.75	0.04	3.93
RAA12-O14	330	2,202	4 - 5	0.113	81.56	0.11	9.22
RAA12-O15	331	1,252	4 - 5	<b>0.0215</b>	46.38	0.02	1.00
RAA12-P12	432	776	4 - 5	1.96	28.75	1.96	56.34
RAA12-P13	327	1,571	4 - 5	0.157	58.17	0.16	9.13
RAA12-P14	357	1,273	4 - 5	0.028	47.14	0.03	1.32
RAA12-P15	328	1,119	4 - 5	0.33	41.46	0.33	13.68
RAA12-Q13	326	1,145	4 - 5	4.0	42.40	4.00	169.58
RAA12-R13	325	1,041	4 - 5	4.6	38.57	4.60	177.44
RAA12-S13	321	1,536	4 - 5	19.4	56.91	19.40	1,103.97
RAA12-S14	322	2,001	4 - 5	11.5	74.11	11.50	852.26
RAA12-S15	323	2,776	4 - 5	<b>0.021</b>	102.80	0.02	2.16
RAA12-S16	324	1,937	4 - 5	22.3	71.73	22.30	1,599.67
<b>Totals:</b>	--	24,929	--	--	923.31	--	4,242.14
							Volume-Weighted Average: 4.59

**TABLE D-4**  
**POST-REMEDIATION CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 1 TO 15-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

5- TO 6-FOOT DEPTH INCREMENT

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	340	1,254	5 - 6	<b>0.021</b>	46.44	0.02	0.98
LSSC-31	333	172	5 - 6	11.3	6.38	11.30	72.10
RAA12-N14	358	1,431	5 - 6	<b>0.0195</b>	53.00	0.02	1.03
RAA12-O12	431	858	5 - 6	5.3	31.76	5.30	168.32
RAA12-O13	329	2,585	5 - 6	0.041	95.75	0.04	3.93
RAA12-O14	330	2,202	5 - 6	0.113	81.56	0.11	9.22
RAA12-O15	331	1,252	5 - 6	<b>0.0215</b>	46.38	0.02	1.00
RAA12-P12	432	776	5 - 6	1.96	28.75	1.96	56.34
RAA12-P13	327	1,571	5 - 6	0.157	58.17	0.16	9.13
RAA12-P14	357	1,273	5 - 6	0.028	47.14	0.03	1.32
RAA12-P15	328	1,119	5 - 6	0.33	41.46	0.33	13.68
RAA12-Q13	326	1,145	5 - 6	4.0	42.40	4.00	169.58
RAA12-R13	325	1,041	5 - 6	4.6	38.57	4.60	177.44
RAA12-S13	321	1,536	5 - 6	19.4	56.91	19.40	1,103.97
RAA12-S14	322	2,001	5 - 6	11.5	74.11	11.50	852.26
RAA12-S15	323	2,776	5 - 6	42	102.80	42.00	4,317.54
RAA12-S16	324	1,937	5 - 6	22.3	71.73	22.30	1,599.67
<b>Totals:</b>	--	24,929	--	--	923.31	--	8,557.52
							<b>Volume-Weighted Average:</b> 9.27

6- TO 8-FOOT DEPTH INCREMENT

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	347	1,254	6 - 8	13.2	92.88	13.20	1,225.97
LSSC-31	343A	172	6 - 8	2.4	12.76	2.40	30.63
RAA12-N14	361A	1,431	6 - 8	<b>0.021</b>	106.01	0.02	2.23
RAA12-O12	428	858	6 - 8	<b>0.030</b>	63.52	0.03	1.91
RAA12-O13	339	2,585	6 - 8	<b>0.0235</b>	191.50	0.02	4.50
RAA12-O14	340	2,202	6 - 8	<b>0.030</b>	163.13	0.03	4.89
RAA12-O15	341	1,252	6 - 8	<b>0.0245</b>	92.76	0.02	2.27
RAA12-P12	429	776	6 - 8	<b>0.0245</b>	57.49	0.02	1.41
RAA12-P13	337	1,571	6 - 8	0.52	116.35	0.52	60.50
RAA12-P14	360	1,273	6 - 8	<b>0.025</b>	94.28	0.03	2.36
RAA12-P15	338	1,119	6 - 8	<b>0.0215</b>	82.92	0.02	1.78
RAA12-Q13	336	1,145	6 - 8	0.37	84.79	0.37	31.37
RAA12-R13	335	1,041	6 - 8	2.21	77.15	2.21	170.50
RAA12-S13	331	1,536	6 - 8	5.07	113.81	5.07	577.03
RAA12-S14	332	2,001	6 - 8	0.10	148.22	0.10	14.82
RAA12-S15	333	2,776	6 - 8	6.32	205.60	6.32	1,299.37
RAA12-S16	334	1,937	6 - 8	0.014	143.47	0.01	2.01
<b>Totals:</b>	--	24,929	--	--	1,846.62	--	3,433.54
							<b>Volume-Weighted Average:</b> 1.86

**TABLE D-4**  
**POST-REMEDIATION CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 1- TO 15-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

8- TO 10-FOOT DEPTH INCREMENT

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	340	1,254	8 - 10	13.2	92.88	13.20	1,225.97
LSSC-31	333A	172	8 - 10	2.4	12.76	2.40	30.63
RAA12-N14	354	1,431	8 - 10	<b>0.021</b>	106.01	0.02	2.23
RAA12-O12	431	858	8 - 10	<b>0.030</b>	63.52	0.03	1.91
RAA12-O13	329	2,585	8 - 10	<b>0.0235</b>	191.50	0.02	4.50
RAA12-O14	330	2,202	8 - 10	<b>0.030</b>	163.13	0.03	4.89
RAA12-O15	331	1,252	8 - 10	<b>0.0245</b>	92.76	0.02	2.27
RAA12-P12	432	776	8 - 10	<b>0.0245</b>	57.49	0.02	1.41
RAA12-P13	327	1,571	8 - 10	0.52	116.35	0.52	60.50
RAA12-P14	353	1,273	8 - 10	<b>0.025</b>	94.28	0.03	2.36
RAA12-P15	328	1,119	8 - 10	<b>0.0215</b>	82.92	0.02	1.78
RAA12-Q13	326	1,145	8 - 10	0.37	84.79	0.37	31.37
RAA12-R13	325	1,041	8 - 10	2.21	77.15	2.21	170.50
RAA12-S13	321	1,536	8 - 10	5.07	113.81	5.07	577.03
RAA12-S14	322	2,001	8 - 10	0.10	148.22	0.10	14.82
RAA12-S15	323	2,776	8 - 10	6.32	205.60	6.32	1,299.37
RAA12-S16	324	1,937	8 - 10	0.014	143.47	0.01	2.01
<b>Totals:</b>	--	24,929	--	--	1,846.62	--	3,433.54
<b>Volume-Weighted Average:</b>							<b>1.86</b>

10- TO 12-FOOT DEPTH INCREMENT

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	340	1,254	10 - 12	0.957	92.88	0.96	88.88
LSSC-31	333A	172	10 - 12	<b>0.022</b>	12.76	0.02	0.28
RAA12-N14	357	1,431	10 - 12	<b>0.0215</b>	106.01	0.02	2.28
RAA12-O12	431	858	10 - 12	<b>0.023</b>	63.52	0.02	1.46
RAA12-O13	329	2,585	10 - 12	<b>0.024</b>	191.50	0.02	4.60
RAA12-O14	330	2,202	10 - 12	<b>0.0205</b>	163.13	0.02	3.34
RAA12-O15	331	1,252	10 - 12	<b>0.02075</b>	92.76	0.02	1.92
RAA12-P12	432	776	10 - 12	<b>0.033</b>	57.49	0.03	1.90
RAA12-P13	327	1,571	10 - 12	<b>0.0315</b>	116.35	0.03	3.66
RAA12-P14	356	1,273	10 - 12	<b>0.0355</b>	94.28	0.04	3.35
RAA12-P15	328	1,119	10 - 12	<b>0.0205</b>	82.92	0.02	1.70
RAA12-Q13	326	1,145	10 - 12	<b>0.0205</b>	84.79	0.02	1.74
RAA12-R13	325	1,041	10 - 12	0.045	77.15	0.05	3.47
RAA12-S13	321	1,536	10 - 12	<b>0.021</b>	113.81	0.02	2.39
RAA12-S14	322	2,001	10 - 12	0.51	148.22	0.51	75.59
RAA12-S15	323	2,776	10 - 12	0.04	205.60	0.04	8.22
RAA12-S16	324	1,937	10 - 12	<b>0.0195</b>	143.47	0.02	2.80
<b>Totals:</b>	--	24,929	--	--	1,846.62	--	207.59
<b>Volume-Weighted Average:</b>							<b>0.11</b>

**TABLE D-4**  
**POST-REMEDIATION CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 1- TO 15-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**12- TO 14-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	371	1,254	12 - 14	0.957	92.88	0.96	88.88
LSSC-31	328A	172	12 - 14	<b>0.022</b>	12.76	0.02	0.28
RAA12-N14	348	1,431	12 - 14	<b>0.0215</b>	106.01	0.02	2.28
RAA12-O12	431	858	12 - 14	<b>0.023</b>	63.52	0.02	1.46
RAA12-O13	369	2,585	12 - 14	<b>0.024</b>	191.50	0.02	4.60
RAA12-O14	325	2,202	12 - 14	<b>0.0205</b>	163.13	0.02	3.34
RAA12-O15	326	1,252	12 - 14	<b>0.02075</b>	92.76	0.02	1.92
RAA12-P12	432	776	12 - 14	<b>0.033</b>	57.49	0.03	1.90
RAA12-P13	368	1,571	12 - 14	<b>0.0315</b>	116.35	0.03	3.66
RAA12-P14	347	1,273	12 - 14	<b>0.0355</b>	94.28	0.04	3.35
RAA12-P15	324	1,119	12 - 14	<b>0.0205</b>	82.92	0.02	1.70
RAA12-Q13	367	1,145	12 - 14	<b>0.0205</b>	84.79	0.02	1.74
RAA12-R13	366	1,041	12 - 14	0.045	77.15	0.05	3.47
RAA12-S13	365	1,536	12 - 14	<b>0.021</b>	113.81	0.02	2.39
RAA12-S14	321	2,001	12 - 14	0.51	148.22	0.51	75.59
RAA12-S15	322	2,776	12 - 14	0.04	205.60	0.04	8.22
RAA12-S16	323	1,937	12 - 14	<b>0.0195</b>	143.47	0.02	2.80
<b>Totals:</b>	--	24,929	--	--	1,846.62	--	207.59
							<b>Volume-Weighted Average:</b> 0.11

**14- TO 15-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000557	354	1,254	14 - 15	0.957	46.44	0.96	44.44
LSSC-31	359A	172	14 - 15	<b>0.022</b>	6.38	0.02	0.14
RAA12-N14	339	1,431	14 - 15	<b>0.0215</b>	53.00	0.02	1.14
RAA12-O12	431	858	14 - 15	<b>0.023</b>	31.76	0.02	0.73
RAA12-O13	363	2,585	14 - 15	<b>0.024</b>	95.75	0.02	2.30
RAA12-O14	362	2,202	14 - 15	<b>0.0205</b>	81.56	0.02	1.67
RAA12-O15	361	1,252	14 - 15	<b>0.02075</b>	46.38	0.02	0.96
RAA12-P12	432	776	14 - 15	<b>0.033</b>	28.75	0.03	0.95
RAA12-P13	365	1,571	14 - 15	<b>0.0315</b>	58.17	0.03	1.83
RAA12-P14	340	1,273	14 - 15	<b>0.0355</b>	47.14	0.04	1.67
RAA12-P15	364	1,119	14 - 15	<b>0.0205</b>	41.46	0.02	0.85
RAA12-Q13	366	1,145	14 - 15	<b>0.0205</b>	42.40	0.02	0.87
RAA12-R13	367	1,041	14 - 15	0.045	38.57	0.05	1.74
RAA12-S13	370	1,536	14 - 15	<b>0.021</b>	56.91	0.02	1.20
RAA12-S14	369	2,001	14 - 15	0.51	74.11	0.51	37.80
RAA12-S15	368	2,776	14 - 15	0.04	102.80	0.04	4.11
RAA12-S16	374	1,937	14 - 15	<b>0.0195</b>	71.73	0.02	1.40
<b>Totals:</b>	--	24,929	--	--	923.31	--	103.80
							<b>Volume-Weighted Average:</b> 0.11

**TABLE D-4**  
**POST-REMEDIATION CONDITIONS**  
**PARCEL I9-4-201 (SUB-AREA 201A ONLY): 1- TO 15-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**SUMMARY: 1- TO 15-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
<b>Totals:</b>	--	24,929	--	--	12,926.35	--	25,123.82

**Notes:**

1. Polygon ID and area based on information shown on Figures D-3 through D-12.
2. Non-detectable PCBs included as one-half the detection limit in calculations and shown in bold.
3. For instances where a duplicate sample was available, the average of the samples was included in table.
4. All calculations and rounding are performed by the computer software. Therefore, certain quantities in above table are displayed as rounded numbers for table clarity.
5. Shaded numbers in bold and italics represent the placement of clean backfill material following the performance of the proposed remediation. The backfill concentration corresponds to the average PCB concentration as presented in the CD Sites Backfill Data Set.

**TABLE D-5**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (COMMERCIAL PORTION): 0- TO 1-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA/  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**0- TO 0.5-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000555	856	185	0 - 0.5	33.4	3.42	33.40	114.39
LS-42	843,1086	1,306	0 - 0.5	5.6	24.18	5.60	135.41
LS-43	848	1,243	0 - 0.5	0.54	23.01	0.54	12.43
LS-44	854	1,385	0 - 0.5	3.8	25.64	3.80	97.43
LS-45	855,1216,1244	2,763	0 - 0.5	2.3	51.17	2.30	117.69
LSSC-07	844,1305	1,001	0 - 0.5	1.06	18.54	1.06	19.65
LSSC-08	850,1248	1,420	0 - 0.5	11.1	26.30	11.10	291.90
LSSC-16	845,1087	935	0 - 0.5	1.0	17.32	1.00	17.32
LSSC-17	846	1,543	0 - 0.5	0.92	28.57	0.92	26.28
LSSC-31	2697	1,607	0 - 0.5	0.046	29.76	0.05	1.37
RAA12-J18	1031,1032	531	0 - 0.5	0.21	9.84	0.21	2.07
RAA12-K16	1121	264	0 - 0.5	0.306	4.89	0.31	1.50
RAA12-K17	884	1,571	0 - 0.5	0.22	29.09	0.22	6.40
RAA12-K18	883	2,163	0 - 0.5	0.125	40.06	0.13	5.01
RAA12-K19	970,1295	1,109	0 - 0.5	<b>0.017</b>	20.54	0.02	0.35
RAA12-L14	1158	80	0 - 0.5	0.13	1.49	0.13	0.19
RAA12-L15	1123	1,235	0 - 0.5	0.209	22.86	0.21	4.78
RAA12-L16	996	2,420	0 - 0.5	<b>0.018</b>	44.81	0.02	0.81
RAA12-L17	881,1071	1,880	0 - 0.5	0.047	34.81	0.05	1.64
RAA12-L18	995,1073,1075,1076	1,402	0 - 0.5	0.102	25.96	0.10	2.65
RAA12-L19	882,1033,1077	1,992	0 - 0.5	0.70	36.89	0.70	25.82
RAA12-M14	877,1155	1,806	0 - 0.5	0.0835	33.44	0.08	2.79
RAA12-M15	876	2,530	0 - 0.5	<b>0.018</b>	46.85	0.02	0.84
RAA12-M16	875	2,104	0 - 0.5	0.032	38.96	0.03	1.25
RAA12-M17	874,1068,1070	1,723	0 - 0.5	0.105	31.91	0.11	3.35
RAA12-M19	838,1079,1214,1297	1,257	0 - 0.5	<b>0.0175</b>	23.28	0.02	0.41
RAA12-M20	839,1298,1302	1,933	0 - 0.5	0.46	35.80	0.46	16.47
RAA12-N14	2031,2932	543	0 - 0.5	0.118	10.05	0.12	1.19
RAA12-N15	2783	2,225	0 - 0.5	0.323	41.20	0.32	13.31
RAA12-N16	997	2,449	0 - 0.5	<b>0.0175</b>	45.35	0.02	0.79
RAA12-N17	964,1213	2,358	0 - 0.5	0.018	43.67	0.02	0.79
RAA12-N18	998,1067	1,262	0 - 0.5	0.213	23.36	0.21	4.98
RAA12-N19	837,1083	529	0 - 0.5	0.123	9.80	0.12	1.21
RAA12-N21	842,1303,1304	668	0 - 0.5	0.137	12.37	0.14	1.70
RAA12-NO14.5	2119	308	0 - 0.5	0.28	5.70	0.28	1.60
RAA12-O15	2117	725	0 - 0.5	<b>0.018</b>	13.43	0.02	0.24
RAA12-O16	2733,2882	2,030	0 - 0.5	0.048	37.59	0.05	1.80
RAA12-O17	873	1,488	0 - 0.5	0.035	27.56	0.04	0.96
RAA12-O22	841,1308,1309	438	0 - 0.5	0.68	8.11	0.68	5.51
RAA12-OP15.5	2880	418	0 - 0.5	0.02875	7.74	0.03	0.22
RAA12-P21	847,1089	698	0 - 0.5	1.52	12.94	1.52	19.66
RAA12-P23	840,1029,1030,1034	1,707	0 - 0.5	0.56	31.61	0.56	17.70
RAA12-Q20	853,1215	1,656	0 - 0.5	3.8	30.66	3.80	116.50
RAA12-Q21	851,1091	2,337	0 - 0.5	0.10	43.28	0.10	4.33
RAA12-Q22	852,1247	2,184	0 - 0.5	1.37	40.45	1.37	55.41
RAA12-Q24	849,1028	468	0 - 0.5	18	8.66	18.00	155.85
RAA12-R17	2794	1,778	0 - 0.5	0.163	32.93	0.16	5.37

**TABLE D-5**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (COMMERCIAL PORTION): 0- TO 1-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA/  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**0- TO 0.5-FOOT DEPTH INCREMENT (continued)**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
RAA12-R18	978,1096	1,496	0 - 0.5	<b>0.0175</b>	27.70	0.02	0.48
RAA12-R19	857,1094	2,690	0 - 0.5	2.3	49.82	2.30	114.59
RAA12-R21	858,1036	2,344	0 - 0.5	<b>1.07</b>	43.41	1.07	46.45
RAA12-RS16	2123	379	0 - 0.5	0.32	7.02	0.32	2.25
RAA12-S16	2057,2058	102	0 - 0.5	0.55	1.89	0.55	1.04
RAA12-S18	988,1039	1,651	0 - 0.5	0.45	30.58	0.45	13.76
RB010661	1035,1246	1,232	0 - 0.5	2.4	22.81	2.40	54.75
RB010681	1037,1245	473	0 - 0.5	2.19	8.75	2.19	19.16
RB010703	1038,1243	916	0 - 0.5	<b>0.37</b>	16.97	0.37	6.28
RB010721	2059,2708	1,136	0 - 0.5	2.78	21.04	2.78	58.48
<b>Totals:</b>	--	78,075	--	--	1,445.83	--	1,636.54
					<b>Volume-Weighted Average:</b>	<b>1.13</b>	

**0.5- TO 1-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000555	970	185	0.5 - 1	33.4	3.42	33.40	114.39
LS-42	959,1031	1,306	0.5 - 1	5.6	24.18	5.60	135.41
LS-43	966	1,243	0.5 - 1	0.54	23.01	0.54	12.43
LS-44	969,980	2,259	0.5 - 1	3.8	41.83	3.80	158.94
LS-45	956,1152,1174	2,924	0.5 - 1	2.3	54.15	2.30	124.55
LSSC-07	961,1228	1,001	0.5 - 1	<b>1.06</b>	18.54	1.06	19.65
LSSC-08	967,1176	1,578	0.5 - 1	11.1	29.22	11.10	324.30
LSSC-16	962,1032	935	0.5 - 1	1.0	17.32	1.00	17.32
LSSC-17	963,1231	1,543	0.5 - 1	0.92	28.57	0.92	26.28
LSSC-31	2681	1,607	0.5 - 1	0.046	29.76	0.05	1.37
RAA12-J18	1063,1064	531	0.5 - 1	0.21	9.84	0.21	2.07
RAA12-K16	1067	264	0.5 - 1	0.306	4.89	0.31	1.50
RAA12-K17	812	1,571	0.5 - 1	0.22	29.09	0.22	6.40
RAA12-K18	948	2,163	0.5 - 1	0.125	40.06	0.13	5.01
RAA12-K19	949,1222	1,109	0.5 - 1	<b>0.017</b>	20.54	0.02	0.35
RAA12-L14	1103	80	0.5 - 1	0.13	1.49	0.13	0.19
RAA12-L15	1069	1,235	0.5 - 1	0.209	22.86	0.21	4.78
RAA12-L16	914	2,420	0.5 - 1	<b>0.018</b>	44.81	0.02	0.81
RAA12-L17	811,1015	1,880	0.5 - 1	0.047	34.81	0.05	1.64
RAA12-L18	950,1017,1019,1020	1,402	0.5 - 1	0.102	25.96	0.10	2.65
RAA12-L19	947,976,1021,1223	1,992	0.5 - 1	0.70	36.89	0.70	25.82
RAA12-M14	807,1100	1,806	0.5 - 1	0.0835	33.44	0.08	2.79
RAA12-M15	806	2,530	0.5 - 1	<b>0.018</b>	46.85	0.02	0.84
RAA12-M16	805	2,104	0.5 - 1	0.032	38.96	0.03	1.25
RAA12-M17	804,1012,1014	1,723	0.5 - 1	0.105	31.91	0.11	3.35
RAA12-M19	952,1023,1027,1224	1,257	0.5 - 1	<b>0.0175</b>	23.28	0.02	0.41
RAA12-M20	953,977,1227	1,933	0.5 - 1	0.46	35.80	0.46	16.47
RAA12-N14	2877,2965	543	0.5 - 1	0.118	10.05	0.12	1.19
RAA12-N15	2765	2,225	0.5 - 1	0.323	41.20	0.32	13.31

**TABLE D-5**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (COMMERCIAL PORTION): 0- TO 1-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA/  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**0.5- TO 1-FOOT DEPTH INCREMENT (continued)**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
RAA12-N16	915	2,449	0.5 - 1	<b>0.0175</b>	45.35	0.02	0.79
RAA12-N17	891,1150	2,358	0.5 - 1	0.018	43.67	0.02	0.79
RAA12-N18	916,1011	1,262	0.5 - 1	0.213	23.36	0.21	4.98
RAA12-N19	951,1028	529	0.5 - 1	0.123	9.80	0.12	1.21
RAA12-N21	960,978,1238	668	0.5 - 1	0.137	12.37	0.14	1.70
RAA12-NO14.5	2035	308	0.5 - 1	0.28	5.70	0.28	1.60
RAA12-O15	2034	725	0.5 - 1	<b>0.018</b>	13.43	0.02	0.24
RAA12-O16	2715,2832	2,030	0.5 - 1	0.048	37.59	0.05	1.80
RAA12-O17	803	1,488	0.5 - 1	0.035	27.56	0.04	0.96
RAA12-O22	965,1232,1234	438	0.5 - 1	0.68	8.11	0.68	5.51
RAA12-OP15.5	2830	418	0.5 - 1	0.02875	7.74	0.03	0.22
RAA12-P21	964,1034	698	0.5 - 1	1.52	12.94	1.52	19.66
RAA12-P23	972,974,975,979	1,707	0.5 - 1	0.56	31.61	0.56	17.70
RAA12-Q20	955,1151	1,656	0.5 - 1	3.8	30.66	3.80	116.50
RAA12-Q21	954,1036	2,337	0.5 - 1	0.10	43.28	0.10	4.33
RAA12-Q22	968,1175	2,274	0.5 - 1	1.37	42.11	1.37	57.68
RAA12-Q24	971,973	468	0.5 - 1	18	8.66	18.00	155.85
RAA12-R17	2776,2986	2,266	0.5 - 1	0.163	41.96	0.16	6.84
RAA12-R18	904,1041	1,496	0.5 - 1	<b>0.0175</b>	27.70	0.02	0.48
RAA12-R19	957,982,1039	3,363	0.5 - 1	2.3	62.28	2.30	143.23
RAA12-R21	958,981	2,822	0.5 - 1	1.07	52.27	1.07	55.93
RAA12-RS16	2041	414	0.5 - 1	0.32	7.67	0.32	2.46
RAA12-S16	2984,2985	538	0.5 - 1	0.55	9.96	0.55	5.48
RAA12-S18	909,983	2,016	0.5 - 1	0.45	37.34	0.45	16.80
<b>Totals:</b>	--	78,075	--	--	1,445.84	--	1,648.19
<b>Volume-Weighted Average:</b> 1.14							

**SUMMARY: 0- TO 1-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
<b>Totals:</b>	--	78,075	--	--	2,891.67	--	3,284.73
<b>Volume-Weighted Average:</b> 1.14							

Notes:

1. Polygon ID and area based on information shown on Figures D-1 and D-2.
2. Non-detectable PCBs included as one-half the detection limit in calculations and shown in bold.
3. For instances where a duplicate sample was available, the average of the samples was included in table.
4. All calculations and rounding are performed by the computer software. Therefore, certain quantities in above table are displayed as rounded numbers for table clarity.

**TABLE D-6**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (COMMERCIAL PORTION): 0- TO 3-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA/  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**0- TO 1-FOOT DEPTH INCREMENT (TABLE D-5)**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
Totals:	--	78,075	--	--	2,891.67	--	3,284.73
<b>Volume-Weighted Average:</b>							<b>1.14</b>

**1- TO 2-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000555	419	463	1 - 2	11.7	17.14	11.70	200.58
LS-42	411	1,926	1 - 2	5.6	71.34	5.60	399.52
LS-43	417	2,773	1 - 2	0.54	102.70	0.54	55.46
LS-44	415	4,966	1 - 2	3.8	183.91	3.80	698.86
LS-45	416	6,410	1 - 2	2.3	237.40	2.30	546.01
LSSC-07	412	1,132	1 - 2	4.2	41.91	4.20	176.01
LSSC-08	418	2,773	1 - 2	7.2	102.71	7.20	739.51
LSSC-16	413	969	1 - 2	0.66	35.89	0.66	23.69
LSSC-17	414	2,624	1 - 2	43	97.20	43.00	4,179.60
LSSC-31	448	2,472	1 - 2	2.9	91.54	2.90	265.47
RAA12-J16	467	271	1 - 2	0.93	10.04	0.93	9.34
RAA12-J18	420	2,471	1 - 2	0.133	91.50	0.13	12.17
RAA12-L14	469	2,074	1 - 2	0.61	76.82	0.61	46.86
RAA12-L16	379	7,443	1 - 2	<b>0.0195</b>	275.66	0.02	5.38
RAA12-L18	378	5,896	1 - 2	1.04	218.36	1.04	227.09
RAA12-M20	410	4,005	1 - 2	<b>0.018</b>	148.34	0.02	2.67
RAA12-N14	392A	2,962	1 - 2	0.124	109.72	0.12	13.61
RAA12-N16	380	8,817	1 - 2	<b>0.02025</b>	326.57	0.02	6.61
RAA12-N18	381,441	3,686	1 - 2	<b>0.019</b>	136.51	0.02	2.59
RAA12-O15	460	2,352	1 - 2	0.209	87.12	0.21	18.21
RAA12-P15	458	385	1 - 2	0.65	14.25	0.65	9.26
RAA12-R18	368	3,760	1 - 2	1.01	139.28	1.01	140.67
RAA12-S16	510	364	1 - 2	1.96	13.50	1.96	26.46
RB010661	421	1,386	1 - 1.5	2.13	51.32	2.13	109.32
RB010681	422	1,673	1 - 1.5	7.52	61.97	7.52	466.00
RB010703	423	1,858	1 - 1.5	<b>0.345</b>	68.82	0.35	23.74
RB010721	374	2,164	1 - 1.5	2.93	80.16	2.93	234.88
Totals:	--	78,075	--	--	2,891.68	--	8,639.57
<b>Volume-Weighted Average:</b>							<b>2.99</b>

**TABLE D-6**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (COMMERCIAL PORTION): 0- TO 3-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA/  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**2- TO 3-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000555	411	463	2 - 3	11.7	17.15	11.70	200.63
LS-42	404	1,926	2 - 3	0.10	71.34	0.10	7.13
LS-43	408	2,773	2 - 3	0.58	102.69	0.58	59.56
LS-44	410	4,966	2 - 3	22	183.91	22.00	4,046.03
LS-45	344	6,410	2 - 3	26	237.40	26.00	6,172.35
LSSC-07	405	1,132	2 - 3	4.2	41.91	4.20	176.01
LSSC-08	409	2,773	2 - 3	7.2	102.71	7.20	739.51
LSSC-16	406	969	2 - 3	0.66	35.89	0.66	23.69
LSSC-17	407	2,625	2 - 3	43	97.21	43.00	4,179.89
LSSC-31	357A	2,472	2 - 3	2.9	91.54	2.90	265.47
RAA12-J16	452	271	2 - 3	0.93	10.04	0.93	9.34
RAA12-J18	451	2,470	2 - 3	0.133	91.49	0.13	12.17
RAA12-L14	454	2,074	2 - 3	0.61	76.81	0.61	46.85
RAA12-L16	402	7,443	2 - 3	<b>0.0195</b>	275.68	0.02	5.38
RAA12-L18	401	5,896	2 - 3	1.04	218.37	1.04	227.11
RAA12-M20	403	4,005	2 - 3	<b>0.018</b>	148.34	0.02	2.67
RAA12-N14	379A	2,962	2 - 3	0.124	109.72	0.12	13.61
RAA12-N16	369	8,817	2 - 3	<b>0.02025</b>	326.56	0.02	6.61
RAA12-N18	396,430	3,686	2 - 3	<b>0.019</b>	136.52	0.02	2.59
RAA12-O15	355A	2,352	2 - 3	0.209	87.12	0.21	18.21
RAA12-P15	352A	384	2 - 3	0.65	14.24	0.65	9.26
RAA12-R18	361	3,761	2 - 3	1.01	139.29	1.01	140.68
RAA12-S16	348A	364	2 - 3	1.96	13.50	1.96	26.46
RB010661	412	1,386	2 - 2.5	1.34	51.32	1.34	68.77
RB010681	413	1,673	2 - 2.5	14.8	61.97	14.80	917.09
RB010703	414	1,858	2 - 2.5	6.13	68.82	6.13	421.84
RB010721	367	2,164	2 - 2.5	5.07	80.16	5.07	406.43
<b>Totals:</b>	--	78,075	--	--	2,891.67	--	18,205.32
<b>Volume-Weighted Average:</b> <b>6.30</b>							

**SUMMARY: 0- TO 3-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
<b>Totals:</b>	--	78,075	--	--	8,675.03	--	30,129.61
<b>Volume-Weighted Average:</b> <b>3.47</b>							

**Notes:**

1. Polygon ID and area based on information shown on Figures D-3 and D-4.
2. Non-detectable PCBs included as one-half the detection limit in calculations and shown in bold.
3. For instances where a duplicate sample was available, the average of the samples was included in table.
4. All calculations and rounding are performed by the computer software. Therefore, certain quantities in above table are displayed as rounded numbers for table clarity.

**TABLE D-7**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (COMMERCIAL PORTION): 1- TO 6-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**1- TO 3-FOOT DEPTH INCREMENT (TABLE D-6)**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
<b>Totals:</b>	--	78,075	--	--	5,783.35	--	26,844.88
						<b>Volume-Weighted Average:</b>	<b>4.64</b>

**3- TO 4-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000555	385	463	3 - 4	7.0	17.15	7.00	120.03
LS-42	378	1,926	3 - 4	0.10	71.34	0.10	7.13
LS-43	383	2,773	3 - 4	0.58	102.69	0.58	59.56
LS-44	382	6,772	3 - 4	22	250.80	22.00	5,517.61
LS-45	368	8,266	3 - 4	26	306.14	26.00	7,959.67
LSSC-07	379	1,132	3 - 4	8.7	41.91	8.70	364.60
LSSC-08	384	2,951	3 - 4	2.9	109.29	2.90	316.94
LSSC-16	380	969	3 - 4	<b>0.0225</b>	35.89	0.02	0.81
LSSC-17	381	2,625	3 - 4	8.6	97.21	8.60	835.98
LSSC-31	332A	2,615	3 - 4	11.3	96.84	11.30	1,094.28
RAA12-J16	422	271	3 - 4	1.9	10.04	1.90	19.07
RAA12-J18	421	2,470	3 - 4	<b>0.019</b>	91.49	0.02	1.74
RAA12-L14	424	2,074	3 - 4	<b>0.0215</b>	76.81	0.02	1.65
RAA12-L16	371	7,443	3 - 4	<b>0.0195</b>	275.68	0.02	5.38
RAA12-L18	376	5,896	3 - 4	<b>0.022</b>	218.37	0.02	4.80
RAA12-M20	377	4,005	3 - 4	<b>0.0175</b>	148.34	0.02	2.60
RAA12-N14	350	2,962	3 - 4	<b>0.0195</b>	109.72	0.02	2.14
RAA12-N16	374	8,817	3 - 4	<b>0.020</b>	326.56	0.02	6.53
RAA12-N18	375,400	3,686	3 - 4	0.48	136.52	0.48	65.53
RAA12-O15	330A	2,352	3 - 4	<b>0.0215</b>	87.12	0.02	1.87
RAA12-P15	327A	384	3 - 4	0.33	14.24	0.33	4.70
RAA12-R18	367	5,547	3 - 4	<b>0.022</b>	205.43	0.02	4.52
RAA12-S16	366A	1,677	3 - 4	22.3	62.10	22.30	1,384.94
<b>Totals:</b>	--	78,075	--	--	2,891.67	--	17,782.07
						<b>Volume-Weighted Average:</b>	<b>6.15</b>

**4- TO 5-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000555	385	463	4 - 5	7.0	17.15	7.00	120.03
LS-42	378	1,926	4 - 5	<b>0.0225</b>	71.34	0.02	1.61
LS-43	382	2,773	4 - 5	1.1	102.69	1.10	112.96
LS-44	384	6,772	4 - 5	0.13	250.80	0.13	32.60
LS-45	376	8,266	4 - 5	8.3	306.14	8.30	2,540.97
LSSC-07	379	1,132	4 - 5	8.7	41.91	8.70	364.60
LSSC-08	383	2,951	4 - 5	2.9	109.29	2.90	316.94
LSSC-16	380	969	4 - 5	<b>0.0225</b>	35.89	0.02	0.81
LSSC-17	381	2,625	4 - 5	8.6	97.21	8.60	835.98
LSSC-31	333A	2,615	4 - 5	11.3	96.84	11.30	1,094.28
RAA12-J16	422	271	4 - 5	1.9	10.04	1.90	19.07
RAA12-J18	421	2,470	4 - 5	<b>0.019</b>	91.49	0.02	1.74
RAA12-L14	424	2,074	4 - 5	<b>0.0215</b>	76.81	0.02	1.65
RAA12-L16	344	7,443	4 - 5	<b>0.0195</b>	275.68	0.02	5.38

**TABLE D-7**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (COMMERCIAL PORTION): 1- TO 6-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**4- TO 5-FOOT DEPTH INCREMENT (continued)**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
RAA12-L18	343	5,896	4 - 5	<b>0.022</b>	218.37	0.02	4.80
RAA12-M20	377	4,005	4 - 5	<b>0.0175</b>	148.34	0.02	2.60
RAA12-N14	358	2,962	4 - 5	<b>0.0195</b>	109.72	0.02	2.14
RAA12-N16	345	8,817	4 - 5	<b>0.020</b>	326.56	0.02	6.53
RAA12-N18	346,400	3,686	4 - 5	0.48	136.52	0.48	65.53
RAA12-O15	331A	2,352	4 - 5	<b>0.0215</b>	87.12	0.02	1.87
RAA12-P15	328A	384	4 - 5	0.33	14.24	0.33	4.70
RAA12-R18	336	5,547	4 - 5	<b>0.022</b>	205.43	0.02	4.52
RAA12-S16	324A	1,677	4 - 5	22.3	62.10	22.30	1,384.94
<b>Totals:</b>	--	78,075	--	--	2,891.67	--	6,926.24
<b>Volume-Weighted Average:</b>							<b>2.40</b>

**5- TO 6-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000555	385	463	5 - 6	7.0	17.15	7.00	120.03
LS-42	378	1,926	5 - 6	<b>0.0225</b>	71.34	0.02	1.61
LS-43	382	2,773	5 - 6	1.1	102.69	1.10	112.96
LS-44	384	6,772	5 - 6	0.13	250.80	0.13	32.60
LS-45	376	8,266	5 - 6	8.3	306.14	8.30	2,540.97
LSSC-07	379	1,132	5 - 6	8.7	41.91	8.70	364.60
LSSC-08	383	2,951	5 - 6	2.9	109.29	2.90	316.94
LSSC-16	380	969	5 - 6	<b>0.0225</b>	35.89	0.02	0.81
LSSC-17	381	2,625	5 - 6	8.6	97.21	8.60	835.98
LSSC-31	333A	2,615	5 - 6	11.3	96.84	11.30	1,094.28
RAA12-J16	422	271	5 - 6	1.9	10.04	1.90	19.07
RAA12-J18	421	2,470	5 - 6	<b>0.019</b>	91.49	0.02	1.74
RAA12-L14	424	2,074	5 - 6	<b>0.0215</b>	76.81	0.02	1.65
RAA12-L16	344	7,443	5 - 6	<b>0.0195</b>	275.68	0.02	5.38
RAA12-L18	343	5,896	5 - 6	<b>0.022</b>	218.37	0.02	4.80
RAA12-M20	377	4,005	5 - 6	<b>0.0175</b>	148.34	0.02	2.60
RAA12-N14	358	2,962	5 - 6	<b>0.0195</b>	109.72	0.02	2.14
RAA12-N16	345	8,817	5 - 6	<b>0.020</b>	326.56	0.02	6.53
RAA12-N18	346,400	3,686	5 - 6	0.48	136.52	0.48	65.53
RAA12-O15	331A	2,352	5 - 6	<b>0.0215</b>	87.12	0.02	1.87
RAA12-P15	328A	384	5 - 6	0.33	14.24	0.33	4.70
RAA12-R18	336	5,547	5 - 6	<b>0.022</b>	205.43	0.02	4.52
RAA12-S16	324A	1,677	5 - 6	22.3	62.10	22.30	1,384.94
<b>Totals:</b>	--	78,075	--	--	2,891.67	--	6,926.24
<b>Volume-Weighted Average:</b>							<b>2.40</b>

**SUMMARY: 1- TO 6-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
<b>Totals:</b>	--	78,075	--	--	14,458.36	--	58,479.44
<b>Volume-Weighted Average:</b>							<b>4.04</b>

**Notes:**

1. Polygon ID and area based on information shown on Figures D-6 and D-7.
2. Non-detectable PCBs included as one-half the detection limit in calculations and shown in bold.
3. For instances where a duplicate sample was available, the average of the samples was included in table.
4. All calculations and rounding are performed by the computer software. Therefore, certain quantities in above table are displayed as rounded numbers for table clarity.

**TABLE D-8**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (COMMERCIAL PORTION): 0- TO 15-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA/  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**0- TO 1-FOOT DEPTH INCREMENT (TABLE D-5)**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
Totals:	--	78,075	--	--	2,891.67	--	3,284.73
							<b>Volume-Weighted Average:</b> 1.14

**1- TO 6-FOOT DEPTH INCREMENT (TABLE D-7)**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
Totals:	--	78,075	--	--	14,458.36	--	58,479.44
							<b>Volume-Weighted Average:</b> 4.04

**6- TO 8-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000555	383	463	6 - 8	0.187	34.30	0.19	6.41
LS-42	376	1,926	6 - 8	<b>0.0265</b>	142.68	0.03	3.78
LS-44	381	7,624	6 - 8	0.67	564.72	0.67	378.36
LS-45	382	8,378	6 - 8	1.1	620.62	1.10	682.68
LSSC-07	377	1,135	6 - 8	7.7	84.08	7.70	647.42
LSSC-08	380	2,951	6 - 8	1.94	218.58	1.94	424.04
LSSC-16	378,401	1,430	6 - 8	<b>0.022</b>	105.92	0.02	2.33
LSSC-17	379	3,968	6 - 8	2.3	293.95	2.30	676.07
LSSC-31	343	2,615	6 - 8	2.4	193.68	2.40	464.83
RAA12-J16	418	271	6 - 8	<b>0.0235</b>	20.08	0.02	0.47
RAA12-J18	384	2,470	6 - 8	<b>0.020</b>	182.98	0.02	3.66
RAA12-L14	420	2,074	6 - 8	<b>0.0205</b>	153.61	0.02	3.15
RAA12-L16	350	7,443	6 - 8	<b>0.020</b>	551.36	0.02	11.03
RAA12-L18	372	5,896	6 - 8	<b>0.025</b>	436.74	0.03	10.92
RAA12-M20	371	4,005	6 - 8	<b>0.0195</b>	296.68	0.02	5.79
RAA12-N14	361	2,963	6 - 8	<b>0.021</b>	219.47	0.02	4.61
RAA12-N16	373	8,817	6 - 8	<b>0.0225</b>	653.12	0.02	14.70
RAA12-N18	374,396	3,686	6 - 8	0.053	273.03	0.05	14.47
RAA12-O15	341A	2,352	6 - 8	<b>0.0245</b>	174.19	0.02	4.27
RAA12-P15	338A	385	6 - 8	<b>0.0215</b>	28.50	0.02	0.61
RAA12-R18	375	5,547	6 - 8	<b>0.0205</b>	410.86	0.02	8.42
RAA12-S16	334A	1,677	6 - 8	0.014	124.21	0.01	1.74
Totals:	--	78,075	--	--	5,783.34	--	3,369.75
							<b>Volume-Weighted Average:</b> 0.58

**TABLE D-8**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (COMMERCIAL PORTION): 0- TO 15-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA/  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**8- TO 10-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000555	385	463	8 - 10	0.187	34.30	0.19	6.41
LS-42	377	1,926	8 - 10	<b>0.0255</b>	142.68	0.03	3.64
LS-43	381	2,773	8 - 10	0.094	205.39	0.09	19.31
LS-44	383	6,772	8 - 10	5.0	501.60	5.00	2,508.00
LS-45	384	8,266	8 - 10	0.61	612.28	0.61	373.49
LSSC-07	378	1,132	8 - 10	7.7	83.82	7.70	645.38
LSSC-08	382	2,951	8 - 10	1.94	218.58	1.94	424.04
LSSC-16	379	969	8 - 10	<b>0.022</b>	71.78	0.02	1.58
LSSC-17	380	2,625	8 - 10	2.3	194.41	2.30	447.15
LSSC-31	333	2,615	8 - 10	2.4	193.68	2.40	464.83
RAA12-J16	422	271	8 - 10	<b>0.0235</b>	20.08	0.02	0.47
RAA12-J18	421	2,470	8 - 10	<b>0.020</b>	182.98	0.02	3.66
RAA12-L14	424	2,074	8 - 10	<b>0.0205</b>	153.61	0.02	3.15
RAA12-L16	373	7,443	8 - 10	<b>0.020</b>	551.36	0.02	11.03
RAA12-L18	372	5,896	8 - 10	<b>0.025</b>	436.74	0.03	10.92
RAA12-M20	376	4,005	8 - 10	<b>0.0195</b>	296.68	0.02	5.79
RAA12-N14	354A	2,963	8 - 10	<b>0.021</b>	219.47	0.02	4.61
RAA12-N16	374	8,817	8 - 10	<b>0.0225</b>	653.12	0.02	14.70
RAA12-N18	375,400	3,686	8 - 10	0.053	273.03	0.05	14.47
RAA12-O15	331A	2,352	8 - 10	<b>0.0245</b>	174.19	0.02	4.27
RAA12-P15	328A	385	8 - 10	<b>0.0215</b>	28.50	0.02	0.61
RAA12-R18	336	5,547	8 - 10	<b>0.0205</b>	410.86	0.02	8.42
RAA12-S16	324A	1,677	8 - 10	0.014	124.21	0.01	1.74
<b>Totals:</b>	--	78,075	--	--	5,783.34	--	4,977.66
					<b>Volume-Weighted Average:</b>	<b>0.86</b>	

**10- TO 12-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000555	385	463	10 - 12	0.114	34.30	0.11	3.91
LS-42	377	1,926	10 - 12	<b>0.0245</b>	142.69	0.02	3.50
LS-43	380	2,773	10 - 12	<b>0.0265</b>	205.39	0.03	5.44
LS-44	383	6,772	10 - 12	<b>0.0275</b>	501.60	0.03	13.79
LS-45	384	8,266	10 - 12	0.092	612.28	0.09	56.33
LSSC-07	378	1,132	10 - 12	0.95	83.82	0.95	79.62
LSSC-08	382	2,951	10 - 12	0.38	218.58	0.38	83.06
LSSC-16	381	969	10 - 12	<b>0.020</b>	71.78	0.02	1.44
LSSC-17	379	2,625	10 - 12	0.49	194.41	0.49	95.26
LSSC-31	333	2,615	10 - 12	<b>0.022</b>	193.68	0.02	4.26
RAA12-J16	422	271	10 - 12	<b>0.023</b>	20.08	0.02	0.46
RAA12-J18	421	2,470	10 - 12	<b>0.019</b>	182.98	0.02	3.48
RAA12-L14	424	2,074	10 - 12	<b>0.0245</b>	153.61	0.02	3.76
RAA12-L16	343	7,443	10 - 12	<b>0.026</b>	551.36	0.03	14.34
RAA12-L18	375	5,896	10 - 12	0.079	436.74	0.08	34.50

**TABLE D-8**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (COMMERCIAL PORTION): 0- TO 15-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA/  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**10- TO 12-FOOT DEPTH INCREMENT (continued)**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
RAA12-M20	376	4,005	10 - 12	<b>0.020</b>	296.68	0.02	5.93
RAA12-N14	357A	2,963	10 - 12	<b>0.0215</b>	219.47	0.02	4.72
RAA12-N16	344	8,817	10 - 12	<b>0.022</b>	653.12	0.02	14.37
RAA12-N18	345,400	3,686	10 - 12	0.019	273.03	0.02	5.19
RAA12-O15	331A	2,352	10 - 12	<b>0.02075</b>	174.19	0.02	3.61
RAA12-P15	328A	385	10 - 12	<b>0.0205</b>	28.50	0.02	0.58
RAA12-R18	336	5,547	10 - 12	<b>0.0195</b>	410.86	0.02	8.01
RAA12-S16	324A	1,677	10 - 12	<b>0.0195</b>	124.21	0.02	2.42
<b>Totals:</b>	--	78,075	--	--	5,783.35	--	448.00
							<b>Volume-Weighted Average: 0.08</b>

**12- TO 14-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000555	385	463	12 - 14	0.114	34.30	0.11	3.91
LS-42	378	1,926	12 - 14	<b>0.023</b>	142.68	0.02	3.28
LS-43	382	2,773	12 - 14	0.082	205.39	0.08	16.84
LS-44	384	6,772	12 - 14	0.14	501.60	0.14	70.22
LS-45	376	8,266	12 - 14	0.05175	612.28	0.05	31.69
LSSC-07	379	1,132	12 - 14	0.95	83.82	0.95	79.62
LSSC-08	383	2,951	12 - 14	0.38	218.58	0.38	83.06
LSSC-16	380	969	12 - 14	<b>0.020</b>	71.78	0.02	1.44
LSSC-17	381	2,625	12 - 14	0.49	194.41	0.49	95.26
LSSC-31	328	2,615	12 - 14	<b>0.022</b>	193.68	0.02	4.26
RAA12-J16	422	271	12 - 14	<b>0.023</b>	20.08	0.02	0.46
RAA12-J18	421	2,470	12 - 14	<b>0.019</b>	182.98	0.02	3.48
RAA12-L14	424	2,074	12 - 14	<b>0.0245</b>	153.61	0.02	3.76
RAA12-L16	335	7,443	12 - 14	<b>0.026</b>	551.36	0.03	14.34
RAA12-L18	374	5,896	12 - 14	0.079	436.74	0.08	34.50
RAA12-M20	373	4,005	12 - 14	<b>0.020</b>	296.68	0.02	5.93
RAA12-N14	348A	2,963	12 - 14	<b>0.0215</b>	219.47	0.02	4.72
RAA12-N16	336	8,817	12 - 14	<b>0.022</b>	653.12	0.02	14.37
RAA12-N18	375,400	3,686	12 - 14	0.019	273.03	0.02	5.19
RAA12-O15	326A	2,352	12 - 14	<b>0.02075</b>	174.19	0.02	3.61
RAA12-P15	324A	385	12 - 14	<b>0.0205</b>	28.50	0.02	0.58
RAA12-R18	377	5,547	12 - 14	<b>0.0195</b>	410.86	0.02	8.01
RAA12-S16	323A	1,677	12 - 14	<b>0.0195</b>	124.21	0.02	2.42
<b>Totals:</b>	--	78,075	--	--	5,783.34	--	490.97
							<b>Volume-Weighted Average: 0.08</b>

**TABLE D-8**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-201 (COMMERCIAL PORTION): 0- TO 15-FOOT DEPTH INCREMENT**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA/  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**14- TO 15-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
BH000555	375	463	14 - 15	0.114	17.15	0.11	1.95
LS-42	381	1,926	14 - 15	<b>0.0235</b>	71.34	0.02	1.68
LS-43	379	2,773	14 - 15	<b>0.026</b>	102.69	0.03	2.67
LS-44	376	6,772	14 - 15	1.6	250.80	1.60	401.28
LS-45	373	8,266	14 - 15	5.9	306.14	5.90	1,806.23
LSSC-07	382	1,132	14 - 15	0.95	41.91	0.95	39.81
LSSC-08	377	2,951	14 - 15	0.38	109.29	0.38	41.53
LSSC-16	380	969	14 - 15	<b>0.020</b>	35.89	0.02	0.72
LSSC-17	378	2,625	14 - 15	0.49	97.21	0.49	47.63
LSSC-31	359	2,615	14 - 15	<b>0.022</b>	96.84	0.02	2.13
RAA12-J16	422	271	14 - 15	<b>0.023</b>	10.04	0.02	0.23
RAA12-J18	421	2,470	14 - 15	<b>0.019</b>	91.49	0.02	1.74
RAA12-L14	424	2,074	14 - 15	<b>0.0245</b>	76.81	0.02	1.88
RAA12-L16	352	7,443	14 - 15	<b>0.026</b>	275.68	0.03	7.17
RAA12-L18	384	5,896	14 - 15	0.079	218.37	0.08	17.25
RAA12-M20	383	4,005	14 - 15	<b>0.02</b>	148.34	0.02	2.97
RAA12-N14	339A	2,963	14 - 15	<b>0.0215</b>	109.73	0.02	2.36
RAA12-N16	351	8,817	14 - 15	<b>0.022</b>	326.56	0.02	7.18
RAA12-N18	371,400	3,686	14 - 15	0.019	136.52	0.02	2.59
RAA12-O15	361A	2,352	14 - 15	<b>0.02075</b>	87.09	0.02	1.81
RAA12-P15	364A	385	14 - 15	<b>0.0205</b>	14.25	0.02	0.29
RAA12-R18	372	5,547	14 - 15	<b>0.0195</b>	205.43	0.02	4.01
RAA12-S16	374A	1,677	14 - 15	<b>0.0195</b>	62.10	0.02	1.21
<b>Totals:</b>	--	78,075	--	--	2,891.67	--	2,396.33
						<b>Volume-Weighted Average:</b>	<b>0.83</b>

**SUMMARY: 0- TO 15-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
<b>Totals:</b>	--	78,075	--	--	43,375.09	--	73,446.86
						<b>Volume-Weighted Average:</b>	<b>1.69</b>

**Notes:**

1. Polygon ID and area based on information shown on Figures D-8 through D-12.
2. Non-detectable PCBs included as one-half the detection limit in calculations and shown in bold.
3. For instances where a duplicate sample was available, the average of the samples was included in table.
4. All calculations and rounding are performed by the computer software. Therefore, certain quantities in above table are displayed as rounded numbers for table clarity.

**TABLE D-9**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-203: 0- TO 1-FOOT DEPTH INCREMENT**

**SUPPLEMENT TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**0- TO 0.5-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	976	2,417	0 - 0.5	9.59	44.76	9.59	429.29
OT000012	2938	347	0 - 0.5	1.5	6.42	1.50	9.64
RAA12-Q11	1141	25	0 - 0.5	<b>0.018</b>	0.46	0.02	0.01
RAA12-Q12	2917,2919	206	0 - 0.5	0.05875	3.82	0.06	0.22
RAA12-Q13	2912,2914	38	0 - 0.5	<b>0.018</b>	0.70	0.02	0.01
RAA12-QR13	2940	9	0 - 0.5	<b>0.018</b>	0.16	0.02	0.00
RAA12-R10	1144	142	0 - 0.5	<b>0.0185</b>	2.63	0.02	0.05
RAA12-R11	926	1,722	0 - 0.5	0.26	31.90	0.26	8.29
RAA12-R12	2717	2,095	0 - 0.5	0.054	38.80	0.05	2.10
RAA12-R13	2942	604	0 - 0.5	<b>0.0175</b>	11.18	0.02	0.20
RAA12-RS13	2944	401	0 - 0.5	0.032	7.42	0.03	0.24
RAA12-S10	1279	503	0 - 0.5	3.31	9.31	3.31	30.81
RAA12-S11	934	2,139	0 - 0.5	37.5	39.61	37.50	1,485.28
RAA12-S12	2782	2,467	0 - 0.5	25.3	45.68	25.30	1,155.79
RAA12-S13	2946	459	0 - 0.5	430	8.50	430.00	3,656.67
RAA12-ST13	2948	458	0 - 0.5	61	8.49	61.00	517.71
RAA12-T10	1044	49	0 - 0.5	4.1	0.91	4.10	3.74
RB010761	2799	1,143	0 - 0.5	13.8	21.16	13.80	292.00
RB010781	1043	812	0 - 0.5	20.8	15.04	20.80	312.74
<b>Totals:</b>	--	16,035	--	--	296.95	--	7,904.79
							<b>Volume-Weighted Average: 26.62</b>

**0.5- TO 1-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	2685	3,308	0.5 - 1	15	61.26	15.00	918.87
RAA12-Q11	1087	25	0.5 - 1	<b>0.018</b>	0.46	0.02	0.01
RAA12-Q12	2859,2861	239	0.5 - 1	0.05875	4.42	0.06	0.26
RAA12-Q13	2854,2856	187	0.5 - 1	<b>0.018</b>	3.46	0.02	0.06
RAA12-QR13	2882	126	0.5 - 1	<b>0.018</b>	2.34	0.02	0.04
RAA12-R10	1090	142	0.5 - 1	<b>0.0185</b>	2.63	0.02	0.05
RAA12-R11	854	1,722	0.5 - 1	0.26	31.90	0.26	8.29
RAA12-R12	2698	2,117	0.5 - 1	0.054	39.20	0.05	2.12
RAA12-R13	2039	630	0.5 - 1	<b>0.0175</b>	11.66	0.02	0.20
RAA12-RS13	2884	401	0.5 - 1	0.032	7.42	0.03	0.24
RAA12-S10	1211	504	0.5 - 1	3.31	9.34	3.31	30.91
RAA12-S11	862	2,139	0.5 - 1	37.5	39.61	37.50	1,485.28
RAA12-S12	2764	2,566	0.5 - 1	25.3	47.51	25.30	1,202.10
RAA12-S13	2886	459	0.5 - 1	430	8.50	430.00	3,656.67
RAA12-ST13	2042	1,385	0.5 - 1	61	25.64	61.00	1,564.14
RAA12-T10	990	86	0.5 - 1	4.1	1.60	4.10	6.56
<b>Totals:</b>	--	16,035	--	--	296.95	--	8,875.80
							<b>Volume-Weighted Average: 29.89</b>

**TABLE D-9**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-203: 0- TO 1-FOOT DEPTH INCREMENT**

**SUPPLEMENT TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**SUMMARY: 0- TO 1-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
Totals:	--	16,035	--	--	593.89	--	16,780.59
Volume-Weighted Average:							<b>28.26</b>

**Notes:**

1. Polygon ID and area based on information shown on Figures D-1 and D-2.
2. Non-detectable PCBs included as one-half the detection limit in calculations and shown in bold.
3. For instances where a duplicate sample was available, the average of the samples was included in table.
4. All calculations and rounding are performed by the computer software. Therefore, certain quantities in above table are displayed as rounded numbers for table clarity.

**TABLE D-10**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-203: 0- TO 3-FOOT DEPTH INCREMENT**

**SUPPLEMENT TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**0- TO 1-FOOT DEPTH INCREMENT (TABLE D-9)**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
<b>Totals:</b>	--	16,035	--	--	593.89	--	16,780.59
						<b>Volume-Weighted Average:</b>	<b>28.26</b>

**1- TO 2-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	366	5,703	1 - 2	15	211.23	15.00	3,168.38
BH000557	426	21	1 - 2	16.9	0.77	16.90	13.06
RAA12-Q13	476	349	1 - 2	0.86	12.94	0.86	11.13
RAA12-R10	386A	1,282	1 - 2	0.76	47.48	0.76	36.08
RAA12-R12	387	4,138	1 - 2	4.04	153.25	4.04	619.13
RAA12-R13	483	901	1 - 2	2.06	33.39	2.06	68.77
RAA12-S13	484	2,594	1 - 2	49	96.09	49.00	4,708.34
RAA12-T10	428	233	1 - 2	51	8.62	51.00	439.54
RB010781	427	814	1 - 1.5	54	30.13	54.00	1,627.14
<b>Totals:</b>	--	16,035	--	--	593.89	--	10,691.58
						<b>Volume-Weighted Average:</b>	<b>18.00</b>

**2- TO 3-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	359	5,703	2 - 3	23.1	211.22	23.10	4,879.12
BH000557	416	21	2 - 3	16.9	0.77	16.90	13.09
RAA12-Q13	460	349	2 - 3	0.86	12.94	0.86	11.13
RAA12-R10	373A	1,282	2 - 3	0.76	47.48	0.76	36.08
RAA12-R12	374	4,138	2 - 3	4.04	153.25	4.04	619.14
RAA12-R13	467	902	2 - 3	2.06	33.39	2.06	68.79
RAA12-S13	417	2,594	2 - 3	49	96.08	49.00	4,708.08
RAA12-T10	419	233	2 - 3	51	8.62	51.00	439.37
RB010781	418	814	2 - 2.5	9.94	30.13	9.94	299.52
<b>Totals:</b>	--	16,035	--	--	593.89	--	11,074.34
						<b>Volume-Weighted Average:</b>	<b>18.65</b>

**SUMMARY: 0- TO 3-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
<b>Totals:</b>	--	16,035	--	--	1,781.67	--	38,546.51
						<b>Volume-Weighted Average:</b>	<b>21.64</b>

**Notes:**

1. Polygon ID and area based on information shown on Figures D-3 and D-4.
2. Non-detectable PCBs included as one-half the detection limit in calculations and shown in bold.
3. For instances where a duplicate sample was available, the average of the samples was included in table.
4. All calculations and rounding are performed by the computer software. Therefore, certain quantities in above table are displayed as rounded numbers for table clarity.

**TABLE D-11**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-203: 1- TO 6-FOOT DEPTH INCREMENT**

**SUPPLEMENT TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**1- TO 3-FOOT DEPTH INCREMENT (TABLE D-10)**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
<b>Totals:</b>	--	16,035	--	--	1,187.78	--	21,765.92
							<b>Volume-Weighted Average:</b> 18.32

**3- TO 4-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	333	6,478	3 - 4	23.1	239.91	23.10	5,541.96
BH000557	386	21	3 - 4	55	0.77	55.00	42.61
RAA12-Q13	428	349	3 - 4	4.0	12.94	4.00	51.77
RAA12-R10	344A	1,282	3 - 4	0.78	47.48	0.78	37.03
RAA12-R12	345	4,138	3 - 4	4.4	153.25	4.40	674.31
RAA12-R13	435	902	3 - 4	4.6	33.39	4.60	153.61
RAA12-S13	387	2,594	3 - 4	19.4	96.08	19.40	1,864.02
RAA12-T10	388	271	3 - 4	13.75	10.05	13.75	138.23
<b>Totals:</b>	--	16,035	--	--	593.89	--	8,503.55
							<b>Volume-Weighted Average:</b> 14.32

**4- TO 5-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	334	6,478	4 - 5	17.05	239.91	17.05	4,090.50
BH000557	386	21	4 - 5	55	0.77	55.00	42.61
RAA12-Q13	428	349	4 - 5	4.0	12.94	4.00	51.77
RAA12-R10	352	1,282	4 - 5	0.78	47.48	0.78	37.03
RAA12-R12	353	4,138	4 - 5	4.4	153.25	4.40	674.31
RAA12-R13	435	902	4 - 5	4.6	33.39	4.60	153.61
RAA12-S13	387	2,594	4 - 5	19.4	96.08	19.40	1,864.02
RAA12-T10	388	271	4 - 5	13.75	10.05	13.75	138.23
<b>Totals:</b>	--	16,035	--	--	593.89	--	7,052.09
							<b>Volume-Weighted Average:</b> 11.87

**5- TO 6-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	334	6,478	5 - 6	17.05	239.91	17.05	4,090.50
BH000557	386	21	5 - 6	55	0.77	55.00	42.61
RAA12-Q13	428	349	5 - 6	4.0	12.94	4.00	51.77
RAA12-R10	352	1,282	5 - 6	0.78	47.48	0.78	37.03
RAA12-R12	353	4,138	5 - 6	4.4	153.25	4.40	674.31
RAA12-R13	435	902	5 - 6	4.6	33.39	4.60	153.61
RAA12-S13	387	2,594	5 - 6	19.4	96.08	19.40	1,864.02
RAA12-T10	388	271	5 - 6	13.75	10.05	13.75	138.23
<b>Totals:</b>	--	16,035	--	--	593.89	--	7,052.09
							<b>Volume-Weighted Average:</b> 11.87

**TABLE D-11**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-203: 1- TO 6-FOOT DEPTH INCREMENT**

**SUPPLEMENT TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**SUMMARY: 1- TO 6-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
<b>Totals:</b>	--	16,035	--	--	2,969.45	--	44,373.64

**Notes:**

1. Polygon ID and area based on information shown on Figures D-5 through D-7.
2. Non-detectable PCBs included as one-half the detection limit in calculations and shown in bold.
3. For instances where a duplicate sample was available, the average of the samples was included in table.
4. All calculations and rounding are performed by the computer software. Therefore, certain quantities in above table are displayed as rounded numbers for table clarity.

**TABLE D-12**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-203: 0- TO 15-FOOT DEPTH INCREMENT**

**SUPPLEMENT TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**0- TO 1-FOOT DEPTH INCREMENT (TABLE D-9)**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
Totals:	--	16,035	--	--	593.89	--	16,780.59
Volume-Weighted Average:							28.26

**1- TO 6-FOOT DEPTH INCREMENT (TABLE D-11)**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
Totals:	--	16,035	--	--	2,969.45	--	44,373.64
Volume-Weighted Average:							14.94

**6- TO 8-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	344	6,478	6 - 8	6.2	479.82	6.20	2,974.91
BH000557	385	21	6 - 8	13.2	1.55	13.20	20.46
RAA12-Q13	425	349	6 - 8	0.37	25.89	0.37	9.58
RAA12-R10	355A	1,282	6 - 8	0.54	94.96	0.54	51.28
RAA12-R12	356	4,138	6 - 8	0.97	306.51	0.97	297.31
RAA12-R13	432	902	6 - 8	2.21	66.79	2.21	147.60
RAA12-S13	433	2,594	6 - 8	5.07	192.17	5.07	974.29
RAA12-T10	458	271	6 - 8	<b>0.025</b>	20.11	0.03	0.50
Totals:	--	16,035	--	--	1,187.78	--	4,475.91
Volume-Weighted Average:							3.77

**8- TO 10-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	334	6,478	8 - 10	<b>0.025</b>	479.82	0.03	12.00
BH000557	386	21	8 - 10	13.2	1.55	13.20	20.46
RAA12-Q13	428	349	8 - 10	0.37	25.89	0.37	9.58
RAA12-R10	348A	1,282	8 - 10	0.54	94.96	0.54	51.28
RAA12-R12	349	4,138	8 - 10	0.97	306.51	0.97	297.31
RAA12-R13	435	902	8 - 10	2.21	66.79	2.21	147.60
RAA12-S13	387	2,594	8 - 10	5.07	192.17	5.07	974.29
RAA12-T10	388	271	8 - 10	<b>0.025</b>	20.11	0.03	0.50
Totals:	--	16,035	--	--	1,187.78	--	1,513.00
Volume-Weighted Average:							1.27

**TABLE D-12**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-203: 0- TO 15-FOOT DEPTH INCREMENT**

**SUPPLEMENT TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**10- TO 12-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	334	6,478	10 - 12	<b>0.025</b>	479.82	0.03	12.00
BH000557	386	21	10 - 12	0.957	1.55	0.96	1.48
RAA12-Q13	428	349	10 - 12	<b>0.0205</b>	25.89	0.02	0.53
RAA12-R10	351A	1,282	10 - 12	<b>0.0255</b>	94.96	0.03	2.42
RAA12-R12	352	4,138	10 - 12	<b>0.021</b>	306.51	0.02	6.44
RAA12-R13	435	902	10 - 12	0.045	66.79	0.05	3.01
RAA12-S13	387	2,594	10 - 12	<b>0.021</b>	192.17	0.02	4.04
RAA12-T10	388	271	10 - 12	0.029	20.11	0.03	0.58
<b>Totals:</b>	--	16,035	--	--	1,187.78	--	30.49
							<b>Volume-Weighted Average:</b> <b>0.03</b>

**12- TO 14-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	329	6,478	12 - 14	<b>0.025</b>	479.82	0.03	12.00
BH000557	386	21	12 - 14	0.957	1.55	0.96	1.48
RAA12-Q13	428	349	12 - 14	<b>0.0205</b>	25.89	0.02	0.53
RAA12-R10	342A	1,282	12 - 14	<b>0.0255</b>	94.96	0.03	2.42
RAA12-R12	343	4,138	12 - 14	<b>0.021</b>	306.51	0.02	6.44
RAA12-R13	435	902	12 - 14	0.045	66.79	0.05	3.01
RAA12-S13	387	2,594	12 - 14	<b>0.021</b>	192.17	0.02	4.04
RAA12-T10	388	271	12 - 14	0.029	20.11	0.03	0.58
<b>Totals:</b>	--	16,035	--	--	1,187.78	--	30.49
							<b>Volume-Weighted Average:</b> <b>0.03</b>

**14- TO 15-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	321	6,478	14 - 15	<b>0.025</b>	239.91	0.03	6.00
BH000557	386	21	14 - 15	0.957	0.77	0.96	0.74
RAA12-Q13	428	349	14 - 15	<b>0.0205</b>	12.94	0.02	0.27
RAA12-R10	345A	1,282	14 - 15	<b>0.0255</b>	47.48	0.03	1.21
RAA12-R12	344	4,138	14 - 15	<b>0.021</b>	153.25	0.02	3.22
RAA12-R13	435	902	14 - 15	0.045	33.39	0.05	1.50
RAA12-S13	387	2,594	14 - 15	<b>0.021</b>	96.08	0.02	2.02
RAA12-T10	388	271	14 - 15	0.029	10.05	0.03	0.29
<b>Totals:</b>	--	16,035	--	--	593.89	--	15.25
							<b>Volume-Weighted Average:</b> <b>0.03</b>

**TABLE D-12**  
**EXISTING CONDITIONS**  
**PARCEL I9-4-203: 0- TO 15-FOOT DEPTH INCREMENT**

**SUPPLEMENT TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**SUMMARY - 0- TO 15-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
<b>Totals:</b>	--	16,035	--	--	8,908.36	--	67,219.37

**Notes:**

1. Polygon ID and area based on information shown on Figures D-8 through D-12.
2. Non-detectable PCBs included as one-half the detection limit in calculations and shown in bold.
3. For instances where a duplicate sample was available, the average of the samples was included in table.
4. All calculations and rounding are performed by the computer software. Therefore, certain quantities in above table are displayed as rounded numbers for table clarity.

**TABLE D-13**  
**POST-REMEDIATION CONDITIONS**  
**PARCEL I9-4-203: 0- TO 1-FOOT DEPTH INCREMENT**

**SUPPLEMENT TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**0- TO 0.5-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	976	2,417	0 - 0.5	9.59	44.76	9.59	429.29
OT000012	2938	347	0 - 0.5	1.5	6.42	1.50	9.64
RAA12-Q11	1141	25	0 - 0.5	<b>0.018</b>	0.46	0.02	0.01
RAA12-Q12	2917,2919	206	0 - 0.5	0.05875	3.82	0.06	0.22
RAA12-Q13	2912,2914	38	0 - 0.5	<b>0.018</b>	0.70	0.02	0.01
RAA12-QR13	2940	9	0 - 0.5	<b>0.018</b>	0.16	0.02	0.00
RAA12-R10	1144	142	0 - 0.5	<b>0.0185</b>	2.63	0.02	0.05
RAA12-R11	926	1,722	0 - 0.5	0.26	31.90	0.26	8.29
RAA12-R12	2717	2,095	0 - 0.5	0.054	38.80	0.05	2.10
RAA12-R13	2942	604	0 - 0.5	<b>0.0175</b>	11.18	0.02	0.20
RAA12-RS13	2944	401	0 - 0.5	0.032	7.42	0.03	0.24
RAA12-S10	1279	503	0 - 0.5	3.31	9.31	3.31	30.81
RAA12-S11	934	2,139	0 - 0.5	37.5	39.61	37.50	1,485.28
RAA12-S12	2782	2,467	0 - 0.5	25.3	45.68	25.30	1,155.79
RAA12-S13	2946	459	0 - 0.5	<b>0.021</b>	8.50	0.02	0.18
RAA12-ST13	2948	458	0 - 0.5	61	8.49	61.00	517.71
RAA12-T10	1044	49	0 - 0.5	4.1	0.91	4.10	3.74
RB010761	2799	1,143	0 - 0.5	13.8	21.16	13.80	292.00
RB010781	1043	812	0 - 0.5	20.8	15.04	20.80	312.74
<b>Totals:</b>	--	16,035	--	--	296.95	--	4,248.30
							<b>Volume-Weighted Average:</b> 14.31

**0.5- TO 1-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	2685	3,308	0.5 - 1	15	61.26	15.00	918.87
RAA12-Q11	1087	25	0.5 - 1	<b>0.018</b>	0.46	0.02	0.01
RAA12-Q12	2859,2861	239	0.5 - 1	0.05875	4.42	0.06	0.26
RAA12-Q13	2854,2856	187	0.5 - 1	<b>0.018</b>	3.46	0.02	0.06
RAA12-QR13	2882	126	0.5 - 1	<b>0.018</b>	2.34	0.02	0.04
RAA12-R10	1090	142	0.5 - 1	<b>0.0185</b>	2.63	0.02	0.05
RAA12-R11	854	1,722	0.5 - 1	0.26	31.90	0.26	8.29
RAA12-R12	2698	2,117	0.5 - 1	0.054	39.20	0.05	2.12
RAA12-R13	2039	630	0.5 - 1	<b>0.0175</b>	11.66	0.02	0.20
RAA12-RS13	2884	401	0.5 - 1	0.032	7.42	0.03	0.24
RAA12-S10	1211	504	0.5 - 1	3.31	9.34	3.31	30.91
RAA12-S11	862	2,139	0.5 - 1	37.5	39.61	37.50	1,485.28
RAA12-S12	2764	2,566	0.5 - 1	25.3	47.51	25.30	1,202.10
RAA12-S13	2886	459	0.5 - 1	<b>0.021</b>	8.50	0.02	0.18
RAA12-ST13	2042	1,385	0.5 - 1	61	25.64	61.00	1,564.14
RAA12-T10	990	86	0.5 - 1	4.1	1.60	4.10	6.56
<b>Totals:</b>	--	16,035	--	--	296.95	--	5,219.31
							<b>Volume-Weighted Average:</b> 17.58

**TABLE D-13**  
**POST-REMEDIATION CONDITIONS**  
**PARCEL I9-4-203: 0- TO 1-FOOT DEPTH INCREMENT**

**SUPPLEMENT TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**SUMMARY: 0- TO 1-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
Totals:	--	16,035	--	--	593.89	--	9,467.61

**Notes:**

1. Polygon ID and area based on information shown on Figures D-1 and D-2.
2. Non-detectable PCBs included as one-half the detection limit in calculations and shown in bold.
3. For instances where a duplicate sample was available, the average of the samples was included in table.
4. All calculations and rounding are performed by the computer software. Therefore, certain quantities in above table are displayed as rounded numbers for table clarity.
5. Shaded numbers in bold and italics represent the placement of clean backfill material following the performance of the proposed remediation. The backfill concentration corresponds to the average PCB concentration as presented in the CD Sites Backfill Data Set.

**TABLE D-14**  
**POST-REMEDIATION CONDITIONS**  
**PARCEL I9-4-203: 0- TO 3-FOOT DEPTH INCREMENT**

**SUPPLEMENT TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**0- TO 1-FOOT DEPTH INCREMENT (TABLE D-13)**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
<b>Totals:</b>	--	16,035	--	--	593.89	--	9,467.61
					<b>Volume-Weighted Average:</b>	<b>15.94</b>	

**1- TO 2-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	366	5,703	1 - 2	15	211.23	15.00	3,168.38
BH000557	426	21	1 - 2	16.9	0.77	16.90	13.06
RAA12-Q13	476	349	1 - 2	0.86	12.94	0.86	11.13
RAA12-R10	386A	1,282	1 - 2	0.76	47.48	0.76	36.08
RAA12-R12	387	4,138	1 - 2	4.04	153.25	4.04	619.13
RAA12-R13	483	901	1 - 2	2.06	33.39	2.06	68.77
RAA12-S13	484	2,594	1 - 2	49	96.09	49.00	4,708.34
RAA12-T10	428	233	1 - 2	51	8.62	51.00	439.54
RB010781	427	814	1 - 1.5	54	30.13	54.00	1,627.14
<b>Totals:</b>	--	16,035	--	--	593.89	--	10,691.58
					<b>Volume-Weighted Average:</b>	<b>18.00</b>	

**2- TO 3-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	359	5,703	2 - 3	23.1	211.22	23.10	4,879.12
BH000557	416	21	2 - 3	16.9	0.77	16.90	13.09
RAA12-Q13	460	349	2 - 3	0.86	12.94	0.86	11.13
RAA12-R10	373A	1,282	2 - 3	0.76	47.48	0.76	36.08
RAA12-R12	374	4,138	2 - 3	4.04	153.25	4.04	619.14
RAA12-R13	467	902	2 - 3	2.06	33.39	2.06	68.79
RAA12-S13	417	2,594	2 - 3	49	96.08	49.00	4,708.08
RAA12-T10	419	233	2 - 3	51	8.62	51.00	439.37
RB010781	418	814	2 - 2.5	9.94	30.13	9.94	299.52
<b>Totals:</b>	--	16,035	--	--	593.89	--	11,074.34
					<b>Volume-Weighted Average:</b>	<b>18.65</b>	

**SUMMARY: 0- TO 3-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
<b>Totals:</b>	--	16,035	--	--	1,781.67	--	31,233.52
					<b>Volume-Weighted Average:</b>	<b>17.53</b>	

**Notes:**

1. Polygon ID and area based on information shown on Figures D-3 and D-4.
2. Non-detectable PCBs included as one-half the detection limit in calculations and shown in bold.
3. For instances where a duplicate sample was available, the average of the samples was included in table.
4. All calculations and rounding are performed by the computer software. Therefore, certain quantities in above table are displayed as rounded numbers for table clarity.

**TABLE D-15**  
**POST-REMEDIATION CONDITIONS**  
**PARCEL I9-4-203: 0- TO 15-FOOT DEPTH INCREMENT**

**SUPPLEMENT TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**0- TO 1-FOOT DEPTH INCREMENT (TABLE D-13)**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
Totals:	--	16,035	--	--	593.89	--	9,467.61
					Volume-Weighted Average:	15.94	

**1- TO 6-FOOT DEPTH INCREMENT (TABLE D-11)**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
Totals:	--	16,035	--	--	2,969.45	--	44,373.64
					Volume-Weighted Average:	14.94	

**6- TO 8-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	344	6,478	6 - 8	6.2	479.82	6.20	2,974.91
BH000557	385	21	6 - 8	13.2	1.55	13.20	20.46
RAA12-Q13	425	349	6 - 8	0.37	25.89	0.37	9.58
RAA12-R10	355A	1,282	6 - 8	0.54	94.96	0.54	51.28
RAA12-R12	356	4,138	6 - 8	0.97	306.51	0.97	297.31
RAA12-R13	432	902	6 - 8	2.21	66.79	2.21	147.60
RAA12-S13	433	2,594	6 - 8	5.07	192.17	5.07	974.29
RAA12-T10	458	271	6 - 8	<b>0.025</b>	20.11	0.03	0.50
Totals:	--	16,035	--	--	1,187.78	--	4,475.91
					Volume-Weighted Average:	3.77	

**8- TO 10-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	334	6,478	8 - 10	<b>0.025</b>	479.82	0.03	12.00
BH000557	386	21	8 - 10	13.2	1.55	13.20	20.46
RAA12-Q13	428	349	8 - 10	0.37	25.89	0.37	9.58
RAA12-R10	348A	1,282	8 - 10	0.54	94.96	0.54	51.28
RAA12-R12	349	4,138	8 - 10	0.97	306.51	0.97	297.31
RAA12-R13	435	902	8 - 10	2.21	66.79	2.21	147.60
RAA12-S13	387	2,594	8 - 10	5.07	192.17	5.07	974.29
RAA12-T10	388	271	8 - 10	<b>0.025</b>	20.11	0.03	0.50
Totals:	--	16,035	--	--	1,187.78	--	1,513.00
					Volume-Weighted Average:	1.27	

**TABLE D-15**  
**POST-REMEDIATION CONDITIONS**  
**PARCEL I9-4-203: 0- TO 15-FOOT DEPTH INCREMENT**

**SUPPLEMENT TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**10- TO 12-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	334	6,478	10 - 12	<b>0.025</b>	479.82	0.03	12.00
BH000557	386	21	10 - 12	0.957	1.55	0.96	1.48
RAA12-Q13	428	349	10 - 12	<b>0.0205</b>	25.89	0.02	0.53
RAA12-R10	351A	1,282	10 - 12	<b>0.0255</b>	94.96	0.03	2.42
RAA12-R12	352	4,138	10 - 12	<b>0.021</b>	306.51	0.02	6.44
RAA12-R13	435	902	10 - 12	0.045	66.79	0.05	3.01
RAA12-S13	387	2594	10 - 12	<b>0.021</b>	192.17	0.02	4.04
RAA12-T10	388	271	10 - 12	0.029	20.11	0.03	0.58
<b>Totals:</b>	--	16,035	--	--	1,187.78	--	30.49
							<b>Volume-Weighted Average:</b> <b>0.03</b>

**12- TO 14-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	329	6,478	12 - 14	<b>0.025</b>	479.82	0.03	12.00
BH000557	386	21	12 - 14	0.957	1.55	0.96	1.48
RAA12-Q13	428	349	12 - 14	<b>0.0205</b>	25.89	0.02	0.53
RAA12-R10	342A	1,282	12 - 14	<b>0.0255</b>	94.96	0.03	2.42
RAA12-R12	343	4,138	12 - 14	<b>0.021</b>	306.51	0.02	6.44
RAA12-R13	435	902	12 - 14	0.045	66.79	0.05	3.01
RAA12-S13	387	2594	12 - 14	<b>0.021</b>	192.17	0.02	4.04
RAA12-T10	388	271	12 - 14	0.029	20.11	0.03	0.58
<b>Totals:</b>	--	16,035	--	--	1,187.78	--	30.49
							<b>Volume-Weighted Average:</b> <b>0.03</b>

**14- TO 15-FOOT DEPTH INCREMENT**

Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
B-1	321	6,478	14 - 15	<b>0.025</b>	239.91	0.03	6.00
BH000557	386	21	14 - 15	0.957	0.77	0.96	0.74
RAA12-Q13	428	349	14 - 15	<b>0.0205</b>	12.94	0.02	0.27
RAA12-R10	345A	1,282	14 - 15	<b>0.0255</b>	47.48	0.03	1.21
RAA12-R12	344	4,138	14 - 15	<b>0.021</b>	153.25	0.02	3.22
RAA12-R13	435	902	14 - 15	0.045	33.39	0.05	1.50
RAA12-S13	387	2,594	14 - 15	<b>0.021</b>	96.08	0.02	2.02
RAA12-T10	388	271	14 - 15	0.029	10.05	0.03	0.29
<b>Totals:</b>	--	16,035	--	--	593.89	--	15.25
							<b>Volume-Weighted Average:</b> <b>0.03</b>

**TABLE D-15**  
**POST-REMEDIATION CONDITIONS**  
**PARCEL I9-4-203: 0- TO 15-FOOT DEPTH INCREMENT**

**SUPPLEMENT TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**SUMMARY: 0- TO 15-FOOT DEPTH INCREMENT**

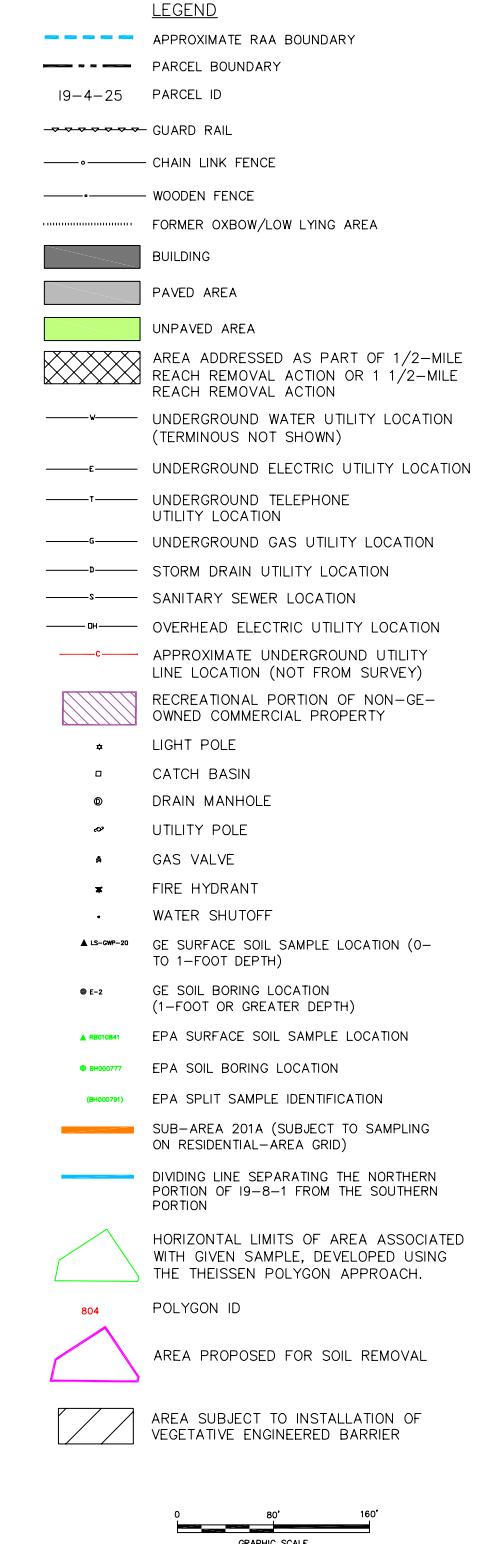
Sample ID(s)	Polygon ID	Polygon Area (sq. ft.)	Sample Depth (ft.)	PCB Conc. (ppm)	Volume (cumulative) (cy)	Average PCB Concentration Per Foot	Average PCB Conc. TIMES Total Volume
<b>Totals:</b>	--	16,035	--	--	8,908.36	--	59,906.38

**Notes:**

1. Polygon ID and area based on information shown on Figures D-8 through D-12.
2. Non-detectable PCBs included as one-half the detection limit in calculations and shown in bold.
3. For instances where a duplicate sample was available, the average of the samples was included in table.
4. All calculations and rounding are performed by the computer software. Therefore, certain quantities in above table are displayed as rounded numbers for table clarity.

## ***Figures***

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GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS  
ADDENDUM TO CONCEPTUAL RD/RA WORK  
PLAN FOR THE LYMAN STREET AREA

**THEISSEN POLYGON MAP  
0- TO 0.5-FOOT DEPTH INTERVAL**



X: 40490X01.DWG  
L: ON=\*, OFF=[REF\*], [EASEMENT, [FL\_,]CHAINLINK,  
[PAVED-BOUND, ISP-MW, BANK-ELEV, PNTS,  
\*CONT\_\*, INDUSTRIAL, REM-1-FOOT,  
REM-2-FOOT, REM-3-FOOT, sym-ap9  
P: PAGESET/PLT-DL  
5/9/05 SYR-85-GMS NJR DMW  
N/40490006/2014/04090G14.DWG

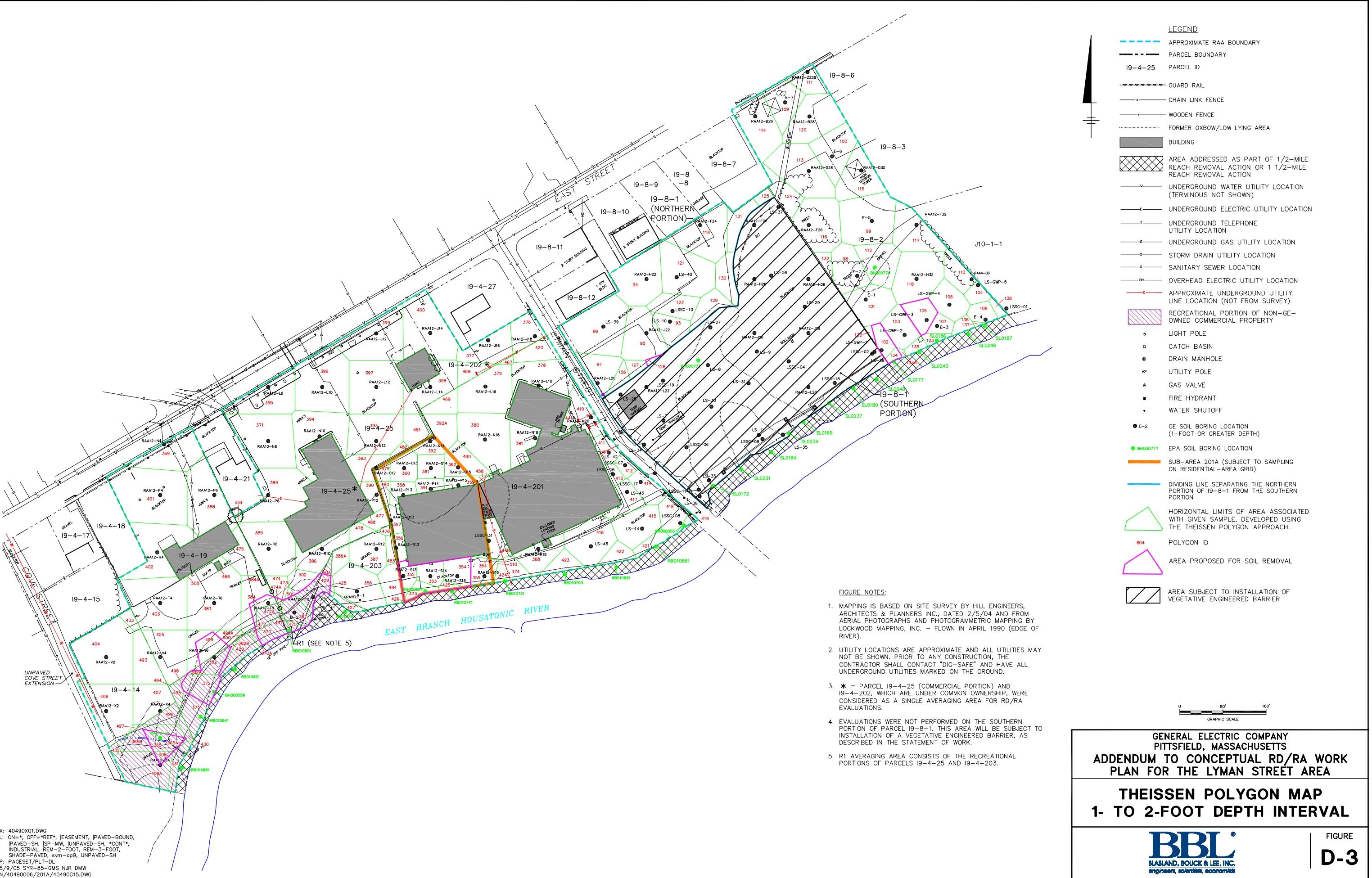
GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS

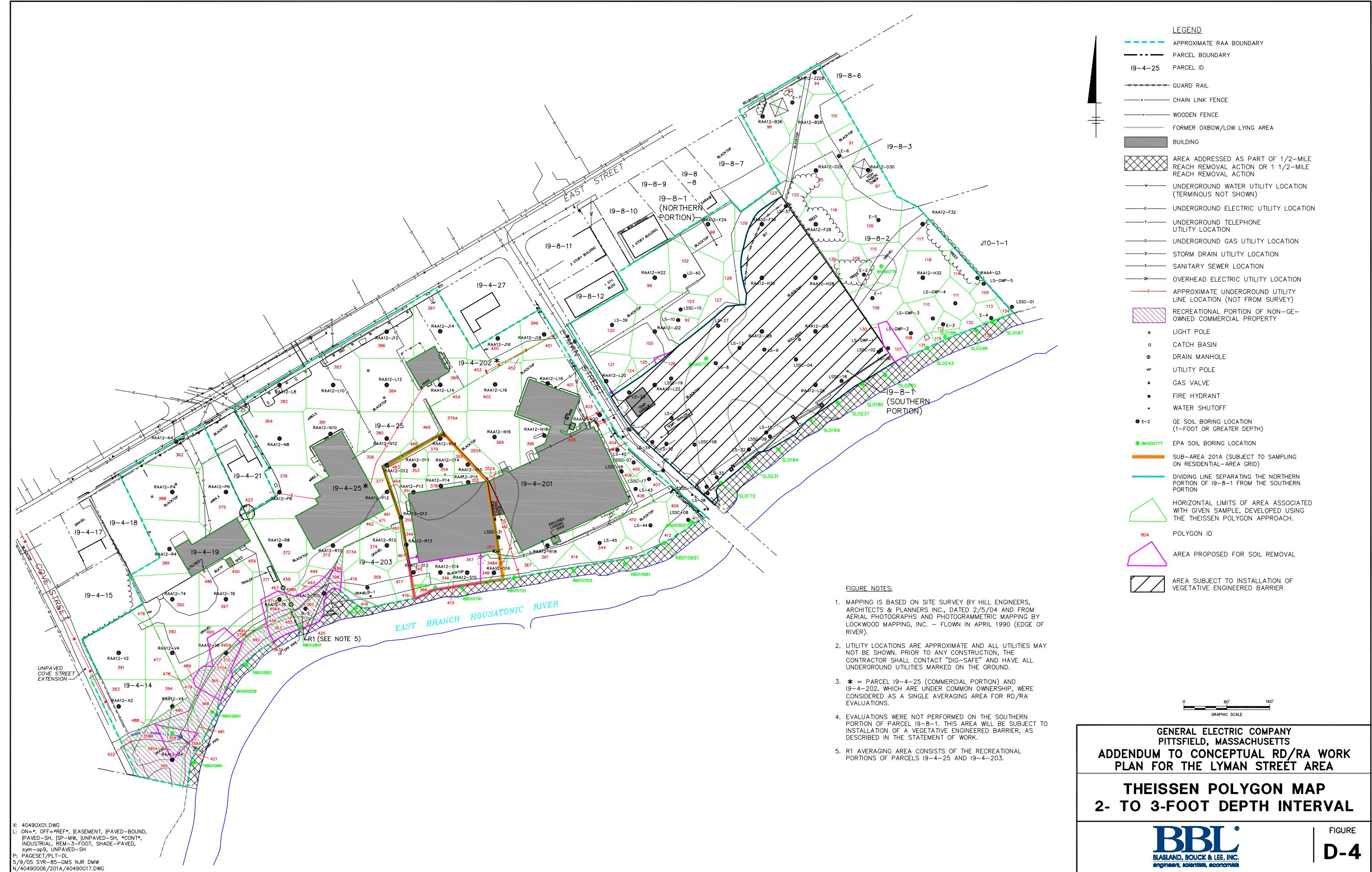
ADDENDUM TO CONCEPTUAL RD/RA WORK  
PLAN FOR THE LYMAN STREET AREA

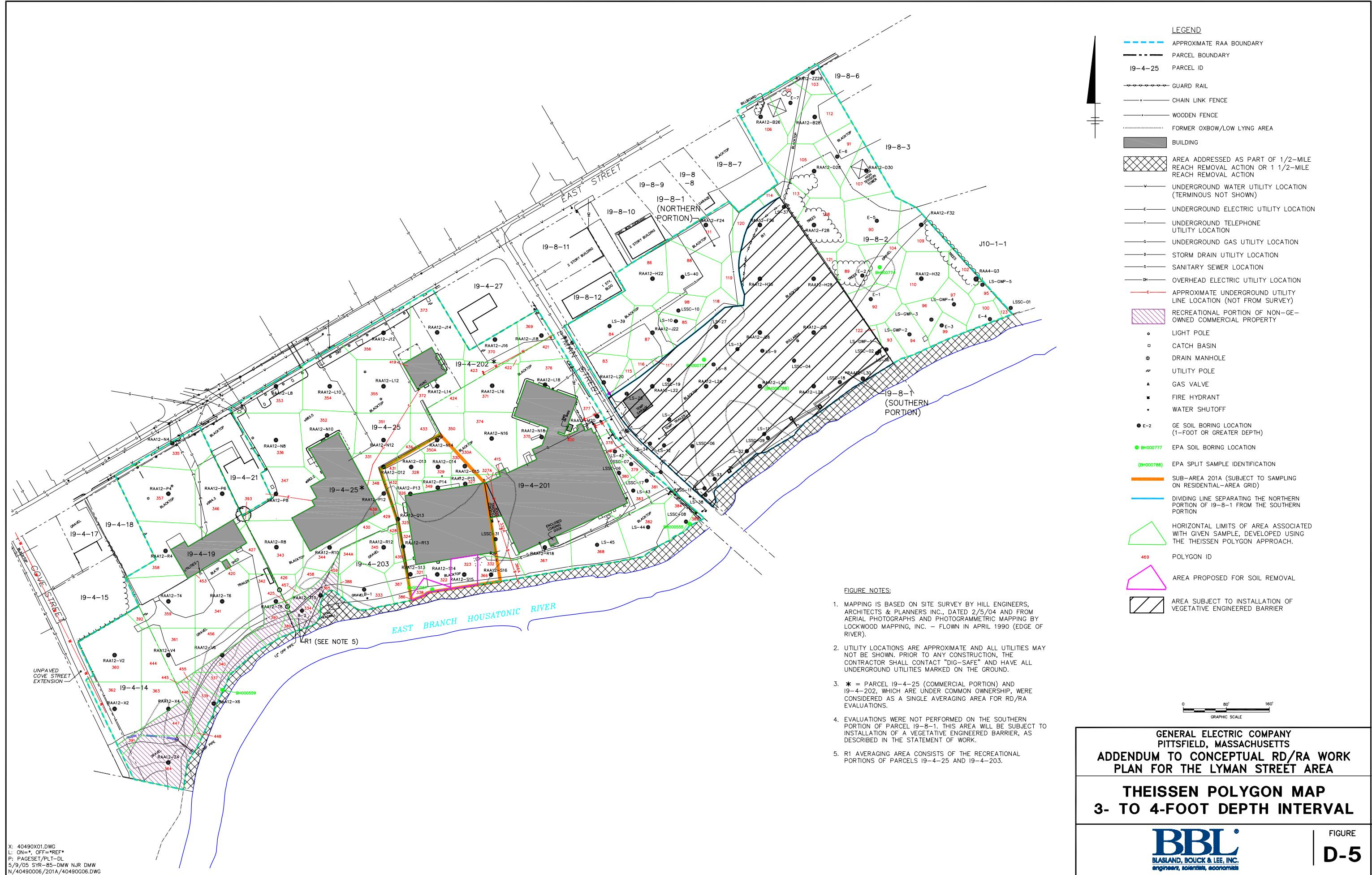
THEISSEN POLYGON MAP  
0.5- TO 1.0-FOOT DEPTH INTERVAL

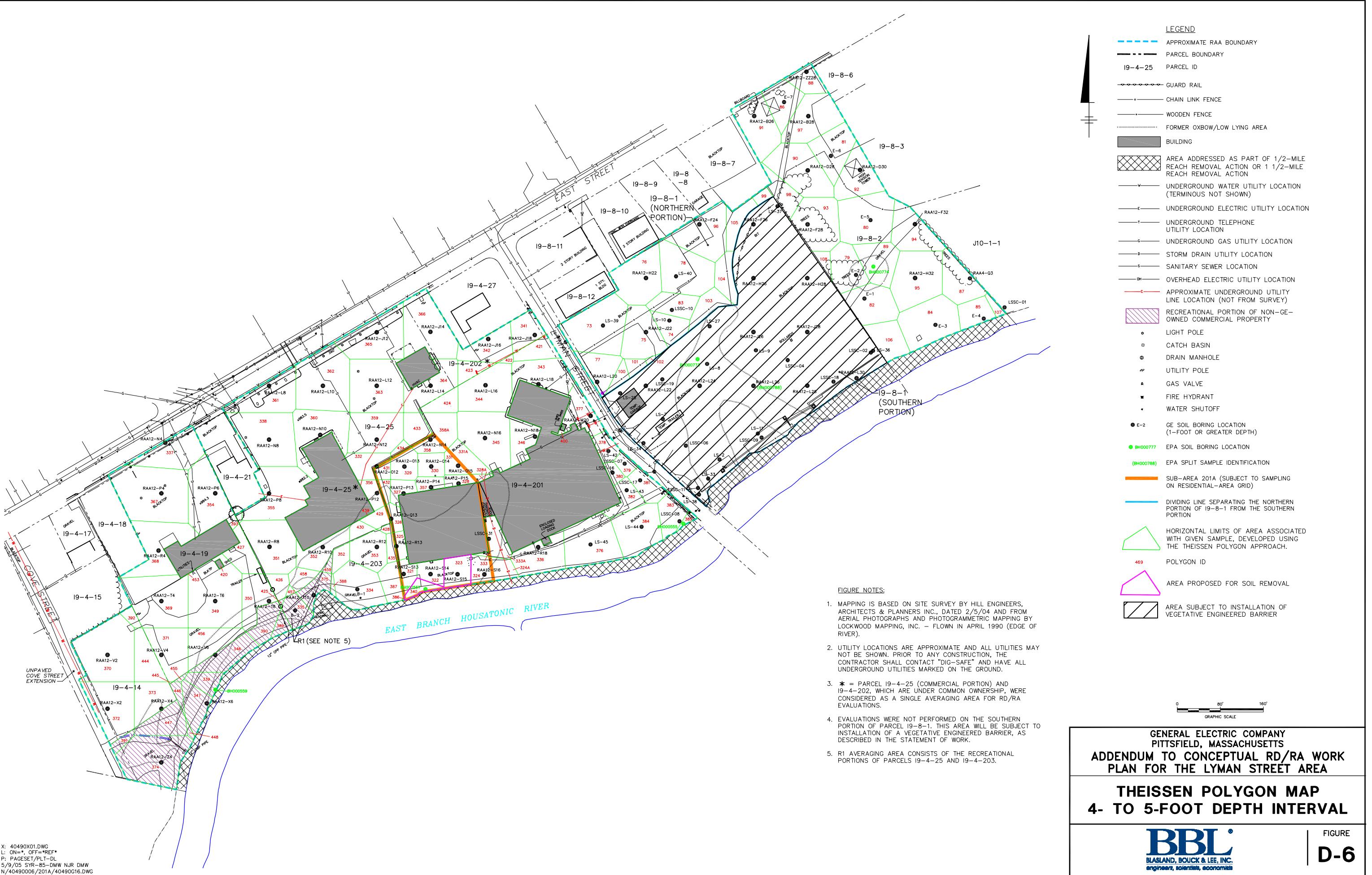
**BBL**  
BLASLAND, BOUCK & LEE, INC.  
engineers, scientists, economists

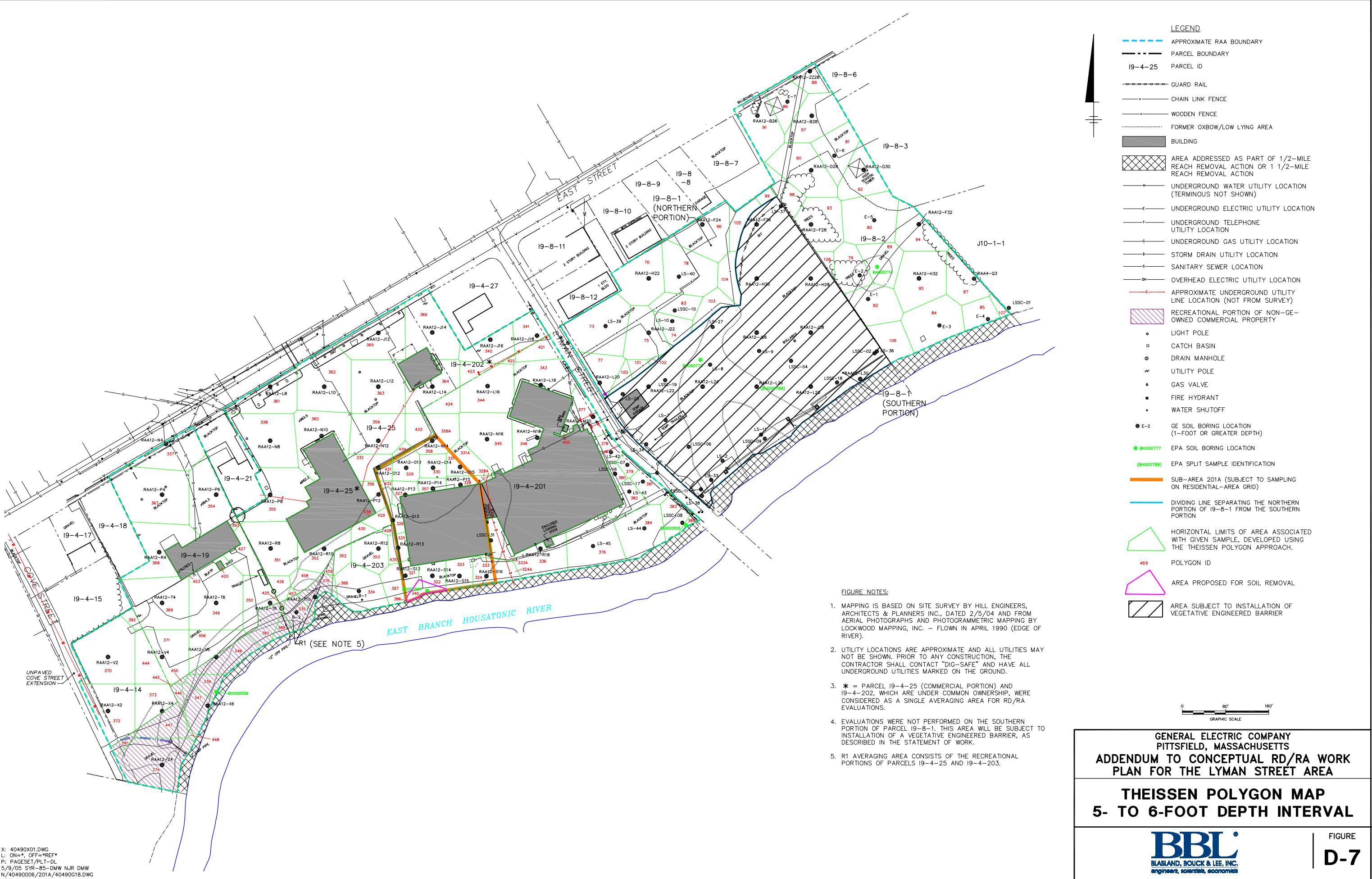
**FIGURE**  
**D-2**

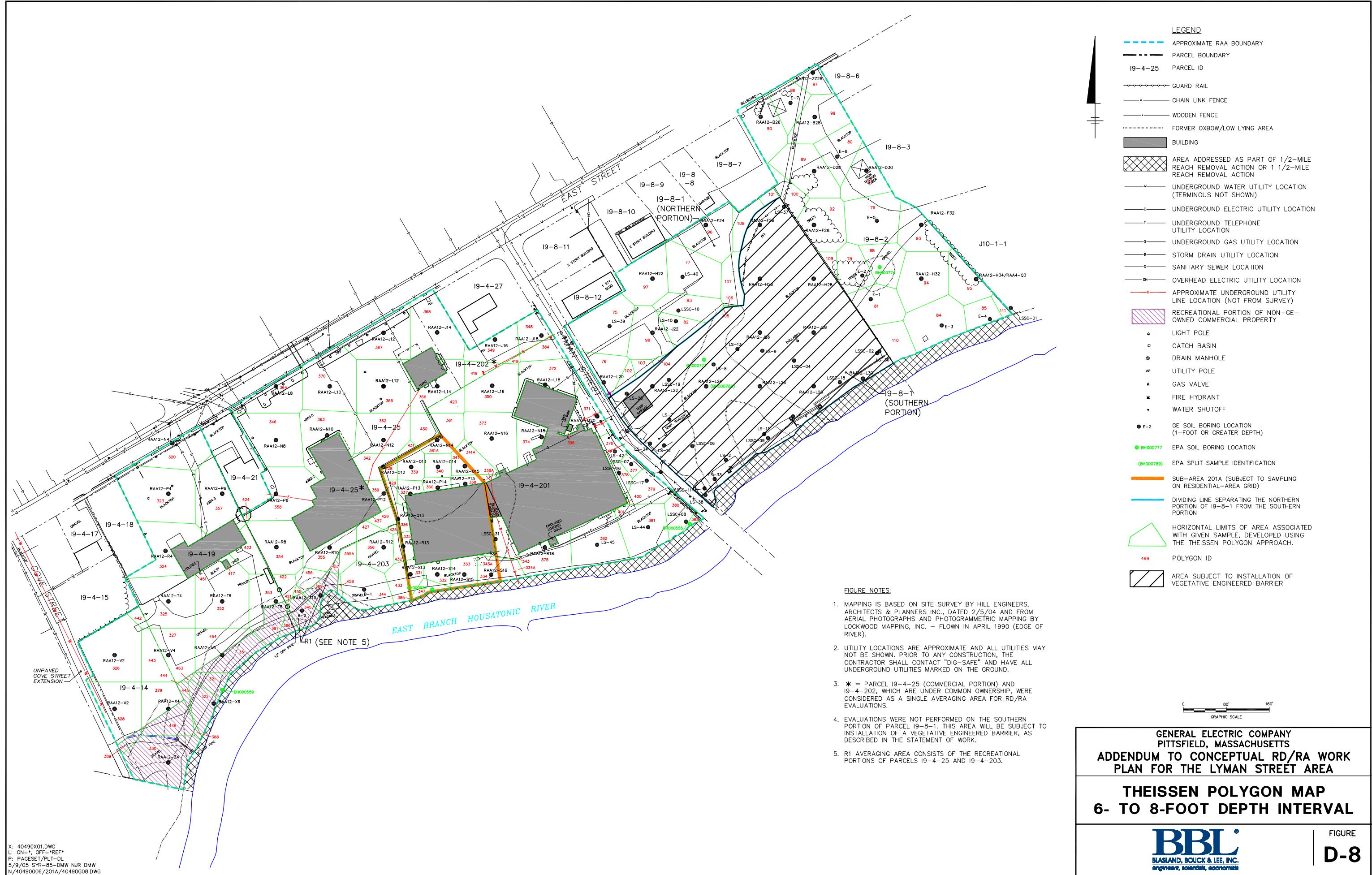


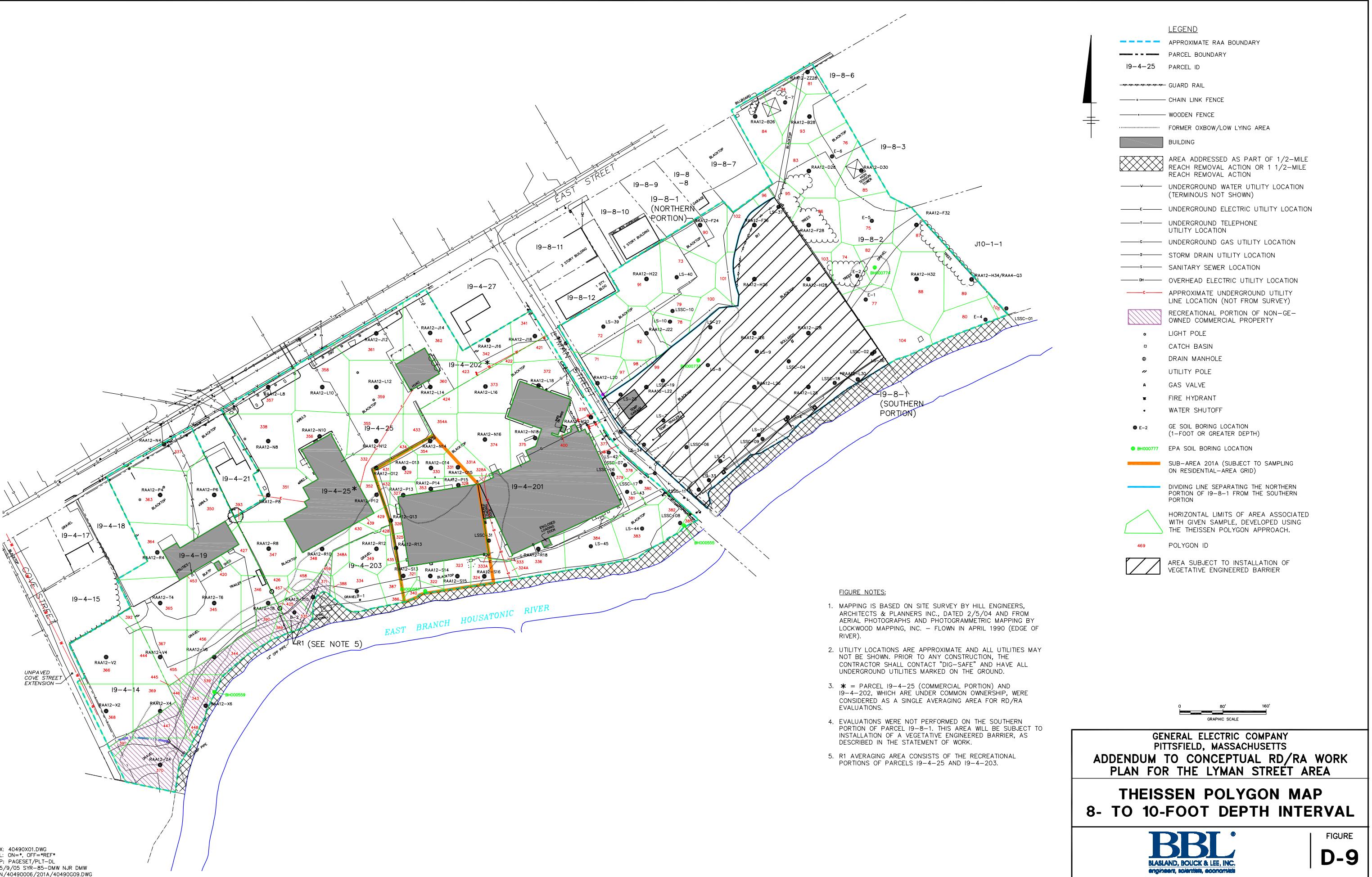


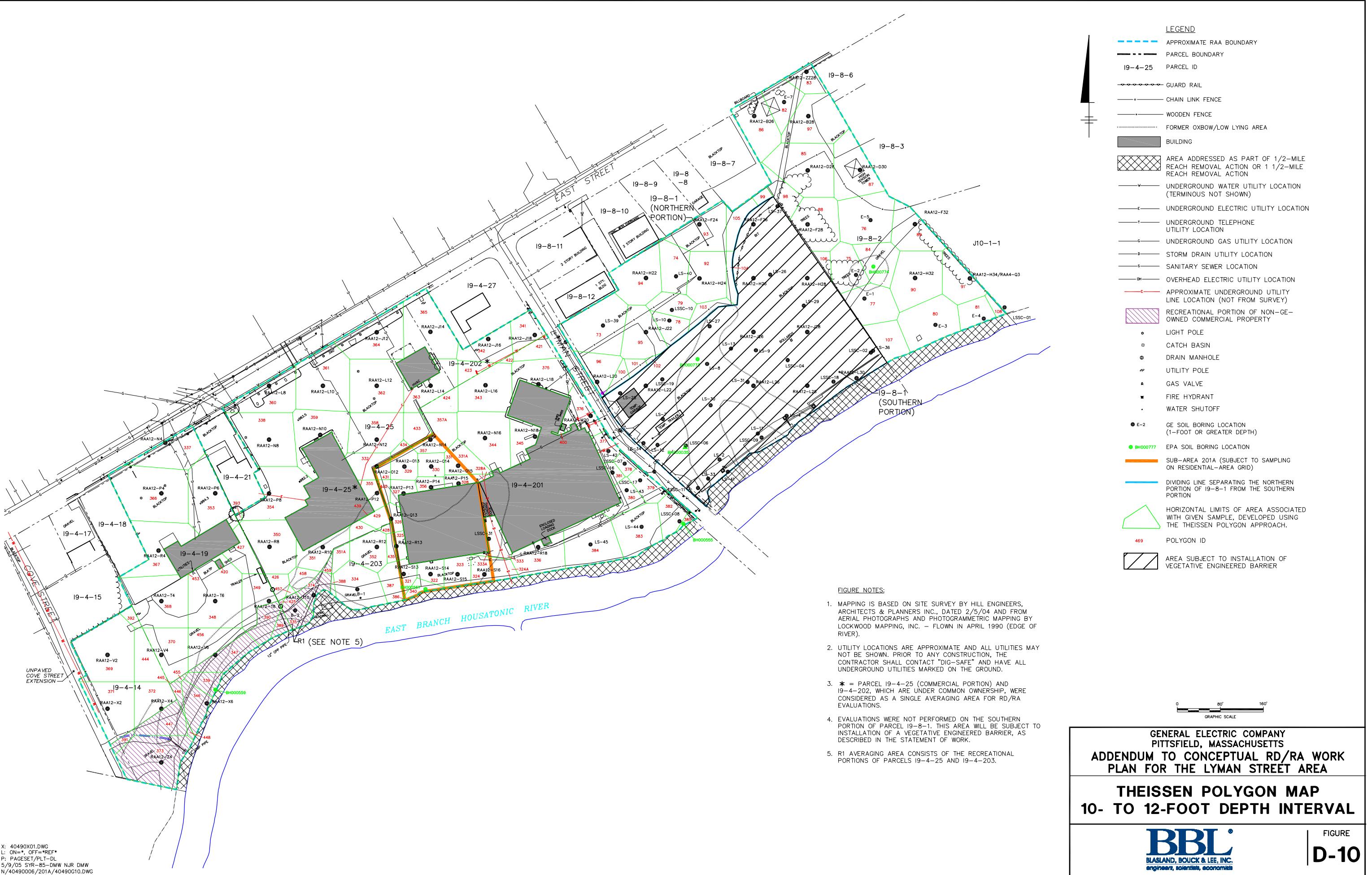


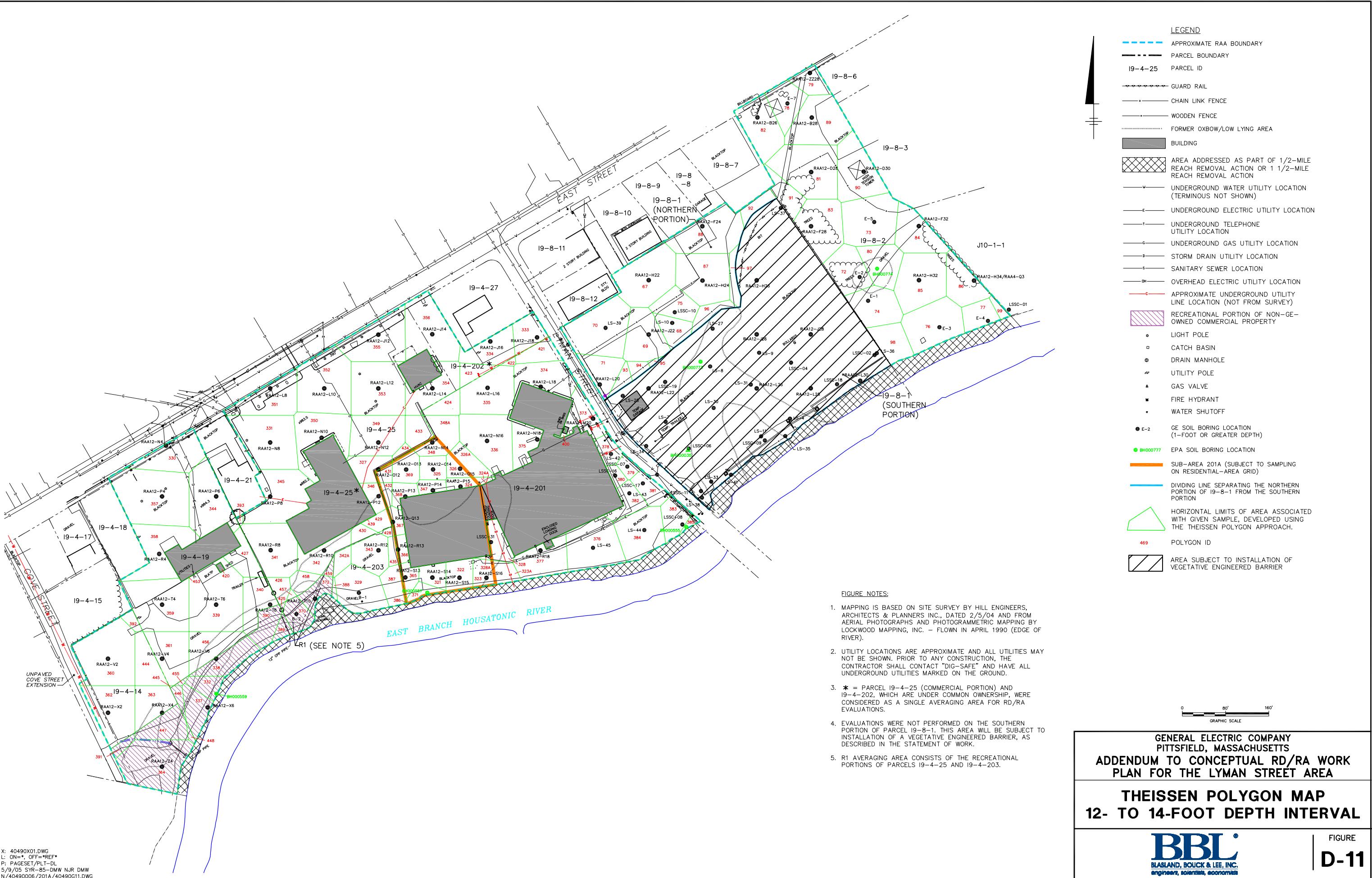


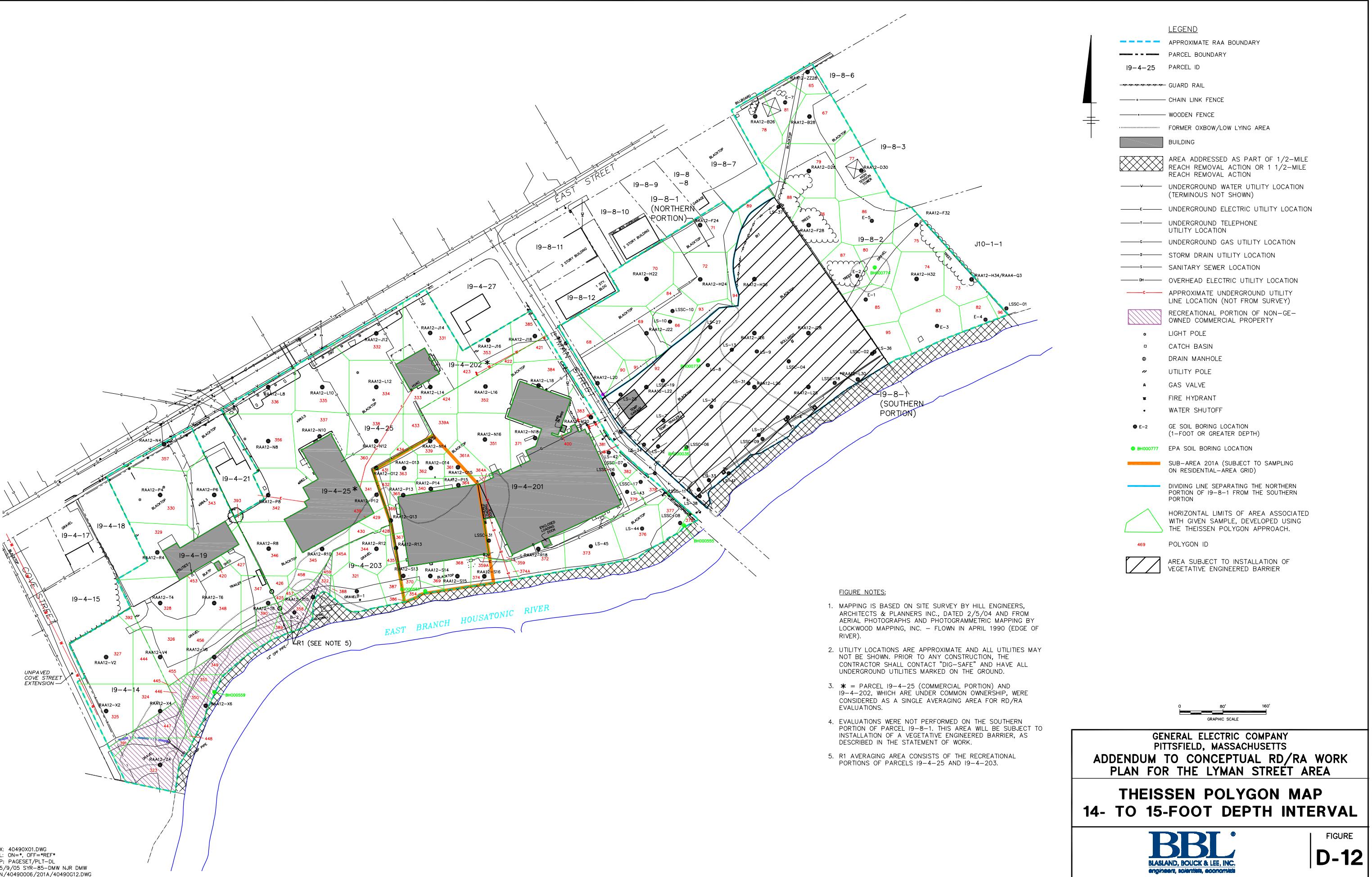












## ***Appendix E***

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### **Non-PCB Appendix IX+3 Evaluation Tables**



## **Appendix E Tables**

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- Table E-1 – Summary of Appendix IX+3 Soil Sample Data – Averaging Area I9-4-201 (Sub-Area 201A)
- Table E-2 – Comparison of Detected Appendix IX+3 Constituents to Residential Screening PRGs – Sub-Area 201A
- Table E-3 – Existing Conditions – Comparison to Method 1 Soil Standards – Sub-Area 201A (0- to 1-Foot Depth Increment)
- Table E-4 – Existing Conditions – Comparison to Method 1 Soil Standards – Sub-Area 201A (1- to 15-Foot Depth Increment)
- Table E-5 – Summary of Appendix IX+3 Soil Sample Data – Averaging Area I9-4-201 (Commercial Portion)
- Table E-6 – Comparison of Detected Appendix IX+3 Constituents to Industrial Screening PRGs – Parcel I9-4-201
- Table E-7 – Existing Conditions – Comparison to Method 1 Soil Standards – Parcel I9-4-201 – Commercial Portion (0- to 1-Foot Depth Increment)
- Table E-8 – Existing Conditions – Comparison to Method 1 Soil Standards – Parcel I9-4-201 – Commercial Portion (0- to 3-Foot Depth Increment)
- Table E-9 – Existing Conditions – Comparison to Method 1 Soil Standards – Parcel I9-4-201 – Commercial Portion (1- to 6-Foot Depth Increment)
- Table E-10 – Existing Conditions – Comparison to Method 1 Soil Standards – Parcel I9-4-201 – Commercial Portion (0- to 15-Foot Depth Increment)
- Table E-11 – Post-Remediation Conditions – Comparison to Method 1 Soil Standards – Parcel I9-4-201 – Commercial Portion (0- to 1-Foot Depth Increment)
- Table E-12 – Post-Remediation Conditions – Comparison to Method 1 Soil Standards – Parcel I9-4-201 – Commercial Portion (0- to 3-Foot Depth Increment)
- Table E-13 – Post-Remediation Conditions – Comparison to Method 1 Soil Standards – Parcel I9-4-201 – Commercial Portion (0- to 15-Foot Depth Increment)
- Table E-14 – Post-Remediation Conditions – Comparison to MCP Upper Concentration Limits (UCLs) – Parcel I9-4-201 – Commercial Portion (0- to 15-Foot Depth Increment)

**TABLE E-1**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (SUB-AREA 201A)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID: Sample ID: Sample Depth(Feet): Parameter Date Collected:	BH000557 OB-BH000557-0-0100 10-15 02/06/02	RAA12-N14 RAA12-N14 0-1 12/04/02	RAA12-NO14 RAA12-NO14 1-3 02/25/05	RAA12-OP13 RAA12-OP13 6-10 02/25/05	RAA12-OP13 RAA12-OP13 8-10 02/25/05
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
1,1,1-Trichloroethane	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
1,1,2,2-Tetrachloroethane	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
1,1,2-Trichloroethane	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
1,1-Dichloroethane	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
1,1-Dichloroethene	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
1,1-Dichloropropene	ND(0.012)	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ND(0.012)	NA	NA	NA	NA
1,2,3-Trichloropropane	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
1,2,4-Trichlorobenzene	ND(0.012)	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ND(0.012)	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	R	ND(0.0057)	ND(0.0064) [ND(0.0062) J]	NA	ND(0.0070) J
1,2-Dibromoethane	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
1,2-Dichlorobenzene	ND(0.012)	NA	NA	NA	NA
1,2-Dichloroethane	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
1,2-Dichloroethene (total)	ND(0.012)	NA	NA	NA	NA
1,2-Dichloropropane	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
1,3,5-Trimethylbenzene	ND(0.012)	NA	NA	NA	NA
1,3-Dichlorobenzene	ND(0.012)	NA	NA	NA	NA
1,3-Dichloropropane	ND(0.012)	NA	NA	NA	NA
1,4-Dichlorobenzene	ND(0.012)	NA	NA	NA	NA
1,4-Dioxane	R	ND(0.11)	ND(0.13) J [ND(0.12) J]	NA	ND(0.14) J
2,2-Dichloropropane	ND(0.012)	NA	NA	NA	NA
2-Butanone	0.0040 J	ND(0.011)	ND(0.013) [ND(0.012)]	NA	ND(0.014) J
2-Chloro-1,3-butadiene	NA	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
2-Chloroethylvinylether	NA	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
2-Chlorotoluene	ND(0.012)	NA	NA	NA	NA
2-Hexanone	ND(0.012)	ND(0.011)	ND(0.013) [ND(0.012)]	NA	ND(0.014) J
3-Chloropropene	NA	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
4-Chlorotoluene	ND(0.012)	NA	NA	NA	NA
4-Methyl-2-pentanone	ND(0.012)	ND(0.011)	ND(0.013) [ND(0.012)]	NA	ND(0.014) J
Acetone	0.50 J	ND(0.023)	ND(0.026) [ND(0.025)]	NA	ND(0.028) J
Acetonitrile	NA	ND(0.11)	ND(0.13) J [ND(0.12) J]	NA	ND(0.14) J
Acrolein	NA	ND(0.11) J	ND(0.13) J [ND(0.12) J]	NA	ND(0.14) J
Acrylonitrile	NA	ND(0.0057) J	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
Benzene	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
Bromobenzene	ND(0.012)	NA	NA	NA	NA
Bromochloromethane	ND(0.012)	NA	NA	NA	NA
Bromodichloromethane	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062) J]	NA	ND(0.0070) J
Bromoform	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
Bromomethane	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062) J]	NA	ND(0.0070) J
Carbon Disulfide	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
Carbon Tetrachloride	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
Chlorobenzene	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
Chloroethane	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
Chloroform	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
Chloromethane	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
cis-1,2-Dichloroethene	ND(0.012)	NA	NA	NA	NA
cis-1,3-Dichloropropene	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
Dibromochloromethane	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062) J]	NA	ND(0.0070) J
Dibromomethane	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
Dichlorodifluoromethane	NA	ND(0.0057)	ND(0.0064) J [ND(0.0062)]	NA	ND(0.0070) J
Ethyl Methacrylate	NA	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
Ethylbenzene	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
Freon 12	ND(0.012)	NA	NA	NA	NA
Hexachlorobutadiene	ND(0.012)	NA	NA	NA	NA
Iodomethane	NA	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
Isobutanol	NA	ND(0.11)	0.033 J [ND(0.12) J]	NA	ND(0.14) J
Isopropylbenzene	ND(0.012)	NA	NA	NA	NA
m&p-Xylene	ND(0.012)	NA	NA	NA	NA
Methacrylonitrile	NA	ND(0.0057)	ND(0.0064) [ND(0.0062) J]	NA	ND(0.0070) J
Methyl Methacrylate	NA	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J

**TABLE E-1**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (SUB-AREA 201A)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID: Sample ID: Sample Depth(Feet):	BH000557 OB-BH000557-0-0100 10-15 02/06/02	RAA12-N14 RAA12-N14 0-1 12/04/02	RAA12-NO14 RAA12-NO14 1-3 02/25/05	RAA12-OP13 RAA12-OP13 6-10 02/25/05	RAA12-OP13 RAA12-OP13 8-10 02/25/05
<b>Volatile Organics (continued)</b>					
Methylene Chloride	ND(0.015)	ND(0.0057)	0.0044 J [ND(0.0062)]	NA	ND(0.0070) J
Naphthalene	ND(0.012)	NA	NA	NA	NA
n-Butylbenzene	ND(0.012)	NA	NA	NA	NA
n-Propylbenzene	ND(0.012)	NA	NA	NA	NA
o-Xylene	ND(0.012)	NA	NA	NA	NA
p-Isopropyltoluene	ND(0.012)	NA	NA	NA	NA
Propionitrile	NA	ND(0.011)	ND(0.013) J [ND(0.012) J]	NA	ND(0.014) J
sec-Butylbenzene	ND(0.012)	NA	NA	NA	NA
Styrene	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
tert-Butylbenzene	ND(0.012)	NA	NA	NA	NA
Tetrachloroethene	ND(0.012) J	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
Tetrahydrofuran	R	NA	NA	NA	NA
Toluene	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
trans-1,2-Dichloroethene	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
trans-1,3-Dichloropropene	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
trans-1,4-Dichloro-2-butene	NA	ND(0.0057)	ND(0.0064) J [ND(0.0062)]	NA	ND(0.0070) J
Trichloroethene	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062)]	NA	ND(0.0070) J
Trichlorofluoromethane	ND(0.012)	ND(0.0057)	ND(0.0064) J [ND(0.0062)]	NA	ND(0.0070) J
Vinyl Acetate	NA	ND(0.0057)	ND(0.0064) [ND(0.0062) J]	NA	ND(0.0070) J
Vinyl Chloride	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062) J]	NA	ND(0.0070) J
Xylenes (total)	ND(0.012)	ND(0.0057)	ND(0.0064) [ND(0.0062) J]	NA	ND(0.0070) J
<b>Semivolatile Organics</b>					
1,2,4,5-Tetrachlorobenzene	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
1,2,4-Trichlorobenzene	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
1,2-Dichlorobenzene	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
1,2-Diphenylhydrazine	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
1,3,5-Trinitrobenzene	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
1,3-Dichlorobenzene	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
1,3-Dinitrobenzene	NA	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA
1,4-Dichlorobenzene	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
1,4-Naphthoquinone	NA	ND(0.77)	ND(0.86) J [ND(0.83) J]	ND(0.99)	NA
1-Naphthylamine	NA	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA
2,3,4,6-Tetrachlorophenol	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
2,4,5-Trichlorophenol	ND(2.3)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
2,4,6-Trichlorophenol	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
2,4-Dichlorophenol	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
2,4-Dimethylphenol	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
2,4-Dinitrophenol	ND(2.3) J	ND(3.8) J	ND(2.2) J [ND(2.1)]	ND(2.5) J	NA
2,4-Dinitrotoluene	ND(0.90) J	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
2,6-Dichlorophenol	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
2,6-Dinitrotoluene	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
2-Acetylaminofluorene	NA	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA
2-Chloronaphthalene	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
2-Chlorophenol	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
2-Methylnaphthalene	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
2-Methylphenol	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
2-Naphthylamine	NA	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA
2-Nitroaniline	ND(2.3)	ND(3.8)	ND(2.2) J [ND(2.1)]	ND(2.5) J	NA
2-Nitrophenol	ND(0.90)	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA
2-Picoline	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
3&4-Methylphenol	NA	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA
3,3'-Dichlorobenzidine	ND(0.90)	ND(1.5)	ND(0.86) [ND(0.83)]	ND(0.99)	NA
3,3'-Dimethylbenzidine	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
3-Methylcholanthrene	NA	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA
3-Nitroaniline	ND(2.3)	ND(3.8)	ND(2.2) J [ND(2.1)]	ND(2.5) J	NA
4,6-Dinitro-2-methylphenol	ND(2.3)	ND(0.76)	ND(0.43) J [ND(0.41)]	ND(0.49)	NA
4-Aminobiphenyl	NA	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA
4-Bromophenyl-phenylether	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
4-Chloro-3-Methylphenol	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
4-Chloroaniline	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
4-Chlorobenzilate	NA	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA
4-Chlorophenyl-phenylether	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA

**TABLE E-1**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (SUB-AREA 201A)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID: Sample ID: Sample Depth(Feet): Parameter Date Collected:	BH000557 OB-BH000557-0-0100 10-15 02/06/02	RAA12-N14 RAA12-N14 0-1 12/04/02	RAA12-NO14 RAA12-NO14 1-3 02/25/05	RAA12-OP13 RAA12-OP13 6-10 02/25/05	RAA12-OP13 RAA12-OP13 8-10 02/25/05
<b>Semivolatile Organics (continued)</b>					
4-Methylphenol	ND(0.90)	NA	NA	NA	NA
4-Nitroaniline	ND(2.3)	ND(2.0)	ND(2.2) [ND(2.1)]	ND(2.5)	NA
4-Nitrophenol	ND(2.3)	ND(3.8) J	ND(2.2) [ND(2.1)]	ND(2.5)	NA
4-Nitroquinoline-1-oxide	NA	ND(0.77)	ND(0.86) J [ND(0.83) J]	ND(0.99) J	NA
4-Phenylenediamine	NA	ND(0.77) J	ND(0.86) [ND(0.83)]	ND(0.99)	NA
5-Nitro-o-toluidine	NA	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA
7,12-Dimethylbenz(a)anthracene	NA	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA
a,a'-Dimethylphenethylamine	NA	ND(0.77)	ND(0.86) J [ND(0.83) J]	ND(0.99) J	NA
Acenaphthene	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	0.079 J	NA
Acenaphthylene	0.30 J	0.22 J	0.24 J [0.13 J]	ND(0.49)	NA
Acetophenone	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Aniline	NA	ND(0.76)	ND(0.43) J [ND(0.41) J]	ND(0.49) J	NA
Anthracene	0.18 J	0.22 J	0.15 J [0.094 J]	0.16 J	NA
Aramite	NA	ND(0.77) J	ND(0.86) [ND(0.83)]	ND(0.99)	NA
Benzidine	NA	ND(1.5) J	ND(0.86) J [ND(0.83) J]	ND(0.99) J	NA
Benzo(a)anthracene	0.52 J	0.68 J	0.65 [0.61]	1.0	NA
Benzo(a)pyrene	0.82 J	0.76	0.68 [0.76]	0.84	NA
Benzo(b)fluoranthene	0.45 J	0.78	0.52 [0.52]	0.92	NA
Benzo(g,h,i)perylene	0.21 J	0.52 J	0.45 [0.44]	0.52	NA
Benzo(k)fluoranthene	0.46 J	0.26 J	0.62 [0.70]	0.89	NA
Benzyl Alcohol	NA	ND(1.5)	ND(0.86) [ND(0.83)]	ND(0.99)	NA
bis(2-Chloroethoxy)methane	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
bis(2-Chloroethyl)ether	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
bis(2-Chloroisopropyl)ether	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
bis(2-Ethylhexyl)adipate	ND(0.90)	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	4.5	ND(0.38)	ND(0.42) [ND(0.41)]	ND(0.49)	NA
Butylbenzylphthalate	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Carbazole	ND(0.90)	NA	NA	NA	NA
Chrysene	0.57 J	0.55 J	0.75 [0.71]	1.2	NA
Diallate	NA	ND(0.77) J	ND(0.86) [ND(0.83)]	ND(0.99)	NA
Dibenzo(a,h)anthracene	ND(0.90)	ND(0.76)	0.067 J [0.11 J]	0.15 J	NA
Dibenzofuran	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Diethylphthalate	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Dimethoate	NA	NA	NA	NA	NA
Dimethylphthalate	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Di-n-Butylphthalate	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Di-n-Octylphthalate	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Dinoseb	NA	NA	NA	NA	NA
Diphenylamine	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Disulfoton	NA	NA	NA	NA	NA
Ethyl Methanesulfonate	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Ethyl Parathion	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA
Fluoranthene	0.67 J	1.1	1.0 [1.0]	1.6	NA
Fluorene	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Hexachlorobenzene	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Hexachlorobutadiene	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Hexachlorocyclopentadiene	ND(0.90)	ND(0.76)	ND(0.43) J [ND(0.41) J]	ND(0.49) J	NA
Hexachloroethane	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Hexachlorophene	NA	ND(1.5) J	ND(0.86) J [ND(0.83) J]	ND(0.99) J	NA
Hexachloropropene	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Indeno(1,2,3-cd)pyrene	0.35 J	0.49 J	0.35 J [0.35 J]	0.45 J	NA
Isodrin	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Isophorone	ND(0.90)	ND(0.76)	ND(0.43) J [ND(0.41) J]	ND(0.49)	NA
Isosafrole	NA	ND(0.77)	ND(0.86) J [ND(0.83) J]	ND(0.99)	NA
Kepone	NA	NA	NA	NA	NA
Methapyrilene	NA	ND(0.77)	ND(0.86) J [ND(0.83) J]	ND(0.99) J	NA
Methyl Methanesulfonate	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Methyl Parathion	NA	NA	NA	NA	NA
Naphthalene	ND(0.90)	0.30 J	ND(0.43) [ND(0.41)]	ND(0.49)	NA
Nitrobenzene	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA
N-Nitrosodiethylamine	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA

**TABLE E-1**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (SUB-AREA 201A)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	BH000557 OB-BH000557-0-0100 10-15 02/06/02	RAA12-N14 RAA12-N14 0-1 12/04/02	RAA12-NO14 RAA12-NO14 1-3 02/25/05	RAA12-OP13 RAA12-OP13 6-10 02/25/05	RAA12-OP13 RAA12-OP13 8-10 02/25/05
<b>Semivolatile Organics (continued)</b>						
N-Nitrosodimethylamine	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
N-Nitroso-di-n-butylamine	NA	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
N-Nitroso-di-n-propylamine	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
N-Nitrosodiphenylamine	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
N-Nitrosomethylethylamine	NA	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
N-Nitrosomorpholine	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
N-Nitrosopiperidine	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
N-Nitrosopyrrolidine	NA	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
o,o,o-Triethylphosphorothioate	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
o-Toluidine	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
p-Dimethylaminoazobenzene	NA	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
Pentachlorobenzene	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Pentachloroethane	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Pentachloronitrobenzene	NA	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
Pentachlorophenol	ND(2.3)	ND(3.8)	ND(2.2) [ND(2.1)]	ND(2.5)	NA	
Phenacetin	NA	ND(0.77)	ND(0.86) [ND(0.83)]	ND(0.99)	NA	
Phenanthrene	0.43 J	0.61 J	0.37 J [0.28 J]	0.84	NA	
Phenol	ND(0.90)	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Phorate	NA	NA	NA	NA	NA	
Pronamide	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Pyrene	0.72 J	1.2	1.2 [1.2]	1.6	NA	
Pyridine	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
Safrole	NA	ND(0.76)	ND(0.43) J [ND(0.41) J]	ND(0.49) J	NA	
Sulfotep	NA	NA	NA	NA	NA	
Thionazin	NA	ND(0.76)	ND(0.43) [ND(0.41)]	ND(0.49)	NA	
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	
4,4'-DDE	NA	NA	NA	NA	NA	
4,4'-DDT	NA	NA	NA	NA	NA	
Aldrin	NA	NA	NA	NA	NA	
Alpha-BHC	NA	NA	NA	NA	NA	
Alpha-Chlordane	NA	NA	NA	NA	NA	
Beta-BHC	NA	NA	NA	NA	NA	
Delta-BHC	NA	NA	NA	NA	NA	
Dieldrin	NA	NA	NA	NA	NA	
Endosulfan I	NA	NA	NA	NA	NA	
Endosulfan II	NA	NA	NA	NA	NA	
Endosulfan Sulfate	NA	NA	NA	NA	NA	
Endrin	NA	NA	NA	NA	NA	
Endrin Aldehyde	NA	NA	NA	NA	NA	
Endrin Ketone	NA	NA	NA	NA	NA	
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	
Gamma-Chlordane	NA	NA	NA	NA	NA	
Heptachlor	NA	NA	NA	NA	NA	
Heptachlor Epoxide	NA	NA	NA	NA	NA	
Methoxychlor	NA	NA	NA	NA	NA	
Technical Chlordane	NA	NA	NA	NA	NA	
Toxaphene	NA	NA	NA	NA	NA	
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	
2,4,5-TP	NA	NA	NA	NA	NA	
2,4-D	NA	NA	NA	NA	NA	

**TABLE E-1**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (SUB-AREA 201A)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID: Sample ID: Sample Depth(Feet): Parameter	BH000557 OB-BH000557-0-0100 10-15 02/06/02	RAA12-N14 RAA12-N14 0-1 12/04/02	RAA12-NO14 RAA12-NO14 1-3 02/25/05	RAA12-OP13 RAA12-OP13 6-10 02/25/05	RAA12-OP13 RAA12-OP13 8-10 02/25/05
<b>Furans</b>					
2,3,7,8-TCDF	0.0000013	0.0000088 J	0.0000024 J [0.0000044 J]	0.0000024 Y	NA
TCDFs (total)	0.000012	0.000097	0.000015 J [0.000029 J]	0.000040	NA
1,2,3,7,8-PeCDF	0.0000015 J	0.0000064 J	ND(0.0000011) [ND(0.0000018)]	ND(0.0000023)	NA
2,3,4,7,8-PeCDF	0.0000087	0.000012 J	ND(0.0000015) [ND(0.0000024)]	0.0000038 J	NA
PeCDFs (total)	0.000046	0.00011	0.0000056 J [0.000015 J]	0.000021	NA
1,2,3,4,7,8-HxCDF	0.000054	0.0000097 J	ND(0.0000021) [ND(0.0000029)]	ND(0.0000030)	NA
1,2,3,6,7,8-HxCDF	0.000027	0.0000081 J	ND(0.0000016) [ND(0.0000029)]	ND(0.0000030)	NA
1,2,3,7,8,9-HxCDF	0.0000098	0.0000036 J	ND(0.0000023) [ND(0.0000019)]	ND(0.0000020)	NA
2,3,4,6,7,8-HxCDF	0.000015	0.0000097 J	ND(0.0000011) [ND(0.0000014)]	0.0000036 J	NA
HxCDFs (total)	0.00018	0.000092	0.0000047 J [0.000011 J]	0.000016	NA
1,2,3,4,6,7,8-HpCDF	0.000040	0.000024 J	0.0000042 J [0.0000056 J]	0.000011	NA
1,2,3,4,7,8,9-HpCDF	0.000027	0.000030 J	ND(0.00000052) [ND(0.00000097)]	ND(0.00000067)	NA
HpCDFs (total)	0.00011	0.000054	0.0000042 [0.0000056]	0.000011	NA
OCDF	0.00011	0.000042	ND(0.0000034) [ND(0.0000054)]	ND(0.0000035)	NA
<b>Dioxins</b>					
2,3,7,8-TCDD	0.00000016	ND(0.00000018) X	ND(0.00000010) [ND(0.00000012)]	ND(0.00000035)	NA
TCDDs (total)	0.00000037	0.000010	ND(0.00000033) [ND(0.00000048)]	0.0000011	NA
1,2,3,7,8-PeCDD	0.00000026 J	ND(0.00000035) X	ND(0.00000030) [ND(0.00000049)]	ND(0.00000043)	NA
PeCDDs (total)	ND(0.00000021)	0.000012	ND(0.00000063) [ND(0.00000049)]	ND(0.0000022)	NA
1,2,3,4,7,8-HxCDD	0.00000019 J	0.0000040 J	ND(0.00000034) [ND(0.00000019)]	ND(0.00000061)	NA
1,2,3,6,7,8-HxCDD	0.00000028 J	0.0000069 J	ND(0.00000027) [ND(0.00000044)]	ND(0.00000090)	NA
1,2,3,7,8,9-HxCDD	0.00000030 J	0.0000051 J	ND(0.00000047) [ND(0.00000072)]	ND(0.0000017)	NA
HxCDDs (total)	0.0000015	0.000052	ND(0.0000012) [ND(0.0000018)]	0.0000042	NA
1,2,3,4,6,7,8-HpCDD	ND(0.00000011)	0.000056	ND(0.0000020) [ND(0.0000024)]	0.0000038 J	NA
HpCDDs (total)	ND(0.00000019)	0.00013	ND(0.0000020) [ND(0.0000024)]	0.0000079	NA
OCDD	ND(0.00000048)	0.00036	0.0000091 J [0.000014]	0.0000096 J	NA
Total TEQs (WHO TEFs)	0.000016	0.000015	0.0000012 [0.0000019]	0.0000036	NA
<b>Inorganics</b>					
Antimony	ND(0.250)	1.00 B	1.20 B [3.20 B]	2.00 B	NA
Arsenic	ND(5.00)	6.10 J	10.0 [9.60]	15.0	NA
Barium	19.9	52.0 J	69.0 [72.0]	95.0	NA
Beryllium	ND(0.250)	ND(0.50)	0.390 B [0.340 B]	0.490 B	NA
Cadmium	0.180	0.690	ND(0.500) [ND(0.500)]	0.830	NA
Chromium	8.00	10.0 J	14.0 [14.0]	20.0	NA
Cobalt	5.50	7.30	11.0 [10.0]	12.0	NA
Copper	19.2	51.0	54.0 J [53.0 J]	120 J	NA
Cyanide	NA	0.120	0.100 B [0.110 B]	0.460	NA
Lead	20.0 J	120 J	120 J [110 J]	380 J	NA
Mercury	0.0680	0.960	0.460 J [0.330 J]	0.700 J	NA
Nickel	9.90	15.0	20.0 [19.0]	24.0	NA
Selenium	ND(10.0)	ND(1.00) J	0.990 J [1.80 J]	3.70	NA
Silver	ND(0.100)	0.340 B	ND(1.00) [0.220 B]	0.180 B	NA
Sulfide	NA	32.0	34.0 J [18.0 J]	130 J	NA
Thallium	ND(0.100)	ND(1.10) J	ND(1.30) [ND(1.20)]	1.20 B	NA
Tin	NA	6.10 B	16.0 [ND(13.0)]	30.0	NA
Vanadium	5.80	11.0	17.0 [16.0]	26.0	NA
Zinc	46.2	160 J	120 J [120 J]	480 J	NA

**TABLE E-1**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (SUB-AREA 201A)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID: Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA12-Q13 0-1 12/05/02	RAA12-R13 0-1 12/09/02	RAA12-S14 0-1 08/06/02	RAA12-S14 3-6 08/06/02	RAA12-S14 4-6 08/06/02
<b>Volatile Organics</b>					
1,1,1,2-Tetrachloroethane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
1,1,1-Trichloroethane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
1,1,2,2-Tetrachloroethane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
1,1,2-Trichloroethane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
1,1-Dichloroethane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
1,1-Dichloroethene	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
1,1-Dichloropropene	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
1,2-Dibromoethane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
1,2-Dichlorobenzene	NA	NA	NA	NA	NA
1,2-Dichloroethane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
1,2-Dichloroethene (total)	NA	NA	NA	NA	NA
1,2-Dichloropropane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA
1,3-Dichloropropane	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA
1,4-Dioxane	ND(0.11)	ND(0.11) J	ND(0.12) J [ND(0.11) J]	NA	ND(0.11) J
2,2-Dichloropropane	NA	NA	NA	NA	NA
2-Butanone	ND(0.011)	ND(0.011)	ND(0.012) [ND(0.011)]	NA	ND(0.011)
2-Chloro-1,3-butadiene	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
2-Chloroethylvinylether	ND(0.0053)	ND(0.0053)	ND(0.0058) J [ND(0.0057) J]	NA	ND(0.0054) J
2-Chlorotoluene	NA	NA	NA	NA	NA
2-Hexanone	ND(0.011)	ND(0.011)	ND(0.012) [ND(0.011)]	NA	ND(0.011)
3-Chloropropene	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
4-Chlorotoluene	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	ND(0.011)	ND(0.011)	ND(0.012) [ND(0.011)]	NA	ND(0.011)
Acetone	ND(0.021)	ND(0.021)	ND(0.023) [ND(0.023)]	NA	0.034
Acetonitrile	ND(0.11)	ND(0.11)	ND(0.12) [ND(0.11)]	NA	ND(0.11)
Acrolein	ND(0.11) J	ND(0.11) J	ND(0.12) J [ND(0.11) J]	NA	ND(0.11) J
Acrylonitrile	ND(0.0053) J	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Benzene	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Bromobenzene	NA	NA	NA	NA	NA
Bromochloromethane	NA	NA	NA	NA	NA
Bromodichloromethane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Bromoform	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Bromomethane	ND(0.0053)	ND(0.0053)	ND(0.0058) J [ND(0.0057) J]	NA	ND(0.0054) J
Carbon Disulfide	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Carbon Tetrachloride	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Chlorobenzene	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Chloroethane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Chloroform	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Chloromethane	ND(0.0053)	ND(0.0053) J	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Dibromochloromethane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Dibromomethane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Dichlorodifluoromethane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Ethyl Methacrylate	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Ethylbenzene	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Freon 12	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA
Iodomethane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Isobutanol	ND(0.11)	ND(0.11) J	ND(0.12) [ND(0.11)]	NA	ND(0.11)
Isopropylbenzene	NA	NA	NA	NA	NA
m&p-Xylene	NA	NA	NA	NA	NA
Methacrylonitrile	ND(0.0053)	ND(0.0053) J	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Methyl Methacrylate	ND(0.0053)	ND(0.0053) J	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)

**TABLE E-1**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (SUB-AREA 201A)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID: Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA12-Q13 RAA12-Q13 0-1 12/05/02	RAA12-R13 RAA12-R13 0-1 12/09/02	RAA12-S14 RAA12-S14 0-1 08/06/02	RAA12-S14 RAA12-S14 3-6 08/06/02	RAA12-S14 RAA12-S14 4-6 08/06/02
<b>Volatile Organics (continued)</b>					
Methylene Chloride	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Naphthalene	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA
Propionitrile	ND(0.011)	ND(0.011)	ND(0.012) [ND(0.011)]	NA	ND(0.011)
sec-Butylbenzene	NA	NA	NA	NA	NA
Styrene	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
tert-Butylbenzene	NA	NA	NA	NA	NA
Tetrachloroethene	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Tetrahydrofuran	NA	NA	NA	NA	NA
Toluene	0.0095	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
trans-1,2-Dichloroethene	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
trans-1,3-Dichloropropene	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
trans-1,4-Dichloro-2-butene	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Trichloroethene	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Trichlorofluoromethane	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Vinyl Acetate	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Vinyl Chloride	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
Xylenes (total)	ND(0.0053)	ND(0.0053)	ND(0.0058) [ND(0.0057)]	NA	ND(0.0054)
<b>Semivolatile Organics</b>					
1,2,4,5-Tetrachlorobenzene	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
1,2,4-Trichlorobenzene	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
1,2-Dichlorobenzene	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
1,2-Diphenylhydrazine	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
1,3,5-Trinitrobenzene	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
1,3-Dichlorobenzene	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
1,3-Dinitrobenzene	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA
1,4-Dichlorobenzene	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
1,4-Naphthoquinone	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA
1-Naphthylamine	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA
2,3,4,6-Tetrachlorophenol	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
2,4,5-Trichlorophenol	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
2,4,6-Trichlorophenol	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
2,4-Dichlorophenol	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
2,4-Dimethylphenol	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
2,4-Dinitrophenol	ND(2.1)	ND(1.8) J	ND(2.0) [ND(1.9)]	ND(1.8)	NA
2,4-Dinitrotoluene	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
2,6-Dichlorophenol	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
2,6-Dinitrotoluene	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
2-Acetylaminofluorene	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA
2-Chloronaphthalene	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
2-Chlorophenol	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
2-Methylnaphthalene	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	0.084 J	NA
2-Methylphenol	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
2-Naphthylamine	ND(0.71)	ND(0.71)	ND(0.78) J [ND(0.77) J]	ND(0.73) J	NA
2-Nitroaniline	ND(2.1)	ND(1.8)	ND(2.0) [ND(1.9)]	ND(1.8)	NA
2-Nitrophenol	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA
2-Picoline	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
3&4-Methylphenol	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA
3,3'-Dichlorobenzidine	ND(0.85)	ND(0.71)	ND(0.78) J [ND(0.77) J]	ND(0.73) J	NA
3,3'-Dimethylbenzidine	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
3-Methylcholanthrene	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA
3-Nitroaniline	ND(2.1)	ND(1.8)	ND(2.0) [ND(1.9)]	ND(1.8)	NA
4,6-Dinitro-2-methylphenol	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
4-Aminobiphenyl	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA
4-Bromophenyl-phenylether	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
4-Chloro-3-Methylphenol	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
4-Chloroaniline	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA
4-Chlorobenzilate	ND(0.71)	ND(0.71)	ND(0.78) J [ND(0.77) J]	ND(0.73) J	NA
4-Chlorophenyl-phenylether	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA

**TABLE E-1**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (SUB-AREA 201A)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-Q13 0-1 12/05/02	RAA12-R13 0-1 12/09/02	RAA12-S14 0-1 08/06/02	RAA12-S14 3-6 08/06/02	RAA12-S14 4-6 08/06/02
<b>Semivolatile Organics (continued)</b>						
4-Methylphenol	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ND(1.8)	ND(1.8)	ND(2.0) [ND(1.9)]	ND(1.8)	NA	NA
4-Nitrophenol	ND(2.1) J	ND(1.8) J	ND(2.0) [ND(1.9)]	ND(1.8)	NA	NA
4-Nitroquinoline-1-oxide	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA	NA
4-Phenylenediamine	ND(0.71) J	ND(0.71) J	ND(0.78) J [ND(0.77) J]	ND(0.73) J	NA	NA
5-Nitro-o-toluidine	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA	NA
7,12-Dimethylbenz(a)anthracene	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA	NA
a,a'-Dimethylphenethylamine	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA	NA
Acenaphthene	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	0.19 J	NA	NA
Acenaphthylene	ND(0.43)	ND(0.35)	0.087 J [0.16 J]	0.10 J	NA	NA
Acetophenone	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Aniline	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Anthracene	ND(0.43)	ND(0.35)	ND(0.39) [0.38]	0.36 J	NA	NA
Aramite	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA	NA
Benzidine	ND(0.85) J	ND(0.71) J	ND(0.78) [ND(0.77)]	ND(0.73)	NA	NA
Benzo(a)anthracene	ND(0.43)	ND(0.35)	0.39 J [1.5 J]	1.1	NA	NA
Benzo(a)pyrene	ND(0.43)	ND(0.35)	0.49 J [2.1 J]	0.96	NA	NA
Benzo(b)fluoranthene	ND(0.43)	ND(0.35)	0.38 J [1.8 J]	1.0	NA	NA
Benzo(g,h,i)perylene	ND(0.43)	ND(0.35)	0.48 J [1.7 J]	0.71	NA	NA
Benzo(k)fluoranthene	ND(0.43)	ND(0.35)	0.46 J [2.2 J]	0.76	NA	NA
Benzyl Alcohol	ND(0.85)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA	NA
bis(2-Chloroethoxy)methane	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
bis(2-Chloroethyl)ether	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
bis(2-Chloroisopropyl)ether	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
bis(2-Ethylhexyl)adipate	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	0.33 J	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Butylbenzylphthalate	0.24 J	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Carbazole	NA	NA	NA	NA	NA	NA
Chrysene	ND(0.43)	ND(0.35)	0.45 J [1.3 J]	1.1	NA	NA
Diallate	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA	NA
Dibenzo(a,h)anthracene	ND(0.43)	ND(0.35)	ND(0.39) [0.42]	0.29 J	NA	NA
Dibenzofuran	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	0.12 J	NA	NA
Diethylphthalate	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Dimethoate	NA	ND(1.8)	NA	ND(1.8)	NA	NA
Dimethylphthalate	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Di-n-Butylphthalate	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Di-n-Octylphthalate	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Dinoseb	NA	ND(0.35)	NA	ND(0.36)	NA	NA
Diphenylamine	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Disulfoton	NA	ND(0.71)	NA	ND(0.73)	NA	NA
Ethyl Methanesulfonate	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Ethyl Parathion	NA	ND(0.71)	NA	ND(0.73)	NA	NA
Famphur	NA	ND(0.35)	NA	ND(0.36)	NA	NA
Fluoranthene	0.098 J	ND(0.35)	0.69 J [3.0 J]	2.4	NA	NA
Fluorene	ND(0.43)	0.12 J	ND(0.39) [ND(0.38)]	0.21 J	NA	NA
Hexachlorobenzene	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Hexachlorobutadiene	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Hexachlorocyclopentadiene	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Hexachloroethane	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Hexachlorophene	ND(0.85) J	ND(0.71) J	ND(0.78) [ND(0.77)]	ND(0.73)	NA	NA
Hexachloropropene	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Indeno(1,2,3-cd)pyrene	ND(0.43)	ND(0.35)	0.27 J [1.3 J]	0.63	NA	NA
Isodrin	ND(0.43)	ND(0.35)	ND(0.39) J [ND(0.38) J]	ND(0.36) J	NA	NA
Isophorone	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Isosafrole	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA	NA
Kepone	NA	ND(0.35)	NA	ND(0.36)	NA	NA
Methaprylene	ND(0.71)	ND(0.71)	ND(0.78) J [ND(0.77) J]	ND(0.73) J	NA	NA
Methyl Methanesulfonate	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
Methyl Parathion	NA	ND(0.71)	NA	ND(0.73)	NA	NA
Naphthalene	ND(0.43)	ND(0.35)	ND(0.39) [0.091 J]	ND(0.36)	NA	NA
Nitrobenzene	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA
N-Nitrosodiethylamine	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	NA

**TABLE E-1**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (SUB-AREA 201A)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-Q13 RAA12-Q13 0-1 12/05/02	RAA12-R13 RAA12-R13 0-1 12/09/02	RAA12-S14 RAA12-S14 0-1 08/06/02	RAA12-S14 RAA12-S14 3-6 08/06/02	RAA12-S14 RAA12-S14 4-6 08/06/02
<b>Semivolatile Organics (continued)</b>						
N-Nitrosodimethylamine	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	
N-Nitroso-di-n-butylamine	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77) J]	ND(0.73) J	NA	
N-Nitroso-di-n-propylamine	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	
N-Nitrosodiphenylamine	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	
N-Nitrosomethylethylamine	ND(0.71) J	ND(0.71) J	ND(0.78) [ND(0.77)]	ND(0.73)	NA	
N-Nitrosomorpholine	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	
N-Nitrosopiperidine	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	
N-Nitrosopyrrolidine	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA	
o,o,o-Triethylphosphorothioate	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	
o-Toluidine	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	
p-Dimethylaminoazobenzene	ND(0.71)	ND(0.71)	ND(0.78) J [ND(0.77) J]	ND(0.73) J	NA	
Pentachlorobenzene	ND(0.43) J	ND(0.35) J	ND(0.39) [ND(0.38)]	ND(0.36)	NA	
Pentachloroethane	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	
Pentachloronitrobenzene	ND(0.71)	ND(0.71)	ND(0.78) [ND(0.77)]	ND(0.73)	NA	
Pentachlorophenol	ND(2.1)	ND(1.8)	ND(2.0) [ND(1.9)]	ND(1.8)	NA	
Phenacetin	ND(0.71)	ND(0.71)	ND(0.78) J [ND(0.77) J]	ND(0.73) J	NA	
Phenanthrene	ND(0.43)	0.082 J	0.31 J [1.3 J]	1.6	NA	
Phenol	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	
Phorate	NA	ND(0.71)	NA	ND(0.73)	NA	
Pronamide	ND(0.43) J	ND(0.35) J	ND(0.39) [ND(0.38)]	ND(0.36)	NA	
Pyrene	0.087 J	ND(0.35)	0.71 J [3.3 J]	1.9	NA	
Pyridine	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	
Safrole	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	
Sulfotep	NA	ND(0.71)	NA	ND(0.73)	NA	
Thionazin	ND(0.43)	ND(0.35)	ND(0.39) [ND(0.38)]	ND(0.36)	NA	
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	ND(0.016)	NA	ND(0.11)	NA	
4,4'-DDE	NA	ND(0.016)	NA	ND(0.11)	NA	
4,4'-DDT	NA	ND(0.016)	NA	ND(0.11)	NA	
Aldrin	NA	ND(0.0080)	NA	ND(0.054)	NA	
Alpha-BHC	NA	ND(0.0080)	NA	ND(0.054)	NA	
Alpha-Chlordane	NA	ND(0.0080)	NA	ND(0.054)	NA	
Beta-BHC	NA	ND(0.0080)	NA	ND(0.054)	NA	
Delta-BHC	NA	ND(0.0080)	NA	ND(0.054)	NA	
Die�din	NA	ND(0.016)	NA	ND(0.11)	NA	
Endosulfan I	NA	ND(0.016)	NA	ND(0.11)	NA	
Endosulfan II	NA	ND(0.016)	NA	ND(0.11)	NA	
Endosulfan Sulfate	NA	ND(0.016)	NA	ND(0.11)	NA	
Endrin	NA	ND(0.016)	NA	ND(0.11)	NA	
Endrin Aldehyde	NA	ND(0.016)	NA	ND(0.11)	NA	
Endrin Ketone	NA	ND(0.016)	NA	ND(0.11)	NA	
Gamma-BHC (Lindane)	NA	ND(0.0080)	NA	ND(0.054)	NA	
Gamma-Chlordane	NA	ND(0.0080)	NA	ND(0.054)	NA	
Heptachlor	NA	ND(0.0080)	NA	ND(0.054)	NA	
Heptachlor Epoxide	NA	ND(0.0080)	NA	ND(0.054)	NA	
Methoxychlor	NA	ND(0.080)	NA	ND(0.54)	NA	
Technical Chlordane	NA	ND(0.089)	NA	ND(0.90)	NA	
Toxaphene	NA	ND(0.17)	NA	ND(0.90)	NA	
<b>Herbicides</b>						
2,4,5-T	NA	ND(0.34)	NA	ND(0.35)	NA	
2,4,5-TP	NA	ND(0.34)	NA	ND(0.35)	NA	
2,4-D	NA	ND(0.80)	NA	ND(0.80)	NA	

**TABLE E-1**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (SUB-AREA 201A)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-Q13 0-1 12/05/02	RAA12-R13 0-1 12/09/02	RAA12-S14 0-1 08/06/02	RAA12-S14 3-6 08/06/02	RAA12-S14 4-6 08/06/02
<b>Furans</b>						
2,3,7,8-TCDF	ND(0.0000016)	0.0000074 J	0.000048 Y [0.000035 Y]	0.000090 Y	NA	
TCDFs (total)	ND(0.0000016)	0.000012	0.0004 [0.00034]	0.0013	NA	
1,2,3,7,8-PeCDF	ND(0.0000082) X	0.0000056 J	0.000024 J [0.000024]	0.000080	NA	
2,3,4,7,8-PeCDF	ND(0.0000014)	ND(0.00000063)	0.000041 [0.000038]	0.00030	NA	
PeCDFs (total)	0.000091	0.000020	0.00036 [0.00027 Q]	0.0022	NA	
1,2,3,4,7,8-HxCDF	0.0000020 J	ND(0.0000010)	0.00011 [0.00013]	0.00099 J	NA	
1,2,3,6,7,8-HxCDF	ND(0.0000016)	ND(0.0000064)	0.000050 [0.000054]	0.00051	NA	
1,2,3,7,8,9-HxCDF	ND(0.0000027)	ND(0.0000020)	0.000015 J [0.000014]	0.00012	NA	
2,3,4,6,7,8-HxCDF	0.0000010 J	0.0000045 J	0.000031 [0.000034]	0.00030	NA	
HxCDFs (total)	0.000012	0.000023	0.00044 [0.00052]	0.0042	NA	
1,2,3,4,6,7,8-HpCDF	ND(0.0000032)	0.0000013 J	0.00016 [0.00021]	0.0020 J	NA	
1,2,3,4,7,8,9-HpCDF	0.00000080 J	ND(0.0000020)	0.000056 [0.000075]	0.00024	NA	
HpCDFs (total)	0.0000040	ND(0.0000013)	0.00036 [0.00046]	0.0028	NA	
OCDF	0.0000038 J	0.000018 J	0.00065 [0.00087]	0.00073	NA	
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.0000011)	ND(0.00000069)	ND(0.0000064) [0.0000028 J]	ND(0.0000032)	NA	
TCDDs (total)	ND(0.0000035)	ND(0.0000025)	0.00016 [0.00018]	0.00011	NA	
1,2,3,7,8-PeCDD	ND(0.0000027)	ND(0.0000020)	ND(0.0000026) X [0.0000014 J]	ND(0.0000048) X	NA	
PeCDDs (total)	ND(0.0000048)	ND(0.0000033)	0.000014 [0.000017 Q]	0.000021	NA	
1,2,3,4,7,8-HxCDD	ND(0.0000027)	ND(0.0000020)	ND(0.0000075) [0.0000018 J]	0.000061 J	NA	
1,2,3,6,7,8-HxCDD	ND(0.0000027)	ND(0.0000020)	ND(0.0000067) [0.0000027 J]	0.000012 J	NA	
1,2,3,7,8,9-HxCDD	ND(0.0000027)	ND(0.0000020)	ND(0.0000068) [0.0000019 J]	0.0000052 J	NA	
HxCDDs (total)	ND(0.0000057)	ND(0.0000037)	ND(0.0000070) [0.000031]	0.00013	NA	
1,2,3,4,6,7,8-HpCDD	ND(0.0000046)	ND(0.0000051)	0.000030 [0.000021]	0.00020	NA	
HpCDDs (total)	0.0000096	0.000091	0.000061 [0.000043]	0.00037	NA	
OCDD	ND(0.000030)	ND(0.000032)	0.00020 [0.00014]	0.00091	NA	
Total TEQs (WHO TEFs)	0.0000033	0.000022	0.000055 [0.000052]	0.00039	NA	
<b>Inorganics</b>						
Antimony	ND(6.00)	ND(6.00)	7.10 [5.10 B]	16.0	NA	
Arsenic	4.20	2.80	20.0 J [11.0 J]	6.70 J	NA	
Barium	14.0 B	25.0	29 [190]	66.0	NA	
Beryllium	0.200 B	0.120 B	0.260 B [0.360 B]	0.230 B	NA	
Cadmium	0.170 B	ND(0.500)	3.50 J [1.50 J]	1.40 J	NA	
Chromium	4.00	4.30	110 J [12.0 J]	13.0 J	NA	
Cobalt	5.80	5.20	9.20 [5.60]	8.60	NA	
Copper	17.0	14.0	150 [110]	1000	NA	
Cyanide	ND(0.110)	ND(0.210)	0.160 J [0.150 J]	0.150 J	NA	
Lead	13.0	3.90	1600 J [350 J]	260 J	NA	
Mercury	0.0610 B	ND(0.110)	0.870 [0.570]	0.310	NA	
Nickel	9.20	7.30	14.0 [12.0]	19.0	NA	
Selenium	ND(1.00) J	ND(1.00) J	0.540 B [0.600 B]	ND(1.00)	NA	
Silver	ND(1.00)	ND(1.00)	0.630 B [0.390 B]	ND(1.00)	NA	
Sulfide	17.0	12.0	28.0 [35.0]	75.0	NA	
Thallium	ND(1.10)	ND(1.10)	ND(1.80) J [ND(1.70) J]	ND(1.60) J	NA	
Tin	5.50 B	ND(10.0)	170 J [49.0 J]	74.0 J	NA	
Vanadium	16.0	11.0	10.0 [13.0]	11.0	NA	
Zinc	39.0	22.0	1300 J [380 J]	350 J	NA	

**Notes:**

1. Laboratory qualifiers are defined on Table B-2 of this document and on Tables C-2 and C-4 of the *Conceptual Removal Design/Removal Action Work Plan for the Lyman Street Area* (BBL; March 2004).
2. NA = Constituent was not analyzed.
3. ND = Constituent was not detected.

**TABLE E-2**  
**COMPARISON OF DETECTED APPENDIX IX+3 CONSTITUENTS TO RESIDENTIAL SCREENING PRGs**  
**SUB-AREA 201A**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Analytical Parameter	Maximum Detect	USEPA Region 9 Residential PRGs (See Note 3)	Constituent Retained for Further Evaluation? (See Note 4)
<b>Volatile Organics</b>			
2-Butanone	0.004	6,900	No
Acetone	0.5	1,400	No
Isobutanol	0.033	10,000	No
Methylene Chloride	0.0044	8.5	No
Toluene	0.0095	520	No
<b>Semivolatile Organics</b>			
2-Methylnaphthalene	0.084	55	No
Acenaphthene	0.19	2,600	No
Acenaphthylene	0.3	55	No
Anthracene	0.38	14,000	No
Benzo(a)anthracene	1.5	0.56	Yes
Benzo(a)pyrene	2.1	0.056	Yes
Benzo(b)fluoranthene	1.8	0.56	Yes
Benzo(g,h,i)perylene	1.7	55	No
Benzo(k)fluoranthene	2.2	5.6	No
bis(2-Ethylhexyl)phthalate	4.5	32	No
Butylbenzylphthalate	0.24	930	No
Chrysene	1.3	56	No
Dibenzo(a,h)anthracene	0.42	0.056	Yes
Dibenzofuran	0.12	210	No
Fluoranthene	3	2,000	No
Fluorene	0.21	1,800	No
Indeno(1,2,3-cd)pyrene	1.3	0.56	Yes
Naphthalene	0.3	55	No
Phenanthrene	1.6	55	No
Pyrene	3.3	1,500	No
<b>Inorganics</b>			
Antimony	16	30	No
Arsenic	20	0.38	Yes
Barium	290	5,200	No
Beryllium	0.49	150	No
Cadmium	3.5	37	No
Chromium	110	210	No
Cobalt	12	3,300	No
Copper	1,000	2,800	No
Cyanide	0.46	11	No
Lead	1,600	400	Yes
Mercury	0.96	22	No
Nickel	24	1,500	No
Selenium	3.7	370	No
Silver	0.63	370	No
Sulfide	130	350	No
Thallium	1.2	6	No
Tin	170	45,000	No
Vanadium	26	520	No
Zinc	1,300	22,000	No

Notes:

1. PRG = Preliminary Remediation Goal.
2. Per Attachment F to *Statement of Work for Removal Actions Outside the River* (SOW), comparison to PRGs is required for all detected Appendix IX+3 constituents except PCBs, dioxins and furans.
3. The PRGs listed in this column consist of EPA Region 9 Residential soil PRGs for the constituents listed (as set forth in Exhibit F-1 to Attachment F to the SOW) or, for certain constituents, surrogate PRGs as identified in Section 3.3.3 of the *Conceptual Removal Design/Removal Action Work Plan for the Lyman Street Area* (BBL; March 2004).
4. Constituent is retained for further evaluation if its maximum detected concentration exceeds its corresponding PRG.

**TABLE E-3**  
**EXISTING CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**SUB-AREA 201A (0- TO 1-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA12-N14 0-1 12/04/02	RAA12-Q13 0-1 12/05/02	RAA12-R13 0-1 12/09/02	RAA12-S14 0-1 08/06/02
<b>Semivolatile Organics</b>				
Benzo(a)anthracene	0.68	<b>0.22</b>	<b>0.18</b>	0.95
Benzo(a)pyrene	0.76	<b>0.22</b>	<b>0.18</b>	1.3
Benzo(b)fluoranthene	0.78	<b>0.22</b>	<b>0.18</b>	1.1
Dibenzo(a,h)anthracene	<b>0.38</b>	<b>0.22</b>	<b>0.18</b>	0.31
Indeno(1,2,3-cd)pyrene	0.49	<b>0.22</b>	<b>0.18</b>	0.79
<b>Dioxins/Furans</b>				
Total TEQs (WHO TEFs)	0.000015	0.0000033	0.0000022	<i>0.000055</i>
<b>Inorganics</b>				
Arsenic	6.10	4.20	2.80	15.5
Lead	120	13.0	3.90	975
Sample ID: Sample Depth(Feet): Date Collected:	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
<b>Semivolatile Organics</b>				
Benzo(a)anthracene	N/A (See Note 5)	0.51	7	No
Benzo(a)pyrene	N/A (See Note 5)	0.62	2	No
Benzo(b)fluoranthene	N/A (See Note 5)	0.57	7	No
Dibenzo(a,h)anthracene	N/A (See Note 5)	0.27	0.7	No
Indeno(1,2,3-cd)pyrene	N/A (See Note 5)	0.42	7	No
<b>Dioxins/Furans</b>				
Total TEQs (WHO TEFs)	5.50E-05	N/A (See Note 5)	1.00E-03	No
<b>Inorganics</b>				
Arsenic	N/A (See Note 5)	7.15	20	No
Lead	N/A (See Note 5)	278	300	No

**Notes:**

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. Total TEQs concentrations in italics represent the maximum value for the sample location/depth increment in question.

**TABLE E-4**  
**EXISTING CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**SUB-AREA 201A (1- TO 15-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA12-NO14 1-3 02/25/05	RAA12-S14 3-6 08/06/02	RAA12-OP13 6-10 02/25/05	BH000557 10-15 02/06/02
<b>Semivolatile Organics</b>				
Benzo(a)anthracene	0.63	1.1	1.0	0.52
Benzo(a)pyrene	0.72	0.96	0.84	0.82
Benzo(b)fluoranthene	0.52	1.0	0.92	0.45
Dibenzo(a,h)anthracene	0.09	0.29	0.15	<b>0.45</b>
Indeno(1,2,3-cd)pyrene	0.35	0.63	0.45	0.35
<b>Dioxins/Furans</b>				
Total TEQs (WHO TEFs)	0.0000019	0.00039	0.0000036	0.000016
<b>Inorganics</b>				
Arsenic	9.80	6.70	15.0	<b>2.50</b>
Lead	115	260	380	20.0
Sample ID: Sample Depth(Feet): Date Collected:	Maximum Sample Result	Arithmetic Average Concentration (See Note 3)	MCP Wave 2 Method 1 S-1 GW-2/GW-3 Soil Standard (See Note 4)	Constituent Exceeds Initial Comparison Criteria? (See Note 5)
<b>Semivolatile Organics</b>				
Benzo(a)anthracene	N/A (See Note 5)	0.81	7	No
Benzo(a)pyrene	N/A (See Note 5)	0.84	2	No
Benzo(b)fluoranthene	N/A (See Note 5)	0.72	7	No
Dibenzo(a,h)anthracene	N/A (See Note 5)	0.24	0.7	No
Indeno(1,2,3-cd)pyrene	N/A (See Note 5)	0.45	7	No
<b>Dioxins/Furans</b>				
Total TEQs (WHO TEFs)	3.90E-04	N/A (See Note 5)	1.00E-03	No
<b>Inorganics</b>				
Arsenic	N/A (See Note 5)	8.5	20	No
Lead	N/A (See Note 5)	194	300	No

**Notes:**

1. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
2. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Residential PRGs or surrogate PRGs.
3. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
4. The Method 1 Wave 2 S-1 soil standards listed are those associated with GW-2/GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
5. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
6. Total TEQs concentrations in italics represent the maximum value for the sample location/depth increment in question.

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	BH000555 LS-BH000555-0-0100 10-15 01/31/02	BH000555 LS-BH000555-0-0120 12-14 01/31/02	LSSC-07 LSSC-07-CS1015 10-15 12/18/98	LSSC-07 LSSC-07-SS08 12-14 12/18/98	LSSC-08 LSSC-08-CS1015 10-15 12/16/98
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
1,1,1-trichloro-2,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
1,1,2,2-Tetrachloroethane	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
1,1-Dichloroethane	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
1,1-Dichloroethene	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
1,1-Dichloropropene	NA	ND(0.011) J	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	ND(0.011) J	NA	NA	NA	NA
1,2,3-Trichloropropane	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
1,2,4-Trichlorobenzene	NA	ND(0.011) J	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	ND(0.011) J	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NA	R	NA	ND(0.015)	NA	NA
1,2-Dibromoethane	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
1,2-Dichlorobenzene	NA	ND(0.011) J	NA	NA	NA	NA
1,2-Dichloroethane	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
1,2-Dichloroethene (total)	NA	ND(0.011) J	NA	NA	NA	NA
1,2-Dichloropropane	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
1,3,5-Trimethylbenzene	NA	ND(0.011) J	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	ND(0.011) J	NA	NA	NA	NA
1,3-Dichloropropane	NA	ND(0.011) J	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	ND(0.011) J	NA	NA	NA	NA
1,4-Dioxane	NA	R	NA	ND(0.73)	NA	NA
2,2-Dichloropropane	NA	ND(0.011) J	NA	NA	NA	NA
2-Butanone	NA	0.0040 J	NA	ND(0.029)	NA	NA
2-Chloro-1,3-butadiene	NA	NA	NA	ND(0.0073)	NA	NA
2-Chloroethylvinylether	NA	NA	NA	ND(0.073)	NA	NA
2-Chlorotoluene	NA	ND(0.011) J	NA	NA	NA	NA
2-Hexanone	NA	ND(0.011) J	NA	ND(0.029)	NA	NA
3-Chloropropene	NA	NA	NA	ND(0.015)	NA	NA
4-Chlorotoluene	NA	ND(0.011) J	NA	NA	NA	NA
4-Methyl-2-pentanone	NA	ND(0.011) J	NA	ND(0.029)	NA	NA
Acetone	NA	0.021 J	NA	0.15	NA	NA
Acetonitrile	NA	NA	NA	ND(0.15)	NA	NA
Acrolein	NA	NA	NA	ND(0.15)	NA	NA
Acrylonitrile	NA	NA	NA	ND(0.15)	NA	NA
Benzene	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
Bromobenzene	NA	ND(0.011) J	NA	NA	NA	NA
Bromochloromethane	NA	ND(0.011) J	NA	NA	NA	NA
Bromodichloromethane	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
Bromoform	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
Bromomethane	NA	ND(0.011) J	NA	ND(0.015)	NA	NA
Carbon Disulfide	NA	0.0020 J	NA	ND(0.0073)	NA	NA
Carbon Tetrachloride	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
Chlorobenzene	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
Chloroethane	NA	ND(0.011) J	NA	ND(0.015)	NA	NA
Chloroform	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
Chloromethane	NA	ND(0.011) J	NA	ND(0.015)	NA	NA
cis-1,2-Dichloroethene	NA	ND(0.011) J	NA	ND(0.0037)	NA	NA
cis-1,3-Dichloropropene	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
cis-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA	NA
Crotonaldehyde	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
Dibromomethane	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
Dichlorodifluoromethane	NA	NA	NA	ND(0.015)	NA	NA
Ethyl Methacrylate	NA	NA	NA	ND(0.0073)	NA	NA
Ethylbenzene	NA	ND(0.011) J	NA	ND(0.0073)	NA	NA
Freon 12	NA	ND(0.011) J	NA	NA	NA	NA
Hexachlorobutadiene	NA	ND(0.011) J	NA	NA	NA	NA
Iodomethane	NA	NA	NA	ND(0.0073)	NA	NA
Isobutanol	NA	NA	NA	ND(0.29)	NA	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID: Sample ID: Sample Depth(Feet): Parameter	BH000555 LS-BH000555-0-0100 10-15 01/31/02	BH000555 LS-BH000555-0-0120 12-14 01/31/02	LSSC-07 LSSC-07-CS1015 10-15 12/18/98	LSSC-07 LSSC-07-SS08 12-14 12/18/98	LSSC-08 LSSC-08-CS1015 10-15 12/16/98
<b>Volatile Organics (continued)</b>					
Isopropylbenzene	NA	ND(0.011) J	NA	NA	NA
m&p-Xylene	NA	ND(0.011) J	NA	NA	NA
Methacrylonitrile	NA	NA	NA	ND(0.0073)	NA
Methyl Methacrylate	NA	NA	NA	ND(0.0073)	NA
Methylene Chloride	NA	ND(0.011) J	NA	ND(0.0073)	NA
Naphthalene	NA	ND(0.011) J	NA	NA	NA
n-Butylbenzene	NA	ND(0.011) J	NA	NA	NA
n-Propylbenzene	NA	ND(0.011) J	NA	NA	NA
o-Xylene	NA	ND(0.011) J	NA	NA	NA
p-Isopropyltoluene	NA	ND(0.011) J	NA	NA	NA
Propionitrile	NA	NA	NA	ND(0.029)	NA
sec-Butylbenzene	NA	ND(0.011) J	NA	NA	NA
Styrene	NA	ND(0.011) J	NA	ND(0.0073)	NA
tert-Butylbenzene	NA	ND(0.011) J	NA	NA	NA
Tetrachloroethene	NA	ND(0.011) J	NA	ND(0.0073)	NA
Tetrahydrofuran	NA	0.0010 J	NA	NA	NA
Toluene	NA	ND(0.011) J	NA	ND(0.0073)	NA
trans-1,2-Dichloroethene	NA	ND(0.011) J	NA	ND(0.0037)	NA
trans-1,3-Dichloropropene	NA	ND(0.011) J	NA	ND(0.0073)	NA
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND(0.0073)	NA
Trichloroethene	NA	ND(0.011) J	NA	ND(0.0073)	NA
Trichlorofluoromethane	NA	ND(0.011) J	NA	ND(0.015)	NA
Vinyl Acetate	NA	NA	NA	ND(0.015)	NA
Vinyl Chloride	NA	ND(0.011) J	NA	ND(0.015)	NA
Xylenes (total)	NA	ND(0.011) J	NA	ND(0.0073)	NA
<b>Semivolatile Organics</b>					
1,2,3,4-Tetrachlorobenzene	NA	NA	NA	NA	NA
1,2,3,5-Tetrachlorobenzene	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	NA	NA	ND(0.45)	NA	ND(0.46)
1,2,4-Trichlorobenzene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
1,2-Dichlorobenzene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
1,2-Diphenylhydrazine	NA	NA	ND(0.45)	NA	ND(0.46)
1,3,5-Trichlorobenzene	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	NA	NA	ND(2.2)	NA	ND(2.2)
1,3-Dichlorobenzene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
1,3-Dinitrobenzene	NA	NA	ND(0.45)	NA	ND(0.46)
1,4-Dichlorobenzene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
1,4-Dinitrobenzene	NA	NA	NA	NA	NA
1,4-Naphthoquinone	NA	NA	ND(2.2)	NA	ND(2.2)
1-Chloronaphthalene	NA	NA	NA	NA	NA
1-Methylnaphthalene	NA	NA	NA	NA	NA
1-Naphthylamine	NA	NA	ND(0.45)	NA	ND(0.46)
2,3,4,6-Tetrachlorophenol	NA	NA	ND(0.45)	NA	ND(0.46)
2,4,5-Trichlorophenol	ND(1.1)	NA	ND(0.45)	NA	ND(0.46)
2,4,6-Trichlorophenol	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
2,4-Dichlorophenol	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
2,4-Dimethylphenol	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
2,4-Dinitrophenol	ND(1.1)	NA	ND(2.2)	NA	ND(2.2)
2,4-Dinitrotoluene	ND(0.43) J	NA	ND(0.45)	NA	ND(0.46)
2,6-Dichlorophenol	NA	NA	ND(0.45)	NA	ND(0.46)
2,6-Dinitrotoluene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
2-Acetylaminofluorene	NA	NA	ND(0.91)	NA	ND(0.92)
2-Chloronaphthalene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
2-Chlorophenol	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
2-Methylnaphthalene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
2-Methylphenol	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
2-Naphthylamine	NA	NA	ND(0.45)	NA	ND(0.46)
2-Nitroaniline	ND(1.1)	NA	ND(2.2)	NA	ND(2.2)
2-Nitrophenol	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
2-Phenylenediamine	NA	NA	NA	NA	NA
2-Picoline	NA	NA	ND(0.91)	NA	ND(0.92)

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	BH000555 LS-BH000555-0-0100 10-15 01/31/02	BH000555 LS-BH000555-0-0120 12-14 01/31/02	LSSC-07 LSSC-07-CS1015 10-15 12/18/98	LSSC-07 LSSC-07-SS08 12-14 12/18/98	LSSC-08 LSSC-08-CS1015 10-15 12/16/98
<b>Semivolatile Organics (continued)</b>						
3&4-Methylphenol	NA	NA	ND(0.45)	NA	ND(0.46)	
3,3'-Dichlorobenzidine	ND(0.43)	NA	ND(2.2)	NA	ND(2.2)	
3,3'-Dimethoxybenzidine	NA	NA	NA	NA	NA	
3,3'-Dimethylbenzidine	NA	NA	ND(2.2)	NA	ND(2.2)	
3-Methylcholanthrene	NA	NA	ND(0.91)	NA	ND(0.92)	
3-Methylphenol	NA	NA	NA	NA	NA	
3-Nitroaniline	ND(1.1)	NA	ND(2.2)	NA	ND(2.2)	
3-Phenylenediamine	NA	NA	NA	NA	NA	
4,4'-Methylene-bis(2-chloroaniline)	NA	NA	NA	NA	NA	
4,6-Dinitro-2-methylphenol	ND(1.1)	NA	ND(2.2)	NA	ND(2.2)	
4-Aminobiphenyl	NA	NA	ND(2.2)	NA	ND(2.2)	
4-Bromophenyl-phenylether	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
4-Chloro-3-Methylphenol	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
4-Chloroaniline	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
4-Chlorobenzilate	NA	NA	ND(0.45)	NA	ND(0.46)	
4-Chlorophenyl-phenylether	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
4-Methylphenol	ND(0.43)	NA	NA	NA	NA	
4-Nitroaniline	ND(1.1)	NA	ND(2.2)	NA	ND(2.2)	
4-Nitrophenol	ND(1.1)	NA	ND(2.2)	NA	ND(2.2)	
4-Nitroquinoline-1-oxide	NA	NA	ND(4.5)	NA	ND(4.6)	
4-Phenylenediamine	NA	NA	ND(4.5)	NA	ND(4.6)	
5-Nitro-o-toluidine	NA	NA	ND(0.91)	NA	ND(0.92)	
7,12-Dimethylbenz(a)anthracene	NA	NA	ND(0.91)	NA	ND(0.92)	
a,a'-Dimethylphenethylamine	NA	NA	ND(2.2)	NA	ND(2.2)	
Acenaphthene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
Acenaphthylene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
Acetophenone	NA	NA	ND(0.45)	NA	ND(0.46)	
Aniline	NA	NA	ND(0.45)	NA	ND(0.46)	
Anthracene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
Aramite	NA	NA	ND(2.2)	NA	ND(2.2)	
Azobenzene	NA	NA	NA	NA	NA	
Benzal chloride	NA	NA	NA	NA	NA	
Benzidine	NA	NA	ND(4.5)	NA	ND(4.6)	
Benz(a)anthracene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
Benz(a)pyrene	ND(0.43)	NA	0.64	NA	ND(0.46)	
Benz(b)fluoranthene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
Benz(g,h,i)perylene	ND(0.43) J	NA	0.045 J	NA	ND(0.46)	
Benz(k)fluoranthene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
Benzoic Acid	NA	NA	NA	NA	NA	
Benzotrichloride	NA	NA	NA	NA	NA	
Benzyl Alcohol	NA	NA	ND(0.45)	NA	ND(0.46)	
Benzyl Chloride	NA	NA	NA	NA	NA	
bis(2-Chloroethoxy)methane	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
bis(2-Chloroethyl)ether	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
bis(2-Chloroisopropyl)ether	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
bis(2-Ethylhexyl)adipate	ND(0.43)	NA	NA	NA	NA	
bis(2-Ethylhexyl)phthalate	ND(0.43)	NA	0.39 J	NA	0.34 J	
Butylbenzylphthalate	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
Carbazole	ND(0.43)	NA	NA	NA	NA	
Chrysene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
Cyclophosphamide	NA	NA	NA	NA	NA	
Diallate	NA	NA	ND(0.91)	NA	ND(0.92)	
Diallate (cis isomer)	NA	NA	NA	NA	NA	
Diallate (trans isomer)	NA	NA	NA	NA	NA	
Diben(a,j)acridine	NA	NA	NA	NA	NA	
Dibenzo(a,h)anthracene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
Dibenzofuran	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
Diethylphthalate	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
Dimethoate	NA	NA	NA	NA	NA	
Dimethylphthalate	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
Di-n-Butylphthalate	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	
Di-n-Octylphthalate	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID:	BH000555	BH000555	LSSC-07	LSSC-07	LSSC-08
Sample ID:	LS-BH000555-0-0100	LS-BH000555-0-0120	LSSC-07-CS1015	LSSC-07-SS08	LSSC-08-CS1015
Parameter	Sample Depth(Feet): Date Collected:	10-15 01/31/02	12-14 01/31/02	10-15 12/18/98	12-14 12/18/98
<b>Semivolatile Organics (continued)</b>					
Dinoseb	NA	NA	ND(0.91)	NA	ND(0.92)
Diphenylamine	NA	NA	ND(0.45)	NA	ND(0.46)
Disulfoton	NA	NA	NA	NA	NA
Ethyl Methacrylate	NA	NA	NA	NA	NA
Ethyl Methanesulfonate	NA	NA	ND(0.45)	NA	ND(0.46)
Ethyl Parathion	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA
Fluoranthene	0.061 J	NA	ND(0.45)	NA	ND(0.46)
Fluorene	ND(0.43)	NA	ND(0.18)	NA	ND(0.18)
Hexachlorobenzene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
Hexachlorobutadiene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
Hexachlorocyclopentadiene	ND(0.43)	NA	ND(2.2)	NA	ND(2.2)
Hexachloroethane	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
Hexachlorophene	NA	NA	NA	NA	NA
Hexachloropropene	NA	NA	ND(1.8)	NA	ND(1.8)
Indeno(1,2,3-cd)pyrene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
Isodrin	NA	NA	NA	NA	NA
Isophorone	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
Isosafrole	NA	NA	ND(0.91)	NA	ND(0.92)
Kepone	NA	NA	NA	NA	NA
Methapyrilene	NA	NA	ND(2.2)	NA	ND(2.2)
Methyl Methanesulfonate	NA	NA	ND(0.45)	NA	ND(0.46)
Methyl Parathion	NA	NA	NA	NA	NA
Naphthalene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
Nitrobenzene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
N-Nitrosodiethylamine	NA	NA	ND(0.45)	NA	ND(0.46)
N-Nitrosodimethylamine	NA	NA	ND(0.45)	NA	ND(0.46)
N-Nitroso-di-n-butylamine	NA	NA	ND(0.45)	NA	ND(0.46)
N-Nitroso-di-n-propylamine	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
N-Nitrosodiphenylamine	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
N-Nitrosomethylalkylamine	NA	NA	ND(0.45)	NA	ND(0.46)
N-Nitrosomorpholine	NA	NA	ND(0.45)	NA	ND(0.46)
N-Nitrosopiperidine	NA	NA	ND(0.45)	NA	ND(0.46)
N-Nitrosopyrrolidine	NA	NA	ND(0.45)	NA	ND(0.46)
o,o,o-Triethylphosphorothioate	NA	NA	NA	NA	NA
o-Toluidine	NA	NA	ND(0.91)	NA	ND(0.92)
Paraldehyde	NA	NA	NA	NA	NA
p-Dimethylaminoazobenzene	NA	NA	ND(0.91)	NA	ND(0.92)
Pentachlorobenzene	NA	NA	ND(0.45)	NA	ND(0.46)
Pentachloroethane	NA	NA	ND(2.2)	NA	ND(2.2)
Pentachloronitrobenzene	NA	NA	ND(2.2)	NA	ND(2.2)
Pentachlorophenol	ND(1.1) J	NA	ND(2.2)	NA	ND(2.2)
Phenacetin	NA	NA	ND(0.91)	NA	ND(0.92)
Phenanthrene	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
Phenol	ND(0.43)	NA	ND(0.45)	NA	ND(0.46)
Phorate	NA	NA	NA	NA	NA
Pronamide	NA	NA	ND(0.91)	NA	ND(0.92)
Pyrene	0.053 J	NA	ND(0.45)	NA	ND(0.46)
Pyridine	NA	NA	ND(0.91)	NA	ND(0.92)
Safrole	NA	NA	ND(0.91)	NA	ND(0.92)
Sulfotep	NA	NA	NA	NA	NA
Thionazin	NA	NA	NA	NA	NA
Total Phenols	NA	NA	NA	NA	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	BH000555 LS-BH000555-0-0100 10-15 01/31/02	BH000555 LS-BH000555-0-0120 12-14 01/31/02	LSSC-07 LSSC-07-CS1015 10-15 12/18/98	LSSC-07 LSSC-07-SS08 12-14 12/18/98	LSSC-08 LSSC-08-CS1015 10-15 12/16/98
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA
Isodrin	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	ND(0.0000010)	NA	0.0000014 Y	NA	0.00000094 YJ	
TCDFs (total)	0.0000052	NA	0.000022	NA	0.0000086	
1,2,3,7,8-PeCDF	ND(0.00000039)	NA	ND(0.0000018)	NA	ND(0.00000050)	
2,3,4,7,8-PeCDF	ND(0.00000055)	NA	ND(0.0000018)	NA	ND(0.00000071)	
PeCDFs (total)	0.0000046	NA	0.000015	NA	ND(0.0000030)	
1,2,3,4,7,8-HxCDF	0.00000087 J	NA	0.0000039 J	NA	ND(0.0000028)	
1,2,3,6,7,8-HxCDF	ND(0.00000059)	NA	ND(0.0000034)	NA	ND(0.0000016)	
1,2,3,7,8,9-HxCDF	ND(0.0000013)	NA	ND(0.0000011)	NA	ND(0.00000013)	
2,3,4,6,7,8-HxCDF	ND(0.00000030)	NA	ND(0.0000015)	NA	ND(0.00000054)	
HxCDFs (total)	0.0000045	NA	0.000033	NA	ND(0.0000028)	
1,2,3,4,6,7,8-HpCDF	0.0000016 J	NA	0.0000058 J	NA	ND(0.0000028)	
1,2,3,4,7,8,9-HpCDF	ND(0.0000027)	NA	ND(0.0000013)	NA	ND(0.00000077)	
HpCDFs (total)	0.0000029	NA	0.000015	NA	ND(0.0000028)	
OCDF	ND(0.0000017)	NA	ND(0.0000062)	NA	ND(0.0000044)	
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.0000011)	NA	ND(0.0000033)	NA	ND(0.0000044)	
TCDDs (total)	0.00000013 J	NA	ND(0.0000033)	NA	ND(0.0000044)	
1,2,3,7,8-PeCDD	ND(0.00000097)	NA	ND(0.0000084)	NA	ND(0.0000064)	
PeCDDs (total)	0.00000013 J	NA	ND(0.0000084)	NA	ND(0.0000064)	
1,2,3,4,7,8-HxCDD	ND(0.0000027)	NA	ND(0.0000022)	NA	ND(0.0000050)	
1,2,3,6,7,8-HxCDD	ND(0.0000019)	NA	ND(0.0000041)	NA	ND(0.0000043)	
1,2,3,7,8,9-HxCDD	ND(0.0000013)	NA	ND(0.0000039)	NA	ND(0.0000044)	
HxCDDs (total)	ND(0.0000086)	NA	ND(0.0000012)	NA	ND(0.0000050)	
1,2,3,4,6,7,8-HpCDD	ND(0.0000017)	NA	ND(0.0000023)	NA	ND(0.000014)	
HpCDDs (total)	ND(0.0000037)	NA	ND(0.0000023)	NA	ND(0.000014)	
OCDD	ND(0.000012)	NA	0.000011 J	NA	0.000011 J	
Total TEQs (WHO TEFs)	0.00000050	NA	0.0000020	NA	0.0000012	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	BH000555 LS-BH000555-0-0100 10-15 01/31/02	BH000555 LS-BH000555-0-0120 12-14 01/31/02	LSSC-07 LSSC-07-CS1015 10-15 12/18/98	LSSC-07 LSSC-07-SS08 12-14 12/18/98	LSSC-08 LSSC-08-CS1015 10-15 12/16/98
<b>Inorganics</b>						
Aluminum	NA	NA	NA	NA	NA	NA
Antimony	ND(0.250)	NA	0.420 B	NA	0.280 B	
Arsenic	ND(5.00)	NA	2.10	NA	2.10	
Barium	17.4	NA	29.4	NA	25.9 B	
Beryllium	ND(0.250)	NA	0.260 B	NA	0.260 B	
Cadmium	0.140	NA	0.130 B	NA	0.100 B	
Calcium	NA	NA	NA	NA	NA	
Chromium	5.20	NA	8.10	NA	7.90	
Cobalt	5.10	NA	7.60	NA	8.60	
Copper	10.8	NA	9.80	NA	9.80	
Cyanide	NA	NA	ND(3.40)	NA	ND(3.50)	
Iron	NA	NA	NA	NA	NA	
Lead	17.2	NA	6.70	NA	7.10	
Magnesium	NA	NA	NA	NA	NA	
Manganese	NA	NA	NA	NA	NA	
Mercury	0.0310	NA	ND(0.140)	NA	ND(0.140)	
Nickel	9.00	NA	11.7	NA	11.7	
Potassium	NA	NA	NA	NA	NA	
Selenium	ND(10.0)	NA	ND(0.690)	NA	0.430 B	
Silver	ND(0.100)	NA	ND(1.40)	NA	ND(1.40)	
Sodium	NA	NA	NA	NA	NA	
Sulfide	NA	NA	ND(275)	NA	461	
Thallium	ND(0.100)	NA	ND(1.40)	NA	ND(1.40)	
Tin	NA	NA	ND(13.8)	NA	ND(14.0)	
Vanadium	4.80	NA	8.40	NA	7.70	
Zinc	36.0	NA	43.2	NA	40.4	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	LSSC-08 LSSC-08-SS09 14-15 12/16/98	LSSC-16 LSSC-16-CS1015 10-15 03/03/99	LSSC-16 LSSC-16-SS08 12-14 03/03/99	LSSC-17 LSSC-17-CS1015 10-15 03/05/99	LSSC-17 LSSC-17-SS07 10-12 03/05/99	LSSC-31 LSSC-31-CS0610 6-10 07/28/99
<b>Volatile Organics</b>							
1,1,1,2-Tetrachloroethane	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
1,1,1-trichloro-2,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
1,1,2,2-Tetrachloroethane	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
1,1-Dichloroethane	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
1,1-Dichloroethylene	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA	
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	
1,2,3-Trichloropropane	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane	ND(0.076)	ND(0.010)	ND(0.0089)	ND(0.014)	ND(0.018)	NA	
1,2-Dibromoethane	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	
1,2-Dichloroethane	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
1,2-Dichloroethene (total)	NA	NA	NA	NA	NA	NA	
1,2-Dichloropropane	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	
1,4-Dioxane	ND(3.8)	ND(0.52)	ND(0.44)	ND(0.70)	ND(0.90)	NA	
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA	
2-Butanone	ND(0.15)	ND(0.021)	ND(0.018)	ND(0.028)	ND(0.036)	NA	
2-Chloro-1,3-butadiene	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
2-Chloroethylvinylether	ND(0.38)	ND(0.052)	ND(0.044)	ND(0.070)	ND(0.090)	NA	
2-Chlorotoluene	NA	NA	NA	NA	NA	NA	
2-Hexanone	ND(0.15)	ND(0.021)	ND(0.018)	ND(0.028)	ND(0.036)	NA	
3-Chloropropene	ND(0.076)	ND(0.010)	ND(0.0089)	ND(0.014)	ND(0.018)	NA	
4-Chlorotoluene	NA	NA	NA	NA	NA	NA	
4-Methyl-2-pentanone	ND(0.15)	ND(0.021)	ND(0.018)	ND(0.028)	ND(0.036)	NA	
Acetone	1.2	0.0075 J	ND(0.018)	ND(0.028)	ND(0.036)	NA	
Acetonitrile	ND(0.76)	ND(0.10)	ND(0.089)	ND(0.14)	ND(0.18)	NA	
Acrolein	ND(0.76)	ND(0.10)	ND(0.089)	ND(0.14)	ND(0.18)	NA	
Acrylonitrile	ND(0.76)	ND(0.10)	ND(0.089)	ND(0.14)	ND(0.18)	NA	
Benzene	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
Bromobenzene	NA	NA	NA	NA	NA	NA	
Bromochloromethane	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
Bromoform	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
Bromomethane	ND(0.076)	ND(0.010)	ND(0.0089)	ND(0.014)	ND(0.018)	NA	
Carbon Disulfide	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
Carbon Tetrachloride	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
Chlorobenzene	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
Chloroethane	ND(0.076)	ND(0.010)	ND(0.0089)	ND(0.014)	ND(0.018)	NA	
Chloroform	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
Chloromethane	ND(0.076)	ND(0.010)	ND(0.0089)	ND(0.014)	ND(0.018)	NA	
cis-1,2-Dichloroethene	ND(0.019)	ND(0.0026)	ND(0.0022)	ND(0.0035)	ND(0.0045)	NA	
cis-1,3-Dichloropropene	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
cis-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA	NA	
Crotonaldehyde	NA	NA	NA	NA	NA	NA	
Dibromochloromethane	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
Dibromomethane	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
Dichlorodifluoromethane	ND(0.076)	ND(0.010)	ND(0.0089)	ND(0.014)	ND(0.018)	NA	
Ethyl Methacrylate	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
Ethylbenzene	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
Freon 12	NA	NA	NA	NA	NA	NA	
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	
Iodomethane	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	
Isobutanol	ND(1.5)	ND(0.21)	ND(0.18)	ND(0.28)	ND(0.36)	NA	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	LSSC-08 LSSC-08-SS09 14-15 12/16/98	LSSC-16 LSSC-16-CS1015 10-15 03/03/99	LSSC-16 LSSC-16-SS08 12-14 03/03/99	LSSC-17 LSSC-17-CS1015 10-15 03/05/99	LSSC-17 LSSC-17-SS07 10-12 03/05/99	LSSC-31 LSSC-31-CS0610 6-10 07/28/99
<b>Volatile Organics (continued)</b>							
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA
m&p-Xylene	NA	NA	NA	NA	NA	NA	NA
Methacrylonitrile	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	NA
Methyl Methacrylate	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	NA
Methylene Chloride	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA
Propionitrile	ND(0.15)	ND(0.021)	ND(0.018)	ND(0.028)	ND(0.036)	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA
Styrene	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	NA
tert-Butylbenzene	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	NA
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA
Toluene	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	NA
trans-1,2-Dichloroethene	ND(0.019)	ND(0.0026)	ND(0.0022)	ND(0.0035)	ND(0.0045)	NA	NA
trans-1,3-Dichloropropene	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	NA
trans-1,4-Dichloro-2-butene	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	NA
Trichloroethene	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	NA
Trichlorofluoromethane	ND(0.076)	ND(0.010)	ND(0.0089)	ND(0.014)	ND(0.018)	NA	NA
Vinyl Acetate	ND(0.076)	ND(0.010)	ND(0.0089)	ND(0.014)	ND(0.018)	NA	NA
Vinyl Chloride	ND(0.076)	ND(0.010)	ND(0.0089)	ND(0.014)	ND(0.018)	NA	NA
Xylenes (total)	ND(0.038)	ND(0.0052)	ND(0.0044)	ND(0.0070)	ND(0.0090)	NA	NA
<b>Semivolatile Organics</b>							
1,2,3,4-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,3,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
1,2,4-Trichlorobenzene	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
1,2-Dichlorobenzene	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
1,2-Diphenylhydrazine	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
1,3,5-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	ND(12)
1,3-Dichlorobenzene	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
1,3-Dinitrobenzene	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
1,4-Dichlorobenzene	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
1,4-Dinitrobenzene	NA	NA	NA	NA	NA	NA	NA
1,4-Naphthoquinone	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	ND(12)
1-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA
1-Naphthylamine	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
2,3,4,6-Tetrachlorophenol	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
2,4,5-Trichlorophenol	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
2,4,6-Trichlorophenol	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
2,4-Dichlorophenol	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
2,4-Dimethylphenol	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
2,4-Dinitrophenol	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	ND(12)
2,4-Dinitrotoluene	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
2,6-Dichlorophenol	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
2,6-Dinitrotoluene	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
2-Acetylaminofluorene	NA	ND(0.80)	NA	ND(0.93)	NA	ND(4.9)	ND(4.9)
2-Chloronaphthalene	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
2-Chlorophenol	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
2-Methylnaphthalene	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
2-Methylphenol	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
2-Naphthylamine	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
2-Nitroaniline	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	ND(12)
2-Nitrophenol	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	ND(2.5)
2-Phenylenediamine	NA	NA	NA	NA	NA	NA	NA
2-Picoline	NA	ND(0.80)	NA	ND(0.93)	NA	ND(4.9)	ND(4.9)

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	LSSC-08 LSSC-08-SS09 14-15 12/16/98	LSSC-16 LSSC-16-CS1015 10-15 03/03/99	LSSC-16 LSSC-16-SS08 12-14 03/03/99	LSSC-17 LSSC-17-CS1015 10-15 03/05/99	LSSC-17 LSSC-17-SS07 10-12 03/05/99	LSSC-31 LSSC-31-CS0610 6-10 07/28/99
<b>Semivolatile Organics (continued)</b>							
3&4-Methylphenol	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
3,3'-Dichlorobenzidine	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	
3,3'-Dimethoxybenzidine	NA	NA	NA	NA	NA	NA	
3,3'-Dimethylbenzidine	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	
3-Methylcholanthrene	NA	ND(0.80)	NA	ND(0.93)	NA	ND(4.9)	
3-Methylphenol	NA	NA	NA	NA	NA	NA	
3-Nitroaniline	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	
3-Phenylenediamine	NA	NA	NA	NA	NA	NA	
4,4'-Methylene-bis(2-chloroaniline)	NA	NA	NA	NA	NA	NA	
4,6-Dinitro-2-methylphenol	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	
4-Aminobiphenyl	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	
4-Bromophenyl-phenylether	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
4-Chloro-3-Methylphenol	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
4-Chloroaniline	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
4-Chlorobenzilate	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
4-Chlorophenyl-phenylether	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
4-Methylphenol	NA	NA	NA	NA	NA	NA	
4-Nitroaniline	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	
4-Nitrophenol	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	
4-Nitroquinoline-1-oxide	NA	ND(4.0)	NA	ND(4.6)	NA	ND(25)	
4-Phenylenediamine	NA	ND(4.0)	NA	ND(4.6)	NA	ND(25)	
5-Nitro-o-tolidine	NA	ND(0.80)	NA	ND(0.93)	NA	ND(4.9)	
7,12-Dimethylbenz(a)anthracene	NA	ND(0.80)	NA	ND(0.93)	NA	ND(4.9)	
a,a'-Dimethylphenethylamine	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	
Acenaphthene	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Acenaphthylene	NA	ND(0.40)	NA	ND(0.46)	NA	2.5	
Acetophenone	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Aniline	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Anthracene	NA	ND(0.40)	NA	ND(0.46)	NA	1.1 J	
Aramite	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	
Azobenzene	NA	NA	NA	NA	NA	NA	
Benzal chloride	NA	NA	NA	NA	NA	NA	
Benzidine	NA	ND(4.0)	NA	ND(4.6)	NA	ND(25)	
Benz(a)anthracene	NA	ND(0.40)	NA	ND(0.46)	NA	6.2	
Benz(a)pyrene	NA	ND(0.40)	NA	0.39 J	NA	10	
Benz(b)fluoranthene	NA	ND(0.40)	NA	ND(0.46)	NA	5.1	
Benz(g,h,i)perylene	NA	ND(0.40)	NA	ND(0.46)	NA	4.8	
Benz(k)fluoranthene	NA	ND(0.40)	NA	ND(0.46)	NA	5.1	
Benzoic Acid	NA	NA	NA	NA	NA	NA	
Benzotrichloride	NA	NA	NA	NA	NA	NA	
Benzyl Alcohol	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Benzyl Chloride	NA	NA	NA	NA	NA	NA	
bis(2-Chloroethoxy)methane	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
bis(2-Chloroethyl)ether	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
bis(2-Chloroisopropyl)ether	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
bis(2-Ethylhexyl)adipate	NA	NA	NA	NA	NA	NA	
bis(2-Ethylhexyl)phthalate	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Butylbenzylphthalate	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Carbazole	NA	NA	NA	NA	NA	NA	
Chrysene	NA	ND(0.40)	NA	ND(0.46)	NA	7.2	
Cyclophosphamide	NA	NA	NA	NA	NA	NA	
Diallate	NA	ND(0.80)	NA	ND(0.93)	NA	ND(4.9)	
Diallate (cis isomer)	NA	NA	NA	NA	NA	NA	
Diallate (trans isomer)	NA	NA	NA	NA	NA	NA	
Dibenz(a,j)acridine	NA	NA	NA	NA	NA	NA	
Dibenzo(a,h)anthracene	NA	ND(0.40)	NA	ND(0.46)	NA	1.4 J	
Dibenofuran	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Diethylphthalate	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Dimethoate	NA	NA	NA	NA	NA	NA	
Dimethylphthalate	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Di-n-Butylphthalate	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Di-n-Octylphthalate	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	LSSC-08 LSSC-08-SS09 14-15 12/16/98	LSSC-16 LSSC-16-CS1015 10-15 03/03/99	LSSC-16 LSSC-16-SS08 12-14 03/03/99	LSSC-17 LSSC-17-CS1015 10-15 03/05/99	LSSC-17 LSSC-17-SS07 10-12 03/05/99	LSSC-31 LSSC-31-CS0610 6-10 07/28/99
<b>Semivolatile Organics (continued)</b>							
Dinoseb	NA	ND(0.80)	NA	ND(0.93)	NA	ND(4.9)	
Diphenylamine	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Disulfoton	NA	NA	NA	NA	NA	NA	
Ethyl Methacrylate	NA	NA	NA	NA	NA	NA	
Ethyl Methanesulfonate	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Ethyl Parathion	NA	NA	NA	NA	NA	NA	
Famphur	NA	NA	NA	NA	NA	NA	
Fluoranthene	NA	ND(0.40)	NA	ND(0.46)	NA	8.5	
Fluorene	NA	ND(0.16)	NA	ND(0.18)	NA	ND(0.97)	
Hexachlorobenzene	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Hexachlorobutadiene	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Hexachlorocyclopentadiene	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	
Hexachloroethane	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Hexachlorophene	NA	NA	NA	NA	NA	NA	
Hexachloropropene	NA	ND(1.6)	NA	ND(1.8)	NA	ND(9.7)	
Indeno(1,2,3-cd)pyrene	NA	ND(0.40)	NA	ND(0.46)	NA	4.3	
Isodrin	NA	NA	NA	NA	NA	NA	
Isophorone	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Isosafrole	NA	ND(0.80)	NA	ND(0.93)	NA	ND(4.9)	
Kepone	NA	NA	NA	NA	NA	NA	
Methaphyrilene	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	
Methyl Methanesulfonate	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Methyl Parathion	NA	NA	NA	NA	NA	NA	
Naphthalene	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Nitrobenzene	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
N-Nitrosodiethylamine	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
N-Nitrosodimethylamine	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
N-Nitroso-di-n-butylamine	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
N-Nitroso-di-n-propylamine	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
N-Nitrosodiphenylamine	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
N-Nitrosomethylethylamine	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
N-Nitrosomorpholine	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
N-Nitrosopiperidine	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
N-Nitrosopyrrolidine	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
o,o,o-Triethylphosphorothioate	NA	NA	NA	NA	NA	NA	
o-Tolidine	NA	ND(0.80)	NA	ND(0.93)	NA	ND(4.9)	
Paraldehyde	NA	NA	NA	NA	NA	NA	
p-Dimethylaminoazobenzene	NA	ND(0.80)	NA	ND(0.93)	NA	ND(4.9)	
Pentachlorobenzene	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Pentachloroethane	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	
Pentachloronitrobenzene	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	
Pentachlorophenol	NA	ND(1.9)	NA	ND(2.2)	NA	ND(12)	
Phenacetin	NA	ND(0.80)	NA	ND(0.93)	NA	ND(4.9)	
Phenanthrene	NA	ND(0.40)	NA	ND(0.46)	NA	4.8	
Phenol	NA	ND(0.40)	NA	ND(0.46)	NA	ND(2.5)	
Phorate	NA	NA	NA	NA	NA	NA	
Pronamide	NA	ND(0.80)	NA	ND(0.93)	NA	ND(4.9)	
Pyrene	NA	ND(0.40)	NA	ND(0.46)	NA	14	
Pyridine	NA	ND(0.80)	NA	ND(0.93)	NA	ND(4.9)	
Safrole	NA	ND(0.80)	NA	ND(0.93)	NA	ND(4.9)	
Sulfotep	NA	NA	NA	NA	NA	NA	
Thionazin	NA	NA	NA	NA	NA	NA	
Total Phenols	NA	NA	NA	NA	NA	NA	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	LSSC-08 LSSC-08-SS09 14-15 12/16/98	LSSC-16 LSSC-16-CS1015 10-15 03/03/99	LSSC-16 LSSC-16-SS08 12-14 03/03/99	LSSC-17 LSSC-17-CS1015 10-15 03/05/99	LSSC-17 LSSC-17-SS07 10-12 03/05/99	LSSC-31 LSSC-31-CS0610 6-10 07/28/99
<b>Organochlorine Pesticides</b>							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA	NA
Isodrin	NA	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>							
2,4,5-T	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA	NA
<b>Furans</b>							
2,3,7,8-TCDF	NA	ND(0.00000094)	NA	ND(0.00000023)	NA	0.000035 Y	
TCDFs (total)	NA	ND(0.00000094)	NA	ND(0.00000023)	NA	0.00030	
1,2,3,7,8-PeCDF	NA	ND(0.00000093)	NA	ND(0.00000023)	NA	0.000015	
2,3,4,7,8-PeCDF	NA	ND(0.00000088)	NA	ND(0.00000022)	NA	0.000016	
PeCDFs (total)	NA	ND(0.00000093)	NA	ND(0.00000023)	NA	0.00015	
1,2,3,4,7,8-HxCDF	NA	ND(0.0000011)	NA	ND(0.00000042)	NA	0.000025	
1,2,3,6,7,8-HxCDF	NA	ND(0.0000012)	NA	ND(0.00000042)	NA	0.000017	
1,2,3,7,8,9-HxCDF	NA	ND(0.0000011)	NA	ND(0.00000041)	NA	ND(0.0000011)	
2,3,4,6,7,8-HxCDF	NA	ND(0.0000012)	NA	ND(0.00000045)	NA	0.000067 J	
HxCDFs (total)	NA	ND(0.0000012)	NA	ND(0.00000045)	NA	0.00011	
1,2,3,4,6,7,8-HpCDF	NA	0.000010 J	NA	ND(0.00000038)	NA	0.000037	
1,2,3,4,7,8,9-HpCDF	NA	ND(0.0000023)	NA	ND(0.00000039)	NA	0.0000079	
HpCDFs (total)	NA	0.000016 J	NA	ND(0.00000039)	NA	0.000059	
OCDF	NA	0.000015 J	NA	ND(0.00000043)	NA	0.000041	
<b>Dioxins</b>							
2,3,7,8-TCDD	NA	ND(0.00000074)	NA	ND(0.00000013)	NA	ND(0.00000055)	
TCDDs (total)	NA	ND(0.00000074)	NA	ND(0.00000013)	NA	0.0000094	
1,2,3,7,8-PeCDD	NA	ND(0.0000011)	NA	ND(0.00000041)	NA	ND(0.0000017)	
PeCDDs (total)	NA	ND(0.0000011)	NA	ND(0.00000041)	NA	ND(0.0000030)	
1,2,3,4,7,8-HxCDD	NA	ND(0.0000014)	NA	ND(0.00000049)	NA	ND(0.00000073)	
1,2,3,6,7,8-HxCDD	NA	ND(0.0000016)	NA	ND(0.00000058)	NA	ND(0.0000012)	
1,2,3,7,8,9-HxCDD	NA	ND(0.0000015)	NA	ND(0.00000053)	NA	ND(0.0000015)	
HxCDDs (total)	NA	ND(0.0000016)	NA	ND(0.00000058)	NA	ND(0.0000052)	
1,2,3,4,6,7,8-HpCDD	NA	0.000018 J	NA	ND(0.00000039)	NA	0.0000064 J	
HpCDDs (total)	NA	0.000031	NA	ND(0.00000039)	NA	0.000012	
OCDD	NA	0.00013	NA	0.0000060 J	NA	0.000020	
Total TEQs (WHO TEFs)	NA	0.000020	NA	0.0000052	NA	0.000019	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	LSSC-08 LSSC-08-SS09 14-15 12/16/98	LSSC-16 LSSC-16-CS1015 10-15 03/03/99	LSSC-16 LSSC-16-SS08 12-14 03/03/99	LSSC-17 LSSC-17-CS1015 10-15 03/05/99	LSSC-17 LSSC-17-SS07 10-12 03/05/99	LSSC-31 LSSC-31-CS0610 6-10 07/28/99
<b>Inorganics</b>							
Aluminum	NA	NA	NA	NA	NA	NA	NA
Antimony	NA	ND(1.20)	NA	ND(1.40)	NA	0.780 B	
Arsenic	NA	2.00	NA	2.20	NA	5.90	
Barium	NA	11.1 B	NA	28.9	NA	64.7	
Beryllium	NA	0.140 B	NA	0.250 B	NA	0.410 B	
Cadmium	NA	0.0770 B	NA	0.170 B	NA	0.730 B	
Calcium	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	7.40	NA	9.30	NA	45.1	
Cobalt	NA	6.10	NA	7.30	NA	11.0	
Copper	NA	6.90	NA	10.1	NA	98.8	
Cyanide	NA	ND(3.00)	NA	ND(3.50)	NA	ND(3.70)	
Iron	NA	NA	NA	NA	NA	NA	NA
Lead	NA	4.50	NA	7.70	NA	137	
Magnesium	NA	NA	NA	NA	NA	NA	
Manganese	NA	NA	NA	NA	NA	NA	
Mercury	NA	ND(0.120)	NA	0.0160 B	NA	0.530	
Nickel	NA	9.80	NA	12.3	NA	19.1	
Potassium	NA	NA	NA	NA	NA	NA	
Selenium	NA	0.410 B	NA	0.330 B	NA	1.10	
Silver	NA	ND(1.20)	NA	ND(1.40)	NA	0.270 B	
Sodium	NA	NA	NA	NA	NA	NA	
Sulfide	NA	ND(60.3)	NA	157	NA	117	
Thallium	NA	0.840 B	NA	0.740 B	NA	0.560 B	
Tin	NA	3.40 B	NA	ND(14.0)	NA	13.3 B	
Vanadium	NA	5.90 B	NA	8.10	NA	13.4	
Zinc	NA	34.6	NA	47.7	NA	239	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	LSSC-31 LSSC-31-SS04 5-6 07/28/99	LS-45 L45B1012 10-12 04/25/96	RAA12-L16 RAA12-L16 0-1 09/11/02	RAA12-L16 RAA12-L16 3-4 09/11/02	RAA12-L16 RAA12-L16 3-6 09/11/02	RAA12-L18 RAA12-L18 0-1 09/11/02
<b>Volatile Organics</b>							
1,1,1,2-Tetrachloroethane	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
1,1,1-trichloro-2,2,2-trifluoroethane	NA	NR	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
1,1,2,2-Tetrachloroethane	ND(0.0050)	ND(0.0070)	ND(0.0054) J	ND(0.0058)	NA	ND(0.0053)	NA
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NR	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
1,1-Dichloroethane	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
1,1-Dichloroethene	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ND(0.0050)	NR	ND(0.0054) J	ND(0.0058)	NA	ND(0.0053)	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	ND(0.010)	NR	ND(0.0054) J	ND(0.0058)	NA	ND(0.0053)	NA
1,2-Dibromoethane	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
1,2-Dichloroethene (total)	NA	ND(0.0070)	NA	NA	NA	NA	NA
1,2-Dichloropropane	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	ND(0.50)	NR	ND(0.11) J	ND(0.12) J	NA	ND(0.11) J	NA
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA
2-Butanone	ND(0.020)	ND(0.014)	ND(0.011)	ND(0.012)	NA	ND(0.011)	NA
2-Chloro-1,3-butadiene	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
2-Chloroethylvinylether	ND(0.050)	ND(0.014)	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
2-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	ND(0.020)	NR	ND(0.011)	ND(0.012)	NA	ND(0.011)	NA
3-Chloropropene	ND(0.010)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
4-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	ND(0.020)	ND(0.014)	ND(0.011)	ND(0.012)	NA	ND(0.011)	NA
Acetone	0.045	0.053	ND(0.022)	ND(0.023)	NA	ND(0.021)	NA
Acetonitrile	ND(0.10)	NR	ND(0.11)	ND(0.12)	NA	ND(0.11)	NA
Acrolein	ND(0.10)	NR	ND(0.11) J	ND(0.12) J	NA	ND(0.11) J	NA
Acrylonitrile	ND(0.10)	ND(0.27)	ND(0.0054) J	ND(0.0058) J	NA	ND(0.0053) J	NA
Benzene	ND(0.0050)	ND(0.0070)	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
Bromobenzene	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
Bromoform	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
Bromomethane	ND(0.010)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
Carbon Disulfide	ND(0.0050)	ND(0.0070)	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
Carbon Tetrachloride	ND(0.0050)	ND(0.0070)	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
Chlorobenzene	ND(0.0050)	ND(0.0070)	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
Chloroethane	ND(0.010)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
Chloroform	ND(0.0050)	ND(0.0070)	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
Chloromethane	ND(0.010)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
cis-1,2-Dichloroethene	ND(0.0025)	NR	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
cis-1,4-Dichloro-2-butene	NA	NR	NA	NA	NA	NA	NA
Crotonaldehyde	NA	NR	NA	NA	NA	NA	NA
Dibromochloromethane	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
Dibromomethane	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
Dichlorodifluoromethane	ND(0.010)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
Ethyl Methacrylate	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
Ethylbenzene	ND(0.0050)	0.036	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
Freon 12	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA
Iodomethane	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	NA
Isobutanol	ND(0.20)	NR	ND(0.11)	ND(0.12)	NA	ND(0.11)	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	LSSC-31 LSSC-31-SS04 5-6 07/28/99	LS-45 L45B1012 10-12 04/25/96	RAA12-L16 RAA12-L16 0-1 09/11/02	RAA12-L16 RAA12-L16 3-4 09/11/02	RAA12-L16 RAA12-L16 3-6 09/11/02	RAA12-L18 RAA12-L18 0-1 09/11/02
<b>Volatile Organics (continued)</b>							
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA
m&p-Xylene	NA	NR	NA	NA	NA	NA	NA
Methacrylonitrile	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	
Methyl Methacrylate	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	
Methylene Chloride	ND(0.0050)	ND(0.0070)	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	
Naphthalene	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NR	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA
Propionitrile	ND(0.020)	NR	ND(0.011)	ND(0.012)	NA	ND(0.011)	
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA
Styrene	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	
tert-Butylbenzene	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ND(0.0050)	ND(0.0070)	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA
Toluene	ND(0.0050)	ND(0.0070)	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	
trans-1,2-Dichloroethene	ND(0.0025)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	
trans-1,3-Dichloropropene	ND(0.0050)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	
trans-1,4-Dichloro-2-butene	ND(0.0050)	NR	ND(0.0054) J	ND(0.0058)	NA	ND(0.0053)	
Trichloroethene	ND(0.0050)	ND(0.0070)	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	
Trichlorofluoromethane	ND(0.010)	NR	ND(0.0054) J	ND(0.0058) J	NA	ND(0.0053) J	
Vinyl Acetate	ND(0.010)	NR	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	
Vinyl Chloride	ND(0.010)	ND(0.0070)	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	
Xylenes (total)	ND(0.0050)	0.023 X	ND(0.0054)	ND(0.0058)	NA	ND(0.0053)	
<b>Semivolatile Organics</b>							
1,2,3,4-Tetrachlorobenzene	NA	NR	NA	NA	NA	NA	NA
1,2,3,5-Tetrachlorobenzene	NA	NR	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NR	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	
1,2,4-Trichlorobenzene	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	
1,2-Dichlorobenzene	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	
1,2-Diphenylhydrazine	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
1,3,5-Trichlorobenzene	NA	NR	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
1,3-Dichlorobenzene	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	
1,3-Dinitrobenzene	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
1,4-Dichlorobenzene	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	
1,4-Dinitrobenzene	NA	NR	NA	NA	NA	NA	NA
1,4-Naphthoquinone	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
1-Chloronaphthalene	NA	NR	NA	NA	NA	NA	NA
1-Methylnaphthalene	NA	NR	NA	NA	NA	NA	NA
1-Naphthylamine	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
2,3,4,6-Tetrachlorophenol	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
2,4,5-Trichlorophenol	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
2,4,6-Trichlorophenol	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
2,4-Dichlorophenol	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
2,4-Dimethylphenol	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
2,4-Dinitrophenol	NA	NR	ND(1.8)	NA	ND(2.0)	ND(1.8)	
2,4-Dinitrotoluene	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
2,6-Dichlorophenol	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
2,6-Dinitrotoluene	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
2-Acetylaminofluorene	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
2-Chloronaphthalene	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
2-Chlorophenol	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
2-Methylnaphthalene	NA	0.97	ND(0.36)	NA	ND(0.39)	ND(0.35)	
2-Methylphenol	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
2-Naphthylamine	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
2-Nitroaniline	NA	NR	ND(1.8) J	NA	ND(2.0)	ND(1.8) J	
2-Nitrophenol	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
2-Phenylenediamine	NA	NR	NA	NA	NA	NA	NA
2-Picoline	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	LSSC-31 LSSC-31-SS04 5-6 07/28/99	LS-45 L45B1012 10-12 04/25/96	RAA12-L16 RAA12-L16 0-1 09/11/02	RAA12-L16 RAA12-L16 3-4 09/11/02	RAA12-L16 RAA12-L16 3-6 09/11/02	RAA12-L18 RAA12-L18 0-1 09/11/02
<b>Semivolatile Organics (continued)</b>							
3&4-Methylphenol	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
3,3'-Dichlorobenzidine	NA	ND(1.8)	ND(0.72) J	NA	ND(0.78)	ND(0.71) J	
3,3'-Dimethoxybenzidine	NA	NR	NA	NA	NA	NA	
3,3'-Dimethylbenzidine	NA	NR	ND(0.36) J	NA	ND(0.39)	ND(0.35) J	
3-Methylcholanthrene	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
3-Methylphenol	NA	NR	NA	NA	NA	NA	
3-Nitroaniline	NA	NR	ND(1.8)	NA	ND(2.0)	ND(1.8)	
3-Phenylenediamine	NA	NR	NA	NA	NA	NA	
4,4'-Methylene-bis(2-chloroaniline)	NA	NR	NA	NA	NA	NA	
4,6-Dinitro-2-methylphenol	NA	NR	ND(0.36) J	NA	ND(0.39)	ND(0.35) J	
4-Aminobiphenyl	NA	NR	ND(0.72) J	NA	ND(0.78) J	ND(0.71) J	
4-Bromophenyl-phenylether	NA	NR	ND(0.36)	NA	ND(0.39) J	ND(0.35)	
4-Chloro-3-Methylphenol	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
4-Chloroaniline	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
4-Chlorobenzilate	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
4-Chlorophenyl-phenylether	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
4-Methylphenol	NA	NR	NA	NA	NA	NA	
4-Nitroaniline	NA	NR	ND(1.8)	NA	ND(2.0)	ND(1.8)	
4-Nitrophenol	NA	NR	ND(1.8)	NA	ND(2.0)	ND(1.8)	
4-Nitroquinoline-1-oxide	NA	NR	ND(0.72)	NA	ND(0.78) J	ND(0.71)	
4-Phenylenediamine	NA	NR	ND(0.72) J	NA	ND(0.78) J	ND(0.71) J	
5-Nitro-o-toliduidine	NA	ND(0.89)	ND(0.72)	NA	ND(0.78)	ND(0.71)	
7,12-Dimethylbenz(a)anthracene	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
a,a'-Dimethylphenethylamine	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
Acenaphthene	NA	0.58 J	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Acenaphthylene	NA	0.11 J	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Acetophenone	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Aniline	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Anthracene	NA	ND(0.89)	0.11 J	NA	ND(0.39)	0.19 J	
Aramite	NA	NR	ND(0.72) J	NA	ND(0.78) J	ND(0.71) J	
Azobenzene	NA	NA	NA	NA	NA	NA	
Benzal chloride	NA	NR	NA	NA	NA	NA	
Benzidine	NA	ND(0.89)	ND(0.72) J	NA	ND(0.78) J	ND(0.71) J	
Benzol(a)anthracene	NA	0.14 JZ	0.35 J	NA	0.082 J	0.47	
Benzol(a)pyrene	NA	0.24 J	0.31 J	NA	0.13 J	0.44	
Benzol(b)fluoranthene	NA	0.11 JZ	0.22 J	NA	ND(0.39)	0.28 J	
Benzol(g,h,i)perylene	NA	0.19 J	0.17 J	NA	ND(0.39)	0.41	
Benzol(k)fluoranthene	NA	0.24 JZ	0.27 J	NA	0.11 J	0.33 J	
Benzoic Acid	NA	NR	NA	NA	NA	NA	
Benzotrichloride	NA	NR	NA	NA	NA	NA	
Benzyl Alcohol	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
Benzyl Chloride	NA	NR	NA	NA	NA	NA	
bis(2-Chloroethoxy)methane	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
bis(2-Chloroethyl)ether	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
bis(2-Chloroisopropyl)ether	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
bis(2-Ethylhexyl)adipate	NA	NA	NA	NA	NA	NA	
bis(2-Ethylhexyl)phthalate	NA	0.40 J	ND(0.36)	NA	ND(0.38)	ND(0.35)	
Butylbenzylphthalate	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Carbazole	NA	NA	NA	NA	NA	NA	
Chrysene	NA	0.17 J	0.40	NA	0.14 J	0.58	
Cyclophosphamide	NA	NR	NA	NA	NA	NA	
Diallate	NA	NR	ND(0.72)	NA	ND(0.78) J	ND(0.71)	
Diallate (cis isomer)	NA	NR	NA	NA	NA	NA	
Diallate (trans isomer)	NA	NR	NA	NA	NA	NA	
Dibenz(a,j)acridine	NA	NR	NA	NA	NA	NA	
Dibenz(a,h)anthracene	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Dibenzofuran	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Diethylphthalate	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Dimethoate	NA	NR	NA	NA	NA	NA	
Dimethylphthalate	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Di-n-Butylphthalate	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Di-n-Octylphthalate	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	LSSC-31 LSSC-31-SS04 5-6 07/28/99	LS-45 L45B1012 10-12 04/25/96	RAA12-L16 RAA12-L16 0-1 09/11/02	RAA12-L16 RAA12-L16 3-4 09/11/02	RAA12-L16 RAA12-L16 3-6 09/11/02	RAA12-L18 RAA12-L18 0-1 09/11/02
<b>Semivolatile Organics (continued)</b>							
Dinoseb	NA	ND(0.89)	NA	NA	NA	NA	NA
Diphenylamine	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	ND(0.35)
Disulfoton	NA	NA	NA	NA	NA	NA	NA
Ethyl Methacrylate	NA	NR	NA	NA	NA	NA	NA
Ethyl Methanesulfonate	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	ND(0.35)
Ethyl Parathion	NA	NA	NA	NA	NA	NA	NA
Famphur	NA	NR	NA	NA	NA	NA	NA
Fluoranthene	NA	0.10 J	0.74	NA	0.13 J	1.1	
Fluorene	NA	0.17 J	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Hexachlorobenzene	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Hexachlorobutadiene	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Hexachlorocyclopentadiene	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Hexachloroethane	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Hexachlorophene	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
Hexachloropropene	NA	NR	ND(0.36) J	NA	ND(0.39) J	ND(0.35) J	
Indeno(1,2,3-cd)pyrene	NA	0.12 J	0.18 J	NA	ND(0.39)	0.21 J	
Isodrin	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Isophorone	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Isosafrole	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
Kepone	NA	NA	NA	NA	NA	NA	
Methapyrilene	NA	NR	ND(0.72) J	NA	ND(0.78) J	ND(0.71) J	
Methyl Methanesulfonate	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Methyl Parathion	NA	NA	NA	NA	NA	NA	
Naphthalene	NA	4.7	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Nitrobenzene	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	
N-Nitrosodiethylamine	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
N-Nitrosodimethylamine	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
N-Nitroso-di-n-butylamine	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
N-Nitroso-di-n-propylamine	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
N-Nitrosodiphenylamine	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	
N-Nitrosomethylethylamine	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
N-Nitrosomorpholine	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
N-Nitrosopiperidine	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
N-Nitrosopyrrolidine	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
o,o,o-Triethylphosphorothioate	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
o-Toluidine	NA	NR	ND(0.36)	NA	ND(0.39) J	ND(0.35)	
Paraldehyde	NA	NR	NA	NA	NA	NA	
p-Dimethylaminoazobenzene	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
Pentachlorobenzene	NA	NR	ND(0.36)	NA	ND(0.39) J	ND(0.35)	
Pentachloroethane	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Pentachloronitrobenzene	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
Pentachlorophenol	NA	NR	ND(1.8)	NA	ND(2.0)	ND(1.8)	
Phenacetin	NA	NR	ND(0.72)	NA	ND(0.78)	ND(0.71)	
Phenanthrene	NA	0.11 J	0.45	NA	ND(0.39)	0.71	
Phenol	NA	ND(0.89)	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Phorate	NA	NA	NA	NA	NA	NA	
Pronamide	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Pyrene	NA	0.24 J	0.68	NA	0.16 J	1.1	
Pyridine	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Safrole	NA	NR	ND(0.36)	NA	ND(0.39)	ND(0.35)	
Sulfotep	NA	NA	NA	NA	NA	NA	
Thionazin	NA	NR	ND(0.36) J	NA	ND(0.39)	ND(0.35) J	
Total Phenols	NA	NR	NA	NA	NA	NA	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	LSSC-31 LSSC-31-SS04 5-6 07/28/99	LS-45 L45B1012 10-12 04/25/96	RAA12-L16 RAA12-L16 0-1 09/11/02	RAA12-L16 RAA12-L16 3-4 09/11/02	RAA12-L16 RAA12-L16 3-6 09/11/02	RAA12-L18 RAA12-L18 0-1 09/11/02
<b>Organochlorine Pesticides</b>							
4,4'-DDD	NA	ND(0.0043)	NA	NA	NA	NA	NA
4,4'-DDE	NA	ND(0.0043)	NA	NA	NA	NA	NA
4,4'-DDT	NA	ND(0.0043)	NA	NA	NA	NA	NA
Aldrin	NA	ND(0.0022)	NA	NA	NA	NA	NA
Alpha-BHC	NA	ND(0.0022)	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	ND(0.0022)	NA	NA	NA	NA	NA
Delta-BHC	NA	ND(0.0022)	NA	NA	NA	NA	NA
Dieldrin	NA	ND(0.0043)	NA	NA	NA	NA	NA
Endosulfan I	NA	ND(0.0022)	NA	NA	NA	NA	NA
Endosulfan II	NA	ND(0.0043)	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	ND(0.0043)	NA	NA	NA	NA	NA
Endrin	NA	ND(0.0043)	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	ND(0.0043)	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	ND(0.0022)	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA
Heptachlor	NA	ND(0.0022)	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	ND(0.0022)	NA	NA	NA	NA	NA
Isodrin	NA	NR	NA	NA	NA	NA	NA
Kepone	NA	ND(0.0043)	NA	NA	NA	NA	NA
Methoxychlor	NA	ND(0.0022)	NA	NA	NA	NA	NA
Technical Chlordane	NA	ND(0.0022)	NA	NA	NA	NA	NA
Toxaphene	NA	ND(0.0043)	NA	NA	NA	NA	NA
<b>Herbicides</b>							
2,4,5-T	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA	NA
<b>Furans</b>							
2,3,7,8-TCDF	NA	ND(0.00000045)	0.0000043 J	NA	ND(0.00000039) X	ND(0.0000077) X	
TCDFs (total)	NA	ND(0.00000045)	0.000019	NA	0.0000018	0.000044	
1,2,3,7,8-PeCDF	NA	ND(0.00000031)	0.0000014 J	NA	ND(0.00000023) X	0.0000032 J	
2,3,4,7,8-PeCDF	NA	ND(0.00000028)	ND(0.00000025) X	NA	0.00000032 J	0.0000055 J	
PeCDFs (total)	NA	ND(0.00000043)	0.000021	NA	0.0000019	0.000045	
1,2,3,4,7,8-HxCDF	NA	ND(0.00000047)	0.0000017 J	NA	0.00000024 J	0.0000039 J	
1,2,3,6,7,8-HxCDF	NA	ND(0.00000019)	0.0000014 J	NA	0.00000025 J	0.0000027 J	
1,2,3,7,8,9-HxCDF	NA	ND(0.00000031)	ND(0.00000021)	NA	ND(0.00000028)	ND(0.0000025)	
2,3,4,6,7,8-HxCDF	NA	ND(0.00000020)	ND(0.00000021)	NA	0.00000024 J	0.0000035 J	
HxCDFs (total)	NA	ND(0.00000047)	0.000016	NA	0.0000019	0.000028	
1,2,3,4,6,7,8-HpCDF	NA	ND(0.00000061)	0.0000051 J	NA	0.00000066 J	0.0000080 J	
1,2,3,4,7,8,9-HpCDF	NA	ND(0.00000084)	ND(0.00000021)	NA	ND(0.00000028)	ND(0.0000025)	
HpCDFs (total)	NA	ND(0.00000084)	0.0000051	NA	0.00000066	0.000016	
OCDF	NA	ND(0.000014)	0.0000040 J	NA	0.00000040 J	0.000011 J	
<b>Dioxins</b>							
2,3,7,8-TCDD	NA	ND(0.00000036)	ND(0.0000015)	NA	ND(0.00000017)	ND(0.0000019)	
TCDDs (total)	NA	ND(0.00000036)	ND(0.0000020)	NA	0.00000029	ND(0.0000028)	
1,2,3,7,8-PeCDD	NA	ND(0.00000020)	ND(0.0000021)	NA	ND(0.00000028)	ND(0.0000025)	
PeCDDs (total)	NA	ND(0.00000020)	ND(0.0000035)	NA	0.00000036	ND(0.0000043)	
1,2,3,4,7,8-HxCDD	NA	ND(0.00000045)	ND(0.0000023)	NA	ND(0.00000028)	ND(0.0000025)	
1,2,3,6,7,8-HxCDD	NA	ND(0.00000043)	ND(0.0000021)	NA	ND(0.00000028)	ND(0.0000025)	
1,2,3,7,8,9-HxCDD	NA	ND(0.00000047)	ND(0.0000021)	NA	ND(0.00000028)	ND(0.0000025)	
HxCDDs (total)	NA	ND(0.00000047)	ND(0.0000022)	NA	0.00000026	ND(0.0000061)	
1,2,3,4,6,7,8-HpCDD	NA	ND(0.00000048)	0.0000054 J	NA	0.00000060 J	0.000014 J	
HpCDDs (total)	NA	ND(0.00000048)	0.0000085	NA	0.00000011	0.000031	
OCDD	NA	ND(0.0000049)	ND(0.000019)	NA	ND(0.0000025)	0.000089	
Total TEQs (WHO TEFs)	NA	0.00000052	0.0000039	NA	0.00000055	0.0000072	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	LSSC-31 LSSC-31-SS04 5-6 07/28/99	LS-45 L45B1012 10-12 04/25/96	RAA12-L16 RAA12-L16 0-1 09/11/02	RAA12-L16 RAA12-L16 3-4 09/11/02	RAA12-L16 RAA12-L16 3-6 09/11/02	RAA12-L18 RAA12-L18 0-1 09/11/02
<b>Inorganics</b>							
Aluminum	NA	NR	NA	NA	NA	NA	NA
Antimony	NA	ND(3.20)	ND(6.00)	NA	ND(6.0)	ND(6.0)	ND(6.0)
Arsenic	NA	1.60	7.10	NA	6.60	4.20	
Barium	NA	20.8 B	59.0	NA	44.0	32.0	
Beryllium	NA	0.250 B	0.230 B	NA	0.250 B	0.130 B	
Cadmium	NA	ND(0.320)	0.130 B	NA	0.290 B	0.280 B	
Calcium	NA	NR	NA	NA	NA	NA	
Chromium	NA	7.30	8.40	NA	6.40	7.60	
Cobalt	NA	6.30 B	7.40	NA	6.50	4.20 B	
Copper	NA	10.5	31.0	NA	30.0	37.0	
Cyanide	NA	ND(3.40)	ND(0.110)	NA	ND(0.120)	ND(0.110)	
Iron	NA	NR	NA	NA	NA	NA	
Lead	NA	5.90	180	NA	120	99.0	
Magnesium	NA	NR	NA	NA	NA	NA	
Manganese	NA	NR	NA	NA	NA	NA	
Mercury	NA	ND(0.130)	0.360 B	NA	0.230 B	0.220 B	
Nickel	NA	8.70	13.0	NA	12.0	9.80	
Potassium	NA	NR	NA	NA	NA	NA	
Selenium	NA	ND(0.380)	ND(1.00)	NA	ND(1.00)	ND(1.00)	
Silver	NA	ND(0.380)	ND(1.00)	NA	ND(1.00)	ND(1.00)	
Sodium	NA	NR	NA	NA	NA	NA	
Sulfide	NA	ND(269)	24.0	NA	22.0	22.0	
Thallium	NA	ND(0.650)	ND(1.10) J	NA	ND(1.20) J	ND(1.10) J	
Tin	NA	ND(2.20)	ND(14.0)	NA	ND(10.0)	ND(10.0)	
Vanadium	NA	6.90	11.0	NA	11.0	10.0	
Zinc	NA	35.6 N	85.0	NA	64.0	97.0	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-L18 RAA12-L18 1-3 09/11/02	RAA12-L18 RAA12-L18 6-8 09/11/02	RAA12-L18 RAA12-L18 6-10 09/11/02	RAA12-M14 RAA12-M14 0-1 12/04/02	RAA12-M20 RAA12-M20 0-1 09/11/02
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0061) J	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
1,1,1-trichloro-2,2,2-trifluoroethane	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
1,1,2,2-Tetrachloroethane	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	ND(0.0061) J	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
1,1-Dichloroethane	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
1,1-Dichloroethene	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
1,1-Dichloropropene	NA	NA	NA	NA	NA	
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	
1,2,3-Trichloropropane	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
1,2-Dibromoethane	ND(0.0061) J	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	
1,2-Dichloroethane	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
1,2-Dichloroethene (total)	NA	NA	NA	NA	NA	
1,2-Dichloropropane	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	
1,3-Dichloropropane	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	
1,4-Dioxane	R	ND(0.15) J	NA	ND(0.11) [ND(0.11) J]	ND(0.12) J	
2,2-Dichloropropane	NA	NA	NA	NA	NA	
2-Butanone	R	ND(0.015)	NA	ND(0.011) [ND(0.011) J]	ND(0.012)	
2-Chloro-1,3-butadiene	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
2-Chloroethylvinylether	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
2-Chlorotoluene	NA	NA	NA	NA	NA	
2-Hexanone	ND(0.012) J	ND(0.015)	NA	ND(0.011) [ND(0.011) J]	ND(0.012)	
3-Chloropropene	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
4-Chlorotoluene	NA	NA	NA	NA	NA	
4-Methyl-2-pentanone	R	ND(0.015)	NA	ND(0.011) [ND(0.011) J]	ND(0.012)	
Acetone	R	0.019 J	NA	ND(0.022) [ND(0.022) J]	ND(0.023)	
Acetonitrile	R	ND(0.15)	NA	ND(0.11) [ND(0.11) J]	ND(0.12)	
Acrolein	R	ND(0.15) J	NA	ND(0.11) J [ND(0.0056) J]	ND(0.12) J	
Acrylonitrile	R	ND(0.0075) J	NA	ND(0.0054) J [ND(0.0056) J]	ND(0.0058) J	
Benzene	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Bromobenzene	NA	NA	NA	NA	NA	
Bromochloromethane	NA	NA	NA	NA	NA	
Bromodichloromethane	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Bromoform	ND(0.0061) J	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Bromomethane	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Carbon Disulfide	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Carbon Tetrachloride	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Chlorobenzene	ND(0.0061) J	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Chloroethane	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Chloroform	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Chloromethane	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	
cis-1,3-Dichloropropene	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
cis-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA	
Crotonaldehyde	NA	NA	NA	NA	NA	
Dibromochloromethane	ND(0.0061) J	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Dibromomethane	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Dichlorodifluoromethane	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Ethyl Methacrylate	ND(0.0061) J	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Ethylbenzene	ND(0.0061) J	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Freon 12	NA	NA	NA	NA	NA	
Hexachlorobutadiene	NA	NA	NA	NA	NA	
Iodomethane	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Isobutanol	R	ND(0.15)	NA	ND(0.11) [ND(0.11) J]	ND(0.12)	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-L18 RAA12-L18 1-3 09/11/02	RAA12-L18 RAA12-L18 6-8 09/11/02	RAA12-L18 RAA12-L18 6-10 09/11/02	RAA12-M14 RAA12-M14 0-1 12/04/02	RAA12-M20 RAA12-M20 0-1 09/11/02
<b>Volatile Organics (continued)</b>						
Isopropylbenzene	NA	NA	NA	NA	NA	NA
m&p-Xylene	NA	NA	NA	NA	NA	NA
Methacrylonitrile	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Methyl Methacrylate	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Methylene Chloride	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Naphthalene	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA
Propionitrile	R	ND(0.015)	NA	ND(0.011) [ND(0.011) J]	ND(0.012)	
sec-Butylbenzene	NA	NA	NA	NA	NA	NA
Styrene	ND(0.0061) J	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
tert-Butylbenzene	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ND(0.0061) J	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Tetrahydrofuran	NA	NA	NA	NA	NA	NA
Toluene	ND(0.0061) J	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
trans-1,2-Dichloroethene	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
trans-1,3-Dichloropropene	ND(0.0061) J	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
trans-1,4-Dichloro-2-butene	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Trichloroethene	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Trichlorofluoromethane	R	ND(0.0075) J	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058) J	
Vinyl Acetate	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Vinyl Chloride	R	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
Xylenes (total)	ND(0.0061) J	ND(0.0075)	NA	ND(0.0054) [ND(0.0056) J]	ND(0.0058)	
<b>Semivolatile Organics</b>						
1,2,3,4-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA
1,2,3,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
1,2,4-Trichlorobenzene	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
1,2-Dichlorobenzene	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
1,2-Diphenylhydrazine	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
1,3,5-Trichlorobenzene	NA	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
1,3-Dichlorobenzene	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
1,3-Dinitrobenzene	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
1,4-Dichlorobenzene	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
1,4-Dinitrobenzene	NA	NA	NA	NA	NA	NA
1,4-Naphthoquinone	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
1-Chloronaphthalene	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA
1-Naphthylamine	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
2,3,4,6-Tetrachlorophenol	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
2,4,5-Trichlorophenol	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
2,4,6-Trichlorophenol	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
2,4-Dichlorophenol	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
2,4-Dimethylphenol	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
2,4-Dinitrophenol	ND(2.1)	NA	ND(2.6)	ND(5.4) J [ND(6.4) J]	ND(2.0)	
2,4-Dinitrotoluene	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
2,6-Dichlorophenol	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
2,6-Dinitrotoluene	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
2-Acetylaminofluorene	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
2-Chloronaphthalene	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
2-Chlorophenol	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
2-Methylnaphthalene	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
2-Methylphenol	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
2-Naphthylamine	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
2-Nitroaniline	ND(2.1)	NA	ND(2.6)	ND(5.4) [ND(6.4)]	ND(2.0) J	
2-Nitrophenol	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
2-Phenylenediamine	NA	NA	NA	NA	NA	NA
2-Picoline	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-L18 RAA12-L18 1-3 09/11/02	RAA12-L18 RAA12-L18 6-8 09/11/02	RAA12-L18 RAA12-L18 6-10 09/11/02	RAA12-M14 RAA12-M14 0-1 12/04/02	RAA12-M20 RAA12-M20 0-1 09/11/02
<b>Semivolatile Organics (continued)</b>						
3&4-Methylphenol	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
3,3'-Dichlorobenzidine	ND(0.82)	NA	ND(1.0)	ND(2.2) [ND(2.5)]	ND(0.78) J	
3,3'-Dimethoxybenzidine	NA	NA	NA	NA	NA	
3,3'-Dimethylbenzidine	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39) J	
3-Methylcholanthrene	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
3-Methylphenol	NA	NA	NA	NA	NA	
3-Nitroaniline	ND(2.1)	NA	ND(2.6)	ND(5.4) [ND(6.4)]	ND(2.0)	
3-Phenylenediamine	NA	NA	NA	NA	NA	
4,4'-Methylene-bis(2-chloroaniline)	NA	NA	NA	NA	NA	
4,6-Dinitro-2-methylphenol	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39) J	
4-Aminobiphenyl	ND(0.82) J	NA	ND(1.0) J	ND(1.1) [ND(1.3)]	ND(0.78) J	
4-Bromophenyl-phenylether	ND(0.41) J	NA	ND(0.50) J	ND(1.1) [ND(1.3)]	ND(0.39)	
4-Chloro-3-Methylphenol	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
4-Chloroaniline	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
4-Chlorobenzilate	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
4-Chlorophenyl-phenylether	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
4-Methylphenol	NA	NA	NA	NA	NA	
4-Nitroaniline	ND(2.1)	NA	ND(2.6)	ND(1.8) [ND(1.9)]	ND(2.0)	
4-Nitrophenol	ND(2.1)	NA	ND(2.6)	ND(5.4) J [ND(6.4) J]	ND(2.0)	
4-Nitroquinoline-1-oxide	ND(0.82) J	NA	ND(1.0) J	ND(1.1) [ND(1.3)]	ND(0.78)	
4-Phenylenediamine	ND(0.82) J	NA	ND(1.0) J	ND(1.1) J [ND(1.3) J]	ND(0.78) J	
5-Nitro-o-tolidine	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
7,12-Dimethylbenz(a)anthracene	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
a,a'-Dimethylphenethylamine	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
Acenaphthene	0.14 J	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Acenaphthylene	0.36 J	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Acetophenone	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Aniline	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Anthracene	1.3	NA	0.21 J	ND(1.1) [ND(1.3)]	ND(0.39)	
Aramite	ND(0.82) J	NA	ND(1.0) J	ND(1.1) J [ND(1.3) J]	ND(0.78) J	
Azobenzene	NA	NA	NA	NA	NA	
Benzal chloride	NA	NA	NA	NA	NA	
Benzidine	ND(0.82) J	NA	ND(1.0) J	ND(2.2) J [ND(2.5) J]	ND(0.78) J	
Benzol(a)anthracene	3.6	NA	0.37 J	0.35 J [0.41 J]	0.17 J	
Benzol(a)pyrene	2.7	NA	0.30 J	0.52 J [0.55 J]	0.24 J	
Benzol(b)fluoranthene	2.2	NA	0.18 J	0.29 J [0.53 J]	0.26 J	
Benzol(g,h,i)perylene	1.6	NA	0.15 J	0.49 J [0.56 J]	0.19 J	
Benzol(k)fluoranthene	2.3	NA	0.29 J	ND(1.1) [ND(1.3)]	0.16 J	
Benzoic Acid	NA	NA	NA	NA	NA	
Benzotrichloride	NA	NA	NA	NA	NA	
Benzyl Alcohol	ND(0.82)	NA	ND(1.0)	ND(2.2) [ND(2.5)]	ND(0.78)	
Benzyl Chloride	NA	NA	NA	NA	NA	
bis(2-Chloroethoxy)methane	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
bis(2-Chloroethyl)ether	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
bis(2-Chloroisopropyl)ether	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
bis(2-Ethylhexyl)adipate	NA	NA	NA	NA	NA	
bis(2-Ethylhexyl)phthalate	ND(0.40)	NA	ND(0.50)	ND(0.54) [ND(0.64)]	ND(0.38)	
Butylbenzylphthalate	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Carbazole	NA	NA	NA	NA	NA	
Chrysene	3.0	NA	0.38 J	0.38 J [0.31 J]	0.31 J	
Cyclophosphamide	NA	NA	NA	NA	NA	
Diallate	ND(0.82) J	NA	ND(1.0) J	ND(1.1) J [ND(1.3) J]	ND(0.78)	
Diallate (cis isomer)	NA	NA	NA	NA	NA	
Diallate (trans isomer)	NA	NA	NA	NA	NA	
Dibenz(a,j)acridine	NA	NA	NA	NA	NA	
Dibenz(a,h)anthracene	0.51	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Dibenzo furan	0.42	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Diethylphthalate	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Dimethoate	NA	NA	NA	NA	NA	
Dimethylphthalate	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Di-n-Butylphthalate	ND(0.41)	NA	ND(0.50)	ND(1.1) [0.74 J]	ND(0.39)	
Di-n-Octylphthalate	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-L18 1-3 09/11/02	RAA12-L18 6-8 09/11/02	RAA12-L18 6-10 09/11/02	RAA12-M14 0-1 12/04/02	RAA12-M20 0-1 09/11/02
<b>Semivolatile Organics (continued)</b>						
Dinoseb	NA	NA	NA	NA	NA	NA
Diphenylamine	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Disulfoton	NA	NA	NA	NA	NA	
Ethyl Methacrylate	NA	NA	NA	NA	NA	
Ethyl Methanesulfonate	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Ethyl Parathion	NA	NA	NA	NA	NA	
Famphur	NA	NA	NA	NA	NA	
Fluoranthene	6.9	NA	0.91	0.49 J [0.66 J]	0.37 J	
Fluorene	0.27 J	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Hexachlorobenzene	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Hexachlorobutadiene	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Hexachlorocyclopentadiene	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Hexachloroethane	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Hexachlorophene	ND(0.82)	NA	ND(1.0)	ND(2.2) J [ND(2.5) J]	ND(0.78)	
Hexachloropropene	ND(0.41) J	NA	ND(0.50) J	ND(1.1) [ND(1.3)]	ND(0.39) J	
Indeno(1,2,3-cd)pyrene	1.5	NA	0.12 J	0.30 J [0.29 J]	0.20 J	
Isodrin	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Isophorone	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Isosafrole	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
Kepone	NA	NA	NA	NA	NA	
Methapyrilene	ND(0.82) J	NA	ND(1.0) J	ND(1.1) [ND(1.3)]	ND(0.78) J	
Methyl Methanesulfonate	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Methyl Parathion	NA	NA	NA	NA	NA	
Naphthalene	0.28 J	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Nitrobenzene	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
N-Nitrosodiethylamine	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
N-Nitrosodimethylamine	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
N-Nitroso-di-n-butylamine	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
N-Nitroso-di-n-propylamine	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
N-Nitrosodiphenylamine	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
N-Nitrosomethylamine	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
N-Nitrosomorpholine	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
N-Nitrosopiperidine	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
N-Nitrosopyrrolidine	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
o,o,o-Triethylphosphorothioate	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
o-Toluidine	ND(0.41) J	NA	ND(0.50) J	ND(1.1) [ND(1.3)]	ND(0.39)	
Paraldehyde	NA	NA	NA	NA	NA	
p-Dimethylaminoazobenzene	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
Pentachlorobenzene	ND(0.41) J	NA	ND(0.50) J	ND(1.1) [ND(1.3)]	ND(0.39)	
Pentachloroethane	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Pentachloronitrobenzene	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
Pentachlorophenol	ND(2.1)	NA	ND(2.6)	ND(5.4) [ND(6.4)]	ND(2.0)	
Phenacetin	ND(0.82)	NA	ND(1.0)	ND(1.1) [ND(1.3)]	ND(0.78)	
Phenanthrene	5.3	NA	0.68	ND(1.1) [0.32 J]	0.14 J	
Phenol	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Phorate	NA	NA	NA	NA	NA	
Pronamide	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Pyrene	6.7	NA	0.75	0.54 J [0.84 J]	0.40	
Pyridine	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Safrole	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39)	
Sulfotep	NA	NA	NA	NA	NA	
Thionazin	ND(0.41)	NA	ND(0.50)	ND(1.1) [ND(1.3)]	ND(0.39) J	
Total Phenols	NA	NA	NA	NA	NA	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-L18 1-3 09/11/02	RAA12-L18 6-8 09/11/02	RAA12-L18 6-10 09/11/02	RAA12-M14 0-1 12/04/02	RAA12-M20 0-1 09/11/02
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA
Isodrin	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	0.000072 Y	NA	0.0000042 J	0.0000054 J [0.0000043 J]	0.000010 J	
TCDFs (total)	0.000059	NA	0.000029	0.000047 [0.000039]	0.000065	
1,2,3,7,8-PeCDF	0.000023	NA	0.0000016 J	0.0000032 J [ND(0.0000026) X]	0.0000040 J	
2,3,4,7,8-PeCDF	0.000033	NA	0.0000028 J	0.0000048 J [0.0000037 J]	0.0000051 J	
PeCDFs (total)	0.000040	NA	0.000022	0.000051 [0.000034 Q]	0.000049	
1,2,3,4,7,8-HxCDF	0.000024	NA	0.0000024 J	0.0000040 J [0.0000035 J]	0.0000046 J	
1,2,3,6,7,8-HxCDF	0.000013 J	NA	0.0000025 J	0.0000033 J [ND(0.0000028)]	0.0000031 J	
1,2,3,7,8,9-HxCDF	0.0000046 J	NA	ND(0.0000032)	ND(0.0000021) [0.00000082 J]	ND(0.0000027)	
2,3,4,6,7,8-HxCDF	0.000018 J	NA	0.0000039 J	0.0000032 J [ND(0.0000025) X]	ND(0.0000033) X	
HxCDFs (total)	0.000022	NA	0.000022	0.000034 J [0.000019 J]	0.000042	
1,2,3,4,6,7,8-HpCDF	0.000035	NA	0.000012 J	0.000011 J [0.0000089 J]	0.0000079 J	
1,2,3,4,7,8,9-HpCDF	0.0000046 J	NA	ND(0.0000032)	ND(0.0000013) X [ND(0.0000011) X]	ND(0.0000027)	
HpCDFs (total)	0.000064	NA	0.000012	0.000018 J [0.0000089 J]	0.000016	
OCDF	0.000031 J	NA	ND(0.0000042) X	ND(0.0000084) X [0.0000089 J]	0.000010 J	
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.0000024)	NA	ND(0.0000024)	ND(0.0000084) [ND(0.0000011)]	ND(0.0000024)	
TCDDs (total)	0.000015	NA	0.000014	ND(0.0000027) [ND(0.0000011)]	0.0000032	
1,2,3,7,8-PeCDD	0.0000016 J	NA	ND(0.0000032)	0.0000012 J [ND(0.0000097) X]	ND(0.0000027)	
PeCDDs (total)	0.000010	NA	0.000057	0.0000012 [ND(0.0000056)]	0.0000016	
1,2,3,4,7,8-HxCDD	ND(0.0000028)	NA	ND(0.0000032)	ND(0.0000021) [0.00000085 J]	ND(0.0000029)	
1,2,3,6,7,8-HxCDD	0.0000021 J	NA	ND(0.0000032)	ND(0.0000016) X [ND(0.0000012) X]	ND(0.0000027)	
1,2,3,7,8,9-HxCDD	ND(0.0000023) X	NA	ND(0.0000032)	ND(0.0000021) [ND(0.0000012) X]	ND(0.0000027)	
HxCDDs (total)	0.0000077	NA	0.000053	0.0000011 J [0.0000036 J]	ND(0.0000027)	
1,2,3,4,6,7,8-HpCDD	0.000015 J	NA	0.0000075 J	ND(0.0000068) [ND(0.0000066)]	0.0000074 J	
HpCDDs (total)	0.000032	NA	0.000014	0.000013 [0.000012]	0.000013	
OCDD	0.000083	NA	ND(0.000032)	ND(0.000038) [ND(0.000036)]	ND(0.000047)	
Total TEQs (WHO TEFs)	0.000035	NA	0.0000064	0.0000063 [0.0000044]	0.0000080	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-L18 RAA12-L18 1-3 09/11/02	RAA12-L18 RAA12-L18 6-8 09/11/02	RAA12-L18 RAA12-L18 6-10 09/11/02	RAA12-M14 RAA12-M14 0-1 12/04/02	RAA12-M20 RAA12-M20 0-1 09/11/02
<b>Inorganics</b>						
Aluminum	NA	NA	NA	NA	NA	NA
Antimony	ND(6.0)	NA	ND(6.0)	ND(6.00) [0.93 B]	ND(6.0)	ND(6.0)
Arsenic	14.0	NA	24.0	2.50 J [7.10 J]	6.90	
Barium	120	NA	210	16.0 J [63.0 J]	69.0	
Beryllium	0.300 B	NA	0.440 B	ND(0.50) [ND(0.50)]	0.260 B	
Cadmium	0.620	NA	1.70	0.330 B [0.600]	0.310 B	
Calcium	NA	NA	NA	NA	NA	NA
Chromium	9.70	NA	14.0	3.60 J [6.40 J]	7.30	
Cobalt	8.50	NA	7.60	4.50 B [6.20]	5.90	
Copper	79.0	NA	110	20.0 [32.0]	32.0	
Cyanide	ND(0.120)	NA	ND(0.300)	ND(0.110) [ND(0.110)]	0.190	
Iron	NA	NA	NA	NA	NA	NA
Lead	310	NA	2000	33.0 J [120 J]	170	
Magnesium	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA
Mercury	0.480 B	NA	1.30 B	0.0830 B [0.100 B]	0.150 B	
Nickel	15.0	NA	19.0	7.00 [10.0]	10.0	
Potassium	NA	NA	NA	NA	NA	NA
Selenium	ND(1.00)	NA	3.80	ND(1.00) J [ND(1.00) J]	ND(1.00)	
Silver	ND(1.00)	NA	0.520 B	ND(1.00) [0.400 B]	ND(1.00)	
Sodium	NA	NA	NA	NA	NA	NA
Sulfide	33.0	NA	87.0	22.0 [26.0]	30.0	
Thallium	ND(1.20) J	NA	2.00 B	ND(1.10) J [ND(1.10) J]	1.00 B	
Tin	28.0	NA	870	3.30 B [7.00 B]	100	
Vanadium	15.0	NA	16.0	7.60 [11.0]	13.0	
Zinc	200	NA	820	34.0 J [90.0 J]	81.0	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID: Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA12-N16 RAA12-N16 1-3 12/10/02	RAA12-N16 RAA12-N16 6-8 12/10/02	RAA12-N16 RAA12-N16 6-10 12/10/02	RAA12-N16 RAA12-N16 10-15 12/10/02	RAA12-N17 RAA12-N17 0-1 12/02/02	RAA12-N18 RAA12-N18 3-5 12/03/02
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
1,1,1-trichloro-2,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
1,1,2,2-Tetrachloroethane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
1,1-Dichloroethane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
1,1-Dichloroethene	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
1,2-Dibromoethane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
1,2-Dichloroethene (total)	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA
1,4-Dioxane	ND(0.12) J [ND(0.12) J]	ND(0.14) J	NA	NA	ND(0.11) J	ND(0.13)
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA
2-Butanone	ND(0.012) [ND(0.012)]	ND(0.014)	NA	NA	ND(0.011)	ND(0.013)
2-Chloro-1,3-butadiene	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
2-Chloroethylvinylether	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
2-Chlorotoluene	NA	NA	NA	NA	NA	NA
2-Hexanone	ND(0.012) [ND(0.012)]	ND(0.014)	NA	NA	ND(0.011)	ND(0.013)
3-Chloropropene	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
4-Chlorotoluene	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	ND(0.012) [ND(0.012)]	ND(0.014)	NA	NA	ND(0.011)	ND(0.013)
Acetone	ND(0.024) [ND(0.025)]	ND(0.027)	NA	NA	ND(0.022)	ND(0.026)
Acetonitrile	ND(0.12) [ND(0.12)]	ND(0.14)	NA	NA	ND(0.11)	ND(0.13)
Acrolein	ND(0.12) J [ND(0.12) J]	ND(0.14) J	NA	NA	ND(0.11) J	ND(0.13) J
Acrylonitrile	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054) J	ND(0.0065) J
Benzene	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Bromobenzene	NA	NA	NA	NA	NA	NA
Bromochloromethane	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Bromoform	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Bromomethane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Carbon Disulfide	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Carbon Tetrachloride	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Chlorobenzene	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Chloroethane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Chloroform	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Chloromethane	ND(0.0060) J [ND(0.0062) J]	ND(0.0068) J	NA	NA	ND(0.0054)	ND(0.0065)
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
cis-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA	NA
Crotonaldehyde	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Dibromomethane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Dichlorodifluoromethane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054) J	ND(0.0065)
Ethyl Methacrylate	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Ethylbenzene	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Freon 12	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA
Iodomethane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Isobutanol	ND(0.12) [ND(0.12)]	ND(0.14)	NA	NA	ND(0.11)	ND(0.13)

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID: Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA12-N16 RAA12-N16 1-3 12/10/02	RAA12-N16 RAA12-N16 6-8 12/10/02	RAA12-N16 RAA12-N16 6-10 12/10/02	RAA12-N16 RAA12-N16 10-15 12/10/02	RAA12-N17 RAA12-N17 0-1 12/02/02	RAA12-N18 RAA12-N18 3-5 12/03/02
<b>Volatile Organics (continued)</b>						
Isopropylbenzene	NA	NA	NA	NA	NA	NA
m&p-Xylene	NA	NA	NA	NA	NA	NA
Methacrylonitrile	ND(0.0060) J [ND(0.0062) J]	ND(0.0068) J	NA	NA	ND(0.0054)	ND(0.0065)
Methyl Methacrylate	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Methylene Chloride	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Naphthalene	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA
Propionitrile	ND(0.012) [ND(0.012)]	ND(0.014)	NA	NA	ND(0.011)	ND(0.013)
sec-Butylbenzene	NA	NA	NA	NA	NA	NA
Styrene	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
tert-Butylbenzene	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Tetrahydrofuran	NA	NA	NA	NA	NA	NA
Toluene	ND(0.0060) [0.0096]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
trans-1,2-Dichloroethene	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
trans-1,3-Dichloropropene	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
trans-1,4-Dichloro-2-butene	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Trichloroethene	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Trichlorofluoromethane	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Vinyl Acetate	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Vinyl Chloride	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
Xylenes (total)	ND(0.0060) [ND(0.0062)]	ND(0.0068)	NA	NA	ND(0.0054)	ND(0.0065)
<b>Semivolatile Organics</b>						
1,2,3,4-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA
1,2,3,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
1,2,4-Trichlorobenzene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
1,2-Dichlorobenzene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
1,2-Diphenylhydrazine	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
1,3,5-Trichlorobenzene	NA	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
1,3-Dichlorobenzene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
1,3-Dinitrobenzene	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA
1,4-Dichlorobenzene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
1,4-Dinitrobenzene	NA	NA	NA	NA	NA	NA
1,4-Naphthoquinone	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA
1-Chloronaphthalene	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA
1-Naphthylamine	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA
2,3,4,6-Tetrachlorophenol	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
2,4,5-Trichlorophenol	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
2,4,6-Trichlorophenol	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
2,4-Dichlorophenol	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
2,4-Dimethylphenol	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
2,4-Dinitrophenol	ND(2.0) J [ND(2.1) J]	NA	ND(2.3) J	ND(2.3) J	ND(1.8)	NA
2,4-Dinitrotoluene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
2,6-Dichlorophenol	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
2,6-Dinitrotoluene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
2-Acetylaminofluorene	ND(0.81) J [ND(0.82) J]	NA	ND(0.91) J	ND(0.89) J	ND(0.72)	NA
2-Chloronaphthalene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
2-Chlorophenol	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
2-Methylnaphthalene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
2-Methylphenol	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
2-Naphthylamine	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA
2-Nitroaniline	ND(2.0) [ND(2.1)]	NA	ND(2.3)	ND(2.3)	ND(1.8)	NA
2-Nitrophenol	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA
2-Phenylenediamine	NA	NA	NA	NA	NA	NA
2-Picoline	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID: Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA12-N16 RAA12-N16 1-3 12/10/02	RAA12-N16 RAA12-N16 6-8 12/10/02	RAA12-N16 RAA12-N16 6-10 12/10/02	RAA12-N16 RAA12-N16 10-15 12/10/02	RAA12-N17 RAA12-N17 0-1 12/02/02	RAA12-N18 RAA12-N18 3-5 12/03/02
<b>Semivolatile Organics (continued)</b>						
3&4-Methylphenol	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA
3,3'-Dichlorobenzidine	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA
3,3'-Dimethoxybenzidine	NA	NA	NA	NA	NA	NA
3,3'-Dimethylbenzidine	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36) J	NA
3-Methylcholanthrene	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA
3-Methylphenol	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(2.0) [ND(2.1)]	NA	ND(2.3)	ND(2.3)	ND(1.8)	NA
3-Phenylenediamine	NA	NA	NA	NA	NA	NA
4,4'-Methylene-bis(2-chloroaniline)	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
4-Aminobiphenyl	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA
4-Bromophenyl-phenylether	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36) J	NA
4-Chloro-3-Methylphenol	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
4-Chloroaniline	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
4-Chlorobenzilate	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA
4-Chlorophenyl-phenylether	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ND(2.0) [ND(2.1)]	NA	ND(2.3)	ND(2.3)	ND(1.8)	NA
4-Nitrophenol	ND(2.0) J [ND(2.1) J]	NA	ND(2.3) J	ND(2.3) J	ND(1.8) J	NA
4-Nitroquinoline-1-oxide	ND(0.81) J [ND(0.82) J]	NA	ND(0.91) J	ND(0.89) J	ND(0.72)	NA
4-Phenylenediamine	ND(0.81) J [ND(0.82) J]	NA	ND(0.91) J	ND(0.89) J	ND(0.72) J	NA
5-Nitro-o-toluidine	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA
7,12-Dimethylbenz(a)anthracene	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA
a,a'-Dimethylphenethylamine	ND(0.81) J [ND(0.82) J]	NA	ND(0.91) J	ND(0.89) J	ND(0.72)	NA
Acenaphthene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
Acenaphthylene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	0.12 J	NA
Acetophenone	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
Aniline	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36) J	NA
Anthracene	0.16 J [0.12 J]	NA	ND(0.45)	ND(0.44)	0.19 J	NA
Aramite	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA
Azobenzene	NA	NA	NA	NA	NA	NA
Benzal chloride	NA	NA	NA	NA	NA	NA
Benzidine	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA
Benz(a)anthracene	0.51 [0.33 J]	NA	ND(0.45)	ND(0.44)	0.65 J	NA
Benz(a)pyrene	0.42 [0.26 J]	NA	ND(0.45)	ND(0.44)	0.64	NA
Benz(b)fluoranthene	0.39 J [0.26 J]	NA	ND(0.45)	ND(0.44)	0.55	NA
Benz(g,h,i)perylene	0.31 J [0.15 J]	NA	ND(0.45)	ND(0.44)	0.54	NA
Benz(k)fluoranthene	0.23 J [0.16 J]	NA	ND(0.45)	ND(0.44)	0.26 J	NA
Benzoic Acid	NA	NA	NA	NA	NA	NA
Benzotrichloride	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA
Benzyl Chloride	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
bis(2-Chloroethyl)ether	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
bis(2-Chloroisopropyl)ether	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
bis(2-Ethylhexyl)adipate	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.40) [ND(0.40)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
Butylbenzylphthalate	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
Carbazole	NA	NA	NA	NA	NA	NA
Chrysene	0.32 J [0.23 J]	NA	ND(0.45)	ND(0.44)	0.46	NA
Cyclophosphamide	NA	NA	NA	NA	NA	NA
Diallate (cis isomer)	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA
Diallate (trans isomer)	NA	NA	NA	NA	NA	NA
Dibenz(a,j)acridine	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
Dibenzo-furan	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
Diethylphthalate	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
Dimethoate	NA	NA	NA	ND(2.3)	NA	NA
Dimethylphthalate	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
Di-n-Butylphthalate	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA
Di-n-Octylphthalate	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-N16 RAA12-N16 1-3 12/10/02	RAA12-N16 RAA12-N16 6-8 12/10/02	RAA12-N16 RAA12-N16 6-10 12/10/02	RAA12-N16 RAA12-N16 10-15 12/10/02	RAA12-N17 RAA12-N17 0-1 12/02/02	RAA12-N18 RAA12-N18 3-5 12/03/02
<b>Semivolatile Organics (continued)</b>							
Dinoseb	NA	NA	NA	ND(0.44)	NA	NA	NA
Diphenylamine	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Disulfoton	NA	NA	NA	ND(0.89)	NA	NA	NA
Ethyl Methacrylate	NA	NA	NA	NA	NA	NA	NA
Ethyl Methanesulfonate	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Ethyl Parathion	NA	NA	NA	ND(0.89)	NA	NA	NA
Famphur	NA	NA	NA	ND(0.44)	NA	NA	NA
Fluoranthene	0.77 [0.49]	NA	ND(0.45)	ND(0.44)	0.94	NA	NA
Fluorene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Hexachlorobenzene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Hexachlorobutadiene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Hexachlorocyclopentadiene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Hexachloroethane	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Hexachlorophene	ND(0.81) J [ND(0.82) J]	NA	ND(0.91) J	ND(0.89) J	ND(0.72) J	NA	NA
Hexachloropropene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Indeno(1,2,3-cd)pyrene	0.30 J [0.14 J]	NA	ND(0.45)	ND(0.44)	0.34 J	NA	NA
Isodrin	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Isophorone	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Isosafrole	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA	NA
Kepone	NA	NA	NA	ND(0.44)	NA	NA	NA
Methapyrilene	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72) J	NA	NA
Methyl Methanesulfonate	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Methyl Parathion	NA	NA	NA	ND(0.89)	NA	NA	NA
Naphthalene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Nitrobenzene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
N-Nitrosodiethylamine	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
N-Nitrosodimethylamine	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
N-Nitroso-di-n-butylamine	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA	NA
N-Nitroso-di-n-propylamine	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
N-Nitrosodiphenylamine	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
N-Nitrosomethylalkylamine	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA	NA
N-Nitrosomorpholine	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
N-Nitrosopiperidine	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
N-Nitrosopyrrolidine	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA	NA
o,o,o-Triethylphosphorothioate	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
o-Toluidine	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Paraldehyde	NA	NA	NA	NA	NA	NA	NA
p-Dimethylaminoazobenzene	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA	NA
Pentachlorobenzene	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Pentachloroethane	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Pentachloronitrobenzene	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA	NA
Pentachlorophenol	ND(2.0) [ND(2.1)]	NA	ND(2.3)	ND(2.3)	ND(1.8)	NA	NA
Phenacetin	ND(0.81) [ND(0.82)]	NA	ND(0.91)	ND(0.89)	ND(0.72)	NA	NA
Phenanthrene	0.55 [0.46]	NA	ND(0.45)	ND(0.44)	0.67	NA	NA
Phenol	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Phorate	NA	NA	NA	ND(0.89)	NA	NA	NA
Pronamide	ND(0.40) J [ND(0.41) J]	NA	ND(0.45) J	ND(0.44) J	ND(0.36)	NA	NA
Pyrene	0.80 [0.60]	NA	ND(0.45)	ND(0.44)	0.97	NA	NA
Pyridine	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Safrole	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Sulfotep	NA	NA	NA	ND(0.89)	NA	NA	NA
Thionazin	ND(0.40) [ND(0.41)]	NA	ND(0.45)	ND(0.44)	ND(0.36)	NA	NA
Total Phenols	NA	NA	NA	NA	NA	NA	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID: Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA12-N16 RAA12-N16 1-3 12/10/02	RAA12-N16 RAA12-N16 6-8 12/10/02	RAA12-N16 RAA12-N16 6-10 12/10/02	RAA12-N16 RAA12-N16 10-15 12/10/02	RAA12-N17 RAA12-N17 0-1 12/02/02	RAA12-N18 RAA12-N18 3-5 12/03/02
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	ND(0.016)	NA	NA
4,4'-DDE	NA	NA	NA	ND(0.016)	NA	NA
4,4'-DDT	NA	NA	NA	ND(0.016)	NA	NA
Aldrin	NA	NA	NA	ND(0.0080)	NA	NA
Alpha-BHC	NA	NA	NA	ND(0.0080)	NA	NA
Alpha-Chlordane	NA	NA	NA	ND(0.0080)	NA	NA
Beta-BHC	NA	NA	NA	ND(0.0080)	NA	NA
Delta-BHC	NA	NA	NA	ND(0.0080)	NA	NA
Dieldrin	NA	NA	NA	ND(0.016)	NA	NA
Endosulfan I	NA	NA	NA	ND(0.016)	NA	NA
Endosulfan II	NA	NA	NA	ND(0.016)	NA	NA
Endosulfan Sulfate	NA	NA	NA	ND(0.016)	NA	NA
Endrin	NA	NA	NA	ND(0.016)	NA	NA
Endrin Aldehyde	NA	NA	NA	ND(0.016)	NA	NA
Endrin Ketone	NA	NA	NA	ND(0.016)	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	ND(0.0080)	NA	NA
Gamma-Chlordane	NA	NA	NA	ND(0.0080)	NA	NA
Heptachlor	NA	NA	NA	ND(0.0080)	NA	NA
Heptachlor Epoxide	NA	NA	NA	ND(0.0080)	NA	NA
Isodrin	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	ND(0.080)	NA	NA
Technical Chlordane	NA	NA	NA	ND(0.11)	NA	NA
Toxaphene	NA	NA	NA	ND(0.21)	NA	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	ND(0.43)	NA	NA
2,4,5-TP	NA	NA	NA	ND(0.43)	NA	NA
2,4-D	NA	NA	NA	ND(0.80)	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	ND(0.0000012) X [ND(0.0000014)]	NA	0.0000060 J	ND(0.0000027)	ND(0.0000044)	NA
TCDFs (total)	0.0000033 [ND(0.0000014)]	NA	0.000048	ND(0.0000027)	ND(0.0000044) Q	NA
1,2,3,7,8-PeCDF	ND(0.0000092) [0.0000011 J]	NA	0.0000024 J	ND(0.0000062)	0.0000021 J	NA
2,3,4,7,8-PeCDF	0.0000011 J [ND(0.0000014) X]	NA	ND(0.0000034) X	ND(0.0000062)	ND(0.0000016) XQ	NA
PeCDFs (total)	0.0000054 [0.0000067]	NA	0.000026	ND(0.0000062)	0.0000093 Q	NA
1,2,3,4,7,8-HxCDF	0.0000010 J [ND(0.0000011) X]	NA	ND(0.0000023) X	ND(0.0000062)	0.0000023 J	NA
1,2,3,6,7,8-HxCDF	ND(0.00000091) X [0.0000014 J]	NA	0.0000019 J	ND(0.0000062)	0.0000024 J	NA
1,2,3,7,8,9-HxCDF	ND(0.0000013) [ND(0.0000023)]	NA	0.00000084 J	ND(0.0000062)	ND(0.0000025)	NA
2,3,4,6,7,8-HxCDF	0.0000010 J [ND(0.0000085) X]	NA	ND(0.0000023) X	ND(0.0000062)	0.0000023 J	NA
HxCDFs (total)	0.0000044 [0.0000049]	NA	0.000011	ND(0.0000062)	0.000016	NA
1,2,3,4,6,7,8-HpCDF	0.0000025 J [0.0000025 J]	NA	0.0000046 J	ND(0.0000062)	0.0000054 J	NA
1,2,3,4,7,8,9-HpCDF	ND(0.00000038) X [ND(0.0000023)]	NA	0.0000042 J	ND(0.0000062)	ND(0.0000025)	NA
HpCDFs (total)	0.0000025 [0.0000025]	NA	0.0000051	ND(0.0000062)	0.0000054	NA
OCDF	0.0000026 J [ND(0.0000019) X]	NA	0.0000016 J	ND(0.0000012)	0.0000058 J	NA
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.0000059) [ND(0.0000013)]	NA	ND(0.0000095)	ND(0.0000028)	ND(0.0000010)	NA
TCDDs (total)	ND(0.0000088) [ND(0.000024)]	NA	0.0000091	ND(0.0000068)	0.000016 Q	NA
1,2,3,7,8-PeCDD	ND(0.0000056) X [ND(0.0000023)]	NA	ND(0.0000018)	ND(0.0000062)	ND(0.0000025)	NA
PeCDDs (total)	ND(0.0000013) [ND(0.0000041)]	NA	0.0000039	ND(0.0000095)	0.0000080 Q	NA
1,2,3,4,7,8-HxCDD	ND(0.00000081) X [ND(0.0000025)]	NA	ND(0.0000018)	ND(0.0000069)	ND(0.0000025)	NA
1,2,3,6,7,8-HxCDD	0.0000016 J [ND(0.0000023)]	NA	ND(0.0000018)	ND(0.0000064)	ND(0.0000025)	NA
1,2,3,7,8,9-HxCDD	ND(0.00000064) X [ND(0.0000023)]	NA	ND(0.0000018)	ND(0.0000065)	0.0000018 J	NA
HxCDDs (total)	0.0000030 [ND(0.0000050)]	NA	0.0000092	ND(0.0000085)	0.000013	NA
1,2,3,4,6,7,8-HpCDD	0.0000037 J [ND(0.0000026) X]	NA	ND(0.0000027)	ND(0.0000054)	0.0000082 J	NA
HpCDDs (total)	0.0000037 [ND(0.0000020)]	NA	ND(0.0000052)	ND(0.0000054)	0.000014	NA
OCDD	ND(0.000016) [ND(0.000015)]	NA	ND(0.000011)	ND(0.0000026)	0.000042 J	NA
Total TEQs (WHO TEFs)	0.0000018 [0.0000030]	NA	0.0000038	0.0000087	0.0000039	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-N16 RAA12-N16 1-3 12/10/02	RAA12-N16 RAA12-N16 6-8 12/10/02	RAA12-N16 RAA12-N16 6-10 12/10/02	RAA12-N16 RAA12-N16 10-15 12/10/02	RAA12-N17 RAA12-N17 0-1 12/02/02	RAA12-N18 RAA12-N18 3-5 12/03/02
<b>Inorganics</b>							
Aluminum	NA	NA	NA	NA	NA	NA	NA
Antimony	ND(6.00) [ND(6.00)]	NA	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)	NA
Arsenic	3.50 J [9.00 J]	NA	2.20 J	1.80 J	9.10	NA	NA
Barium	16.0 J [150 J]	NA	28.0 J	34.0 J	29.0	NA	NA
Beryllium	ND(0.50) [ND(0.50)]	NA	ND(0.50)	ND(0.50)	ND(0.500)	NA	NA
Cadmium	0.380 B [0.390 B]	NA	0.570	0.310 B	ND(0.500)	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA
Chromium	5.50 [6.50]	NA	7.70	7.70	8.00	NA	NA
Cobalt	7.00 [5.00]	NA	8.20	6.60	7.90	NA	NA
Copper	13.0 [20.0]	NA	7.00	8.00	23.0	NA	NA
Cyanide	ND(0.240) [ND(0.120)]	NA	ND(0.140)	ND(0.130)	ND(0.110)	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA
Lead	6.40 J [150 J]	NA	4.80 J	4.30 J	89.0	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA
Mercury	0.730 J [0.430 J]	NA	0.0610 J	0.0720 J	ND(0.110)	NA	NA
Nickel	11.0 [8.40]	NA	11.0	10.0	12.0	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA
Selenium	ND(1.00) [ND(1.00)]	NA	ND(1.00)	ND(1.00)	ND(1.00)	NA	NA
Silver	0.110 B [ND(1.00)]	NA	ND(1.00)	ND(1.00)	ND(1.00)	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA
Sulfide	68.0 [43.0]	NA	35.0	48.0	23.0	NA	NA
Thallium	ND(1.20) J [ND(1.20) J]	NA	ND(1.40) J	ND(1.30) J	ND(1.60)	NA	NA
Tin	ND(10.0) J [5.40 J]	NA	ND(10.0) J	ND(10.0) J	18.0	NA	NA
Vanadium	8.80 [8.30]	NA	8.50	8.60	26.0	NA	NA
Zinc	32.0 J [93.0 J]	NA	160 J	45.0 J	53.0	NA	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-N18 RAA12-N18 3-6 12/03/02	RAA12-O16 RAA12-O16 0-1 12/02/02	RAA12-O16 RAA12-O16 1-3 07/09/03	RAA12-O16 RAA12-O16 3-6 07/09/03	RAA12-O16NE RAA12-O16NE 0-1 07/09/03	RAA12-O16NW RAA12-O16NW 0-1 07/09/03	RAA12-O16S RAA12-O16S 0-1 07/09/03
<b>Volatile Organics</b>								
1,1,1,2-Tetrachloroethane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
1,1,1-trichloro-2,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (total)	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NA	ND(0.13) J	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	NA	ND(0.013)	NA	NA	NA	NA	NA	NA
2-Chloro-1,3-butadiene	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
2-Chloroethylvinylether	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	ND(0.013)	NA	NA	NA	NA	NA	NA
3-Chloropropene	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NA	ND(0.013)	NA	NA	NA	NA	NA	NA
Acetone	NA	ND(0.026)	NA	NA	NA	NA	NA	NA
Acetonitrile	NA	ND(0.13)	NA	NA	NA	NA	NA	NA
Acrolein	NA	ND(0.13) J	NA	NA	NA	NA	NA	NA
Acrylonitrile	NA	ND(0.0065) J	NA	NA	NA	NA	NA	NA
Benzene	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Bromobenzene	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Bromoform	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Bromomethane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	0.23	NA	NA	NA	NA	NA	NA
Chloroethane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Chloroform	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Chloromethane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
cis-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA	NA	NA	NA
Crotonaldehyde	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Dibromomethane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NA	ND(0.0065) J	NA	NA	NA	NA	NA	NA
Ethyl Methacrylate	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Freon 12	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA
Iodomethane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Isobutanol	NA	ND(0.13)	NA	NA	NA	NA	NA	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-N18 RAA12-N18 3-6 12/03/02	RAA12-O16 RAA12-O16 0-1 12/02/02	RAA12-O16 RAA12-O16 1-3 07/09/03	RAA12-O16 RAA12-O16 3-6 07/09/03	RAA12-O16NE RAA12-O16NE 0-1 07/09/03	RAA12-O16NW RAA12-O16NW 0-1 07/09/03	RAA12-O16S RAA12-O16S 0-1 07/09/03
<b>Volatile Organics (continued)</b>								
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylene	NA	NA	NA	NA	NA	NA	NA	NA
Methacrylonitrile	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Methyl Methacrylate	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA
Propionitrile	NA	ND(0.013)	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Vinyl Acetate	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Vinyl Chloride	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
Xylenes (total)	NA	ND(0.0065)	NA	NA	NA	NA	NA	NA
<b>Semivolatile Organics</b>								
1,2,3,4-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
1,3,5-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
1,3-Dinitrobenzene	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
1,4-Dinitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Naphthoquinone	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
1-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA
1-Naphthylamine	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	ND(2.2)	ND(2.2)	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
2,6-Dichlorophenol	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
2-Acetylaminofluorene	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ND(0.43)	3.0	NA	NA	NA	NA	NA	NA
2-Methylphenol	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
2-Naphthylamine	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ND(2.2)	ND(2.2)	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
2-Phenylenediamine	NA	NA	NA	NA	NA	NA	NA	NA
2-Picoline	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-N18 RAA12-N18 3-6 12/03/02	RAA12-O16 RAA12-O16 0-1 12/02/02	RAA12-O16 RAA12-O16 1-3 07/09/03	RAA12-O16 RAA12-O16 3-6 07/09/03	RAA12-O16NE RAA12-O16NE 0-1 07/09/03	RAA12-O16NW RAA12-O16NW 0-1 07/09/03	RAA12-O16S RAA12-O16S 0-1 07/09/03
<b>Semivolatile Organics (continued)</b>								
3&4-Methylphenol	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
3,3'-Dimethoxybenzidine	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dimethylbenzidine	ND(0.43) J	ND(0.43) J	NA	NA	NA	NA	NA	NA
3-Methylcholanthrene	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(2.2)	ND(2.2)	NA	NA	NA	NA	NA	NA
3-Phenylenediamine	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-Methylene-bis(2-chloroaniline)	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
4-Aminobiphenyl	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	ND(0.43) J	ND(0.43) J	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
4-Chloroaniline	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
4-Chlorobenzilate	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ND(2.2)	ND(2.2)	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ND(2.2) J	ND(2.2) J	NA	NA	NA	NA	NA	NA
4-Nitroquinoline-1-oxide	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
4-Phenylenediamine	ND(0.87) J	ND(0.87) J	NA	NA	NA	NA	NA	NA
5-Nitro-o-toluidine	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
7,12-Dimethylbenz(a)anthracene	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
a,a'-Dimethylphenethylamine	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
Acenaphthene	0.10 J	15	NA	NA	NA	NA	NA	NA
Acenaphthylene	0.14 J	1.1	NA	NA	NA	NA	NA	NA
Acetophenone	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Aniline	ND(0.43) J	ND(0.43) J	NA	NA	NA	NA	NA	NA
Anthracene	0.34 J	39	NA	NA	NA	NA	NA	NA
Aramite	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
Azobenzene	NA	NA	NA	NA	NA	NA	NA	NA
Benzal chloride	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
Benz(a)anthracene	1.1	72 J	NA	NA	NA	NA	NA	NA
Benz(a)pyrene	1.0	61	NA	NA	NA	NA	NA	NA
Benz(b)fluoranthene	1.0	63	NA	NA	NA	NA	NA	NA
Benz(g,h,i)perylene	0.78	29	NA	NA	NA	NA	NA	NA
Benz(k)fluoranthene	0.41 J	23	NA	NA	NA	NA	NA	NA
Benzoic Acid	NA	NA	NA	NA	NA	NA	NA	NA
Benzotrichloride	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
Benzyl Chloride	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)adipate	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.90	62	NA	NA	NA	NA	NA	NA
Cyclophosphamide	NA	NA	NA	NA	NA	NA	NA	NA
Diallate	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
Diallate (cis isomer)	NA	NA	NA	NA	NA	NA	NA	NA
Diallate (trans isomer)	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,j)acridine	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	0.20 J	8.9	NA	NA	NA	NA	NA	NA
Dibenzo(f,g)furran	ND(0.43)	6.5	NA	NA	NA	NA	NA	NA
Diethylphthalate	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Dimethoate	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-N18 RAA12-N18 3-6 12/03/02	RAA12-O16 RAA12-O16 0-1 12/02/02	RAA12-O16 RAA12-O16 1-3 07/09/03	RAA12-O16 RAA12-O16 3-6 07/09/03	RAA12-O16NE RAA12-O16NE 0-1 07/09/03	RAA12-O16NW RAA12-O16NW 0-1 07/09/03	RAA12-O16S RAA12-O16S 0-1 07/09/03
<b>Semivolatile Organics (continued)</b>								
Dinoseb	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Methacrylate	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Methanesulfonate	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA	NA	NA	NA	NA
Famphur	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1.7	160	NA	NA	NA	NA	NA	NA
Fluorene	0.089 J	15	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Hexachloroethane	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Hexachlorophene	ND(0.87)	ND(0.87) J	NA	NA	NA	NA	NA	NA
Hexachloropropene	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.67	25	NA	NA	NA	NA	NA	NA
Isodrin	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Isophorone	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Iosafrole	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA	NA	NA
Methaphyrilene	ND(0.87) J	ND(0.87) J	NA	NA	NA	NA	NA	NA
Methyl Methanesulfonate	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	0.092 J	3.6	NA	NA	NA	NA	NA	NA
Nitrobenzene	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
N-Nitrosodiethylamine	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
N-Nitrosodimethylamine	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-butylamine	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
N-Nitrosomethylalkylamine	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
N-Nitrosomorpholine	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
N-Nitrosopiperidine	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
N-Nitrosopyrrolidine	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
o,o,o-Triethylphosphorothioate	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
o-Toluidine	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Paraldehyde	NA	NA	NA	NA	NA	NA	NA	NA
p-Dimethylaminoazobenzene	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
Pentachlorobenzene	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Pentachloroethane	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Pentachloronitrobenzene	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ND(2.2)	ND(2.2)	NA	NA	NA	NA	NA	NA
Phenacetin	ND(0.87)	ND(0.87)	NA	NA	NA	NA	NA	NA
Phenanthrene	1.1	160	NA	NA	NA	NA	NA	NA
Phenol	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Phorate	NA	NA	NA	NA	NA	NA	NA	NA
Pronamide	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Pyrene	2.0	180	NA	NA	NA	NA	NA	NA
Pyridine	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Safrole	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA	NA	NA	NA	NA
Thionazin	ND(0.43)	ND(0.43)	NA	NA	NA	NA	NA	NA
Total Phenols	NA	NA	NA	NA	NA	NA	NA	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-N18 RAA12-N18 3-6 12/03/02	RAA12-O16 RAA12-O16 0-1 12/02/02	RAA12-O16 RAA12-O16 1-3 07/09/03	RAA12-O16 RAA12-O16 3-6 07/09/03	RAA12-O16NE RAA12-O16NE 0-1 07/09/03	RAA12-O16NW RAA12-O16NW 0-1 07/09/03	RAA12-O16S RAA12-O16S 0-1 07/09/03
<b>Organochlorine Pesticides</b>								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA	NA	NA
Isodrin	NA	NA	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA	NA	NA
<b>Herbicides</b>								
2,4,5-T	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA	NA	NA
<b>Furans</b>								
2,3,7,8-TCDF	0.000014 Y	0.0000013 J	NA	NA	NA	NA	NA	NA
TCDFs (total)	0.000016	0.0000021	NA	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDF	0.0000062 J	ND(0.0000027)	NA	NA	NA	NA	NA	NA
2,3,4,7,8-PeCDF	0.0000097 J	ND(0.0000069) X	NA	NA	NA	NA	NA	NA
PeCDFs (total)	0.000011 Q	0.0000017	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF	ND(0.0000088) X	ND(0.0000027)	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF	0.0000065 J	ND(0.0000077) X	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDF	ND(0.0000030)	ND(0.0000027)	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	0.0000068 J	ND(0.0000027)	NA	NA	NA	NA	NA	NA
HxCDFs (total)	0.0000074	0.0000028	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	0.000026 J	ND(0.0000027) X	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	0.0000019 J	ND(0.0000027)	NA	NA	NA	NA	NA	NA
HpCDFs (total)	0.000041	0.0000036	NA	NA	NA	NA	NA	NA
OCDF	0.000014 J	0.0000059 J	NA	NA	NA	NA	NA	NA
<b>Dioxins</b>								
2,3,7,8-TCDD	ND(0.0000017) X	ND(0.0000013) X	NA	NA	NA	NA	NA	NA
TCDDs (total)	0.0000050	ND(0.0000034)	NA	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDD	0.0000019 J	ND(0.0000027)	NA	NA	NA	NA	NA	NA
PeCDDs (total)	0.0000079	ND(0.0000043)	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDD	ND(0.0000030)	ND(0.0000027)	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD	ND(0.0000022) X	ND(0.0000027)	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDD	ND(0.0000030)	ND(0.0000027)	NA	NA	NA	NA	NA	NA
HxCDDs (total)	0.000016	ND(0.0000055)	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	0.000015 J	0.0000083 J	NA	NA	NA	NA	NA	NA
HpCDDs (total)	0.000034	0.000014	NA	NA	NA	NA	NA	NA
OCDD	0.00018	0.000048 J	NA	NA	NA	NA	NA	NA
Total TEQs (WHO TEFs)	0.000012	0.0000033	NA	NA	NA	NA	NA	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-N18 RAA12-N18 3-6 12/03/02	RAA12-O16 RAA12-O16 0-1 12/02/02	RAA12-O16 RAA12-O16 1-3 07/09/03	RAA12-O16 RAA12-O16 3-6 07/09/03	RAA12-O16NE RAA12-O16NE 0-1 07/09/03	RAA12-O16NW RAA12-O16NW 0-1 07/09/03	RAA12-O16S RAA12-O16S 0-1 07/09/03
<b>Inorganics</b>								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	4.40 B	ND(6.00)	NA	NA	NA	NA	NA	NA
Arsenic	15.0	15.0	NA	NA	NA	NA	NA	NA
Barium	260	3800	NA	NA	NA	NA	NA	NA
Beryllium	0.620	ND(0.500)	NA	NA	NA	NA	NA	NA
Cadmium	1.90	1.40	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	22.0 J	81.0	NA	NA	NA	NA	NA	NA
Cobalt	6.80	ND(5.00)	NA	NA	NA	NA	NA	NA
Copper	160 J	150	NA	NA	NA	NA	NA	NA
Cyanide	0.570 J	0.130 B	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA
Lead	840 J	51000	420	720	66.0	1100	540	
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2.20	1.00	NA	NA	NA	NA	NA	NA
Nickel	16.0	20.0	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	ND(1.00) J	ND(1.00)	NA	NA	NA	NA	NA	NA
Silver	0.890 B	3.40	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	47.0 J	53.0	NA	NA	NA	NA	NA	NA
Thallium	ND(1.30) J	1.90 B	NA	NA	NA	NA	NA	NA
Tin	84.0	40.0	NA	NA	NA	NA	NA	NA
Vanadium	19.0	18.0	NA	NA	NA	NA	NA	NA
Zinc	490	2300	NA	NA	NA	NA	NA	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-P21 RAA12-P21 0-1 08/07/02	RAA12-Q21 RAA12-Q21 0-1 08/07/02	RAA12-Q22 RAA12-Q22 0-1 08/07/02	RAA12-R16 RAA12-R16 3-6 08/08/02	RAA12-R16 RAA12-R16 10-15 08/08/02	RAA12-R16 RAA12-R16 12-14 08/08/02
<b>Volatile Organics</b>							
1,1,1,2-Tetrachloroethane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
1,1,1-trichloro-2,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
1,1,2,2-Tetrachloroethane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
1,1-Dichloroethane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
1,1-Dichloroethene	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
1,2-Dibromoethane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
1,2-Dichloroethene (total)	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	ND(0.12) J	ND(0.11) J	ND(0.11) J	NA	NA	ND(0.12) J	NA
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA
2-Butanone	ND(0.012)	ND(0.011)	ND(0.011)	NA	NA	ND(0.012)	NA
2-Chloro-1,3-butadiene	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
2-Chloroethylvinylether	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061) J	NA
2-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	ND(0.012)	ND(0.011)	ND(0.011)	NA	NA	ND(0.012)	NA
3-Chloropropene	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
4-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	ND(0.012)	ND(0.011)	ND(0.011)	NA	NA	ND(0.012)	NA
Acetone	ND(0.023)	ND(0.022)	ND(0.022)	NA	NA	ND(0.024)	NA
Acetonitrile	ND(0.12)	ND(0.11)	ND(0.11)	NA	NA	ND(0.12)	NA
Acrolein	ND(0.12) J	ND(0.11) J	ND(0.11) J	NA	NA	ND(0.12) J	NA
Acrylonitrile	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
Benzene	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
Bromobenzene	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
Bromoform	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
Bromomethane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061) J	NA
Carbon Disulfide	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061) J	NA
Carbon Tetrachloride	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
Chlorobenzene	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
Chloroethane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
Chloroform	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
Chloromethane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
cis-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA	NA	NA
Crotonaldehyde	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
Dibromomethane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
Dichlorodifluoromethane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
Ethyl Methacrylate	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
Ethylbenzene	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
Freon 12	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA
Iodomethane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	ND(0.0061)	NA
Isobutanol	ND(0.12)	ND(0.11)	ND(0.11)	NA	NA	ND(0.12)	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-P21 0-1 08/07/02	RAA12-Q21 0-1 08/07/02	RAA12-Q22 0-1 08/07/02	RAA12-R16 3-6 08/08/02	RAA12-R16 10-15 08/08/02	RAA12-R16 12-14 08/08/02
<b>Volatile Organics (continued)</b>							
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA
m&p-Xylene	NA	NA	NA	NA	NA	NA	NA
Methacrylonitrile	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	NA	ND(0.0061)
Methyl Methacrylate	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	NA	ND(0.0061)
Methylene Chloride	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	NA	ND(0.0061)
Naphthalene	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA
Propionitrile	ND(0.012) J	ND(0.011) J	ND(0.011) J	NA	NA	NA	ND(0.012)
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA
Styrene	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	NA	ND(0.0061)
tert-Butylbenzene	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	NA	ND(0.0061)
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA
Toluene	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	NA	ND(0.0061)
trans-1,2-Dichloroethene	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	NA	ND(0.0061)
trans-1,3-Dichloropropene	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	NA	ND(0.0061)
trans-1,4-Dichloro-2-butene	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	NA	ND(0.0061)
Trichloroethene	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	NA	ND(0.0061)
Trichlorofluoromethane	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	NA	ND(0.0061)
Vinyl Acetate	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	NA	ND(0.0061)
Vinyl Chloride	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	NA	ND(0.0061)
Xylenes (total)	ND(0.0058)	ND(0.0055)	ND(0.0056)	NA	NA	NA	ND(0.0061)
<b>Semivolatile Organics</b>							
1,2,3,4-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,3,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
1,2,4-Trichlorobenzene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
1,2-Dichlorobenzene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
1,2-Diphenylhydrazine	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
1,3,5-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
1,3-Dichlorobenzene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
1,3-Dinitrobenzene	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77) J]	NA	NA
1,4-Dichlorobenzene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
1,4-Dinitrobenzene	NA	NA	NA	NA	NA	NA	NA
1,4-Naphthoquinone	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	NA
1-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA
1-Naphthylamine	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	NA
2,3,4,6-Tetrachlorophenol	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
2,4,5-Trichlorophenol	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
2,4,6-Trichlorophenol	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38) J]	NA	NA
2,4-Dichlorophenol	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
2,4-Dimethylphenol	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
2,4-Dinitrophenol	ND(2.0)	ND(1.9)	ND(1.9)	ND(2.1)	ND(2.1) [ND(1.9)]	NA	NA
2,4-Dinitrotoluene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
2,6-Dichlorophenol	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
2,6-Dinitrotoluene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
2-Acetylaminofluorene	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	NA
2-Choronaphthalene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
2-Chlorophenol	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
2-Methylnaphthalene	ND(0.38)	ND(0.36)	ND(0.37)	0.090 J	ND(0.40) [ND(0.38)]	NA	NA
2-Methylphenol	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
2-Naphthylamine	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	NA
2-Nitroaniline	ND(2.0)	ND(1.9)	ND(1.9)	ND(2.1)	ND(2.1) [ND(1.9)]	NA	NA
2-Nitrophenol	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	NA
2-Phenylenediamine	NA	NA	NA	NA	NA	NA	NA
2-Picoline	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-P21 0-1 08/07/02	RAA12-Q21 0-1 08/07/02	RAA12-Q22 0-1 08/07/02	RAA12-R16 3-6 08/08/02	RAA12-R16 10-15 08/08/02	RAA12-R16 12-14 08/08/02
<b>Semivolatile Organics (continued)</b>							
3&4-Methylphenol	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	
3,3'-Dichlorobenzidine	ND(0.78) J	ND(0.74) J	ND(0.75) J	ND(0.82)	ND(0.82) [ND(0.77)]	NA	
3,3'-Dimethoxybenzidine	NA	NA	NA	NA	NA	NA	
3,3'-Dimethylbenzidine	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
3-Methylcholanthrene	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	
3-Methylphenol	NA	NA	NA	NA	NA	NA	
3-Nitroaniline	ND(2.0)	ND(1.9)	ND(1.9)	ND(2.1)	ND(2.1) [ND(1.9)]	NA	
3-Phenylenediamine	NA	NA	NA	NA	NA	NA	
4,4'-Methylene-bis(2-chloroaniline)	NA	NA	NA	NA	NA	NA	
4,6-Dinitro-2-methylphenol	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
4-Aminobiphenyl	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82) J	ND(0.82) J [ND(0.77) J]	NA	
4-Bromophenyl-phenylether	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
4-Chloro-3-Methylphenol	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
4-Chloroaniline	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
4-Chlorobenzilate	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	
4-Chlorophenyl-phenylether	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
4-Methylphenol	NA	NA	NA	NA	NA	NA	
4-Nitroaniline	ND(2.0)	ND(1.9)	ND(1.9)	ND(2.1) J	ND(2.1) J [ND(1.9)]	NA	
4-Nitrophenol	ND(2.0)	ND(1.9)	ND(1.9)	ND(2.1)	ND(2.1) [ND(1.9)]	NA	
4-Nitroquinoline-1-oxide	ND(0.78) J	ND(0.74) J	ND(0.75) J	ND(0.82) J	ND(0.82) J [ND(0.77) J]	NA	
4-Phenylenediamine	ND(0.78) J	ND(0.74) J	ND(0.75) J	ND(0.82) J	ND(0.82) J [ND(0.77) J]	NA	
5-Nitro-o-toluidine	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	
7,12-Dimethylbenz(a)anthracene	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	
a,a'-Dimethylphenethylamine	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	
Acenaphthene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
Acenaphthylene	ND(0.38)	ND(0.36)	0.12 J	0.37 J	ND(0.40) [ND(0.38)]	NA	
Acetophenone	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
Aniline	ND(0.38)	ND(0.36)	ND(0.37)	0.30 J	ND(0.40) [ND(0.38)]	NA	
Anthracene	0.084 J	ND(0.36)	ND(0.37)	0.21 J	ND(0.40) [ND(0.38)]	NA	
Aramite	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82) J	ND(0.82) J [ND(0.77)]	NA	
Azobenzene	NA	NA	NA	NA	NA	NA	
Benzal chloride	NA	NA	NA	NA	NA	NA	
Benzidine	ND(0.78) J	ND(0.74) J	ND(0.75) J	ND(0.82)	ND(0.82) [ND(0.77) J]	NA	
Benz(a)anthracene	0.32 J	ND(0.36)	0.29 J	1.4	ND(0.40) [ND(0.38)]	NA	
Benz(a)pyrene	0.30 J	ND(0.36)	0.27 J	2.0	ND(0.40) [ND(0.38)]	NA	
Benz(b)fluoranthene	0.34 J	ND(0.36)	0.33 J	1.3	ND(0.40) [ND(0.38)]	NA	
Benz(g,h,i)perylene	0.27 J	ND(0.36)	0.29 J	1.4	ND(0.40) [ND(0.38)]	NA	
Benz(k)fluoranthene	0.26 J	ND(0.36)	0.23 J	1.5	ND(0.40) [ND(0.38)]	NA	
Benzoic Acid	NA	NA	NA	NA	NA	NA	
Benzotrifluoride	NA	NA	NA	NA	NA	NA	
Benzyl Alcohol	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	
Benzyl Chloride	NA	NA	NA	NA	NA	NA	
bis(2-Chloroethoxy)methane	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
bis(2-Choroethyl)ether	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
bis(2-Chloroisopropyl)ether	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
bis(2-Ethylhexyl)adipate	NA	NA	NA	NA	NA	NA	
bis(2-Ethylhexyl)phthalate	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.40)	0.33 J [ND(0.38)]	NA	
Butylbenzylphthalate	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
Carbazole	NA	NA	NA	NA	NA	NA	
Chrysene	0.32 J	ND(0.36)	0.34 J	1.6	ND(0.40) [ND(0.38)]	NA	
Cyclophosphamide	NA	NA	NA	NA	NA	NA	
Diallate	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	
Diallate (cis isomer)	NA	NA	NA	NA	NA	NA	
Diallate (trans isomer)	NA	NA	NA	NA	NA	NA	
Dibenz(a,j)acridine	NA	NA	NA	NA	NA	NA	
Dibenzo(a,h)anthracene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
Dibenofuran	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
Diethylphthalate	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
Dimethoate	NA	NA	NA	NA	ND(2.1) [ND(1.9)]	NA	
Dimethylphthalate	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
Di-n-Butylphthalate	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	
Di-n-Octylphthalate	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-P21 RAA12-P21 0-1 08/07/02	RAA12-Q21 RAA12-Q21 0-1 08/07/02	RAA12-Q22 RAA12-Q22 0-1 08/07/02	RAA12-R16 RAA12-R16 3-6 08/08/02	RAA12-R16 RAA12-R16 10-15 08/08/02	RAA12-R16 RAA12-R16 12-14 08/08/02
<b>Semivolatile Organics (continued)</b>							
Dinoseb	NA	NA	NA	NA	ND(0.40) [ND(0.38)]	NA	NA
Diphenylamine	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Disulfoton	NA	NA	NA	NA	ND(0.82) [ND(0.77)]	NA	NA
Ethyl Methacrylate	NA	NA	NA	NA	NA	NA	NA
Ethyl Methanesulfonate	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Ethyl Parathion	NA	NA	NA	NA	ND(0.82) [ND(0.77)]	NA	NA
Famphur	NA	NA	NA	NA	ND(0.40) [ND(0.38)]	NA	NA
Fluoranthene	0.56	ND(0.36)	0.44	0.90	ND(0.40) [ND(0.38)]	NA	NA
Fluorene	ND(0.38)	ND(0.36)	ND(0.37)	0.086 J	ND(0.40) [ND(0.38)]	NA	NA
Hexachlorobenzene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Hexachlorobutadiene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Hexachlorocyclopentadiene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Hexachloroethane	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Hexachlorophene	ND(0.78) J	ND(0.74) J	ND(0.75) J	ND(0.82)	ND(0.82) [ND(0.77)]	NA	NA
Hexachloropropene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Indeno(1,2,3-cd)pyrene	0.17 J	ND(0.36)	0.24 J	1.0	ND(0.40) [ND(0.38)]	NA	NA
Isodrin	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Isophorone	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Isosafrole	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	NA
Kepone	NA	NA	NA	NA	ND(0.40) [ND(0.38)]	NA	NA
Methaprylene	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	NA
Methyl Methanesulfonate	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Methyl Parathion	NA	NA	NA	NA	ND(0.82) [ND(0.77)]	NA	NA
Naphthalene	ND(0.38)	ND(0.36)	ND(0.37)	0.17 J	ND(0.40) [ND(0.38)]	NA	NA
Nitrobenzene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
N-Nitrosodiethylamine	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
N-Nitrosodimethylamine	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
N-Nitroso-di-n-butylamine	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	NA
N-Nitroso-di-n-propylamine	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
N-Nitrosodiphenylamine	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
N-Nitrosomethylalkylamine	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	NA
N-Nitrosomorpholine	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
N-Nitrosopiperidine	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
N-Nitrosopyrrolidine	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	NA
o,o,o-Triethylphosphorothioate	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
o-Tolidine	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Paraldehyde	NA	NA	NA	NA	NA	NA	NA
p-Dimethylaminoazobenzene	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82) J	ND(0.82) J [ND(0.77)]	NA	NA
Pentachlorobenzene	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Pentachloroethane	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Pentachloronitrobenzene	ND(0.78) J	ND(0.74) J	ND(0.75) J	ND(0.82) J	ND(0.82) J [ND(0.77)]	NA	NA
Pentachlorophenol	ND(2.0)	ND(1.9)	ND(1.9)	ND(2.1)	ND(2.1) [ND(1.9)]	NA	NA
Phenacetin	ND(0.78)	ND(0.74)	ND(0.75)	ND(0.82)	ND(0.82) [ND(0.77)]	NA	NA
Phenanthrene	0.34 J	ND(0.36)	0.16 J	0.34 J	ND(0.40) [ND(0.38)]	NA	NA
Phenol	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Phorate	NA	NA	NA	NA	ND(0.82) [ND(0.77)]	NA	NA
Pronamide	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Pyrene	0.58	ND(0.36)	0.59	4.0	ND(0.40) [ND(0.38)]	NA	NA
Pyridine	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Safrole	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Sulfotep	NA	NA	NA	NA	ND(0.82) [ND(0.77)]	NA	NA
Thionazin	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.40) [ND(0.38)]	NA	NA
Total Phenols	NA	NA	NA	NA	NA	NA	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID: Sample ID: Sample Depth(Feet): Parameter	RAA12-P21 0-1 08/07/02	RAA12-Q21 0-1 08/07/02	RAA12-Q22 0-1 08/07/02	RAA12-R16 3-6 08/08/02	RAA12-R16 10-15 08/08/02	RAA12-R16 12-14 08/08/02
<b>Organochlorine Pesticides</b>						
4,4'-DDD	NA	NA	NA	NA	ND(0.016) [ND(0.016)]	NA
4,4'-DDE	NA	NA	NA	NA	ND(0.016) [ND(0.016)]	NA
4,4'-DDT	NA	NA	NA	NA	ND(0.016) [ND(0.016)]	NA
Aldrin	NA	NA	NA	NA	ND(0.0080) [ND(0.0080)]	NA
Alpha-BHC	NA	NA	NA	NA	ND(0.0080) [ND(0.0080)]	NA
Alpha-Chlordane	NA	NA	NA	NA	ND(0.0080) [ND(0.0080)]	NA
Beta-BHC	NA	NA	NA	NA	ND(0.0080) [ND(0.0080)]	NA
Delta-BHC	NA	NA	NA	NA	ND(0.0080) [ND(0.0080)]	NA
Dieldrin	NA	NA	NA	NA	ND(0.016) [ND(0.016)]	NA
Endosulfan I	NA	NA	NA	NA	R [R]	NA
Endosulfan II	NA	NA	NA	NA	ND(0.016) [ND(0.016)]	NA
Endosulfan Sulfate	NA	NA	NA	NA	ND(0.016) [ND(0.016)]	NA
Endrin	NA	NA	NA	NA	ND(0.016) [ND(0.016)]	NA
Endrin Aldehyde	NA	NA	NA	NA	ND(0.016) [ND(0.016)]	NA
Endrin Ketone	NA	NA	NA	NA	ND(0.016) [ND(0.016)]	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	ND(0.0080) [ND(0.0080)]	NA
Gamma-Chlordane	NA	NA	NA	NA	ND(0.0080) [ND(0.0080)]	NA
Heptachlor	NA	NA	NA	NA	ND(0.0080) [ND(0.0080)]	NA
Heptachlor Epoxide	NA	NA	NA	NA	ND(0.0080) [ND(0.0080)]	NA
Isodrin	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	ND(0.080) [ND(0.080)]	NA
Technical Chlordane	NA	NA	NA	NA	ND(0.10) [ND(0.095)]	NA
Toxaphene	NA	NA	NA	NA	ND(0.20) [ND(0.18)]	NA
<b>Herbicides</b>						
2,4,5-T	NA	NA	NA	NA	ND(0.39) [ND(0.37)]	NA
2,4,5-TP	NA	NA	NA	NA	ND(0.39) [ND(0.37)]	NA
2,4-D	NA	NA	NA	NA	ND(0.80) [ND(0.80)]	NA
Dinoseb	NA	NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF	0.000020 Y	0.0000042 Y	0.000013 Y	0.000068 Y	ND(0.00000024)	NA
TCDFs (total)	0.00012	0.000021	0.000054	0.00033	ND(0.00000024)	NA
1,2,3,7,8-PeCDF	0.000013	0.0000020 J	0.0000085 J	0.000036	ND(0.00000030)	NA
2,3,4,7,8-PeCDF	0.000012	0.0000023 J	0.000012 J	0.000025 Q	ND(0.00000030)	NA
PeCDFs (total)	0.00013 Q	0.000020	0.000092	0.00029 Q	ND(0.00000030)	NA
1,2,3,4,7,8-HxCDF	0.000019	0.0000041 J	0.000016 J	0.000087	ND(0.00000030)	NA
1,2,3,6,7,8-HxCDF	0.000010	0.0000025 J	0.000010 J	0.000039	ND(0.00000030)	NA
1,2,3,7,8,9-HxCDF	0.0000033	0.0000064 J	ND(0.0000021) X	0.000014	ND(0.00000033)	NA
2,3,4,6,7,8-HxCDF	0.0000067	0.0000018 J	ND(0.0000067) X	0.000015	ND(0.00000030)	NA
HxCDFs (total)	0.000097	0.000025	0.000086	0.00031 Q	ND(0.00000030)	NA
1,2,3,4,6,7,8-HpCDF	0.000022	0.000014	0.000021 J	0.000067 Q	0.0000021 J	NA
1,2,3,4,7,8,9-HpCDF	0.0000038	0.0000015 J	0.0000049 J	0.000041	ND(0.00000030)	NA
HpCDFs (total)	0.000041	0.000032	0.000040	0.00016 Q	0.0000021	NA
OCDF	0.000021	0.000031	0.000022 J	0.00011	0.0000010 J	NA
<b>Dioxins</b>						
2,3,7,8-TCDD	ND(0.00000042)	0.0000071	ND(0.0000043)	0.0000050 J	ND(0.00000040)	NA
TCDDs (total)	0.0000020	0.0000071	ND(0.0000043)	0.0000066	ND(0.00000040)	NA
1,2,3,7,8-PeCDD	0.00000051 J	ND(0.00000052)	ND(0.0000028) J	0.0000012 J	ND(0.00000030)	NA
PeCDDs (total)	0.00000054 Q	ND(0.00000087)	ND(0.0000048) J	0.000010 Q	ND(0.00000048)	NA
1,2,3,4,7,8-HxCDD	0.00000059 J	ND(0.00000063)	ND(0.0000028)	0.0000013 J	ND(0.00000031)	NA
1,2,3,6,7,8-HxCDD	0.00000010 J	0.0000012 J	ND(0.0000028)	0.0000020 J	ND(0.00000030)	NA
1,2,3,7,8,9-HxCDD	0.00000086 J	ND(0.00000057)	ND(0.0000028)	ND(0.0000016) X	ND(0.00000030)	NA
HxCDDs (total)	0.0000089	0.0000072	0.0000045	0.000024 Q	ND(0.00000030)	NA
1,2,3,4,6,7,8-HpCDD	0.0000096	0.000022	0.000014 J	0.000011	0.00000034 J	NA
HpCDDs (total)	0.000019	0.000039	0.000026	0.000020	0.00000034	NA
OCDD	0.000082	0.00016	0.000085	0.000046	0.0000027 J	NA
Total TEQs (WHO TEFs)	0.000014	0.000011	0.000015	0.000040	0.00000056	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-P21 RAA12-P21 0-1 08/07/02	RAA12-Q21 RAA12-Q21 0-1 08/07/02	RAA12-Q22 RAA12-Q22 0-1 08/07/02	RAA12-R16 RAA12-R16 3-6 08/08/02	RAA12-R16 RAA12-R16 10-15 08/08/02	RAA12-R16 RAA12-R16 12-14 08/08/02
<b>Inorganics</b>							
Aluminum	NA	NA	NA	NA	NA	NA	NA
Antimony	1.40 B	0.880 B	ND(6.00)	2.60 J	ND(6.00) J	NA	NA
Arsenic	11.0	6.00	3.60	4.70	1.10 J	NA	NA
Barium	84.0	54.0	49.0	48.0 J	8.20 J	NA	NA
Beryllium	0.410 B	0.280 B	0.220 B	0.280 B	0.150 B	NA	NA
Cadmium	0.980	0.640	0.450 B	1.50	0.260 B	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA
Chromium	11.0	7.40	3.10	20.0 J	19.0 J	NA	NA
Cobalt	5.60	17.0	3.40 B	6.20	5.00 B	NA	NA
Copper	100	25.0	25.0	160 J	9.80 J	NA	NA
Cyanide	0.250	0.170	0.160	0.450	ND(0.120)	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA
Lead	690	180	35.0	310	5.00	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA
Mercury	ND(0.120)	0.450	ND(0.110)	0.560 J	ND(0.120) J	NA	NA
Nickel	11.0	12.0	4.90	13.0 J	8.90 J	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA
Selenium	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	NA	NA
Silver	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA
Sulfide	22.0	14.0	27.0	78.0 J	31.0 J	NA	NA
Thallium	ND(1.70) J	ND(1.60) J	ND(1.70) J	ND(1.80)	ND(1.80)	NA	NA
Tin	45.0	15.0	31.0	100 J	4.90 J	NA	NA
Vanadium	22.0	12.0	8.50	7.90	4.50 B	NA	NA
Zinc	150	72.0	49.0	230 J	30.0 J	NA	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID: Sample ID: Parameter	RAA12-R17 RAA12-R17 Date Collected:	RAA12-R18 RAA12-R18 0-1 08/06/02	RAA12-R18 RAA12-R18 1-3 08/06/02	RAA12-R18 RAA12-R18 6-10 08/06/02	RAA12-R18 RAA12-R18 8-10 08/06/02	RAA12-R19 RAA12-R19 0-1 08/07/02
<b>Volatile Organics</b>						
1,1,1,2-Tetrachloroethane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
1,1,1-trichloro-2,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
1,1,2,2-Tetrachloroethane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
1,1-Dichloroethane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
1,1-Dichloroethene	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
1,2-Dibromoethane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
1,2-Dichloroethene (total)	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA
1,3-Dichloropropene	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA
1,4-Dioxane	ND(0.10) J	ND(0.10) J	ND(0.13) J	NA	ND(0.12) J	ND(0.11) J
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA
2-Butanone	ND(0.010)	ND(0.010)	ND(0.013)	NA	ND(0.012)	ND(0.011)
2-Chloro-1,3-butadiene	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
2-Chloroethylvinylether	ND(0.0052) J	ND(0.0052) J	ND(0.0063) J	NA	ND(0.0061) J	ND(0.0054)
2-Chlorotoluene	NA	NA	NA	NA	NA	NA
2-Hexanone	ND(0.010)	ND(0.010)	ND(0.013)	NA	ND(0.012)	ND(0.011)
3-Chloropropene	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
4-Chlorotoluene	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	ND(0.010)	ND(0.010)	ND(0.013)	NA	ND(0.012)	ND(0.011)
Acetone	ND(0.021)	ND(0.021)	ND(0.025)	NA	ND(0.024)	ND(0.021)
Acetonitrile	ND(0.10)	ND(0.10)	ND(0.13)	NA	ND(0.12)	ND(0.11)
Acrolein	ND(0.10) J	ND(0.10) J	ND(0.13) J	NA	ND(0.12) J	ND(0.11) J
Acrylonitrile	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
Benzene	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
Bromobenzene	NA	NA	NA	NA	NA	NA
Bromochloromethane	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
Bromoform	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
Bromomethane	ND(0.0052) J	ND(0.0052) J	ND(0.0063) J	NA	ND(0.0061) J	ND(0.0054)
Carbon Disulfide	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
Carbon Tetrachloride	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
Chlorobenzene	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
Chloroethane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
Chloroform	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
Chloromethane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
cis-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA	NA
Crotonaldehyde	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
Dibromomethane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
Dichlorodifluoromethane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
Ethyl Methacrylate	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
Ethylbenzene	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
Freon 12	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA
Iodomethane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)
Isobutanol	ND(0.10)	ND(0.10)	ND(0.13)	NA	ND(0.12)	ND(0.11)

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID: Sample ID: Parameter	RAA12-R17 RAA12-R17 Date Collected:	RAA12-R18 RAA12-R18 0-1 08/06/02	RAA12-R18 RAA12-R18 0-1 08/06/02	RAA12-R18 RAA12-R18 1-3 08/06/02	RAA12-R18 RAA12-R18 6-10 08/06/02	RAA12-R18 RAA12-R18 8-10 08/06/02	RAA12-R19 RAA12-R19 0-1 08/07/02
<b>Volatile Organics (continued)</b>							
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA
m&p-Xylene	NA	NA	NA	NA	NA	NA	NA
Methacrylonitrile	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)	
Methyl Methacrylate	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)	
Methylene Chloride	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)	
Naphthalene	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA
Propionitrile	ND(0.010)	ND(0.010)	ND(0.013)	NA	ND(0.012)	ND(0.011) J	
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA
Styrene	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)	
tert-Butylbenzene	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)	
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA
Toluene	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)	
trans-1,2-Dichloroethene	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)	
trans-1,3-Dichloropropene	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)	
trans-1,4-Dichloro-2-butene	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)	
Trichloroethene	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)	
Trichlorofluoromethane	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)	
Vinyl Acetate	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)	
Vinyl Chloride	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)	
Xylenes (total)	ND(0.0052)	ND(0.0052)	ND(0.0063)	NA	ND(0.0061)	ND(0.0054)	
<b>Semivolatile Organics</b>							
1,2,3,4-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,3,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
1,2,4-Trichlorobenzene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
1,2-Dichlorobenzene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
1,2-Diphenylhydrazine	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
1,3,5-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
1,3-Dichlorobenzene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
1,3-Dinitrobenzene	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)	
1,4-Dichlorobenzene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
1,4-Dinitrobenzene	NA	NA	NA	NA	NA	NA	NA
1,4-Naphthoquinone	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)	
1-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA
1-Naphthylamine	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)	
2,3,4,6-Tetrachlorophenol	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
2,4,5-Trichlorophenol	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
2,4,6-Trichlorophenol	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
2,4-Dichlorophenol	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
2,4-Dimethylphenol	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
2,4-Dinitrophenol	ND(1.8)	ND(1.8)	ND(2.2)	ND(2.1)	NA	ND(1.8)	
2,4-Dinitrotoluene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
2,6-Dichlorophenol	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
2,6-Dinitrotoluene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
2-Acetylaminofluorene	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)	
2-Choronaphthalene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
2-Chlorophenol	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
2-Methylnaphthalene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
2-Methylphenol	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
2-Naphthylamine	ND(0.70) J	ND(0.70) J	ND(0.85) J	ND(0.82) J	NA	ND(0.72)	
2-Nitroaniline	ND(1.8)	ND(1.8)	ND(2.2)	ND(2.1)	NA	ND(1.8)	
2-Nitrophenol	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)	
2-Phenylenediamine	NA	NA	NA	NA	NA	NA	
2-Picoline	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID: Sample ID: Parameter	RAA12-R17 RAA12-R17 Date Collected:	RAA12-R18 RAA12-R18 0-1 08/06/02	RAA12-R18 RAA12-R18 1-3 08/06/02	RAA12-R18 RAA12-R18 6-10 08/06/02	RAA12-R18 RAA12-R18 8-10 08/06/02	RAA12-R19 RAA12-R19 0-1 08/07/02
<b>Semivolatile Organics (continued)</b>						
3&4-Methylphenol	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)
3,3'-Dichlorobenzidine	ND(0.70) J	ND(0.70) J	ND(0.85) J	ND(0.82) J	NA	ND(0.72) J
3,3'-Dimethoxybenzidine	NA	NA	NA	NA	NA	NA
3,3'-Dimethylbenzidine	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)
3-Methylcholanthrene	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)
3-Methylphenol	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(1.8)	ND(1.8)	ND(2.2)	ND(2.1)	NA	ND(1.8)
3-Phenylenediamine	NA	NA	NA	NA	NA	NA
4,4'-Methylene-bis(2-chloroaniline)	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)
4-Aminobiphenyl	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)
4-Bromophenyl-phenylether	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)
4-Chloro-3-Methylphenol	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)
4-Chloroaniline	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)
4-Chlorobenzilate	ND(0.70) J	ND(0.70) J	ND(0.85) J	ND(0.82) J	NA	ND(0.72)
4-Chlorophenyl-phenylether	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)
4-Methylphenol	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ND(1.8)	ND(1.8)	ND(2.2)	ND(2.1)	NA	ND(1.8)
4-Nitrophenol	ND(1.8)	ND(1.8)	ND(2.2)	ND(2.1)	NA	ND(1.8)
4-Nitroquinoline-1-oxide	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72) J
4-Phenylenediamine	ND(0.70) J	ND(0.70) J	ND(0.85) J	ND(0.82) J	NA	ND(0.72) J
5-Nitro-o-toluidine	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)
7,12-Dimethylbenz(a)anthracene	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)
a,a'-Dimethylphenethylamine	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)
Acenaphthene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	0.12 J
Acenaphthylene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	0.88
Acetophenone	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)
Aniline	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)
Anthracene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	0.69
Aramite	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)
Azobenzene	NA	NA	NA	NA	NA	NA
Benzal chloride	NA	NA	NA	NA	NA	NA
Benzidine	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72) J
Benzo(a)anthracene	ND(0.35)	ND(0.35)	0.11 J	ND(0.41)	NA	4.0
Benzo(a)pyrene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	3.8
Benzo(b)fluoranthene	ND(0.35)	ND(0.35)	0.11 J	ND(0.41)	NA	2.7
Benzo(g,h,i)perylene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	2.5
Benzo(k)fluoranthene	ND(0.35)	ND(0.35)	0.14 J	ND(0.41)	NA	3.0
Benzoic Acid	NA	NA	NA	NA	NA	NA
Benzotrichloride	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)
Benzyl Chloride	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)
bis(2-Chloroethyl)ether	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)
bis(2-Chloroisopropyl)ether	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)
bis(2-Ethylhexyl)adipate	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.34)	ND(0.34)	ND(0.42)	ND(0.40)	NA	ND(0.35)
Butylbenzylphthalate	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)
Carbazole	NA	NA	NA	NA	NA	NA
Chrysene	ND(0.35)	ND(0.35)	0.15 J	ND(0.41)	NA	4.3
Cyclophosphamide	NA	NA	NA	NA	NA	NA
Diallate	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)
Diallate (cis isomer)	NA	NA	NA	NA	NA	NA
Diallate (trans isomer)	NA	NA	NA	NA	NA	NA
Dibenz(a,j)acridine	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	0.85
Dibenzofuran	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	0.11 J
Diethylphthalate	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)
Dimethoate	NA	NA	NA	ND(2.1)	NA	NA
Dimethylphthalate	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)
Di-n-Butylphthalate	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)
Di-n-Octylphthalate	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Location ID: Sample ID: Parameter	RAA12-R17 RAA12-R17 Date Collected:	RAA12-R18 RAA12-R18 0-1 08/06/02	RAA12-R18 RAA12-R18 0-1 08/06/02	RAA12-R18 RAA12-R18 1-3 08/06/02	RAA12-R18 RAA12-R18 6-10 08/06/02	RAA12-R18 RAA12-R18 8-10 08/06/02	RAA12-R19 RAA12-R19 0-1 08/07/02
<b>Semivolatile Organics (continued)</b>							
Dinoseb	NA	NA	NA	ND(0.40)	NA	NA	NA
Diphenylamine	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	ND(0.35)
Disulfoton	NA	NA	NA	ND(0.82)	NA	NA	NA
Ethyl Methacrylate	NA	NA	NA	NA	NA	NA	NA
Ethyl Methanesulfonate	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	ND(0.35)
Ethyl Parathion	NA	NA	NA	ND(0.82)	NA	NA	NA
Famphur	NA	NA	NA	ND(0.41)	NA	NA	NA
Fluoranthene	ND(0.35)	ND(0.35)	0.095 J	ND(0.41)	NA	2.4	
Fluorene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	0.30 J	
Hexachlorobenzene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	ND(0.35)
Hexachlorobutadiene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	ND(0.35)
Hexachlorocyclopentadiene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	ND(0.35)
Hexachloroethane	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	ND(0.35)
Hexachlorophene	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72) J	
Hexachloropropene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
Indeno(1,2,3-cd)pyrene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	2.2	
Isodrin	ND(0.35) J	ND(0.35) J	ND(0.42) J	ND(0.41) J	NA	ND(0.35)	
Isophorone	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
Isosafrole	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)	
Kepone	NA	NA	NA	ND(0.41)	NA	NA	
Methapyrilene	ND(0.70) J	ND(0.70) J	ND(0.85) J	ND(0.82) J	NA	ND(0.72)	
Methyl Methanesulfonate	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
Methyl Parathion	NA	NA	NA	ND(0.82)	NA	NA	
Naphthalene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	0.16 J	
Nitrobenzene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
N-Nitrosodiethylamine	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
N-Nitrosodimethylamine	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
N-Nitroso-di-n-butylamine	ND(0.70) J	ND(0.70) J	ND(0.85) J	ND(0.82) J	NA	ND(0.72)	
N-Nitroso-di-n-propylamine	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
N-Nitrosodiphenylamine	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
N-Nitrosomethylalkylamine	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)	
N-Nitrosomorpholine	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
N-Nitrosopiperidine	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
N-Nitrosopyrrolidine	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72)	
o,o,o-Triethylphosphorothioate	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
o-Toluidine	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
Paraldehyde	NA	NA	NA	NA	NA	NA	
p-Dimethylaminooazobenzene	ND(0.70) J	ND(0.70) J	ND(0.85) J	ND(0.82) J	NA	ND(0.72)	
Pentachlorobenzene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
Pentachloroethane	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
Pentachloronitrobenzene	ND(0.70)	ND(0.70)	ND(0.85)	ND(0.82)	NA	ND(0.72) J	
Pentachlorophenol	ND(1.8)	ND(1.8)	ND(2.2)	ND(2.1)	NA	ND(1.8)	
Phenacetin	ND(0.70) J	ND(0.70) J	ND(0.85) J	ND(0.82) J	NA	ND(0.72)	
Phenanthrene	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	1.4	
Phenol	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
Phorate	NA	NA	NA	ND(0.82)	NA	NA	
Pronamide	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
Pyrene	0.071 J	ND(0.35)	0.24 J	ND(0.41)	NA	7.0	
Pyridine	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
Safrole	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
Sulfotep	NA	NA	NA	ND(0.82)	NA	NA	
Thionazin	ND(0.35)	ND(0.35)	ND(0.42)	ND(0.41)	NA	ND(0.35)	
Total Phenols	NA	NA	NA	NA	NA	NA	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-R17 RAA12-R17 0-1 08/06/02	RAA12-R18 RAA12-R18 0-1 08/06/02	RAA12-R18 RAA12-R18 1-3 08/06/02	RAA12-R18 RAA12-R18 6-10 08/06/02	RAA12-R18 RAA12-R18 8-10 08/06/02	RAA12-R19 RAA12-R19 0-1 08/07/02
<b>Organochlorine Pesticides</b>							
4,4'-DDD	NA	NA	NA	ND(0.016)	NA	NA	NA
4,4'-DDE	NA	NA	NA	ND(0.016)	NA	NA	NA
4,4'-DDT	NA	NA	NA	ND(0.016)	NA	NA	NA
Aldrin	NA	NA	NA	ND(0.0080)	NA	NA	NA
Alpha-BHC	NA	NA	NA	ND(0.0080)	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	ND(0.0080)	NA	NA	NA
Beta-BHC	NA	NA	NA	ND(0.0080)	NA	NA	NA
Delta-BHC	NA	NA	NA	ND(0.0080)	NA	NA	NA
Dieldrin	NA	NA	NA	ND(0.016)	NA	NA	NA
Endosulfan I	NA	NA	NA	ND(0.016)	NA	NA	NA
Endosulfan II	NA	NA	NA	ND(0.016)	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	ND(0.016)	NA	NA	NA
Endrin	NA	NA	NA	ND(0.016)	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	ND(0.016)	NA	NA	NA
Endrin Ketone	NA	NA	NA	ND(0.016)	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	ND(0.0080)	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	ND(0.0080)	NA	NA	NA
Heptachlor	NA	NA	NA	ND(0.0080)	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	ND(0.0080)	NA	NA	NA
Isodrin	NA	NA	NA	NA	NA	NA	NA
Kepone	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	ND(0.080)	NA	NA	NA
Technical Chlordane	NA	NA	NA	ND(0.10)	NA	NA	NA
Toxaphene	NA	NA	NA	ND(0.20)	NA	NA	NA
<b>Herbicides</b>							
2,4,5-T	NA	NA	NA	ND(0.39)	NA	NA	NA
2,4,5-TP	NA	NA	NA	ND(0.39)	NA	NA	NA
2,4-D	NA	NA	NA	ND(0.80)	NA	NA	NA
Dinoseb	NA	NA	NA	NA	NA	NA	NA
<b>Furans</b>							
2,3,7,8-TCDF	0.0000011 Y	0.00000091 J	0.0000027 Y	ND(0.00000016)	NA	0.000019 Y	
TCDFs (total)	0.000011	0.0000069	0.000041	ND(0.00000016)	NA	0.000065	
1,2,3,7,8-PeCDF	0.0000016 J	0.00000069 J	0.0000027 J	ND(0.00000028)	NA	0.0000078	
2,3,4,7,8-PeCDF	0.0000012 J	0.00000071 J	0.0000035	ND(0.00000028)	NA	0.0000050 JQ	
PeCDFs (total)	0.0000095	0.0000081	0.000026	ND(0.00000028)	NA	0.000046 Q	
1,2,3,4,7,8-HxCDF	0.0000018 J	0.00000085 J	0.0000035	ND(0.00000028)	NA	0.000019	
1,2,3,6,7,8-HxCDF	0.00000094 J	ND(0.00000049)	0.0000022 J	ND(0.00000028)	NA	0.0000095	
1,2,3,7,8,9-HxCDF	ND(0.00000042)	ND(0.0000012) X	0.00000071 J	ND(0.00000028)	NA	0.0000019 JQ	
2,3,4,6,7,8-HxCDF	0.00000076 J	ND(0.00000051)	0.0000024 J	ND(0.00000028)	NA	0.0000037 J	
HxCDFs (total)	0.000013	0.0000073	0.000024	ND(0.00000028)	NA	0.000067 Q	
1,2,3,4,6,7,8-HpCDF	0.0000046	0.0000047	0.0000066	0.00000020 J	NA	0.000024	
1,2,3,4,7,8,9-HpCDF	0.00000063 J	0.00000026 J	0.00000079 J	ND(0.00000028)	NA	0.0000043 J	
HpCDFs (total)	0.000011	0.000010	0.000010	0.00000040	NA	0.000038	
OCDF	0.0000063	0.0000092	0.0000053 J	ND(0.00000057)	NA	0.000027	
<b>Dioxins</b>							
2,3,7,8-TCDD	ND(0.00000021)	0.0000011	ND(0.00000037) X	ND(0.00000017)	NA	ND(0.00000077)	
TCDDs (total)	ND(0.00000033)	0.0000011	0.0000019	ND(0.00000040)	NA	ND(0.00000077)	
1,2,3,7,8-PeCDD	ND(0.00000025)	ND(0.00000013) X	ND(0.00000049) X	ND(0.00000028)	NA	ND(0.00000046) X	
PeCDDs (total)	ND(0.00000021)	ND(0.00000013)	0.0000026	ND(0.00000048)	NA	0.0000019 Q	
1,2,3,4,7,8-HxCDD	0.00000029 J	ND(0.00000030)	ND(0.00000026) X	ND(0.00000039)	NA	ND(0.00000075)	
1,2,3,6,7,8-HxCDD	0.0000014 J	0.00000043 J	0.00000036 J	ND(0.00000034)	NA	ND(0.00000010) X	
1,2,3,7,8,9-HxCDD	ND(0.00000054) X	ND(0.00000028)	0.00000028 J	ND(0.00000035)	NA	0.00000082 J	
HxCDDs (total)	0.0000047	0.0000028	0.0000036	ND(0.00000050)	NA	0.0000074 Q	
1,2,3,4,6,7,8-HpCDD	0.000024	0.0000074	0.0000023 J	0.00000058 J	NA	0.000010	
HpCDDs (total)	0.000041	0.000013	0.0000055	0.00000098	NA	0.000020	
OCDD	0.00023	0.000047	0.000016	ND(0.0000042)	NA	0.000079	
Total TEQs (WHO TEFs)	0.0000019	0.0000020	0.0000036	0.00000043	NA	0.0000094	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-R17 RAA12-R17 0-1 08/06/02	RAA12-R18 RAA12-R18 0-1 08/06/02	RAA12-R18 RAA12-R18 1-3 08/06/02	RAA12-R18 RAA12-R18 6-10 08/06/02	RAA12-R18 RAA12-R18 8-10 08/06/02	RAA12-R19 RAA12-R19 0-1 08/07/02
<b>Inorganics</b>							
Aluminum	NA	NA	NA	NA	NA	NA	NA
Antimony	ND(6.00)	ND(6.00)	1.70 B	ND(6.00)	NA	1.10 B	
Arsenic	2.90 J	3.40 J	11.0 J	2.30 J	NA	2.80	
Barium	20.0	32.0	200	21.0	NA	42.0	
Beryllium	0.150 B	0.190 B	0.470 B	0.220 B	NA	0.130 B	
Cadmium	0.740 J	0.530 J	1.10 J	0.540 J	NA	ND(0.500)	
Calcium	NA	NA	NA	NA	NA	NA	
Chromium	5.10 J	4.80 J	7.30 J	6.20 J	NA	11.0	
Cobalt	5.60	5.30	21.0	5.50	NA	3.70 B	
Copper	22.0	12.0	53.0	8.90	NA	50.0	
Cyanide	ND(0.100) J	ND(0.100) J	0.230 J	ND(0.120) J	NA	0.110	
Iron	NA	NA	NA	NA	NA	NA	
Lead	25.0 J	11.0 J	130 J	5.90 J	NA	130	
Magnesium	NA	NA	NA	NA	NA	NA	
Manganese	NA	NA	NA	NA	NA	NA	
Mercury	ND(0.100)	ND(0.100)	0.180	ND(0.120)	NA	0.370	
Nickel	8.60	8.80	18.0	9.60	NA	6.70	
Potassium	NA	NA	NA	NA	NA	NA	
Selenium	ND(1.00)	ND(1.00)	1.40	ND(1.00)	NA	ND(1.00)	
Silver	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	NA	ND(1.00)	
Sodium	NA	NA	NA	NA	NA	NA	
Sulfide	20.0	10.0	18.0	27.0	NA	26.0	
Thallium	ND(1.60) J	ND(1.60) J	ND(1.90) J	ND(1.80) J	NA	ND(1.60) J	
Tin	5.60 J	4.20 J	15.0 J	4.00 J	NA	9.70 B	
Vanadium	5.80	5.90	14.0	6.10	NA	4.30 B	
Zinc	65.0 J	64.0 J	200 J	36.0 J	NA	83.0	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-R21 3-6 08/07/02	RAA12-R21 4-6 08/07/02	RB010661 H2-RB010661-0-0020 2-2.5 11/24/98
<b>Volatile Organics</b>				
1,1,1,2-Tetrachloroethane	NA	ND(0.0061)	NA	NA
1,1,1-trichloro-2,2,2-trifluoroethane	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	ND(0.0061)	NA	NA
1,1,2,2-Tetrachloroethane	NA	ND(0.0061)	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	ND(0.0061)	NA	NA
1,1-Dichloroethane	NA	ND(0.0061)	NA	NA
1,1-Dichloroethene	NA	ND(0.0061)	NA	NA
1,1-Dichloropropene	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA
1,2,3-Trichloropropane	NA	ND(0.0061)	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NA	ND(0.0061)	NA	NA
1,2-Dibromoethane	NA	ND(0.0061)	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA
1,2-Dichloroethane	NA	ND(0.0061)	NA	NA
1,2-Dichloroethene (total)	NA	NA	NA	NA
1,2-Dichloropropane	NA	ND(0.0061)	NA	NA
1,3,5-Trimethylbenzene	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA
1,3-Dichloropropane	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA
1,4-Dioxane	NA	ND(0.12) J	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA
2-Butanone	NA	ND(0.012)	NA	NA
2-Chloro-1,3-butadiene	NA	ND(0.0061)	NA	NA
2-Chloroethylvinylether	NA	ND(0.0061)	NA	NA
2-Chlorotoluene	NA	NA	NA	NA
2-Hexanone	NA	ND(0.012)	NA	NA
3-Chloropropene	NA	ND(0.0061)	NA	NA
4-Chlorotoluene	NA	NA	NA	NA
4-Methyl-2-pentanone	NA	ND(0.012)	NA	NA
Acetone	NA	ND(0.024)	NA	NA
Acetonitrile	NA	ND(0.12)	NA	NA
Acrolein	NA	ND(0.12) J	NA	NA
Acrylonitrile	NA	ND(0.0061)	NA	NA
Benzene	NA	ND(0.0061)	NA	NA
Bromobenzene	NA	NA	NA	NA
Bromochloromethane	NA	NA	NA	NA
Bromodichloromethane	NA	ND(0.0061)	NA	NA
Bromoform	NA	ND(0.0061)	NA	NA
Bromomethane	NA	ND(0.0061)	NA	NA
Carbon Disulfide	NA	ND(0.0061)	NA	NA
Carbon Tetrachloride	NA	ND(0.0061)	NA	NA
Chlorobenzene	NA	ND(0.0061)	NA	NA
Chloroethane	NA	ND(0.0061)	NA	NA
Chloroform	NA	ND(0.0061)	NA	NA
Chloromethane	NA	ND(0.0061)	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	ND(0.0061)	NA	NA
cis-1,4-Dichloro-2-butene	NA	NA	NA	NA
Crotonaldehyde	NA	NA	NA	NA
Dibromochloromethane	NA	ND(0.0061)	NA	NA
Dibromomethane	NA	ND(0.0061)	NA	NA
Dichlorodifluoromethane	NA	ND(0.0061)	NA	NA
Ethyl Methacrylate	NA	ND(0.0061)	NA	NA
Ethylbenzene	NA	ND(0.0061)	NA	NA
Freon 12	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA
Iodomethane	NA	ND(0.0061)	NA	NA
Isobutanol	NA	ND(0.12)	NA	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-R21 3-6 08/07/02	RAA12-R21 4-6 08/07/02	RB010661 2-2.5 11/24/98
<b>Volatile Organics (continued)</b>				
Isopropylbenzene	NA	NA	NA	NA
m&p-Xylene	NA	NA	NA	NA
Methacrylonitrile	NA	ND(0.0061)	NA	NA
Methyl Methacrylate	NA	ND(0.0061)	NA	NA
Methylene Chloride	NA	ND(0.0061)	NA	NA
Naphthalene	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA
Propionitrile	NA	ND(0.012) J	NA	NA
sec-Butylbenzene	NA	NA	NA	NA
Styrene	NA	ND(0.0061)	NA	NA
tert-Butylbenzene	NA	NA	NA	NA
Tetrachloroethene	NA	ND(0.0061)	NA	NA
Tetrahydrofuran	NA	NA	NA	NA
Toluene	NA	ND(0.0061)	NA	NA
trans-1,2-Dichloroethene	NA	ND(0.0061)	NA	NA
trans-1,3-Dichloropropene	NA	ND(0.0061)	NA	NA
trans-1,4-Dichloro-2-butene	NA	ND(0.0061)	NA	NA
Trichloroethene	NA	ND(0.0061)	NA	NA
Trichlorofluoromethane	NA	ND(0.0061)	NA	NA
Vinyl Acetate	NA	ND(0.0061)	NA	NA
Vinyl Chloride	NA	ND(0.0061)	NA	NA
Xylenes (total)	NA	ND(0.0061)	NA	NA
<b>Semivolatile Organics</b>				
1,2,3,4-Tetrachlorobenzene	NA	NA	NA	NA
1,2,3,5-Tetrachlorobenzene	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	ND(0.40)	NA	ND(0.39)	NA
1,2,4-Trichlorobenzene	ND(0.40)	NA	ND(0.39)	NA
1,2-Dichlorobenzene	ND(0.40)	NA	ND(0.39)	NA
1,2-Diphenylhydrazine	ND(0.40)	NA	NA	NA
1,3,5-Trichlorobenzene	NA	NA	NA	NA
1,3,5-Trinitrobenzene	ND(0.40)	NA	ND(0.39)	NA
1,3-Dichlorobenzene	ND(0.40)	NA	ND(0.39)	NA
1,3-Dinitrobenzene	ND(0.82)	NA	ND(0.39)	NA
1,4-Dichlorobenzene	ND(0.40)	NA	ND(0.39)	NA
1,4-Dinitrobenzene	NA	NA	NA	NA
1,4-Naphthoquinone	ND(0.82)	NA	ND(0.39)	NA
1-Chloronaphthalene	NA	NA	NA	NA
1-Methylnaphthalene	NA	NA	NA	NA
1-Naphthylamine	ND(0.82)	NA	ND(0.39)	NA
2,3,4,6-Tetrachlorophenol	ND(0.40)	NA	ND(0.39)	NA
2,4,5-Trichlorophenol	ND(0.40)	NA	ND(0.98)	NA
2,4,6-Trichlorophenol	ND(0.40)	NA	ND(0.39)	NA
2,4-Dichlorophenol	ND(0.40)	NA	ND(0.39)	NA
2,4-Dimethylphenol	ND(0.40)	NA	ND(0.39) J	NA
2,4-Dinitrophenol	ND(2.1)	NA	ND(0.98)	NA
2,4-Dinitrotoluene	ND(0.40)	NA	ND(0.39) J	NA
2,6-Dichlorophenol	ND(0.40)	NA	ND(0.39)	NA
2,6-Dinitrotoluene	ND(0.40)	NA	ND(0.39)	NA
2-Acetylaminofluorene	ND(0.82)	NA	ND(0.39) J	NA
2-Chloronaphthalene	ND(0.40)	NA	ND(0.39) J	NA
2-Chlorophenol	ND(0.40)	NA	ND(0.39)	NA
2-Methylnaphthalene	ND(0.40)	NA	0.12 J	NA
2-Methylphenol	ND(0.40)	NA	ND(0.39)	NA
2-Naphthylamine	ND(0.82)	NA	ND(0.39)	NA
2-Nitroaniline	ND(2.1)	NA	ND(0.98) J	NA
2-Nitrophenol	ND(0.82)	NA	ND(0.39)	NA
2-Phenylenediamine	NA	NA	NA	NA
2-Picoline	ND(0.40)	NA	ND(0.39)	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-R21 3-6 08/07/02	RAA12-R21 4-6 08/07/02	RB010661 H2-RB010661-0-0020 2-2.5 11/24/98
<b>Semivolatile Organics (continued)</b>				
3&4-Methylphenol	ND(0.82)	NA	NA	
3,3'-Dichlorobenzidine	ND(0.82) J	NA	ND(0.39) J	
3,3'-Dimethoxybenzidine	NA	NA	NA	
3,3'-Dimethylbenzidine	ND(0.40)	NA	ND(0.39) J	
3-Methylcholanthrene	ND(0.82)	NA	ND(0.39) J	
3-Methylphenol	NA	NA	NA	
3-Nitroaniline	ND(2.1)	NA	ND(0.98)	
3-Phenylenediamine	NA	NA	NA	
4,4'-Methylene-bis(2-chloroaniline)	NA	NA	NA	
4,6-Dinitro-2-methylphenol	ND(0.40)	NA	ND(0.98)	
4-Aminobiphenyl	ND(0.82)	NA	ND(0.39)	
4-Bromophenyl-phenylether	ND(0.40)	NA	ND(0.39)	
4-Chloro-3-Methylphenol	ND(0.40)	NA	ND(0.39)	
4-Chloroaniline	ND(0.40)	NA	ND(0.39)	
4-Chlorobenzilate	ND(0.82)	NA	ND(0.39)	
4-Chlorophenyl-phenylether	ND(0.40)	NA	ND(0.39)	
4-Methylphenol	NA	NA	0.022 J	
4-Nitroaniline	ND(2.1)	NA	ND(0.98)	
4-Nitrophenol	ND(2.1)	NA	ND(0.98)	
4-Nitroquinoline-1-oxide	ND(0.82) J	NA	ND(0.64)	
4-Phenylenediamine	ND(0.82) J	NA	ND(0.39) J	
5-Nitro-o-toluidine	ND(0.82)	NA	ND(0.39)	
7,12-Dimethylbenz(a)anthracene	ND(0.82)	NA	ND(0.39) J	
a,a'-Dimethylphenethylamine	ND(0.82)	NA	ND(0.39)	
Acenaphthene	ND(0.40)	NA	0.15 J	
Acenaphthylene	1.2	NA	0.10 J	
Acetophenone	ND(0.40)	NA	0.032 J	
Aniline	ND(0.40)	NA	ND(0.98)	
Anthracene	0.51	NA	0.42 J	
Aramite	ND(0.82)	NA	ND(0.39)	
Azobenzene	NA	NA	ND(0.39)	
Benzal chloride	NA	NA	NA	
Benzidine	ND(0.82) J	NA	NA	
Benzo(a)anthracene	2.1	NA	1.6	
Benzo(a)pyrene	2.6	NA	1.9 J	
Benzo(b)fluoranthene	1.8	NA	1.3 J	
Benzo(g,h,i)perylene	2.4	NA	1.9 J	
Benzo(k)fluoranthene	1.8	NA	1.6 J	
Benzoic Acid	NA	NA	NA	
Benzotrichloride	NA	NA	NA	
Benzyl Alcohol	ND(0.82)	NA	ND(0.39) J	
Benzyl Chloride	NA	NA	NA	
bis(2-Chloroethoxy)methane	ND(0.40)	NA	ND(0.39)	
bis(2-Chloroethyl)ether	ND(0.40)	NA	ND(0.39)	
bis(2-Chloroisopropyl)ether	ND(0.40)	NA	ND(0.39)	
bis(2-Ethylhexyl)adipate	NA	NA	NA	
bis(2-Ethylhexyl)phthalate	ND(0.40)	NA	ND(0.39)	
Butylbenzylphthalate	ND(0.40)	NA	0.029 J	
Carbazole	NA	NA	NA	
Chrysene	2.2	NA	1.9	
Cyclophosphamide	NA	NA	NA	
Diallate	ND(0.82)	NA	ND(0.39)	
Diallate (cis isomer)	NA	NA	NA	
Diallate (trans isomer)	NA	NA	NA	
Dibenz(a,j)acridine	NA	NA	NA	
Dibenzo(a,n)anthracene	0.58	NA	0.56 J	
Dibenzofuran	ND(0.40)	NA	0.11 J	
Diethylphthalate	ND(0.40)	NA	ND(0.39)	
Dimethoate	NA	NA	NA	
Dimethylphthalate	ND(0.40)	NA	ND(0.39)	
Di-n-Butylphthalate	ND(0.40)	NA	ND(0.39)	
Di-n-Octylphthalate	ND(0.40)	NA	ND(0.39)	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-R21 3-6 08/07/02	RAA12-R21 4-6 08/07/02	RB010661 H2-RB010661-0-0020 2-2.5 11/24/98
<b>Semivolatile Organics (continued)</b>				
Dinoseb	NA	NA	NA	NA
Diphenylamine	ND(0.40)	NA	NA	NA
Disulfoton	NA	NA	NA	NA
Ethyl Methacrylate	NA	NA	NA	NA
Ethyl Methanesulfonate	ND(0.40)	NA	ND(0.39)	ND(0.39)
Ethyl Parathion	NA	NA	NA	NA
Famphur	NA	NA	NA	NA
Fluoranthene	1.6	NA	3.7	3.7
Fluorene	ND(0.40)	NA	0.18 J	0.18 J
Hexachlorobenzene	ND(0.40)	NA	ND(0.39)	ND(0.39)
Hexachlorobutadiene	ND(0.40)	NA	ND(0.39)	ND(0.39)
Hexachlorocyclopentadiene	ND(0.40)	NA	ND(0.39) J	ND(0.39) J
Hexachloroethane	ND(0.40)	NA	ND(0.39)	ND(0.39)
Hexachlorophene	ND(0.82) J	NA	NA	NA
Hexachloropropene	ND(0.40)	NA	ND(0.39)	ND(0.39)
Indeno[1,2,3-cd]pyrene	1.8	NA	1.7 J	1.7 J
Isodrin	ND(0.40)	NA	ND(0.40)	ND(0.40)
Isophorone	ND(0.40)	NA	ND(0.39)	ND(0.39)
Isosafrole	ND(0.82)	NA	ND(0.39)	ND(0.39)
Kepone	NA	NA	NA	NA
Methapyrilene	ND(0.82)	NA	ND(0.39)	ND(0.39)
Methyl Methanesulfonate	ND(0.40)	NA	ND(0.39)	ND(0.39)
Methyl Parathion	NA	NA	NA	NA
Naphthalene	0.13 J	NA	0.20 J	0.20 J
Nitrobenzene	ND(0.40)	NA	ND(0.39)	ND(0.39)
N-Nitrosodiethylamine	ND(0.40)	NA	ND(0.39)	ND(0.39)
N-Nitrosodimethylamine	ND(0.40)	NA	ND(0.39)	ND(0.39)
N-Nitroso-di-n-butylamine	ND(0.82)	NA	ND(0.39)	ND(0.39)
N-Nitroso-di-n-propylamine	ND(0.40)	NA	ND(0.39)	ND(0.39)
N-Nitrosodiphenylamine	ND(0.40)	NA	ND(0.39)	ND(0.39)
N-Nitrosomethylamine	ND(0.82)	NA	ND(0.39)	ND(0.39)
N-Nitrosomorpholine	ND(0.40)	NA	ND(0.39)	ND(0.39)
N-Nitrosopiperidine	ND(0.40)	NA	ND(0.39)	ND(0.39)
N-Nitrosopyrrolidine	ND(0.82)	NA	ND(0.39)	ND(0.39)
o,o,o-Triethylphosphorothioate	ND(0.40)	NA	NA	NA
o-Toluidine	ND(0.40)	NA	ND(0.39)	ND(0.39)
Paraldehyde	NA	NA	NA	NA
p-Dimethylaminoazobenzene	ND(0.82)	NA	ND(0.39)	ND(0.39)
Pentachlorobenzene	ND(0.40)	NA	ND(0.39)	ND(0.39)
Pentachloroethane	ND(0.40)	NA	ND(0.39)	ND(0.39)
Pentachloronitrobenzene	ND(0.82) J	NA	ND(0.39)	ND(0.39)
Pentachlorophenol	ND(2.1)	NA	ND(0.98)	ND(0.98)
Phenacetin	ND(0.82)	NA	ND(0.39) J	ND(0.39) J
Phenanthrene	0.48	NA	2.2	2.2
Phenol	ND(0.40)	NA	ND(0.39)	ND(0.39)
Phorate	NA	NA	NA	NA
Pronamide	ND(0.40)	NA	ND(0.39)	ND(0.39)
Pyrene	3.7	NA	3.7	3.7
Pyridine	ND(0.40)	NA	ND(0.39)	ND(0.39)
Safrole	ND(0.40)	NA	ND(0.39)	ND(0.39)
Sulfotep	NA	NA	NA	NA
Thionazin	ND(0.40)	NA	NA	NA
Total Phenols	NA	NA	NA	NA

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-R21 3-6 08/07/02	RAA12-R21 4-6 08/07/02	RB010661 H2-RB010661-0-0020 2-2.5 11/24/98
<b>Organochlorine Pesticides</b>				
4,4'-DDD	NA	NA	ND(0.80)	
4,4'-DDE	NA	NA	ND(0.80)	
4,4'-DDT	NA	NA	ND(0.80)	
Aldrin	NA	NA	ND(0.40)	
Alpha-BHC	NA	NA	ND(0.40)	
Alpha-Chlordane	NA	NA	NA	
Beta-BHC	NA	NA	ND(0.40)	
Delta-BHC	NA	NA	ND(0.40)	
Dieldrin	NA	NA	ND(0.80)	
Endosulfan I	NA	NA	ND(0.40)	
Endosulfan II	NA	NA	ND(0.80)	
Endosulfan Sulfate	NA	NA	ND(0.80)	
Endrin	NA	NA	ND(0.80)	
Endrin Aldehyde	NA	NA	ND(0.80)	
Endrin Ketone	NA	NA	NA	
Gamma-BHC (Lindane)	NA	NA	ND(0.40)	
Gamma-Chlordane	NA	NA	NA	
Heptachlor	NA	NA	ND(0.40)	
Heptachlor Epoxide	NA	NA	ND(0.40)	
Isodrin	NA	NA	NA	
Kepone	NA	NA	R	
Methoxychlor	NA	NA	ND(4.0)	
Technical Chlordane	NA	NA	ND(4.0)	
Toxaphene	NA	NA	ND(40)	
<b>Herbicides</b>				
2,4,5-T	NA	NA	NA	
2,4,5-TP	NA	NA	NA	
2,4-D	NA	NA	NA	
Dinoseb	NA	NA	ND(0.39)	
<b>Furans</b>				
2,3,7,8-TCDF	0.000077 Y	NA	0.000038	
TCDFs (total)	0.00033 Q	NA	0.00048 J	
1,2,3,7,8-PeCDF	0.000026	NA	0.000030	
2,3,4,7,8-PeCDF	0.000021 Q	NA	0.000046	
PeCDFs (total)	0.00021 Q	NA	0.00057 J	
1,2,3,4,7,8-HxCDF	0.000058	NA	0.000074	
1,2,3,6,7,8-HxCDF	0.000024	NA	0.000046	
1,2,3,7,8,9-HxCDF	0.0000064	NA	0.000012	
2,3,4,6,7,8-HxCDF	0.000012	NA	0.000027	
HxCDFs (total)	0.00029 Q	NA	0.00073 J	
1,2,3,4,6,7,8-HpCDF	0.000092 Q	NA	0.00025 J	
1,2,3,4,7,8,9-HpCDF	0.000015	NA	0.000024	
HpCDFs (total)	0.00017 Q	NA	0.00064 J	
OCDF	0.000068	NA	0.00025	
<b>Dioxins</b>				
2,3,7,8-TCDD	ND(0.0000011)	NA	0.00000073	
TCDDs (total)	0.0000096	NA	0.0000017	
1,2,3,7,8-PeCDD	0.0000028 JQ	NA	0.0000031	
PeCDDs (total)	0.000026 Q	NA	0.000032	
1,2,3,4,7,8-HxCDD	0.0000030 J	NA	0.0000078	
1,2,3,6,7,8-HxCDD	0.0000048 J	NA	0.000023	
1,2,3,7,8,9-HxCDD	0.0000044 J	NA	0.000014	
HxCDDs (total)	0.000062 Q	NA	0.00015	
1,2,3,4,6,7,8-HpCDD	0.000030	NA	0.00049	
HpCDDs (total)	0.000058	NA	0.00081	
OCDD	0.00019	NA	0.0041	
Total TEQs (WHO TEFs)	0.000036	NA	0.000061	

**TABLE E-5**  
**SUMMARY OF APPENDIX IX+3 SOIL SAMPLE DATA**  
**AVERAGING AREA I9-4-201 (COMMERCIAL PORTION)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
 (Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: Sample ID: Sample Depth(Feet): Date Collected:	RAA12-R21 3-6 08/07/02	RAA12-R21 4-6 08/07/02	RB010661 H2-RB010661-0-0020 2-2.5 11/24/98
<b>Inorganics</b>				
Aluminum	NA	NA	NA	NA
Antimony	1.20 B	NA	1.30 J	
Arsenic	5.00	NA	9.00	
Barium	47.0	NA	294	
Beryllium	0.290 B	NA	ND(0.0100)	
Cadmium	0.960	NA	0.560	
Calcium	NA	NA	NA	
Chromium	39.0	NA	14.3	
Cobalt	7.10	NA	14.3	
Copper	87.0	NA	124	
Cyanide	0.160	NA	ND(0.670) J	
Iron	NA	NA	NA	
Lead	120	NA	352	
Magnesium	NA	NA	NA	
Manganese	NA	NA	NA	
Mercury	0.220	NA	0.870	
Nickel	12.0	NA	17.6	
Potassium	NA	NA	NA	
Selenium	ND(1.00)	NA	ND(1.10) J	
Silver	ND(1.00)	NA	ND(0.300) J	
Sodium	NA	NA	NA	
Sulfide	37.0	NA	ND(5.80)	
Thallium	ND(1.80) J	NA	ND(0.650)	
Tin	19.0	NA	34.0	
Vanadium	8.80	NA	16.6	
Zinc	140	NA	294	

**Notes:**

1. Laboratory qualifiers are defined on Tables C-2, C-4, and C-6 of the *Conceptual Removal Design/Removal Action Work Plan for the Lyman Street Area* (BBL; March 2004).
2. NA = Constituent was not analyzed.
3. ND = Constituent was not detected.

**TABLE E-6**  
**COMPARISON OF DETECTED APPENDIX IX+3 CONSTITUENTS TO INDUSTRIAL SCREENING PRGs**  
**PARCEL I9-4-201 - COMMERCIAL PORTION**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Analytical Parameter	Maximum Detect	USEPA Region 9 Industrial PRGs (See Note 3)	Constituent Retained for Further Investigation (See Note 4)
<b>Volatile Organics</b>			
2-Butanone	0.004	27,000	No
Acetone	1.2	6,100	No
Carbon Disulfide	0.002	1,200	No
Chlorobenzene	0.23	180	No
Ethylbenzene	0.036	230	No
Tetrahydrofuran	0.001	92,000	No
Toluene	0.0096	520	No
Xylenes (total)	0.023	210	No
<b>Semivolatile Organics</b>			
2-Methylnaphthalene	3	190	No
4-Methylphenol	0.022	5,300	No
Acenaphthene	15	28,000	No
Acenaphthylene	2.5	190	No
Acetophenone	0.032	1.6	No
Aniline	0.3	530	No
Anthracene	39	220,000	No
Benzo(a)anthracene	72	3.6	<b>Yes</b>
Benzo(a)pyrene	61	0.36	<b>Yes</b>
Benzo(b)fluoranthene	63	3.6	<b>Yes</b>
Benzo(g,h,i)perylene	29	190	No
Benzo(k)fluoranthene	23	36	No
bis(2-Ethylhexyl)phthalate	0.4	210	No
Butylbenzylphthalate	0.029	930	No
Chrysene	62	360	No
Dibenzo(a,h)anthracene	8.9	0.36	<b>Yes</b>
Dibenzofuran	6.5	3,200	No
Di-n-Butylphthalate	0.74	110,000	No
Fluoranthene	160	37,000	No
Fluorene	15	22,000	No
Indeno(1,2,3-cd)pyrene	25	3.6	<b>Yes</b>
Naphthalene	4.7	190	No
Phenanthrene	160	190	No
Pyrene	180	26,000	No
<b>Inorganics</b>			
Antimony	4.4	750	No
Arsenic	24	3	<b>Yes</b>
Barium	3,800	100,000	No
Beryllium	0.62	3,400	No
Cadmium	1.9	930	No
Chromium	81	450	No
Cobalt	21	29,000	No
Copper	160	70,000	No
Cyanide	0.57	35	No
Lead	51,000	1,000	<b>Yes</b>
Mercury	2.2	560	No
Nickel	20	37,000	No
Selenium	3.8	9,400	No
Silver	3.4	9,400	No
Sulfide	461	1,200	No
Thallium	2	150	No
Tin	870	100,000	No
Vanadium	26	13,000	No
Zinc	2,300	100,000	No

Notes:

1. PRG = Preliminary Remediation Goal.
2. Per Attachment F to *Statement of Work for Removal Actions Outside the River* (SOW), comparison to PRGs is required for all detected Appendix IX+3 constituents except PCBs, dioxins and furans.
3. The PRGs listed in this column consist of EPA Region 9 Industrial soil PRGs for the constituents listed (as set forth in Exhibit F-1 to Attachment F to the SOW) or, for certain constituents, surrogate PRGs as identified in Section 3.3.3 of the *Conceptual Removal Design/Removal Action Work Plan for the Lyman Street Area* (BBL; March 2004).
4. Constituent is retained for further evaluation if its maximum detected concentration exceeds its corresponding PRG.

**TABLE E-7**  
**EXISTING CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 - COMMERCIAL PORTION (0- TO 1-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA12-L16 0-1 09/11/02	RAA12-L18 0-1 09/11/02	RAA12-M14 0-1 12/04/02	RAA12-M20 0-1 09/11/02	RAA12-N17 0-1 12/02/02
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	0.35	0.47	0.38	0.17	0.65
Benzo(a)pyrene	0.31	0.44	0.535	0.24	0.64
Benzo(b)fluoranthene	0.22	0.28	0.41	0.26	0.55
Dibenzo(a,h)anthracene	<b>0.18</b>	<b>0.175</b>	<b>0.6</b>	<b>0.195</b>	<b>0.18</b>
Indeno(1,2,3-cd)pyrene	0.18	0.21	0.295	0.2	0.34
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.0000039	0.0000072	0.0000063	0.000008	0.0000039
<b>Inorganics</b>					
Arsenic	7.1	4.2	4.8	6.9	9.1
Lead	180	99	76.5	170	89
Sample ID: Sample Depth(Feet): Date Collected:	RAA12-O16 0-1 12/02/02	RAA12-O16NE 0-1 07/09/03	RAA12-O16NW 0-1 07/09/03	RAA12-O16S 0-1 07/09/03	COMP O16 0-1 (See Note 1)
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	72	--	--	--	--
Benzo(a)pyrene	61	--	--	--	--
Benzo(b)fluoranthene	63	--	--	--	--
Dibenzo(a,h)anthracene	8.9	--	--	--	--
Indeno(1,2,3-cd)pyrene	25	--	--	--	--
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.0000033	--	--	--	--
<b>Inorganics</b>					
Arsenic	15	--	--	--	--
Lead	51,000	66	1,100	540	13,177

See notes on page 2.

**TABLE E-7**  
**EXISTING CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 - COMMERCIAL PORTION (0- TO 1-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA12-P21 0-1 08/07/02	RAA12-Q21 0-1 08/07/02	RAA12-Q22 0-1 08/07/02	RAA12-R17 0-1 08/06/02	RAA12-R18 0-1 08/06/02
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	0.32	<b>0.18</b>	0.29	<b>0.175</b>	<b>0.175</b>
Benzo(a)pyrene	0.3	<b>0.18</b>	0.27	<b>0.175</b>	<b>0.175</b>
Benzo(b)fluoranthene	0.34	<b>0.18</b>	0.33	<b>0.175</b>	<b>0.175</b>
Dibenzo(a,h)anthracene	0.19	<b>0.18</b>	<b>0.185</b>	<b>0.175</b>	<b>0.175</b>
Indeno(1,2,3-cd)pyrene	0.17	<b>0.18</b>	0.24	<b>0.175</b>	<b>0.175</b>
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.000014	0.000011	0.000015	0.0000019	0.000002
<b>Inorganics</b>					
Arsenic	11	6	3.6	2.9	3.4
Lead	690	180	35	25	11

Sample ID: Sample Depth(Feet): Date Collected:	RAA12-R19 0-1 08/07/02	Maximum Sample Result	Arithmetic Average Concentration (See Note 4)	MCP Wave 2 Method 1 S-2 GW-2/GW-3 Soil Standard (See Note 5)	Constituent Exceeds Initial Comparison Criteria? (See Note 6)
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	4	N/A (See Note 6)	6.60	40	No
Benzo(a)pyrene	3.8	N/A (See Note 6)	5.67	4	<b>Yes</b>
Benzo(b)fluoranthene	2.7	N/A (See Note 6)	5.72	40	No
Dibenzo(a,h)anthracene	0.85	N/A (See Note 6)	1.00	4	No
Indeno(1,2,3-cd)pyrene	2.2	N/A (See Note 6)	2.45	40	No
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.0000094	1.50E-05	N/A (See Note 6)	N/A (See Note 6)	No
<b>Inorganics</b>					
Arsenic	2.8	N/A (See Note 6)	6.40	20	No
Lead	130	N/A (See Note 6)	1,238.5	300	<b>Yes</b>

**Notes:**

- The results presented for this sample location represent the average of the following samples (depth: date collected in parentheses): RAA12-O16 (0-1'; 12/2/02), RAA12-O16NE (0-1'; 7/9/03), RAA12-O16NW (0-1'; 7/9/03), and RAA12-O16S (0-1'; 7/9/03).
- Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
- With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Industrial PRGs or surrogate PRGs.
- Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
- The Method 1 Wave 2 S-2 soil standards listed are those associated with GW-2 or GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
- Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
- Total TEQs concentrations in italics represent the maximum value for the sample location/depth increment in question.
- = Constituent not subject to analysis.

**TABLE E-8**  
**EXISTING CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 - COMMERCIAL PORTION (0- TO 3-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID:	RAA12-L16	RAA12-L18	RAA12-M14	RAA12-M20	RAA12-N17
Sample Depth(Feet):	0-1	0-1	0-1	0-1	0-1
Date Collected:	09/11/02	09/11/02	12/04/02	09/11/02	12/02/02
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	0.35	0.47	0.38	0.17	0.65
Benzo(a)pyrene	0.31	0.44	0.535	0.24	0.64
Benzo(b)fluoranthene	0.22	0.28	0.41	0.26	0.55
Dibenzo(a,h)anthracene	<b>0.18</b>	<b>0.175</b>	<b>0.6</b>	<b>0.195</b>	<b>0.18</b>
Indeno(1,2,3-cd)pyrene	0.18	0.21	0.295	0.2	0.34
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.0000039	0.0000072	0.0000063	0.000008	0.0000039
<b>Inorganics</b>					
Arsenic	7.1	4.2	4.8	6.9	9.1
Lead	180	99	76.5	170	89
Sample ID:	RAA12-O16	RAA12-O16NE	RAA12-O16NW	RAA12-O16S	COMP-O16
Sample Depth(Feet):	0-1	0-1	0-1	0-1	0-1
Date Collected:	12/02/02	07/09/03	07/09/03	07/09/03	(See Note 1)
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	72	--	--	--	--
Benzo(a)pyrene	61	--	--	--	--
Benzo(b)fluoranthene	63	--	--	--	--
Dibenzo(a,h)anthracene	8.9	--	--	--	--
Indeno(1,2,3-cd)pyrene	25	--	--	--	--
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.0000033	--	--	--	--
<b>Inorganics</b>					
Arsenic	15	--	--	--	--
Lead	51,000	66	1,100	540	13,177

See notes on page 3.

**TABLE E-8**  
**EXISTING CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 - COMMERCIAL PORTION (0- TO 3-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID:	RAA12-P21	RAA12-Q21	RAA12-Q22	RAA12-R17	RAA12-R18
Sample Depth(Feet):	0-1	0-1	0-1	0-1	0-1
Date Collected:	08/07/02	08/07/02	08/07/02	08/06/02	08/06/02
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	0.32	<b>0.18</b>	0.29	<b>0.175</b>	<b>0.175</b>
Benzo(a)pyrene	0.3	<b>0.18</b>	0.27	<b>0.175</b>	<b>0.175</b>
Benzo(b)fluoranthene	0.34	<b>0.18</b>	0.33	<b>0.175</b>	<b>0.175</b>
Dibenzo(a,h)anthracene	0.19	<b>0.18</b>	<b>0.185</b>	<b>0.175</b>	<b>0.175</b>
Indeno(1,2,3-cd)pyrene	0.17	<b>0.18</b>	0.24	<b>0.175</b>	<b>0.175</b>
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.000014	0.000011	0.000015	0.0000019	0.000002
<b>Inorganics</b>					
Arsenic	11	6	3.6	2.9	3.4
Lead	690	180	35	25	11
Sample ID:	RAA12-R19	RAA12-L18	RAA12-N16	RAA12-O16	RAA12-R18
Sample Depth(Feet):	0-1	1-3	1-3	1-3	1-3
Date Collected:	08/07/02	09/11/02	12/10/02	07/09/03	08/06/02
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	4	3.6	0.42	--	0.11
Benzo(a)pyrene	3.8	2.7	0.34	--	<b>0.21</b>
Benzo(b)fluoranthene	2.7	2.2	0.325	--	0.11
Dibenzo(a,h)anthracene	0.85	0.51	<b>0.2025</b>	--	<b>0.21</b>
Indeno(1,2,3-cd)pyrene	2.2	1.5	0.22	--	<b>0.21</b>
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.0000094	0.000035	0.000003	--	0.0000036
<b>Inorganics</b>					
Arsenic	2.8	14	6.25	--	11
Lead	130	310	78.2	420	130

See notes on page 3.

**TABLE E-8**  
**EXISTING CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 - COMMERCIAL PORTION (0- TO 3-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID: Sample Depth(Feet): Date Collected:	RB010661 2-2.5 11/24/98	Maximum Sample Result	Arithmetic Average Concentration (See Note 4)	MCP Wave 2 Method 1 S-2 GW-2/GW-3 Soil Standard (See Note 5)	Constituent Exceeds Initial Comparison Criteria? (See Note 6)
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	1.6	N/A (See Note 6)	5.31	40	No
Benzo(a)pyrene	1.9	N/A (See Note 6)	4.58	4	Yes
Benzo(b)fluoranthene	1.3	N/A (See Note 6)	4.53	40	No
Dibenzo(a,h)anthracene	0.56	N/A (See Note 6)	0.84	4	No
Indeno(1,2,3-cd)pyrene	1.7	N/A (See Note 6)	2.06	40	No
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.000061	6.10E-05	N/A (See Note 6)	N/A (See Note 6)	No
<b>Inorganics</b>					
Arsenic	9	N/A (See Note 6)	7.32	20	No
Lead	352	N/A (See Note 6)	950.13	300	Yes

Notes:

- The results presented for this sample location represent the average of the following samples (depth: date collected in parentheses): RAA12-O16 (0-1'; 12/2/02), RAA12-O16NE (0-1'; 7/9/03 RAA12-O16NW (0-1'; 7/9/03), and RAA12-O16S (0-1'; 7/9/03).
- Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
- With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Industrial PRGs or surrogate PRGs.
- Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
- The Method 1 Wave 2 S-2 soil standards listed are those associated with GW-2 or GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River*(SOW) or other TEQ comparison criteria utilized during previous evaluations.
- Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
- Total TEQs concentrations in italics represent the maximum value for the sample location/depth increment in question.
- = Constituent not subject to analysis.

**TABLE E-9**  
**EXISTING CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 - COMMERCIAL PORTION (1- TO 6-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID:	RAA12-L18	RAA12-N16	RAA12-O16	RAA12-R18	RB010661	RAA12-L16	RAA12-N18
Sample Depth(Feet):	1-3	1-3	1-3	1-3	2-2.5	3-6	3-6
Date Collected:	09/11/02	12/10/02	07/09/03	08/06/02	11/24/98	09/11/02	12/03/02

**Semivolatile Organics**

Benzo(a)anthracene	3.6	0.42	--	0.11	1.6	0.082	1.1
Benzo(a)pyrene	2.7	0.34	--	<b>0.21</b>	1.9	0.13	1
Benzo(b)fluoranthene	2.2	0.325	--	0.11	1.3	<b>0.195</b>	1
Dibenzo(a,h)anthracene	0.51	<b>0.2025</b>	--	<b>0.21</b>	0.56	<b>0.195</b>	0.2
Indeno(1,2,3-cd)pyrene	1.5	0.22	--	<b>0.21</b>	1.7	<b>0.195</b>	0.67

**Inorganics**

Arsenic	14	6.25	--	11	9	6.6	15
Lead	310	78.2	420	130	352	120	840

Sample ID:	RAA12-O16	RAA12-R16	RAA12-R21	Arithmetic Average Concentration (See Note 2)	MCP Wave 2 Method 1 S-3 GW-2/GW-3 Soil Standard (See Note 3)	Constituent Exceeds Initial Comparison Criteria? (See Note 4)
Sample Depth(Feet):	3-6	3-6	3-6			
Date Collected:	07/09/03	08/08/02	08/07/02			
<b>Semivolatile Organics</b>						
Benzo(a)anthracene	--	1.4	2.1	1.30	300	No
Benzo(a)pyrene	--	2	2.6	1.36	30	No
Benzo(b)fluoranthene	--	1.3	1.8	1.03	300	No
Dibenzo(a,h)anthracene	--	<b>0.205</b>	0.58	0.33	30	No
Indeno(1,2,3-cd)pyrene	--	1	1.8	0.91	300	No
<b>Inorganics</b>						
Arsenic	--	4.7	5	8.9	20	No
Lead	720	310	120	340	300	<b>Yes</b>

**Notes:**

1. Constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Industrial PRGs or surrogate PRGs.
2. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
3. The Method 1 Wave 2 S-3 soil standards listed are those associated with GW-2 or GW-3 groundwater (whichever is more stringent).
4. Arithmetic average concentrations of all constituents are compared to Method 1 Wave 2 Soil Standards.
5. -- = Constituent not subject to analysis.

**TABLE E-10**  
**EXISTING CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 - COMMERCIAL PORTION (0- TO 15-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA12-L16 0-1 09/11/02	RAA12-L18 0-1 09/11/02	RAA12-M14 0-1 12/04/02	RAA12-M20 0-1 09/11/02	RAA12-N17 0-1 12/02/02	RAA12-O16 0-1 12/02/02	RAA12-O16NE 0-1 07/09/03
<b>Semivolatile Organics</b>							
Benzo(a)anthracene	0.35	0.47	0.38	0.17	0.65	72	--
Benzo(a)pyrene	0.31	0.44	0.535	0.24	0.64	61	--
Benzo(b)fluoranthene	0.22	0.28	0.41	0.26	0.55	63	--
Dibenzo(a,h)anthracene	<b>0.18</b>	<b>0.175</b>	<b>0.6</b>	<b>0.195</b>	<b>0.18</b>	8.9	--
Indeno(1,2,3-cd)pyrene	0.18	0.21	0.295	0.2	0.34	25	--
<b>Dioxins/Furans</b>							
Total TEQs (WHO TEFs)	See Note 9	See Note 9	See Note 9	See Note 9	See Note 9	See Note 9	--
<b>Inorganics</b>							
Arsenic	7.1	4.2	4.8	6.9	9.1	15	--
Lead	180	99	76.5	170	89	51,000	66
Sample ID: Sample Depth(Feet): Date Collected:	RAA12-O16NW 0-1 07/09/03	RAA12-O16S 0-1 07/09/03	COMP-O16 0-1 (See Note 1)	RAA12-P21 0-1 08/07/02	RAA12-Q21 0-1 08/07/02	RAA12-Q22 0-1 08/07/02	RAA12-R17 0-1 08/06/02
<b>Semivolatile Organics</b>							
Benzo(a)anthracene	--	--	--	0.32	<b>0.18</b>	0.29	<b>0.175</b>
Benzo(a)pyrene	--	--	--	0.3	<b>0.18</b>	0.27	<b>0.175</b>
Benzo(b)fluoranthene	--	--	--	0.34	<b>0.18</b>	0.33	<b>0.175</b>
Dibenzo(a,h)anthracene	--	--	--	0.19	<b>0.18</b>	<b>0.185</b>	<b>0.175</b>
Indeno(1,2,3-cd)pyrene	--	--	--	0.17	<b>0.18</b>	0.24	<b>0.175</b>
<b>Dioxins/Furans</b>							
Total TEQs (WHO TEFs)	--	--	--	See Note 9	See Note 9	See Note 9	See Note 9
<b>Inorganics</b>							
Arsenic	--	--	--	11	6	3.6	2.9
Lead	1,100	540	13,177	690	180	35	25

See notes on page 4.

**TABLE E-10**  
**EXISTING CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 - COMMERCIAL PORTION (0- TO 15-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID:	RAA12-R18	RAA12-R19	RAA12-L18	RAA12-N16	RAA12-O16	RAA12-R18	RB010661
Sample Depth(Feet):	0-1	0-1	1-3	1-3	1-3	1-3	2-2.5
Date Collected:	08/06/02	08/07/02	09/11/02	12/10/02	07/09/03	08/06/02	11/24/98
<b>Semivolatile Organics</b>							
Benzo(a)anthracene	0.175	4	3.6	0.42	--	0.11	1.6
Benzo(a)pyrene	0.175	3.8	2.7	0.34	--	0.21	1.9
Benzo(b)fluoranthene	0.175	2.7	2.2	0.325	--	0.11	1.3
Dibenzo(a,h)anthracene	0.175	0.85	0.51	0.2025	--	0.21	0.56
Indeno(1,2,3-cd)pyrene	0.175	2.2	1.5	0.22	--	0.21	1.7
<b>Dioxins/Furans</b>							
Total TEQs (WHO TEFs)	See Note 9	See Note 9	0.000035	0.000003	--	0.0000036	0.000061
<b>Inorganics</b>							
Arsenic	3.4	2.8	14	6.25	--	11	9
Lead	11	130	310	78.2	420	130	352
Sample ID:	RAA12-L16	RAA12-N18	RAA12-O16	RAA12-R16	RAA12-R21	LSSC-31	RAA12-L18
Sample Depth(Feet):	3-6	3-6	3-6	3-6	3-6	6-10	6-10
Date Collected:	09/11/02	12/03/02	07/09/03	08/08/02	08/07/02	07/28/99	09/11/02
<b>Semivolatile Organics</b>							
Benzo(a)anthracene	0.082	1.1	--	1.4	2.1	6.2	0.37
Benzo(a)pyrene	0.13	1	--	2	2.6	10	0.3
Benzo(b)fluoranthene	0.195	1	--	1.3	1.8	5.1	0.18
Dibenzo(a,h)anthracene	0.195	0.2	--	0.205	0.58	1.4	0.25
Indeno(1,2,3-cd)pyrene	0.195	0.67	--	1	1.8	4.3	0.12
<b>Dioxins/Furans</b>							
Total TEQs (WHO TEFs)	0.00000055	0.000012	--	0.00004	0.000036	0.000019	0.0000064
<b>Inorganics</b>							
Arsenic	6.6	15	--	4.7	5	5.9	24
Lead	120	840	720	310	120	137	2,000

See notes on page 4.

**TABLE E-10**  
**EXISTING CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 - COMMERCIAL PORTION (0- TO 15-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID:	RAA12-N16	Sample Depth(Feet):	6-10	RAA12-R18	6-10	LS-45	10-12	BH000555	10-15	LSSC-07	10-15	LSSC-08	10-15	LSSC-16	10-15
Date Collected:	12/10/02				08/06/02 <th></th> <td>04/25/96<th></th><td>01/31/02<th></th><td>12/18/98<th></th><td>12/16/98</td><th></th><td>03/03/99</td></td></td></td>		04/25/96 <th></th> <td>01/31/02<th></th><td>12/18/98<th></th><td>12/16/98</td><th></th><td>03/03/99</td></td></td>		01/31/02 <th></th> <td>12/18/98<th></th><td>12/16/98</td><th></th><td>03/03/99</td></td>		12/18/98 <th></th> <td>12/16/98</td> <th></th> <td>03/03/99</td>		12/16/98		03/03/99
<b>Semivolatile Organics</b>															
Benzo(a)anthracene	0.225		0.205		0.14		0.215		0.225		0.23		0.23		0.2
Benzo(a)pyrene	0.225		0.205		0.24		0.215		0.64		0.23		0.23		0.2
Benzo(b)fluoranthene	0.225		0.205		0.11		0.215		0.225		0.23		0.23		0.2
Dibenzo(a,h)anthracene	0.225		0.205		0.445		0.215		0.225		0.23		0.23		0.2
Indeno(1,2,3-cd)pyrene	0.225		0.205		0.12		0.215		0.225		0.23		0.23		0.2
<b>Dioxins/Furans</b>															
Total TEQs (WHO TEFs)	0.0000038		0.00000043		0.00000052		0.0000005		0.000002		0.0000012		0.000002		
<b>Inorganics</b>															
Arsenic	2.2		2.3		1.6		2.5		2.1		2.1		2.1		2
Lead	4.8		5.9		5.9		17.2		6.7		7.1		7.1		4.5

Sample ID:	LSSC-17	Sample Depth(Feet):	10-15	RAA12-N16	10-15	RAA12-R16	10-15	Maximum Sample Result	Arithmetic Average Concentration (See Note 4)	MCP Wave 2 Method 1 S-3 GW-2/GW-3 Soil Standard (See Note 5)	Constituent Exceeds Initial Comparison Criteria? (See Note 6)
Date Collected:	03/05/99		12/10/02		<th></th> <th></th> <th></th> <th></th> <th></th> <th></th>						
<b>Semivolatile Organics</b>											
Benzo(a)anthracene	0.23		0.22		0.195	N/A (See Note 6)		3.07		300	No
Benzo(a)pyrene	0.39		0.22		0.195	N/A (See Note 6)		2.88		30	No
Benzo(b)fluoranthene	0.23		0.22		0.195	N/A (See Note 6)		2.63		300	No
Dibenzo(a,h)anthracene	0.23		0.22		0.195	N/A (See Note 6)		0.58		30	No
Indeno(1,2,3-cd)pyrene	0.23		0.22		0.195	N/A (See Note 6)		1.35		300	No
<b>Dioxins/Furans</b>											
Total TEQs (WHO TEFs)	0.00000052		0.00000087		0.00000056	6.10E-05	N/A (See Note 6)		N/A (See Note 6)		No
<b>Inorganics</b>											
Arsenic	2.2		1.8		1.1	N/A (See Note 6)		6.19		20	No
Lead	7.7		4.3		5	N/A (See Note 6)		602		300	Yes

See notes on page 4.

**TABLE E-10**  
**EXISTING CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 - COMMERCIAL PORTION (0- TO 15-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

**Notes:**

1. The results presented for this sample location represent the average of the following samples (depth: date collected in parentheses): RAA12-O16 (0-1'; 12/2/02), RAA12-O16NE (0-1'; 7/9/03), RAA12-O16NW (0-1'; 7/9/03), and RAA12-O16S (0-1'; 7/9/03).
2. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
3. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Industrial PRGs or surrogate PRGs.
4. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
5. The Method 1 Wave 2 S-2 soil standards listed are those associated with GW-2 or GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River*(SOW) or other TEQ comparison criteria utilized during previous evaluations.
6. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
7. Total TEQs concentrations in *italics* represent the maximum value for the sample location/depth increment in question.
8. -- = Constituent not subject to analysis.
9. Total TEQs (WHO TEFs) were evaluated for the 1- to 15-foot depth increment only.

**TABLE E-11**  
**POST-REMEDIATION CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 - COMMERCIAL PORTION (0- TO 1-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA12-L16 0-1 09/11/02	RAA12-L18 0-1 09/11/02	RAA12-M14 0-1 12/04/02	RAA12-M20 0-1 09/11/02	RAA12-N17 0-1 12/02/02
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	0.35	0.47	0.38	0.17	0.65
Benzo(a)pyrene	0.31	0.44	0.535	0.24	0.64
Benzo(b)fluoranthene	0.22	0.28	0.41	0.26	0.55
Dibenzo(a,h)anthracene	<b>0.18</b>	<b>0.175</b>	<b>0.6</b>	<b>0.195</b>	<b>0.18</b>
Indeno(1,2,3-cd)pyrene	0.18	0.21	0.295	0.2	0.34
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.0000039	0.0000072	0.0000063	0.000008	0.0000039
<b>Inorganics</b>					
Arsenic	7.1	4.2	4.8	6.9	9.1
Lead	180	99	76.5	170	89
Sample ID: Sample Depth(Feet): Date Collected:	RAA12-O16 0-1 12/02/02	RAA12-O16NE 0-1 07/09/03	RAA12-O16NW 0-1 07/09/03	RAA12-O16S 0-1 07/09/03	COMP-O16 0-1 (See Note 1)
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	72	--	--	--	--
Benzo(a)pyrene	61	--	--	--	--
Benzo(b)fluoranthene	63	--	--	--	--
Dibenzo(a,h)anthracene	8.9	--	--	--	--
Indeno(1,2,3-cd)pyrene	25	--	--	--	--
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.0000033	--	--	--	--
<b>Inorganics</b>					
Arsenic	15	--	--	--	--
Lead	<b>6.24</b>	66	1,100	540	428

See notes on page 2.

**TABLE E-11**  
**POST-REMEDIATION CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 - COMMERCIAL PORTION (0- TO 1-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID: Sample Depth(Feet): Date Collected:	RAA12-P21 0-1 08/07/02	RAA12-Q21 0-1 08/07/02	RAA12-Q22 0-1 08/07/02	RAA12-R17 0-1 08/06/02	RAA12-R18 0-1 08/06/02
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	0.32	<b>0.18</b>	0.29	<b>0.175</b>	<b>0.175</b>
Benzo(a)pyrene	0.3	<b>0.18</b>	0.27	<b>0.175</b>	<b>0.175</b>
Benzo(b)fluoranthene	0.34	<b>0.18</b>	0.33	<b>0.175</b>	<b>0.175</b>
Dibenzo(a,h)anthracene	0.19	<b>0.18</b>	<b>0.185</b>	<b>0.175</b>	<b>0.175</b>
Indeno(1,2,3-cd)pyrene	0.17	<b>0.18</b>	0.24	<b>0.175</b>	<b>0.175</b>
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.000014	0.000011	0.000015	0.0000019	0.000002
<b>Inorganics</b>					
Arsenic	11	6	3.6	2.9	3.4
Lead	690	180	35	25	11

Sample ID: Sample Depth(Feet): Date Collected:	RAA12-R19 0-1 08/07/02	Maximum Sample Result	Arithmetic Average Concentration (See Note 4)	MCP Wave 2 Method 1 S-2 GW-2/GW-3 Soil Standard (See Note 5)	Constituent Exceeds Initial Comparison Criteria? (See Note 6)
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	4	N/A (See Note 6)	6.60	40	Yes
Benzo(a)pyrene	3.8	N/A (See Note 6)	5.67	4	Yes
Benzo(b)fluoranthene	2.7	N/A (See Note 6)	5.72	40	Yes
Dibenzo(a,h)anthracene	0.85	N/A (See Note 6)	1.00	4	Yes
Indeno(1,2,3-cd)pyrene	2.2	N/A (See Note 6)	2.45	40	Yes
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.0000094	1.50E-05	N/A (See Note 6)	N/A (See Note 6)	No
<b>Inorganics</b>					
Arsenic	2.8	N/A (See Note 6)	6.40	20	No
Lead	130	N/A (See Note 6)	176	300	No

**Notes:**

- The results presented for this sample location represent the average of the following samples (depth: date collected in parentheses): RAA12-O16 (0-1'; 12/2/02), RAA12-O16NE (0-1'; 7/9/03), RAA12-O16NW (0-1'; 7/9/03), and RAA12-O16S (0-1'; 7/9/03).
- Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
- With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Industrial PRGs or surrogate PRGs.
- Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
- The Method 1 Wave 2 S-2 soil standards listed are those associated with GW-2 or GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River*(SOW) or other TEQ comparison criteria utilized during previous evaluations.
- Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
- Total TEQs concentrations in italics represent the maximum value for the sample location/depth increment in question.
- = Constituent not subject to analysis.
- Shaded numbers in bold and italics represent the placement of clean backfill material following the performance of the proposed remediation. The backfill constituent concentrations correspond to the average concentrations of such constituents as presented in the GE CD Backfill Data Set.

**TABLE E-12**  
**POST-REMEDIATION CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 - COMMERCIAL PORTION (0- TO 3-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID:	RAA12-L16	RAA12-L18	RAA12-M14	RAA12-M20	RAA12-N17
Sample Depth(Feet):	0-1	0-1	0-1	0-1	0-1
Date Collected:	09/11/02	09/11/02	12/04/02	09/11/02	12/02/02
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	0.35	0.47	0.38	0.17	0.65
Benzo(a)pyrene	0.31	0.44	0.535	0.24	0.64
Benzo(b)fluoranthene	0.22	0.28	0.41	0.26	0.55
Dibenz(a,h)anthracene	<b>0.18</b>	<b>0.175</b>	<b>0.6</b>	<b>0.195</b>	<b>0.18</b>
Indeno(1,2,3-cd)pyrene	0.18	0.21	0.295	0.2	0.34
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.0000039	0.0000072	0.0000063	0.000008	0.0000039
<b>Inorganics</b>					
Arsenic	7.1	4.2	4.8	6.9	9.1
Lead	180	99	76.5	170	89
Sample ID:	RAA12-O16	RAA12-O16NE	RAA12-O16NW	RAA12-O16S	COMP-O16
Sample Depth(Feet):	0-1	0-1	0-1	0-1	0-1
Date Collected:	12/02/02	07/09/03	07/09/03	07/09/03	(See Note 1)
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	72	--	--	--	--
Benzo(a)pyrene	61	--	--	--	--
Benzo(b)fluoranthene	63	--	--	--	--
Dibenz(a,h)anthracene	8.9	--	--	--	--
Indeno(1,2,3-cd)pyrene	25	--	--	--	--
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.0000033	--	--	--	--
<b>Inorganics</b>					
Arsenic	15	--	--	--	--
Lead	<b>6.24</b>	66	1,100	540	428

See notes on page 3.

**TABLE E-12**  
**POST-REMEDIATION CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 - COMMERCIAL PORTION (0- TO 3-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID:	RAA12-P21	RAA12-Q21	RAA12-Q22	RAA12-R17	RAA12-R18
Sample Depth(Feet):	0-1	0-1	0-1	0-1	0-1
Date Collected:	08/07/02	08/07/02	08/07/02	08/06/02	08/06/02
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	0.32	<b>0.18</b>	0.29	<b>0.175</b>	<b>0.175</b>
Benzo(a)pyrene	0.3	<b>0.18</b>	0.27	<b>0.175</b>	<b>0.175</b>
Benzo(b)fluoranthene	0.34	<b>0.18</b>	0.33	<b>0.175</b>	<b>0.175</b>
Dibeno(a,h)anthracene	0.19	<b>0.18</b>	<b>0.185</b>	<b>0.175</b>	<b>0.175</b>
Indeno(1,2,3-cd)pyrene	0.17	<b>0.18</b>	0.24	<b>0.175</b>	<b>0.175</b>
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.000014	0.000011	0.000015	0.000019	0.000002
<b>Inorganics</b>					
Arsenic	11	6	3.6	2.9	3.4
Lead	690	180	35	25	11
Sample ID:	RAA12-R19	RAA12-L18	RAA12-N16	RAA12-O16	RAA12-R18
Sample Depth(Feet):	0-1	1-3	1-3	1-3	1-3
Date Collected:	08/07/02	09/11/02	12/10/02	07/09/03	08/06/02
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	4	3.6	0.42	--	0.11
Benzo(a)pyrene	3.8	2.7	0.34	--	<b>0.21</b>
Benzo(b)fluoranthene	2.7	2.2	0.325	--	0.11
Dibeno(a,h)anthracene	0.85	0.51	<b>0.2025</b>	--	<b>0.21</b>
Indeno(1,2,3-cd)pyrene	2.2	1.5	0.22	--	<b>0.21</b>
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.0000094	0.000035	0.000003	--	0.0000036
<b>Inorganics</b>					
Arsenic	2.8	14	6.25	--	11
Lead	130	310	78.2	420	130

See notes on page 3.

**TABLE E-12**  
**POST-REMEDIATION CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 - COMMERCIAL PORTION (0- TO 3-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID: Sample Depth(Feet): Date Collected:	RB010661 2-2.5 11/24/98	Maximum Sample Result	Arithmetic Average Concentration (See Note 4)	MCP Wave 2 Method 1 S-2 GW-2/GW-3 Soil Standard (See Note 5)	Constituent Exceeds Initial Comparison Criteria? (See Note 6)
<b>Semivolatile Organics</b>					
Benzo(a)anthracene	1.6	N/A (See Note 6)	5.31	40	No
Benzo(a)pyrene	1.9	N/A (See Note 6)	4.58	4	<b>Yes</b>
Benzo(b)fluoranthene	1.3	N/A (See Note 6)	4.53	40	No
Dibeno(a,h)anthracene	0.56	N/A (See Note 6)	0.84	4	No
Indeno(1,2,3-cd)pyrene	1.7	N/A (See Note 6)	2.06	40	No
<b>Dioxins/Furans</b>					
Total TEQs (WHO TEFs)	0.000061	6.10E-05	N/A (See Note 6)	N/A (See Note 6)	No
<b>Inorganics</b>					
Arsenic	9	N/A (See Note 6)	7.32	20	No
Lead	352	N/A (See Note 6)	200	300	No

**Notes:**

1. The results presented for this sample location represent the average of the following samples (depth: date collected in parentheses): RAA12-O16 (0-1'; 12/2/02), RAA12-O16NE (0-1'; 7/9/03), RAA12-O16NW (0-1'; 7/9/03), and RAA12-O16S (0-1'; 7/9/03).
2. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
3. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Industrial PRGs or surrogate PRGs.
4. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
5. The Method 1 Wave 2 S-2 soil standards listed are those associated with GW-2 or GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River*(SOW) or other TEQ comparison criteria utilized during previous evaluations.
6. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
7. Total TEQs concentrations in italics represent the maximum value for the sample location/depth increment in question.
8. -- = Constituent not subject to analysis.
9. Shaded numbers in bold and italics represent the placement of clean backfill material following the performance of the proposed remediation. The backfill constituent concentrations correspond to the average concentrations of such constituents as presented in the GE CD Backfill Data Set.

**TABLE E-13**  
**POST-REMEDIATION CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 -COMMERCIAL PORTION (0- TO 15-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA/  
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
(Results in ppm, dry weight)

Sample ID:	RAA12-L16	RAA12-L18	RAA12-M14	RAA12-M20	RAA12-N17	RAA12-O16	RAA12-O16NE
Sample Depth(Feet):	0-1	0-1	0-1	0-1	0-1	0-1	0-1
Date Collected:	09/11/02	09/11/02	12/04/02	09/11/02	12/02/02	12/02/02	07/09/03
<b>Semivolatile Organics</b>							
Benzo(a)anthracene	0.35	0.47	0.38	0.17	0.65	72	--
Benzo(a)pyrene	0.31	0.44	0.535	0.24	0.64	61	--
Benzo(b)fluoranthene	0.22	0.28	0.41	0.26	0.55	63	--
Dibenz(a,h)anthracene	<b>0.18</b>	<b>0.175</b>	<b>0.6</b>	<b>0.195</b>	<b>0.18</b>	8.9	--
Indeno(1,2,3-cd)pyrene	0.18	0.21	0.295	0.2	0.34	25	--
<b>Dioxins/Furans</b>							
Total TEQs (WHO TEFs)	See Note 9	See Note 9	See Note 9	See Note 9	See Note 9	See Note 9	--
<b>Inorganics</b>							
Arsenic	7.1	4.2	4.8	6.9	9.1	15	--
Lead	180	99	76.5	170	89	<b>6.24</b>	66
Sample ID:	RAA12-O16NW	RAA12-O16S	COMP-O16	RAA12-P21	RAA12-Q21	RAA12-Q22	RAA12-R17
Sample Depth(Feet):	0-1	0-1	(See Note 1)	0-1	0-1	0-1	0-1
Date Collected:	07/09/03	07/09/03		08/07/02	08/07/02	08/07/02	08/06/02
<b>Semivolatile Organics</b>							
Benzo(a)anthracene	--	--	--	0.32	<b>0.18</b>	0.29	<b>0.175</b>
Benzo(a)pyrene	--	--	--	0.3	<b>0.18</b>	0.27	<b>0.175</b>
Benzo(b)fluoranthene	--	--	--	0.34	<b>0.18</b>	0.33	<b>0.175</b>
Dibenz(a,h)anthracene	--	--	--	0.19	<b>0.18</b>	<b>0.185</b>	<b>0.175</b>
Indeno(1,2,3-cd)pyrene	--	--	--	0.17	<b>0.18</b>	0.24	<b>0.175</b>
<b>Dioxins/Furans</b>							
Total TEQs (WHO TEFs)	--	--	--	See Note 9	See Note 9	See Note 9	See Note 9
<b>Inorganics</b>							
Arsenic	--	--	--	11	6	3.6	2.9
Lead	1,100	540	428	690	180	35	25

See notes on page 4.

**TABLE E-13**  
**POST-REMEDIATION CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 -COMMERCIAL PORTION (0- TO 15-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA/  
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
(Results in ppm, dry weight)

Sample ID:	RAA12-R18	RAA12-R19	RAA12-L18	RAA12-N16	RAA12-O16	RAA12-R18	RB010661
Sample Depth(Feet):	0-1	0-1	1-3	1-3	1-3	1-3	2-2.5
Date Collected:	08/06/02	08/07/02	09/11/02	12/10/02	07/09/03	08/06/02	11/24/98
<b>Semivolatile Organics</b>							
Benzo(a)anthracene	0.175	4	3.6	0.42	--	0.11	1.6
Benzo(a)pyrene	0.175	3.8	2.7	0.34	--	0.21	1.9
Benzo(b)fluoranthene	0.175	2.7	2.2	0.325	--	0.11	1.3
Dibenz(a,h)anthracene	0.175	0.85	0.51	0.2025	--	0.21	0.56
Indeno(1,2,3-cd)pyrene	0.175	2.2	1.5	0.22	--	0.21	1.7
<b>Dioxins/Furans</b>							
Total TEQs (WHO TEFs)	See Note 9	See Note 9	0.000035	0.000003	--	0.0000036	0.000061
<b>Inorganics</b>							
Arsenic	3.4	2.8	14	6.25	--	11	9
Lead	11	130	310	78.2	420	130	352
Sample ID:	RAA12-L16	RAA12-N18	RAA12-O16	RAA12-R16	RAA12-R21	LSSC-31	RAA12-L18
Sample Depth(Feet):	3-6	3-6	3-6	3-6	3-6	6-10	6-10
Date Collected:	09/11/02	12/03/02	07/09/03	08/08/02	08/07/02	07/28/99	09/11/02
<b>Semivolatile Organics</b>							
Benzo(a)anthracene	0.082	1.1	--	1.4	2.1	6.2	0.37
Benzo(a)pyrene	0.13	1	--	2	2.6	10	0.3
Benzo(b)fluoranthene	0.195	1	--	1.3	1.8	5.1	0.18
Dibenz(a,h)anthracene	0.195	0.2	--	0.205	0.58	1.4	0.25
Indeno(1,2,3-cd)pyrene	0.195	0.67	--	1	1.8	4.3	0.12
<b>Dioxins/Furans</b>							
Total TEQs (WHO TEFs)	0.00000055	0.000012	--	0.00004	0.000036	0.000019	0.0000064
<b>Inorganics</b>							
Arsenic	6.6	15	--	4.7	5	5.9	24
Lead	120	840	720	310	120	137	2,000

See notes on page 4.

**TABLE E-13**  
**POST-REMEDIATION CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 -COMMERCIAL PORTION (0- TO 15-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA/  
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
(Results in ppm, dry weight)

Sample ID:	RAA12-N16	RAA12-R18	LS-45	BH000555	LSSC-07	LSSC-08	LSSC-16
Sample Depth(Feet):	6-10	6-10	10-12	10-15	10-15	10-15	10-15
Date Collected:	12/10/02	08/06/02	04/25/96	01/31/02	12/18/98	12/16/98	03/03/99
<b>Semivolatile Organics</b>							
Benzo(a)anthracene	0.225	0.205	0.14	0.215	0.225	0.23	0.2
Benzo(a)pyrene	0.225	0.205	0.24	0.215	0.64	0.23	0.2
Benzo(b)fluoranthene	0.225	0.205	0.11	0.215	0.225	0.23	0.2
Dibenzo(a,h)anthracene	0.225	0.205	0.445	0.215	0.225	0.23	0.2
Indeno(1,2,3-cd)pyrene	0.225	0.205	0.12	0.215	0.225	0.23	0.2
<b>Dioxins/Furans</b>							
Total TEQs (WHO TEFs)	0.0000038	0.00000043	0.00000052	0.0000005	0.000002	0.0000012	0.000002
<b>Inorganics</b>							
Arsenic	2.2	2.3	1.6	2.5	2.1	2.1	2
Lead	4.8	5.9	5.9	17.2	6.7	7.1	4.5
Sample ID:	LSSC-17	RAA12-N16	RAA12-R16	Maximum Sample Result	Arithmetic Average Concentration (See Note 4)	MCP Wave 2 Method 1 S-3 GW-2/GW-3 Soil Standard (See Note 5)	Constituent Exceeds Initial Comparison Criteria? (See Note 6)
Sample Depth(Feet):	10-15	10-15	10-15				
Date Collected:	03/05/99	12/10/02	08/08/02				
<b>Semivolatile Organics</b>							
Benzo(a)anthracene	0.23	0.22	0.195	N/A (See Note 6)	3.07	300	No
Benzo(a)pyrene	0.39	0.22	0.195	N/A (See Note 6)	2.88	30	No
Benzo(b)fluoranthene	0.23	0.22	0.195	N/A (See Note 6)	2.63	300	No
Dibenzo(a,h)anthracene	0.23	0.22	0.195	N/A (See Note 6)	0.58	30	No
Indeno(1,2,3-cd)pyrene	0.23	0.22	0.195	N/A (See Note 6)	1.35	300	No
<b>Dioxins/Furans</b>							
Total TEQs (WHO TEFs)	0.00000052	0.00000087	0.00000056	6.10E-05	N/A (See Note 6)	N/A (See Note 6)	No
<b>Inorganics</b>							
Arsenic	2.2	1.8	1.1	N/A (See Note 6)	6.19	20	No
Lead	7.7	4.3	5	N/A (See Note 6)	227	300	No

See notes on page 4.

**TABLE E-13**  
**POST-REMEDIATION CONDITIONS - COMPARISON TO PROPOSED WAVE 2 SOIL STANDARDS**  
**PARCEL I9-4-201 -COMMERCIAL PORTION (0- TO 15-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA/  
GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

**Notes:**

1. The results presented for this sample location represent the average of the following samples (depth: date collected in parentheses): RAA12-O16 (0-1'; 12/2/02), RAA12-O16NE (0-1'; 7/9/03), RAA12-O16NW (0-1'; 7/9/03), and RAA12-O16S (0-1'; 7/9/03).
2. Total 2,3,7,8-TCDD toxicity equivalency quotients (TEQs) were calculated using World Health Organization (WHO) Toxicity Equivalency Factors (TEFs) for all PCDD/PCDF compounds. Where individual compounds were not detected, a value of one-half the analytical detection limit was used to calculate the TEQ concentrations.
3. With the exception of Total TEQs, constituents evaluated above have a maximum sample result that exceeds their respective EPA Region 9 Industrial PRGs or surrogate PRGs.
4. Non-detect sample results included as one-half the detection limit in the calculation of arithmetic average concentrations and presented in bold.
5. The Method 1 Wave 2 S-2 soil standards listed are those associated with GW-2 or GW-3 groundwater (whichever is more stringent), except for Dioxin/Furan Total TEQs. Total TEQs are compared to the EPA PRGs for such TEQs set out in Attachment F of the *Statement of Work for Removal Actions Outside the River* (SOW) or other TEQ comparison criteria utilized during previous evaluations.
6. Arithmetic average concentrations of all constituents, except Total TEQs, are compared to Method 1 Wave 2 Soil Standards. For TEQs, the maximum concentration is compared to the appropriate EPA PRG (or other comparison criterion).
7. Total TEQs concentrations in *italics* represent the maximum value for the sample location/depth increment in question.
8. -- = Constituent not subject to analysis.
9. Total TEQs (WHO TEFs) were evaluated for the 1- to 15-foot depth increment only.
10. Shaded numbers in bold and *italics* represent the placement of clean backfill material following the performance of the proposed remediation. The backfill constituent concentrations correspond to the average concentrations of such constituents as presented in the GE CD Backfill Data Set.

**TABLE E-14**  
**POST-REMEDIATION CONDITIONS - COMPARISON TO MCP WAVE 2 UPPER CONCENTRATION LIMITS (UCLs)**  
**PARCEL I9-4-201 - COMMERCIAL PORTION (0- TO 15-FOOT DEPTH INCREMENT)**

**ADDENDUM TO CONCEPTUAL RD/RA WORK PLAN FOR THE LYMAN STREET AREA**  
**GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS**  
**(Results in ppm, dry weight)**

Sample ID: Sample Depth(Feet): Date Collected:	Arithmetic Average Concentration (See Note 2)	MCP Wave 2 UCL for Soil	Average Exceeds Standard?
<b>Semivolatile Organics</b>			
Benzo(a)anthracene	3.07	3,000	No
Benzo(a)pyrene	2.88	300	No
Benzo(b)fluoranthene	2.63	3,000	No
Dibenzo(a,h)anthracene	0.58	300	No
Indeno(1,2,3-cd)pyrene	1.35	3,000	No
<b>Inorganics</b>			
Arsenic	6.19	200	No
Lead	227	3,000	No

**Notes:**

1. Constituents subject to evaluation have a maximum sample result that exceeds their respective screening PRGs.
2. Non-detect sample results included as 1/2 the detection limit in the calculation of arithmetic average concentrations.

## ***Appendix F***

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### **Risk Evaluation of Non-PCB Appendix IX+3 Constituents in Soils at Commercial Portion of Parcel I9-4-201**



**Risk Evaluation of Non-PCB Appendix IX+3 Constituents  
In Soils at Commercial Portion of Parcel I9-4-201**

**Appendix F**

To

Addendum to Conceptual RD/RA Work Plan  
for the Lyman Street Area

## APPENDIX F

### Risk Evaluation of Non-PCB Appendix IX+3 Constituents in Soils at Commercial Portion of Parcel I9-4-201

#### 1.0 Introduction

This Appendix presents a risk evaluation of certain non-PCB constituents detected in the soils of the commercial portion of Parcel I9-4-201, located at the Lyman Street Area within the GE-Pittsfield/Housatonic River Site. This area consists of the portion of that parcel other than the area designated as Sub-Area 201A, which has been evaluated in accordance with the standards applicable to residential properties.

As discussed in the text of the foregoing Conceptual Removal Design/Removal Action (RD/RA) Work Plan Addendum (Work Plan Addendum), the non-PCB constituents detected in the existing soils of the commercial portion of Parcel I9-4-201 were first evaluated in accordance with the multi-step process established for non-PCB Appendix IX+3 constituents in the *Statement of Work for Removal Actions Outside the River* (SOW) (BBL, 1999). These steps included screening by comparison of the maximum concentrations of the detected constituents to the EPA Region 9 Preliminary Remediation Goals (PRGs) for soil in industrial areas, as listed in Exhibit F-1 to Attachment F of the SOW (or, for some constituents, surrogate PRGs for similar compounds). Following the screening process, the average concentrations of the remaining constituents in each relevant depth increment were compared to the proposed Method 1 (Wave 2) soil standards issued by the Massachusetts Department of Environmental Protection (MDEP). Given certain exceedances of those standards, GE proposed soil remediation at this area, specifically to address an elevated concentration of lead in the top foot of soil at one location. The comparison to the Method 1 (Wave 2) soil standards was then repeated for this area in its post-remediation condition. Since there were still some exceedances of those standards, GE requested AMEC to conduct a risk evaluation of the non-PCB constituents under post-remediation conditions.

This Appendix describes and presents the results of that risk evaluation for the commercial portion of I9-4-201. In accordance with the SOW, this risk evaluation was based on: (a) the post-remediation arithmetic average concentrations of the non-PCB constituents that were retained after the initial screening (except for dioxins/furans, which were evaluated

separately, as described in the Work Plan Addendum); (b) the same exposure scenario, soil depth increments, and exposure assumptions used by EPA in developing the PCB Performance Standards for commercial areas (as described in EPA, 1999a); and (c) standard toxicity values published by EPA. As discussed below, estimated cancer risks and non-cancer hazards fall below the acceptable benchmarks prescribed in the SOW.

## **2.0 Constituents and Depth Increments Evaluated**

In accordance with the protocols set forth in the SOW, the risk evaluation presented herein has considered all chemicals of potential concern (COPCs) that were retained for evaluation after the initial screening described in the Work Plan Addendum, and has used the average concentrations of those constituents under post-remediation conditions. For each COPC, such average concentrations were calculated for the same depth increments evaluated by EPA (1999a) in developing the PCB Performance Standards. For the commercial portion of this parcel, these increments are the 0-1 foot and the 1-6 foot depth increments, although average concentrations have also been calculated for the 0-3 foot depth increment for this area, since it will be subject to a Conditional Solution. The COPCs evaluated and their average concentrations in each of those depth increments are shown in Table 1.

With the exception of lead, COPCs have been included in risk calculations to determine whether cancer risks and non-cancer hazards fall within acceptable limits. (In accordance with the SOW, PCBs and dioxins/furans have not been included in these evaluations.) Since EPA has not developed standard toxicity values for lead, that constituent has been evaluated through the application of EPA lead models and/or default lead values, as discussed below.

## **3.0 Risk Evaluation Assumptions and Procedures (for All COPCs Except Lead)**

In accordance with the SOW, the exposure scenarios that have been evaluated are the same exposure scenarios utilized by EPA (1999a) in supporting the PCB Performance Standards for commercial areas. These are the Commercial Groundskeeper scenario for surface soil (0-1 foot depth) and the Utility Worker scenario for subsurface soil (1-6 foot depth). In addition, since this commercial area will be subject to a Conditional Solution, the Commercial Groundskeeper scenario has also been applied to the 0-3 foot depth increment.

The Commercial Groundskeeper scenario assumes that an adult is exposed to constituents in surficial soils 84 days per year for a period of 25 years. With the exception of chemical-specific absorption criteria, all exposure assumptions used to evaluate this scenario were the same as those used by EPA (1999a). Exposure assumptions used in the evaluation of this scenario are provided in Table 2.

The Utility Worker scenario assumes that an adult is in contact with subsurface soils 5 days per year for 25 years. As with the Groundskeeper scenario, all exposure assumptions used in this scenario were the same as the assumptions used by EPA (1999a). These assumptions are presented in Table 2.

With respect to absorption factors, EPA's dermal guidance document (EPA, 2001a) specifies oral absorption factors less than 100 percent for certain of the constituents evaluated (e.g., 89 percent for the carcinogenic polycyclic aromatic hydrocarbons [PAHs]), and notes that where such factors are greater than 50 percent, the toxicity factors do not need to be modified to represent the absorbed dose. Nevertheless, for purposes of the evaluation of the commercial portion of Parcel I9-4-201, AMEC has conservatively assumed that the oral absorption of all chemicals evaluated is 100 percent. The dermal absorption factors used were taken from EPA's dermal guidance (EPA, 2001a) and are shown in Table 3.

The carcinogenic COPCs have been evaluated for potential carcinogenic risks, while the non-carcinogenic COPCs have been evaluated for potential non-cancer hazards. The toxicity values – i.e., Cancer Slope Factors (CSFs) and/or Reference Doses (RfDs) – used in the evaluations were those set forth on EPA's (2005) Integrated Risk Information System (IRIS), when available. For the carcinogenic PAHs, relative potency factors (RPFs) recommended by EPA (1993) have been used to adjust the CSF values for these PAHs based on their assumed potency relative to benzo(a)pyrene. The specific toxicity values used in these evaluations are included in Table 3.

Based on these input values, predicted cancer risks and non-cancer hazards have been calculated for the COPCs in the commercial portion of Parcel I9-4-201 using standard risk

assessment procedures. The results have been compared to the benchmarks set forth in the SOW (for constituents other than PCBs and dioxins/furans) of an Excess Lifetime Cancer Risk (ELCR) of  $1 \times 10^{-5}$  and a Hazard Index (HI) of 1.0 for non-cancer effects.

#### **4.0 Evaluation of Lead Exposures and Risks**

Lead has been retained as a COPC at Parcel I9-4-201. However, EPA has not developed toxicity criteria for lead (EPA, 2005). Consequently, it is not possible to evaluate potential hazards associated with lead exposure in the same way that other COPCs are evaluated. Instead, EPA has established a “safe” fetal blood lead level of 10 µg/dL and has developed models to evaluate both adult and childhood exposures to lead, considering fetal or childhood blood levels as the critical endpoint. For an adult who may be exposed to lead in a non-residential setting, EPA has developed the Adult Lead Methodology (ALM) (EPA, 1996, 1999b, 2001b). This methodology predicts the blood levels of lead that would likely occur in a pregnant woman and in her fetus after non-residential exposure to lead-contaminated soil and dust.

Using the ALM model, AMEC has previously back-calculated a soil lead concentration that could result in a 95<sup>th</sup> percentile fetal blood level of 10 µg/dL. That concentration is 2,008 ppm. This soil lead concentration and the underlying calculations have been previously presented to EPA in Conceptual RD/RA Work Plans for other Removal Action Areas (RAAs) at the GE-Pittsfield/Housatonic River Site (e.g., BBL, 2003, 2004), and this concentration has been approved by EPA for use as a Risk-Based Concentration (RBC) to evaluate lead exposures in commercial areas.

The soil lead RBC of 2,008 ppm based on the ALM model has been used to evaluate lead exposures at the commercial portion of Parcel I9-4-201 at the depth increments where lead is a COPC and the Commercial Groundskeeper scenario applies – i.e. the 0-1 foot and 0-3 foot depth increments. Where the average lead concentration at the relevant depth interval is below the applicable RBC, it is concluded that lead exposures will not result in adverse effects.

Because the ALM assumes that a steady-state blood lead concentration is reached, short-term or intermittent exposures (such as those assumed to be experienced by the Utility

Worker) are not well represented by the model (EPA, 2001b). Accordingly, for the Utility Worker scenario at this parcel, which is based on exposure only five days per year (see EPA, 1999a), the ALM has not been used. Instead, based on agreement between GE and EPA (see BBL, 2003, 2004), the lead concentration in the 1-6 foot depth interval where the Utility Worker scenario applies has been evaluated by comparing the average lead concentration for that depth interval to a default level equivalent to the Upper Concentration Limit (UCL) set forth in the Massachusetts Contingency Plan (MCP) for lead, which is 6,000 mg/kg.

## 5.0 Parcel-Specific Risk Evaluation

This portion of Parcel I9-4-201 is under commercial use. Since GE's proposed remediation will affect the top foot of soil, this parcel-specific risk evaluation was based on post-remediation conditions in the 0-1 and 0-3 foot depth increments and existing conditions in the 1-6 foot depth increment. The COPCs evaluated and their average concentrations are shown in Table 1. Spreadsheets showing pathway-specific and COPC-specific calculations are provided in Attachment A of this Appendix.

Based on application of the Commercial Groundskeeper scenario to the 0-1 and 0-3 foot depth increments and the Utility Worker scenario to the 1-6 foot depth increment, the calculated total cancer risks and non-cancer hazards for all COPCs evaluated at the commercial portion of Parcel I9-4-201 are as follows:

Scenario	ELCR	HI
Groundskeeper (0-1 foot)	7.2E-06	0.0042
Groundskeeper (0-3 foot)	6.0E-06	0.0048
Utility Worker (1-6 foot)	7.0E-07	0.0013

All these estimated risks and hazards are below the levels of concern specified in the SOW.

The average post-remediation lead concentrations in the 0-1 and 0-3 foot soil increments, 176 and 200 mg/kg, respectively, are well below the calculated RBC of 2,008 mg/kg for lead in soil in such depths at commercial properties. The average existing concentration in the 1-6 foot depth increment, 340 mg/kg, is far below the UCL of 6,000 mg/kg. Thus, post-remediation lead concentrations in the surface and subsurface soils of the commercial portion of this parcel are below the benchmark levels of concern.

## References

- BBL. 1999. *Statement of Work for Removal Actions Outside the River*. Appendix E to Consent Decree, Volume 1, *United States et al. v. General Electric Company* (D. Mass.). Blasland, Bouck & Lee, Inc., Syracuse, NY. October.
- BBL. 2003. *Conceptual Removal Design/Removal Action Work Plan Addendum for Newell Street Area I*. Prepared for General Electric Company by Blasland, Bouck & Lee, Inc., Syracuse, NY. April.
- BBL. 2004. *Conceptual Removal Design/Removal Action Work Plan for Lyman Street Area*. Prepared for General Electric Company by Blasland, Bouck & Lee, Inc., Syracuse, NY. March.
- EPA. 1993. *Provisional Guidance for Quantitative Risk Assessment of Polycyclic Aromatic Hydrocarbons*. U.S. EPA, Office of Research and Development. EPA/600/R-93/089.
- EPA. 1996. *Recommendations of the Technical Review Workgroup for Lead for an Interim Approach to Assessing Risks Associated with Adult Exposures to Lead in Soil*. U.S. Environmental Protection Agency, Technical Review Workgroup for Lead. December.
- EPA. 1999a. *Protectiveness of Cleanup Levels for Removal Actions Outside the River – Protection of Human Health*. Memorandum from Ann-Marie Burke, EPA Region 1 to Richard Cavagnero, EPA Region 1. U.S. Environmental Protection Agency, Region I. Attachment A to Appendix D to Consent Decree in *United States et al. v. General Electric Company* (D. Mass.). August 4.
- EPA. 1999b. *Use of the TRW Interim Adult Lead Methodology in Risk Assessment*. Memorandum from P. Van Leeuwen, Region 5 Superfund Program to M. Maddaloni, TRW Adult Lead Subgroup. April 7.
- EPA. 2001a. *Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part E Supplemental Guidance for Dermal Risk Assessment) Interim (Review Draft)*. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Washington. September.
- EPA. 2001b. *Review of Adult Lead Models - Evaluation of Models for Assessing Human Health Risks Associated with Lead Exposures at Non-Residential Areas of Superfund and Other Hazardous Waste Sites*. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response. EPA 9285.7-46. August.
- EPA. 2005. U.S. EPA Integrated Risk Information System (IRIS).  
<http://www.epa.gov/iriswebp/iris/index.html>

**Table 1. Area-Specific Arithmetic Mean Exposure Point Concentrations (mg/kg)**

Constituent	Commercial Portion of Parcel I9-4-201		
	0 to 1 ft.	0 to 3 ft.	1 to 6 ft.
Benzo(a)anthracene	6.60	5.31	1.30
Benzo(a)pyrene	5.67	4.58	1.36
Benzo(b)fluoranthene	5.72	4.53	1.03
Dibenzo(a,h)anthracene	1.00	0.84	0.33
Indeno(1,2,3-cd)pyrene	2.45	2.06	0.91
Arsenic	6.40	7.32	8.9
Lead	176	200	340

**Table 2. Summary of Exposure Parameters for the Groundskeeper and Utility Worker Scenarios**

Parameter	Values		Basis
	Groundskeeper	Utility Worker	
<b>Soil Ingestion Rate</b>	50 mg/day	137 mg/day	EPA, 1999a
<b>Fraction from the Site<sup>b</sup></b>	1.0	1.0	EPA, 1999a
<b>Dermal Adherence Factor</b>	0.1 mg/cm <sup>2</sup>	0.8 mg/cm <sup>2</sup>	EPA, 1999a
<b>Skin Surface Area Exposed</b>	3300 cm <sup>2</sup>	3300 cm <sup>2</sup>	
<b>Exposure Frequency</b>	84 days/year	5 days/year	EPA, 1999a
<b>Exposure Duration</b>	25 years	25 years	EPA, 1999a
<b>Body Weight</b>	70 kg	70 kg	EPA, 1999a
<b>Carcinogenic Averaging Time</b>	25,550 days	25,550 days	EPA, 1999a
<b>Non-Carcinogenic Averaging Time</b>	9125 days	9125 days	EPA, 1999a

**Table 3. Summary of Chemical-Specific Absorption Factors and Toxicity Values**

Constituent	Oral Absorption Factor <sup>1</sup>	Dermal Absorption Factor <sup>2</sup>	Cancer Slope Factor (mg/kg-day) <sup>-1</sup>	Reference Dose (mg/kg-day)
Benzo(a)anthracene	1	0.13	0.73 <sup>4</sup>	
Benzo(a)pyrene	1	0.13	7.3 <sup>3</sup>	
Benzo(b)fluoranthene	1	0.13	0.73 <sup>4</sup>	
Dibenz(a,h)anthracene	1	0.13	7.3 <sup>4</sup>	
Indeno(1,2,3-cd)pyrene	1	0.13	0.73 <sup>4</sup>	
Arsenic	1	0.03	1.5 <sup>4</sup>	0.0003 <sup>3</sup>
Lead <sup>5</sup>	NA	NA	NA	NA

Notes:

1. Conservative default
2. From EPA Dermal Guidance Document (EPA, 2001a)
3. From IRIS (EPA, 2005)
4. Derived through application of RPFs (EPA, 1993) to CSF for benzo(a)pyrene
5. Lead evaluated using EPA's Adult Lead Methodology (see text)

**Table 4. Summary of Risks and Hazards at the Commercial Portion of Parcel I9-4-201**

Exposure Pathway	Cancer Risk			Hazard Index		
	0- to 1-foot	0- to 3-foot	1- to 6-foot	0- to 1-foot	0- to 3-foot	1- to 6-foot
Soil Ingestion	4.1E-06	3.5E-06	2.7E-07	0.0035	0.0040	0.00080
Dermal Exposure	3.1E-06	2.6E-06	4.3E-07	0.00069	0.00079	0.00046
<b>Total</b>	<b>7.2E-06</b>	<b>6.0E-06</b>	<b>7.0E-07</b>	<b>0.0042</b>	<b>0.0048</b>	<b>0.0013</b>



## **Attachment A**

### **Risk Calculations for the Commercial Portion Of Parcel I9-4-201**

**Table A1a - Parcel I9-4-201 - Commercial Portion: Cancer and Non-Cancer Risks from Ingestion Exposure to 0- to 1-Foot Soil**

**Pathway: Incidental Soil Ingestion**

**Receptor: Groundskeeper**

**CARCINOGENIC**

CSF = CDI x CSF

CDI = Cs x IgR x OA x EF x ED x CF x 1/BW x 1/ATc

Chemical	Cs Soil Concentration (mg/kg)	IgR Ingestion Rate (mg/d)	OA Oral Absorption (unitless)	EF Exposure Frequency (d/yr)	ED Exposure Duration (yrs)	CF Conversion Factor (kg/mg)	BW Body Weight (kg)	ATc Averaging Time Carcinogenic (days)	CDI Chronic Daily Intake (mg/kg-d)	CSF Cancer Slope Factor (mg/kg-d) <sup>-1</sup>	Risk
Benzo(a)anthracene	6.60	50	1.0	84	25	1E-06	70	25550	3.9E-07	0.73	2.8E-07
Benzo(a)pyrene	5.67	50	1.0	84	25	1E-06	70	25550	3.3E-07	7.3	2.4E-06
Benzo(b)fluoranthene	5.72	50	1.0	84	25	1E-06	70	25550	3.4E-07	0.73	2.5E-07
Dibenzo(a,h)anthracene	1.00	50	1.0	84	25	1E-06	70	25550	5.9E-08	7.3	4.3E-07
Indeno(1,2,3-cd)pyrene	2.45	50	1.0	84	25	1E-06	70	25550	1.4E-07	0.73	1.1E-07
Arsenic	6.40	50	1.0	84	25	1E-06	70	25550	3.8E-07	1.5	5.6E-07
									<b>Total</b>	<b>4.1E-06</b>	

**NONCARCINOGENIC**

HQ = CDI/RfD

CDI = Cs x IgR x OA x EF x ED x CF x 1/BW x 1/ATnc

Chemical	Cs Soil Concentration (mg/kg)	IgR Ingestion Rate (mg/d)	OA Oral Absorption (unitless)	EF Exposure Frequency (d/yr)	ED Exposure Duration (yrs)	CF Conversion Factor (kg/mg)	BW Body Weight (kg)	ATnc Averaging Time Noncarcinogenic (days)	CDI Chronic Daily Intake (mg/kg-d)	RfD Reference Dose (mg/kg-d)	HQ Hazard Quotient
Arsenic	6.40	50	1.0	84	25	1E-06	70	9,125	1.1E-06	0.0003	3.5E-03
									<b>Total</b>	<b>3.5E-03</b>	

**Table A1b - Parcel I9-4-201 - Commercial Portion: Cancer and Non-Cancer Risks from Dermal Exposure to 0- to 1-Foot Soil**

**Pathway: Dermal Contact**

**Receptor: Groundskeeper**

**CARCINOGENIC**

Risk = CDI x CSF

CDI =Cs x DAF x SA x DA x EF x ED x CF x 1/BW x 1/Atc

Chemical	Cs Soil Concentration (mg/kg)	DAF Dermal Adherence Factor (mg/cm <sup>2</sup> )	SA Surface Area Exposed (cm <sup>2</sup> /day)	DA Dermal Absorption (unitless)	EF Exposure Frequency (d/yr)	ED Exposure Duration (yrs)	CF Conversion Factor (kg/mg)	BW Body Weight (kg)	ATc Averaging Time Carcinogenic (days)	CDI Chronic Daily Intake (mg/kg-d)	CSF Cancer Slope Factor <sup>a</sup> (mg/kg-d) <sup>-1</sup>	Risk
Benzo(a)anthracene	6.60	0.1	3,300	0.13	84	25	1E-06	70	25,550	3.3E-07	0.73	2.4E-07
Benzo(a)pyrene	5.67	0.1	3,300	0.13	84	25	1E-06	70	25,550	2.9E-07	7.3	2.1E-06
Benzo(b)fluoranthene	5.72	0.1	3,300	0.13	84	25	1E-06	70	25,550	2.9E-07	0.73	2.1E-07
Dibenzo(a,h)anthracene	1.00	0.1	3,300	0.13	84	25	1E-06	70	25,550	5.0E-08	7.3	3.7E-07
Indeno(1,2,3-cd)pyrene	2.45	0.1	3,300	0.13	84	25	1E-06	70	25,550	1.2E-07	0.73	9.0E-08
Arsenic	6.40	0.1	3,300	0.03	84	25	1E-06	70	25,550	7.4E-08	1.5	1.1E-07
										Total		3.1E-06

**NONCARCINOGENIC**

HQ = CDI/RfD

CDI =Cs x DAF x SA x DA x EF x ED x CF x 1/BW x 1/ATnc

Chemical	Cs Soil Concentration (mg/kg)	DAF Dermal Adherence Factor (mg/cm <sup>2</sup> )	SA Surface Area Exposed (cm <sup>2</sup> /day)	DA Dermal Absorption (unitless)	EF Exposure Frequency (d/yr)	ED Exposure Duration (yrs)	CF Conversion Factor (kg/mg)	BW Body Weight (kg)	ATnc Averaging Time Noncarcinogenic (days)	CDI Chronic Daily Intake (mg/kg-d)	RfD	HQ
Arsenic	6.40	0.1	3,300	0.03	84	25	1E-06	70	9,125	2.1E-07	0.0003	6.9E-04
										Total		6.9E-04

<b>Total Carcinogenic Risk</b>	Ingestion	Dermal	Total
Benzo(a)anthracene	2.8E-07	2.4E-07	5.3E-07
Benzo(a)pyrene	2.4E-06	2.1E-06	4.5E-06
Benzo(b)fluoranthene	2.5E-07	2.1E-07	4.6E-07
Dibenzo(a,h)anthracene	4.3E-07	3.7E-07	8.0E-07
Indeno(1,2,3-cd)pyrene	1.1E-07	9.0E-08	2.0E-07
Arsenic	5.6E-07	1.1E-07	6.8E-07
<b>Total</b>	<b>4.1E-06</b>	<b>3.1E-06</b>	<b>7.2E-06</b>
<b>Total Noncarcinogenic Hazard</b>	Ingestion	Dermal	Total
Arsenic	3.5E-03	6.9E-04	4.2E-03
<b>Total</b>	<b>0.0035</b>	<b>0.00069</b>	<b>0.0042</b>

**Table A2a - Parcel I9-4-201 - Commercial Portion: Cancer and Non-Cancer Risks from Ingestion Exposure to 0- to 3-Foot Soil**

**Pathway: Incidental Soil Ingestion**

**Receptor: Groundskeeper**

**CARCINOGENIC**

CSF = CDI x CSF

CDI = Cs x IgR x OA x EF x ED x CF x 1/BW x 1/ATc

Chemical	Cs Soil Concentration (mg/kg)	IgR Ingestion Rate (mg/d)	OA Oral Absorption (unitless)	EF Exposure Frequency (d/yr)	ED Exposure Duration (yrs)	CF Conversion Factor (kg/mg)	BW Body Weight (kg)	ATc Averaging Time Carcinogenic (days)	CDI Chronic Daily Intake (mg/kg-d)	CSF Cancer Slope Factor (mg/kg-d) <sup>-1</sup>	Risk
Benzo(a)anthracene	5.31	50	1.0	84	25	1E-06	70	25550	3.1E-07	0.73	2.3E-07
Benzo(a)pyrene	4.58	50	1.0	84	25	1E-06	70	25550	2.7E-07	7.3	2.0E-06
Benzo(b)fluoranthene	4.53	50	1.0	84	25	1E-06	70	25550	2.7E-07	0.73	1.9E-07
Dibenzo(a,h)anthracene	0.84	50	1.0	84	25	1E-06	70	25550	4.9E-08	7.3	3.6E-07
Indeno(1,2,3-cd)pyrene	2.06	50	1.0	84	25	1E-06	70	25550	1.2E-07	0.73	8.8E-08
Arsenic	7.32	50	1.0	84	25	1E-06	70	25550	4.3E-07	1.5	6.4E-07
									<b>Total</b>	<b>3.5E-06</b>	

**NONCARCINOGENIC**

HQ = CDI/RfD

CDI = Cs x IgR x OA x EF x ED x CF x 1/BW x 1/ATnc

Chemical	Cs Soil Concentration (mg/kg)	IgR Ingestion Rate (mg/d)	OA Oral Absorption (unitless)	EF Exposure Frequency (d/yr)	ED Exposure Duration (yrs)	CF Conversion Factor (kg/mg)	BW Body Weight (kg)	ATnc Averaging Time Noncarcinogenic (days)	CDI Chronic Daily Intake (mg/kg-d)	RfD Reference Dose (mg/kg-d)	HQ Hazard Quotient
Arsenic	7.32	50	1.0	84	25	1E-06	70	9,125	1.2E-06	0.0003	4.0E-03
									<b>Total</b>	<b>4.0E-03</b>	

**Table A2b - Parcel I9-4-201 - Commercial Portion: Cancer and Non-Cancer Risks from Dermal Exposure to 0- to 3-Foot Soil**

**Pathway: Dermal Contact**

**Receptor: Groundskeeper**

**CARCINOGENIC**

Risk = CDI x CSF

CDI =Cs x DAF x SA x DA x EF x ED x CF x 1/BW x 1/Atc

Chemical	Cs Soil Concentration (mg/kg)	DAF Dermal Adherence Factor (mg/cm <sup>2</sup> )	SA Surface Area Exposed (cm <sup>2</sup> /day)	DA Dermal Absorption (unitless)	EF Exposure Frequency (d/yr)	ED Exposure Duration (yrs)	CF Conversion Factor (kg/mg)	BW Body Weight (kg)	ATc Averaging Time Carcinogenic (days)	CDI Chronic Daily Intake (mg/kg-d)	CSF Cancer Slope Factor <sup>a</sup> (mg/kg-d) <sup>-1</sup>	Risk
Benzo(a)anthracene	5.31	0.1	3,300	0.13	84	25	1E-06	70	25,550	2.7E-07	0.73	2.0E-07
Benzo(a)pyrene	4.58	0.1	3,300	0.13	84	25	1E-06	70	25,550	2.3E-07	7.3	1.7E-06
Benzo(b)fluoranthene	4.53	0.1	3,300	0.13	84	25	1E-06	70	25,550	2.3E-07	0.73	1.7E-07
Dibenzo(a,h)anthracene	0.84	0.1	3,300	0.13	84	25	1E-06	70	25,550	4.2E-08	7.3	3.1E-07
Indeno(1,2,3-cd)pyrene	2.06	0.1	3,300	0.13	84	25	1E-06	70	25,550	1.0E-07	0.73	7.6E-08
Arsenic	7.32	0.1	3,300	0.03	84	25	1E-06	70	25,550	8.5E-08	1.5	1.3E-07
										Total		2.6E-06

**NONCARCINOGENIC**

HQ = CDI/RfD

CDI =Cs x DAF x SA x DA x EF x ED x CF x 1/BW x 1/ATnc

Chemical	Cs Soil Concentration (mg/kg)	DAF Dermal Adherence Factor (mg/cm <sup>2</sup> )	SA Surface Area Exposed (cm <sup>2</sup> /day)	DA Dermal Absorption (unitless)	EF Exposure Frequency (d/yr)	ED Exposure Duration (yrs)	CF Conversion Factor (kg/mg)	BW Body Weight (kg)	ATnc Averaging Time Noncarcinogenic (days)	CDI Chronic Daily Intake (mg/kg-d)	RfD Reference Dose <sup>b</sup> (mg/kg-d)	HQ Hazard Quotient
Arsenic	7.32	0.1	3,300	0.03	84	25	1E-06	70	9,125	2.4E-07	0.0003	7.9E-04
										Total		7.9E-04

Total Carcinogenic Risk	Ingestion	Dermal	Total
Benzo(a)anthracene	2.3E-07	2.0E-07	4.2E-07
Benzo(a)pyrene	2.0E-06	1.7E-06	3.6E-06
Benzo(b)fluoranthene	1.9E-07	1.7E-07	3.6E-07
Dibenzo(a,h)anthracene	3.6E-07	3.1E-07	6.7E-07
Indeno(1,2,3-cd)pyrene	8.8E-08	7.6E-08	1.6E-07
Arsenic	6.4E-07	1.3E-07	7.7E-07
<b>Total</b>	<b>3.5E-06</b>	<b>2.6E-06</b>	<b>6.0E-06</b>
Total Noncarcinogenic Hazard	Ingestion	Dermal	Total
Arsenic	4.0E-03	7.9E-04	4.8E-03
<b>Total</b>	<b>0.0040</b>	<b>0.00079</b>	<b>0.0048</b>

**Table A3a - Parcel I9-4-201 - Commercial Portion: Cancer and Non-Cancer Risks from Ingestion Exposure to 1- to 6-Foot Soil**

**Pathway: Incidental Soil Ingestion**

**Receptor: Utility Worker**

**CARCINOGENIC**

CSF = CDI x CSF

CDI = Cs x IgR x OA x EF x ED x CF x 1/BW x 1/ATc

Chemical	Cs Soil Concentration (mg/kg)	IgR Ingestion Rate (mg/d)	OA Oral Absorption (unitless)	EF Exposure Frequency (d/yr)	ED Exposure Duration (yrs)	CF Conversion Factor (kg/mg)	BW Body Weight (kg)	ATc Averaging Time Carcinogenic (days)	CDI Chronic Daily Intake (mg/kg-d)	CSF Cancer Slope Factor (mg/kg-d) <sup>-1</sup>	Risk
Benzo(a)anthracene	1.30	137	1.0	5	25	1E-06	70	25550	1.2E-08	0.73	9.1E-09
Benzo(a)pyrene	1.36	137	1.0	5	25	1E-06	70	25550	1.3E-08	7.3	9.5E-08
Benzo(b)fluoranthene	1.03	137	1.0	5	25	1E-06	70	25550	9.9E-09	0.73	7.2E-09
Dibenzo(a,h)anthracene	0.33	137	1.0	5	25	1E-06	70	25550	3.2E-09	7.3	2.3E-08
Indeno(1,2,3-cd)pyrene	0.91	137	1.0	5	25	1E-06	70	25550	8.7E-09	0.73	6.4E-09
Arsenic	8.9	137	1.0	5	25	1E-06	70	25550	8.5E-08	1.5	1.3E-07
									<b>Total</b>	<b>2.7E-07</b>	

**NONCARCINOGENIC**

HQ = CDI/RfD

CDI = Cs x IgR x OA x EF x ED x CF x 1/BW x 1/ATnc

Chemical	Cs Soil Concentration (mg/kg)	IgR Ingestion Rate (mg/d)	OA Oral Absorption (unitless)	EF Exposure Frequency (d/yr)	ED Exposure Duration (yrs)	CF Conversion Factor (kg/mg)	BW Body Weight (kg)	ATnc Averaging Time Noncarcinogenic (days)	CDI Chronic Daily Intake (mg/kg-d)	RfD Reference Dose (mg/kg-d)	HQ Hazard Quotient
Arsenic	8.9	137	1.0	5	25	1E-06	70	9,125	2.4E-07	0.0003	8.0E-04
									<b>Total</b>	<b>8.0E-04</b>	

**Table A3b - Parcel I9-4-201 - Commercial Portion: Cancer and Non-Cancer Risks from Dermal Exposure to 1- to 6-Foot Soil**

**Pathway: Dermal Contact**

**Receptor: Utility Worker**

**CARCINOGENIC**

Risk = CDI x CSF

CDI =Cs x DAF x SA x DA x EF x ED x CF x 1/BW x 1/Atc

Chemical	Cs Soil Concentration (mg/kg)	DAF Dermal Adherence Factor (mg/cm <sup>2</sup> )	SA Surface Area Exposed (cm <sup>2</sup> /day)	DA Dermal Absorption (unitless)	EF Exposure Frequency (d/yr)	ED Exposure Duration (yrs)	CF Conversion Factor (kg/mg)	BW Body Weight (kg)	ATc Averaging Time Carcinogenic (days)	CDI Chronic Daily Intake (mg/kg-d)	CSF Cancer Slope Factor <sup>a</sup> (mg/kg-d) <sup>-1</sup>	Risk
Benzo(a)anthracene	1.30	0.8	3,300	0.13	5	25	1E-06	70	25,550	3.1E-08	0.73	2.3E-08
Benzo(a)pyrene	1.36	0.8	3,300	0.13	5	25	1E-06	70	25,550	3.3E-08	7.3	2.4E-07
Benzo(b)fluoranthene	1.03	0.8	3,300	0.13	5	25	1E-06	70	25,550	2.5E-08	0.73	1.8E-08
Dibenzo(a,h)anthracene	0.33	0.8	3,300	0.13	5	25	1E-06	70	25,550	7.9E-09	7.3	5.8E-08
Indeno(1,2,3-cd)pyrene	0.91	0.8	3,300	0.13	5	25	1E-06	70	25,550	2.2E-08	0.73	1.6E-08
Arsenic	8.9	0.8	3,300	0.03	5	25	1E-06	70	25,550	4.9E-08	1.5	7.4E-08
										Total		4.3E-07

**NONCARCINOGENIC**

HQ = CDI/RfD

CDI =Cs x DAF x SA x DA x EF x ED x CF x 1/BW x 1/ATnc

Chemical	Cs Soil Concentration (mg/kg)	DAF Dermal Adherence Factor (mg/cm <sup>2</sup> )	SA Surface Area Exposed (cm <sup>2</sup> /day)	DA Dermal Absorption (unitless)	EF Exposure Frequency (d/yr)	ED Exposure Duration (yrs)	CF Conversion Factor (kg/mg)	BW Body Weight (kg)	ATnc Averaging Time Noncarcinogenic (days)	CDI Chronic Daily Intake (mg/kg-d)	RfD	HQ
Arsenic	8.9	0.8	3,300	0.03	5	25	1E-06	70	9,125	1.4E-07	0.0003	4.6E-04
										Total		4.6E-04

<b>Total Carcinogenic Risk</b>	Ingestion	Dermal	Total
Benzo(a)anthracene	9.1E-09	2.3E-08	3.2E-08
Benzo(a)pyrene	9.5E-08	2.4E-07	3.3E-07
Benzo(b)fluoranthene	7.2E-09	1.8E-08	2.5E-08
Dibenzo(a,h)anthracene	2.3E-08	5.8E-08	8.1E-08
Indeno(1,2,3-cd)pyrene	6.4E-09	1.6E-08	2.2E-08
Arsenic	1.3E-07	7.4E-08	2.0E-07
<b>Total</b>	<b>2.7E-07</b>	<b>4.3E-07</b>	<b>7.0E-07</b>
<b>Total Noncarcinogenic Hazard</b>	Ingestion	Dermal	Total
Arsenic	8.0E-04	4.6E-04	1.3E-03
<b>Total</b>	<b>0.00080</b>	<b>0.00046</b>	<b>0.0013</b>