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VIA OVERNIGHT EXPRESS

April 2, 2009

Cheryl Sprague, Remedial Project Manager
New Hampshire/Rhode Island Superfund Section
Office of Site Remediation and Restoration
United States Environmental Protection Agency
One Congress Street, Suite 1100 (HBO)
Boston, Massachusetts 02114-2023

Subject: **Pre-Design Report**
Operable Unit 1
Fletcher's Paint Works and Storage Facility Superfund Site
CERCLA Docket No. 01-2001-0063
Milford, New Hampshire

Dear Ms. Sprague:

The General Electric Company (GE) has received and reviewed your March 11, 2009 letter regarding the Pre-Design Report for the above-referenced site. That report was submitted to the United States Environmental Protection Agency (USEPA) in January 2005, and was approved with modifications by the USEPA in your March 31, 2005 letter.[1] In the same letter, USEPA requested that GE provide a redline of the text of the Pre-Design Report addressing USEPA's modifications. GE submitted that redline to USEPA on May 23, 2005.[2] Your March 11, 2009 letter provides three comments on the redline of the Pre-Design Report, and requests that GE address those comments in a revised Pre-Design Report within 13 days.[3] Three copies of the revised Pre-Design Report are enclosed for use by USEPA, and an electronic version of the entire Pre-Design Report is provided on the enclosed compact disk (CD). The remainder of this letter discusses how USEPA's three comments are addressed in this re-submittal, and also describes several corrections that have been made to the Pre-Design Report.[4]

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[1] Your March 31, 2005 letter explicitly excluded from USEPA's approval with modifications the soil column study. The soil column study proposed in Attachment A of the Pre-Design Work Plan submitted in December 2001, and Attachment B of the Pre-Design Work Plans submitted in June and November 2003, was never performed.

[2] This submittal was done via an email from Corey Averill of Blasland, Bouck & Lee, Inc. (BBL) to Cheryl Sprague of USEPA.

[3] Re-submittal of the Pre-Design Report within that time frame was not possible. However, GE agreed to re-submit the revised report by April 2, 2009, assuming timely clarification and resolution of USEPA's comments.

[4] One change involves incorporating two additional rounds of water-level measurements to Table 5. Those measurements were performed on December 13, 2004 and January 11, 2005, and are included in the revised table for completeness.

SDMS DocID 449009

USEPA Comment #1

USEPA's first comment regarded the final two sentences on page 3-5 of the redline that was submitted on May 23, 2005. Those two sentences were modified to:

> "It is anticipated that other risk management decisions might be applicable for other areas of the Site, such as in the vicinity of the railroad tracks north of Mill Street, where low-level, sporadic concentrations of PCBs were observed. This discussion will be presented in subsequent design documents."

In making this change, reference to the "Preliminary (30%) Design" was changed to "subsequent design documents". For consistency, this same modification was also made in four other places in the redline, namely, at the top of page 3, the bottom of page 4-4, the bottom of page 4-57 and the middle of page 6-6. All of this was discussed with USEPA prior to making this re-submittal of the Pre-Design Report.

USEPA Comment #2

In its second comment, USEPA requested that the phrase "at this time" be eliminated from a sentence on page 4-6 of the redline. As you know from our recent conversations, GE believes that this sentence of the redline accurately reflects the understanding of the parties at the time of the March 31, 2005 meeting that is explicitly referenced in that sentence. Nevertheless, as requested by USEPA in your March 11, 2009 letter, and also in your subsequent March 30, 2009 letter, the proposed revision has been made. Although not noted by USEPA, the phrase "at this time" also occurs on pages 4-57 and 6-6 of the redline that was submitted on May 23, 2005. For consistency, we have also deleted the subject phrase in these two locations.

USEPA Comment #3

USEPA's final comment related to an incomplete sentence on page 4-22 of the redline about the background level of arsenic in New Hampshire. This sentence was completed as follows:

> "NHDHHS provided a letter confirming such a modification on July 22, 2002 (copy provided in Attachment A)."

In addition, as noted in the revised sentence, a copy of the referenced letter has been included in the Pre-Design Report.

Changes to Certain Tables and Figures

Although not requested by USEPA, we have also made corrections to several tables and figures in the Pre-Design Report that was submitted in January 2005. Specifically, changes were made to Tables 1, 2, 3, 5, 6, 8, 9, 11, 13, 15, 16, 17 and J-3, and Figures 2, 3, 7A, 7B, 12A and 12B. The changes that were made to these tables and figures are summarized on the attached table.

Because changes were made, both at the request of USEPA and also to correct certain tables and figures, the enclosed Pre-Design Report is dated today. However, much has changed since the report was originally submitted in January 2005. As just one simple example, BBL became Arcadis of New York, Inc., and then simply Arcadis U.S., Inc. (Arcadis). Work has also progressed through

additional phases. We have made no attempt to make any revisions other than those discussed above and in the attached table.

As always, please call me if you have any questions.

Sincerely,

Paul Wm. Hare
Manager, Northeast/Midwest Regions

attachment
enclosure (three copies)
enclosure (CD)

cc: Michael Jasinski, USEPA (w/ attachment and CD only)
Ruthann Sherman, Esq., USEPA (w/ attachment and CD only)
Scott Acone, USACOE (w/ attachment and CD only)
Thomas Andrews, NHDES (w/ attachment and CD only)
Guy Scaife, Administrator, Town of Milford (w/ attachment and CD only)
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PH/ph
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TABLE 1
JANUARY 2005 PRE-DESIGN REPORT MODIFICATIONS

FLETCHER'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
MILFORD, NEW HAMPSHIRE

Table/Figure Reference	Modification to January 2005 Draft Pre-Design Report
Table 1	• Added an "off-site" section for samples collected from areas outside of Elm and Mill Street. Deleted duplicate entry for EB-11A.
	• Three samples from location EB-21C had the same sample ID, date, and depth. The sample IDs were changed to EB-21C-1, EB-21C-2, and EB-21C-3. Also, fixed presentation of duplicate sample results for other samples.
	• Rows were rearranged into alpha-numeric order.
Table 2	• Added an "off-site" section for samples collected from areas outside of Elm and Mill Street. Deleted duplicate entry for EB-11A.
	• One of the 0-4' samples from location EB-20A was deleted from the table because the sample was not analyzed for any of the constituents presented.
	• Two entries for location EB-21C were deleted from the table because the samples were not analyzed for any of the constituents presented. The remaining sample ID from location EB-21C was changed to EB-21C-1 for reasons described above. Also, fixed presentation of duplicate sample results for other samples.
	• Added the depth for samples SS-13 and SS-14 (i.e., 0-1').
Table 3	• The chromium result for sample M14N (sludge) was incorrectly presented as 245 ppm. The table was revised to show chromium for this sample as 0.245 ppm.
Table 5	• Updated to include last two PDI water-level monitoring events (i.e., December 13, 2004 and January 11, 2005).
	• Updated to include the year in which the sampling event occurred (i.e., row 1 of Table 5).
Table 6	• The duplicate total PCB result for ESSB-I06 (0-1') was changed from 0.17 J parts per million (ppm) to 170 J ppm.
	• Laboratory was contacted to verify if certain sample results equal to SCL were greater or less than that value (i.e., determine rounding). The following PCB results were revised: ESSS-J19 [duplicate result] = 1.1 ppm and ESSB-R18 = 1.1 ppm.
	• Revised repeating rows header so ESSB-A02 (0-1') does not appear on the top of each page.
	• Samples were collected from ESSS-S14SS (0-1') and held for potential future analysis. The laboratory inadvertently analyzed the duplicate sample for this location (0.17 ppm), so it was added to the table.
Table 8	• Laboratory was contacted to verify if certain sample results equal to SCL were greater or less than that value (i.e., determine rounding). The following PCB results were revised: EB-20A (7-9') = 103 EB ppm and SB-20S (4-5') = 101 ppm.
	• The total PCB result for ESSB-G04 (1-3') was changed from ND(0.034) to 0.22.
	• The total PCB result for ESSB-O14W (7-9') was changed from 0.032 J to 0.024 J.
	• The total PCB result for ESSB-O14W (21-23') was changed from 0.020 J to 0.017 J.
	• The total PCB result for ESSB-O18 (12-14') was changed from 0.048 J to 0.018 J.
Table 9	• Added J qualifiers to several total PCB results.

TABLE 1
JANUARY 2005 PRE-DESIGN REPORT MODIFICATIONS

FLETCHER'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
MILFORD, NEW HAMPSHIRE

Table/Figure Reference	Modification to January 2005 Draft Pre-Design Report
Table 11	• Laboratory was contacted to verify if certain sample results equal to SCL were greater or less than that value (i.e., determine rounding). The following PCB result was confirmed: EB-21C (14-16') = 1.0 ppm. The following PCB result was revised: MSSB-E09N (3-5') = 1.1 ppm.
	• The Aroclor 1254 duplicate result for MSSB-C17S (1-3') was revised to ND(0.034). Previously this duplicate sample result showed a detect for Aroclor 1254 (0.022 J) ppm. The total PCB result for the parent sample was revised to 0.046 J. Previously the sample showed a total PCB result of 0.047 ppm.
	• The total PCB result for MSSB-D13 (15-17') was revised to 12 ppm. Previously this sample result showed a detect for Aroclor 1254 (12 ppm) and a total PCB result of ND(34) ppm.
	• The Aroclor 1248 result for MSSB-G03 (25-26') was revised to ND(0.075) ppm. Previously this result sample showed a detect for Aroclor 1248 (0.075 ppm).
Table 13	• Note 10 was added regarding depth intervals within areas where temporary cover materials have been placed.
	• Rows were rearranged into alpha-numeric order.
	• Total PCB results for certain EPA samples were rounded to 2 significant figures to be consistent with GE data.
Table 15	• The title was revised to state that the results are in parts per billion (ppb).
Table 16	• Certain results for MW-03B and MW-04B were inadvertently shown as two separate samples. The results have been incorporated into one column and as one sample.
	• Columns were rearranged in alpha-numeric order.
Table 17	• The total PCB result for EPA sample MW-03A was incorrectly presented as 64 ppb. The table was revised to show total PCBs for this sample as 1.4 ppb.
	• Minor revisions to certain sample data (e.g., significant figures, data qualifiers) to be consistent with data presented in Tables 15 and 16.
Table J-3	• The top of screen elevation and base of screen elevation for MW-21C were changed from N/A to 234.8 and 229.8, respectively.

TABLE 1
JANUARY 2005 PRE-DESIGN REPORT MODIFICATIONS

FLETCHER'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
MILFORD, NEW HAMPSHIRE

Table/Figure Reference	Modification to January 2005 Draft Pre-Design Report
Figure 2	• The following locations were removed, as they are not historic samples: ESSB-K07, ESSS-N06, and ESSS-R10. A duplicate ID for 1-CG-S07A was also removed. Removed non-EPA installed wells. Added locations for EB-05A and SS-40.
Figure 3	• Added locations for EB-08A, EB-10A, EB-11A, SS-46, and SS-47; revised location for EB-09A.
Figure 7A	• Revised to be consistent with the revised Elm Street tables: - The PCB result for surface sample ESSS-R19 was changed from 0.032 BJ ppm to ND(0.033) ppm. - The PCB result for surface sample ESSS-R20 was changed from 0.015 BJ ppm to ND(0.035) ppm. - The PCB result for surface sample ESSS-R21 was changed from 0.035 B ppm to ND(0.035) ppm.
	• As described above the duplicate sample for ESSS-S14SS was inadvertently analyzed by the laboratory. A note and sample location were added to Figure 7A (total PCBs for the 0-1' depth interval = 0.17 ppm).
	• The duplicate PCB result for the surface sample EB-20A was added (0.130 ppm).
	• Added locations for EB-05A and SS-40.
	• Added summary table for EPA split sample data.
	• Minor revisions to certain sample data (e.g., significant figures, data qualifiers) to be consistent with data tables.
Figure 7B	• Minor revisions to certain sample data (e.g., significant figures, data qualifiers, notes) to be consistent with data tables.
	• Added summary table for EPA split-sample data.
Figure 12A	• Revised to be consistent with the revised Mill Street tables: - The PCB result for surface sample SS-06 was changed from 0.22 ppm to 0.32 J ppm. - The PCB result for surface sample MSSB-B18 was changed from 0.050 B ppm to ND(0.050) ppm. - The PCB result for surface sample MSSB-B19 was changed from 0.046 ppm to ND(0.046) ppm. - The PCB result for surface sample MSSB-B20 was changed from 0.051 B ppm to ND(0.051) ppm - The PCB result for surface sample MSSB-B21 was changed from 0.032 BJ ppm to ND(0.033) ppm. - The PCB result for surface sample MSSS-D03 was changed from 0.027 BJ ppm to ND(0.045) ppm. - The duplicate PCB result for surface sample MSSB-G03 was added (ND(0.034) ppm). - The PCB result for surface sample MSSB-G05 was changed from ND(0.71) ppm to 2.7 ppm.
	• The PCB results for surface samples at EB-21C were added. Previously only one result was shown on Figure 12A (9,400 J ppm). The following results were added: 100 ppm, 89 ppm, and a duplicate result of 9,600 J ppm.
	• Added locations for EB-10A, EB-11A, SS-46, and SS-47; revised location for EB-09A.
	• Added summary table for EPA split sample data.
	• Minor revisions to certain sample data (e.g., significant figures, data qualifiers) to be consistent with data tables.
Figure 12B	• The PCB result for subsurface sample MSSB-D13 (15-17') was changed from 34 B ppm to 12 ppm.
	• Minor revisions to certain sample data (e.g., significant figures, data qualifiers, notes) to be consistent with data tables.
	• Added summary table for EPA split-sample data.

REPORT

Draft for EPA Review

Pre-Design Report
Volume I of III

General Electric Company

Fletcher's Paint Works and Storage
Facility Superfund Site Operable Unit 1
Milford, New Hampshire

January 2005
Revised April 2009

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

Disclaimer:

This document is a REVISED DRAFT document prepared by the Respondent under a Unilateral Administrative Order issued by the United States Environmental Protection Agency (EPA). EPA and the New Hampshire Department of Environmental Services (together, "the Agencies") reviewed the first draft of this document and required Respondent to submit this REVISED DRAFT. The opinions, findings, and conclusions expressed are those of the author, as revised based on the comments and directions of the Agencies.

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Executive Summary

This Pre-Design Report (PD Report) summarizes the pre-design investigation activities performed between May 16, 2003 and August 26, 2004 at the Fletcher's Paint Works and Storage Facility Superfund Site - Operable Unit 1 (OU-1) located in Milford, New Hampshire (the Site). This PD Report has been prepared by Blasland, Bouck & Lee, Inc. (BBL) on behalf of the General Electric Company (GE), pursuant to a Unilateral Administrative Order (UAO) issued by the United States Environmental Protection Agency (EPA) to GE on July 16, 2001, effective August 15, 2001 (as modified by EPA on August 15, 2001). The objectives of this PD Report are to:

- Summarize relevant background and historic investigation information;
- Provide detailed descriptions of the pre-design investigation activities, including:
  - A summary of the data need(s) associated with each proposed investigation activity.
  - A description of the investigation activities performed to address the data need(s).
  - An evaluation of the effectiveness of the pre-design investigations to satisfy the data need(s).
- Provide a summary of activities performed following the completion of the pre-design investigations;
- Provide a summary of outstanding data needs; and
- Provide a description of proposed future activities and a proposed schedule for completion of those activities.

As indicated in EPA's 1998 Record of Decision for Operable Unit 1 (ROD), the primary soil-related constituents of concern (COCs) at the Site consist of polychlorinated biphenyls (PCBs), select polycyclic aromatic hydrocarbons, and arsenic. To design the soil-related response action specified in the ROD, GE proposed, and EPA approved, an extensive pre-design investigation program intended to provide sufficient data to allow GE to proceed with the design of the ROD remedy and a potential off-site disposal remedy on a dual-track basis in accordance with a letter from Patricia L. Meaney, EPA to Stephen Ramsey, GE dated July 16, 2001. Specifically, GE's December 2001 draft Pre-Design Work Plan (PD Work Plan) proposed the performance of Phase 1 investigation activities designed to provide baseline site and environmental data, followed by performance of Phase 2 investigation activities designed to provide extensive data regarding the presence and extent of the above-listed COCs as well as supplemental data necessary for the design of both remedies. EPA provided comments on those proposed investigation activities on May 1, 2003 and provided a phased approval of the pre-design investigation activities proposed therein. The proposed Phase 1 investigations were approved on May 15, 2003, implemented between May 16 and August 15, 2003, and summarized in the November 2003 PD Work Plan. That plan also incorporated EPA's final comments on the Phase 2 pre-design investigation activities (provided on November 5, 2003). The Phase 2

pre-design investigations were implemented between November 7, 2003 and August 26, 2004. With few exceptions (summarized below and discussed in detail within this PD Report), those investigations have been completed.

EPA's UAO specified certain soil cleanup levels (SCLs) for the aforementioned COCs. During the performance of the pre-design investigations documented herein, EPA provided two clarifications to the SCLs. As summarized in Section 3.3.1, soils west of Keyes Drive are not considered part of the Elm Street Area (primarily because that part of the Elm Street Area would not be below an asphalt cap) and therefore an SCL of 1 part per million (ppm) is applicable. The second clarification concerns the Mill Street Area. EPA indicated that the delineation soil borings associated with soil boring C01, located between the railroad tracks and the adjacent Draper property (which is a commercially-zoned property located west of the Mill Street Area) were unnecessary since the observed PCB concentrations were consistent with EPA's PCB Spill Policy (40 CFR 761.125) for commercial areas and would be not be subject to the 1 ppm SCL specified for the Mill Street Area.

The Phase 1 pre-design investigations performed at the Site involved the performance of miscellaneous activities (i.e., site survey, geophysical survey, traffic and road survey, UST characterization, monitoring well survey, and groundwater elevation monitoring) to establish baseline conditions at the Site and assist with the design and implementation of certain Phase 2 pre-design investigation activities. A preliminary traffic survey was completed; however, a more detailed traffic and road survey will be completed during the Remedial Design phase of the project to ensure that the data from such a survey is current and reflective of the conditions in and around the Site at the time of the Remedial Action. The background surface soil sampling proposed in the PD Work Plan was unnecessary based on EPA's March 14, 2001 Explanation of Significant Differences (ESD).

The Phase 2 pre-design investigations performed at the Site involved the performance of miscellaneous activities (i.e., soil sampling, test pit excavation, monitoring well installation, soil column study, thermal desorption treatability testing, and groundwater treatability testing) to assist with the design of the ROD-specified and potential off-site disposal remedies. The extensive soil sampling activities performed during the Phase 2 pre-design investigations have provided information, which, when incorporated into a revised conceptual site model, will likely result in revised soil removal volumes when compared to the volumes presented in the ROD. Specifically, while the surface soil data at both the Elm Street and Mill Street Areas are generally consistent with the assumptions provided in the ROD requiring excavation of the top foot of soil across the majority of both areas, the extensive subsurface soil investigations performed at the Site have provided extensive data that will assist with the development of limits of subsurface soil removal during the Remedial Design phase of the project, as further discussed below.

A general overview of the potential Remedial Action excavations at the Site is summarized below and in Section 4.2. It should be noted that the following overview does not take into account variations in excavation depths that may be appropriate based on existing soil sample data or the results of confirmatory soil sampling activities performed during the performance of the Remedial Action. Further, this general overview does not fully incorporate certain risk management decisions that will likely be employed at certain portions of the Mill Street Area due to sporadic, low level exceedances of the subsurface SCL of 1 ppm and constructability concerns regarding excavations to depth in the vicinity of the railroad tracks and Mill Street. Finally, it should be noted that specific details regarding the limits and volume of soil removal at the Elm and Mill Street Areas will be provided in subsequent design documents.

Regarding subsurface soils at the Elm Street Area, there appear to be two areas in the central and northeast portions of the property (i.e., O14/MW-29B and K16/L16) where subsurface soils contain PCBs in excess of the SCL (100 ppm) at depths up to 20 feet below grade. The excavations in the vicinity of these locations will likely extend down to the vicinity of the seasonal low groundwater table. As the excavations extend outward from soil borings K16/L16, they decrease in depth, (approximately 13 feet below grade) in the vicinity of K18W/L17, before proceeding upward to depths of three feet in the vicinity of the property boundary with the cemetery. To the south of K16/L16, the excavations will generally proceed upward to depths of nine feet below grade in the vicinity of the "N" row of soil borings between the cemetery and grid line 12. With the exception of the excavation in the vicinity of O14, which will likely extend to depths in the vicinity of the seasonal low groundwater table (i.e., 17 feet below grade), the excavations will continue upward to depths of seven feet below grade in the vicinity of the "P" row of soil borings between the cemetery and grid line 12. Finally, as excavations continue south toward Elm Street they become increasingly shallow in depth, with excavations immediately adjacent to Elm Street extending approximately 1 foot below grade.

Moving west from K16/L16, the excavations proceed upward to depths of 11 feet below grade in the vicinity of soil boring L15 and continue upward to approximately seven feet below grade along the "L" row of soil borings between grid lines 10 and 14. The excavations in the vicinity of L12SW and EB-03 will generally extend to depths of approximately 13 feet below grade. Moving west of EB-03, excavations generally extend to depths of 11 feet below grade in the vicinity of I08 and nine feet below grade in the vicinity of I06. With the exception of some limited areas to depths of approximately three feet below grade, the excavations north, west, and south of soil boring I06 will generally extend to 1 foot below grade along Keyes Drive from Elm Street to the "C" row of soil borings.

A similar review of the subsurface soil data for the Mill Street Area indicates two areas where PCBs were detected in excess of the subsurface SCL (1 ppm) down to bedrock. The first location is in the center of the Mill Street Area in the vicinity of soil borings C12, C13, EB-12, and EB-21C. The second location is a smaller area in the northwest portion of the property in the vicinity of soil borings C07, C07NW and D07. Moving east from the C12, C13, EB-12, and EB-21C cluster, the excavations generally extend upward to depths ranging between 12 and 17 feet below grade between the "C" and "D" grid lines and grid lines 15 and 18. To the south and east of sample locations C17 and C18, the excavations in the areas adjacent to Mill Street will extend approximately 1 foot below grade. The excavations beneath the portion of Mill Street south of the "D" row of soil borings and grid lines 11 and 17 generally extend to depths between three and nine feet below grade.

Between the two bedrock excavations at the Mill Street Area, the excavations generally range from seven to 17 feet below grade. Immediately south and west of the bedrock excavation in the vicinity of the C07, C07NW, and D07 cluster, the excavations generally range between eight and 19 feet below grade. West of this area, the excavations generally range between one and seven feet below grade, as far west as the stream/drainage ditch. The excavations beneath the remainder of Mill Street (i.e., between grid lines 5 and 11) generally extend up to two feet below grade.

Data validation for the soil sample data collected during the soil sampling program was performed in accordance with the procedures presented in Section 20 of the QAPP. The delineation data set presented in GE's October 29, 2004 letter to EPA included approximately 930 PCB samples. Approximately 28% of those samples were subjected to Tier II validation and approximately 15% of the samples subject to Tier II validation were subjected to Tier III validation. During the Tier I and Tier II validation process no major QA/QC deviations, which would result in the rejection of data, were identified. Therefore, none of the data were subject to higher levels of data validation. The overall usability of the soil sample analytical data set is 100%, which is greater than the minimum required usability of 90% specified in the Section 11.6 of the QAPP. As a result, the soil sample data set is considered usable for its intended purpose.

The primary objectives of the test pitting activities were to provide supplemental information related to design of the ROD remedy. Specifically, the test pitting activities provided an opportunity to investigate the presence and extent of materials not amenable to thermal treatment. Samples were collected during the test pitting activities to provide waste characterization data for potential off-site disposal of such materials and to provide bulk soil samples for use in the thermal desorption treatability study. As indicated in this PD Report, the thermal treatability study has resulted in sufficient data to proceed with design of a Low Temperature Thermal Desorption system during the Remedial Design phase of the project.

With respect to the Site groundwater, the Phase 1 and Phase 2 pre-design investigations involved the performance of several activities to establish baseline conditions at the Site, including: the performance of a monitoring well survey; groundwater elevation monitoring; monitoring well installation, development, and specific capacity testing; baseline groundwater sampling; and groundwater treatability testing. As documented herein, each of the proposed activities has been successfully implemented. Regarding future activities related to the groundwater component of EPA's ROD remedy, a separate revised draft *Surface Water and Groundwater Monitoring Plan* was submitted in June 2003, (supplemental groundwater sampling documents were also submitted in April 2004), which proposed groundwater and surface water monitoring activities. Upon receipt of EPA comments, that plan will be finalized.

Investigation Derived Waste (IDW) was generated by EPA and stored on-site during the 1993 Remedial Investigation and subsequent removal actions performed through 2000. In addition, GE generated IDW during the performance of the pre-design investigations documented herein. IDW generated by EPA and GE, was consolidated and removed from the Site in July 2003, as well as June and October 2004.

As documented in this PD Report, there are certain data gaps that will require additional investigation activities prior to completion of the Remedial Design; however, those data needs should not prevent initiation of the Remedial Design. Section 6.0 provides a detailed discussion of the data needs associated with the future utility corridor, the aforementioned traffic and road survey and the soil column study (collection of representative soil and groundwater samples for use in a potential soil column study was not performed pending further discussion of the Soil Column/Leaching Study Work Plan [Attachment B of the PD Work Plan]), as well as additional soil delineation sampling for certain areas of the Site. Although these data needs remain to be addressed, the performance of the pre-design investigation activities documented in this PD Report resulted in the collection of sufficient data to proceed with the design of the ROD Remedy and the potential off-site Disposal Remedy for the Site.

1. Introduction

1.1 General

This *Pre-Design Report* (PD Report) presents the results of the recently completed pre-design investigation activities conducted by the General Electric Company (GE) at the Fletcher's Paint Works and Storage Facility Superfund Site - Operable Unit 1 (Site or OU-1) in Milford, New Hampshire. The pre-design investigation activities are described in the November 2003 Pre-Design Investigation Work Plan (PD Work Plan) (as well as subsequent work plan modifications, as described in Section 4.3), which was approved by the U.S. Environmental Protection Agency (EPA) in a November 26, 2003 letter. Section 4.3 provides a chronology of submittals and EPA approvals that occurred throughout this pre-design investigation. This PD Report is submitted pursuant to a Unilateral Administrative Order (UAO) issued by EPA to GE on July 16, 2001, effective August 15, 2001 (as modified by EPA on August 15, 2001). That UAO requires GE to conduct pre-design, remedial design, and remedial action activities (collectively referred to herein as "RD/RA activities") necessary to design and implement EPA's selected remedy for the Site, as described in EPA's: 1) Record of Decision (ROD) for OU-1 dated September 30, 1998; 2) Explanation of Significant Differences (ESD) dated March 14, 2001; and 3) RD/RA Statement of Work (SOW) for OU-1 dated July 2001 (which is Attachment C to the UAO). The UAO governs the performance of RD/RA activities to address polychlorinated biphenyls (PCBs) and other hazardous substances found by EPA in soil, sediment, groundwater, and/or surface water at OU-1.

GE notified EPA by letter dated August 27, 2001, that it would perform pre-design, remedial design, and related activities at the Site in accordance with the schedule provided in the UAO (as modified), and GE reserved its rights with respect to all other aspects of the UAO. In accordance with that commitment, GE is submitting this PD Report. However, in doing so, GE does not waive or modify in any way the reservation of rights set forth in its August 27, 2001 letter.

1.2 Purpose and Scope of PD Report

The purpose of this PD Report is to present the results of the pre-design investigations that GE performed at the Site as required by the UAO. The data from those investigations will be used to develop the Remedial Design that will achieve EPA's selected Soil Cleanup Levels (SCLs) and Interim Cleanup Levels (ICLs) for groundwater, as set forth

in the ROD, ESD, and UAO. It should be noted that although the ROD remedy specified in the UAO requires that the excavated soils from the Mill Street and Elm Street Areas be treated on-site by *ex situ* thermal desorption, EPA has stated that it will consider the possibility of changing the remedy to allow off-site disposal of those excavated soils, subject to certain conditions [see letter from Patricia L. Meaney, EPA to Stephen Ramsey, GE dated July 16, 2001, and included in Appendix A]. One of those conditions is that GE would perform the remedial design work on a dual track – with one design for the ROD remedy and an alternative design for the off-site disposal remedy. The data generated during the pre-design investigations and documented herein, will be used to develop these two designs.

This PD Report summarizes the historical and pre-design investigation data collected from the Site, as well as an assessment of the adequacy of those data to characterize the Site relative to EPA's selected SCLs). Any outstanding data gaps, identified through a comparison of the objectives of the pre-design investigations to the results of the recently completed pre-design investigations, are also summarized herein. This PD Report focuses primarily on pre-design activities related to delineating the extent of soils subject to remedial actions and obtaining other data necessary to design those soil-related remedial actions. This report includes some groundwater-related investigation data which, in addition to providing baseline water quality data, was collected to provide data necessary to design the remedial actions for Site soils. However, in accordance with the requirements of the UAO and SOW, GE submitted a separate revised draft *Surface Water and Groundwater Monitoring Plan* (Water Monitoring Plan or WMP) in June 2003, which proposed groundwater and surface water monitoring activities to be conducted until EPA's approval of a *Remedial Action Work Plan* (RAWP). Upon receipt of EPA comments, that document will be finalized.

1.3 Format of Document

The remainder of this PD Report is presented in the following six sections:

- Section 2 provides a brief history and description of the Site followed by a summary of the investigation activities performed to date.
- Section 3 briefly summarizes the ROD remedy for the Site and discusses the applicable SCLs and groundwater ICLs selected by EPA for the Site, as specified in the ROD and the UAO.
- Section 4 presents a detailed summary of EPA-approved pre-design investigation activities performed at the Site by GE between May 2003 and August 2004.

- Section 5 summarizes the Site control and Site security activities performed by GE following completion of the pre-design investigation activities.
- Section 6 discusses the outstanding data needs and provides a conceptual schedule for filling those needs.
- Section 7 summarizes the future Remedial Design (RD) activities for the Site and a schedule for the performance of those activities.

2. Background Information

2.1 General

This section of the PD Report provides a general overview of information concerning the Site, including existing data from prior investigation activities performed by EPA and others. Section 2.2 provides a brief site history and description of the specific areas around the Site. Section 2.3 summarizes the prior investigation activities performed by EPA at the Site, and existing data from these investigations which that be used to support the RD.

2.2 Site History and Description

As discussed in Section 1, EPA issued a UAO on July 16, 2001 directing GE to conduct an RD/RA program at the Site to address PCBs and other hazardous substances detected by EPA in soil, sediment, groundwater, and/or surface water during Remedial Investigation activities performed at OU-1. OU-1 measures approximately 2 acres in size and generally consists of the following three areas:

- The former Fletcher's Paint Works Site (39 Elm Street) referred to as the Elm Street Area;
- The former Fletcher's Paint Storage Facility (north side of Mill Street) referred to as the Mill Street Area; and
- A drainage ditch/culvert system that traverses in a northerly direction from Mill Street Pond to the Souhegan River.

The Site is located within a mixed-use area consisting of residential and light commercial/industrial properties immediately west of the center of Milford, as shown on Figure 1. Since the 1800s, the Site has had many agricultural and commercial uses, including serving as the Milford town dump from 1921 to 1947. From 1948 until 1991, Fletcher's Paint operated its business at the Site. Fletcher's operations included the manufacture, storage, and distribution of water-based latex paints and organic-based solvent paints, with an annual production volume ranging between 25,000 to 35,000 gallons. Also, Fletcher's Paint operated as a "middle man," obtaining and selling for profit industrial chemicals and other materials.

According to EPA, the areas that comprise OU-1 were identified based on a number of considerations, including geographic location, prior regulatory definition and status, scope and timing of response actions, current and reasonably foreseeable land use, and nature and extent of the affected media. These areas include the Elm Street and Mill Street Areas (now owned by the Town of Milford) and private property in the vicinity of those parcels. The Souhegan River and Keyes Field are not subject to the RD/RA activities required by the UAO, although EPA has indicated that Keyes Field may be needed to stage equipment and soils during performance of the remedy for OU-1.

2.2.1 Elm Street Area

The Elm Street Area is approximately 1.6 acres in size and is located along the southern bank of the Souhegan River. This property is where Fletcher's Paint conducted its former manufacturing and retail distribution activities. As shown on Figure 2, the Elm Street Area is bounded by the Souhegan River to the north (a portion of the property is located within the 100-year floodplain), a Revolutionary War-era cemetery to the east, Elm Street (State Route 101A) to the south, and an access road for Keyes Field to the west.

Historical operations at the Elm Street Area date back to the 1800s, when the property was reportedly used for agricultural farmland. All subsequent operations at the property were commercial in nature, including hide storage for a tannery, a blacksmith and carriage painting shop, an armory, the town burning dump, and an automotive dealership. Most recently, after Fletcher's Paint ceased operation, a retail consignment shop was operated in a portion of the building formerly used by Fletcher's Paint. The consignment shop was closed in 2000 prior to demolition and removal of the building.

Until recently, physical structures at the Elm Street parcel included a one-story brick and concrete block building with an approximate footprint of 40,000 square feet, a small parking area adjacent to Elm Street and Keyes Drive, and five underground storage tanks (USTs). As an interim action for the remedial action the building was demolished and the two USTs located under the sidewalk in front of the former building were excavated and removed by EPA between December 2000 and January 2001. The building slab was broken up and sent with the building demolition debris to a regulated off-site disposal facility. The granite block portion of the building foundation was left in place. Other physical structures present at the Elm Street Area include five discharge pipes extending from the southern riverbank, which are/were used to discharge storm water runoff from the town drainage system and/or from the former paint manufacturing facility.

In addition to the interim action described above, four removal actions have been performed at the Elm Street Area by EPA or GE since 1988. The first removal action at the Elm Street Area occurred between May and October 1988, when EPA staged 863 drums for subsequent waste characterization sampling and off-site disposal. EPA also placed a cap consisting of geotextile fabric and clean soil over a portion of the property. The second removal action at the Elm Street Area was performed by EPA between November and December 1991, and consisted of removing laboratory containers from the building followed by the installation of a fence around the Site. In 1993, EPA performed a third removal action to characterize and dispose of several hundred containers of miscellaneous materials associated with the former paint manufacturing activities at the Site. As part of this third removal action, the cap at the Elm Street Area was also repaired and re-graded. GE voluntarily performed a fourth removal action during the summer of 1996, which consisted of excavation and off-site disposal of soils containing low levels of PCBs in the vicinity of the current Korean War Memorial (Figure 2).

In its 1994 *Final Remedial Investigation for Fletcher's Paint Site* (RI), EPA identified PCBs as a constituent of concern (COC) at the Elm Street Area. EPA also identified additional substances as COCs in the soil, sediment, surface water, and/or groundwater, including: volatile organic compounds (VOCs) (xylenes, ethylbenzene, toluene), semi-volatile organic compounds (SVOCs) (phthalates, polycyclic aromatic hydrocarbon [PAH] compounds), and several inorganic compounds (metals).

2.2.2 Mill Street Area

The Mill Street Area is approximately 0.25 acres in size and is located approximately 700 feet south of the Elm Street Area. The Mill Street Area is bounded to the north by an active railroad line, to the east by Cottage Street, to the South by Mill Street, and to the west by the Draper Energy Coal Yard (Figure 3). Historical operations at the Mill Street Area included grain storage and a gristmill. After these operations ceased, Fletcher's Paint used the existing buildings to store paint-related materials that included pigments.

Concurrent with several of the removal actions performed at the Elm Street Area (described in Section 2.2.1), removal actions were also performed at the Mill Street Area. During the 1988 removal action, EPA placed a geotextile and soil cap at the Mill Street Area and removed bags of asbestos from a small storage shed attached to a larger building on the property. During EPA's 1993 removal action, waste materials stored inside the main building were characterized and sent off-site for disposal, followed by demolition of the building. The building demolition debris was also characterized and sent off-site for disposal. During this removal action, EPA also repaired the cap

materials placed on the property in 1988, installed additional cap materials over the footprint of the former storage building, and hydroseeded the Site. In the summer of 1995, GE conducted an EPA-ordered removal action consisting of the removal and off-site disposal of PCB-containing soils from three residential properties located south of the Mill Street Area. GE also installed a 10-foot wide paved apron adjacent to Mill Street to prevent degradation and wear of the cap, along with grading and paving of Mill Street to facilitate storm water runoff away from the residences and onto the Mill Street Area.

In addition to the removal actions specified above, GE performed some debris and waste removal activities associated with a small coal transfer building located on the Draper Fuel Company parcel adjacent to the Mill Street Site. That building was destroyed by fire in October 2001. In February 2002, the property owner removed the fire-related debris. Following this work, GE performed additional work at the Site, which included: placing a liner within the former truck-scale pit, and backfilling the pit to surface grade; removal and off-site disposal of approximately 230 tons of surplus coal; and placement of a liner followed by a 1-foot thick soil cover over the former building footprint. This work was completed by GE in February 2002.

In its 1994 RI, EPA reported that the COCs associated with the Mill Street Area primarily consist of VOCs (trichloroethylene, trichlorobenzene, xylene), PAH compounds, PCBs, and inorganics (metals). According to results presented in the RI, soil samples obtained by EPA from an area to the east of the former storage building exhibited the highest concentrations of these constituents. It is believed that this area was previously used as a drum storage area and material transfer area. In addition, according to EPA, groundwater samples obtained from monitoring wells installed at the Mill Street Area showed a number of chemicals, including trichloroethylene, trichlorobenzene, and PCBs. Based on these results, EPA concluded that soils at the Mill Street Area are a source of groundwater contamination.

2.2.3 Drainage Ditch/Culvert System

Beginning at Mill Street Pond and traversing in a northerly direction to the Souhegan River is a drainage ditch/culvert system. Seasonal and stormwater flows are carried by the drainage ditch beneath Mill Street, past the Mill Street Area and the Draper Energy Coal Yard, then along the eastern side of Hampshire Paper Company to a stone culvert located to the rear of a Mobil Service Station. The culvert then carries the flow beneath Cottage and Elm Streets and the eastern portion of the Elm Street Area where it subsequently discharges into the Souhegan River.

The UAO requires no remediation of the drainage ditch/culvert system. Work to be performed at this portion of the Site is limited to regrading and repair of the storm drainage system, as necessary, to promote surface water flow away from the Mill Street Area.

2.3 Summary of Historic Site Investigations

Prior to performance of the pre-design investigations documented herein, EPA performed an RI at the Site. Soil, sediment, groundwater, and/or surface water data were generated by EPA during Phase 1A and Phase 1B of its RI (see *Final Remedial Investigation for Fletcher's Paint Site, Revision No. 1, Volume II, Arthur D. Little, July 1, 1994*). As indicated in Section 4.2 of the PD Work Plan, GE intends to only use data generated (during EPA's RI activities) in accordance with Contract Laboratory Procedure (CLP) methods in designing the remedy for the Site. Soil screening data derived from the on-site field laboratory used by EPA during performance of the RI will not be considered during remedy design.

To facilitate the presentation and use of these prior data, Figures 2 and 3 depict prior sampling locations at the Elm Street and Mill Street Areas, respectively. For the specific constituents subject to SCLs (as identified in the ROD and UAO and discussed further in Section 3), the existing analytical data that will be used to support the remedial design are summarized in the following tables:

- Table 1 - EPA RI PCB Soil Sample Data; and
- Table 2 - EPA RI Non-PCB Soil Sample Data.

3. Description of ROD Remedy and Cleanup Standards

3.1 General

This section of the PD Report summarizes the remedy for the Site (Section 3.2) and identifies the SCLs and groundwater ICLs selected by EPA (Section 3.3). Additional details regarding the remedy are provided in EPA's September 1998 ROD, March 2001 ESD and July 2001 UAO/SOW.

3.2 EPA's Description of the ROD Remedy

The ROD includes a description of the remedy selected by EPA for OU-1 and EPA's rationale for selection of that ROD remedy. In general, EPA-specified remedial actions address the following media:

1. Surface (0- to 1-foot depth increment) soils at the Elm Street and Mill Street Areas;
2. Subsurface (greater than 1 foot depth increment) soils at the Elm Street and Mill Street Areas; and
3. Groundwater (Site-wide).

The UAO provides a summary of the ROD remedy in Paragraphs 52 through 56 (pp. 22-25). Applicable excerpts from those paragraphs are quoted below (in italics).

Paragraph 52 of the UAO specifies the following:

> *Excavation of approximately 1,500 yd^3 of surface soils (0 to 1 foot) at the Mill Street Area to a depth of 1 foot, wherever PCB concentrations are greater than 1 mg/kg PCB.*

Paragraph 53 of the UAO specifies the following:

> a. *Excavation of approximately 12,000 yd^3 of subsurface soils at the Mill Street Area to bedrock (1 foot to 20 feet below surface), wherever PCB concentrations remain that exceed 1 mg/kg PCB; or excavation of soils wherever PCB concentration remain that exceed a level at which leaching models and/or soil column testing show that infiltration through the remaining PCB soil concentrations will not result in future groundwater concentrations in excess of the 0.5 ug/l MCL groundwater concentration for PCBs. The*

determination of a subsurface soil cleanup level other than 1 mg/kg PCB will be at the sole discretion of EPA.

b. *Water collected from the dewatering of the excavated soils and water collected as a result of lowering of the water table to conduct the excavation, will be either treated on-site in a mobile unit and appropriately discharged to the Souhegan River or sent off-site to a treatment facility.*

c. *Treatment of approximately 13,500 yd^3 of excavated soils by ex-situ thermal desorption. The thermal desorption unit will be located on the Elm Street Area, which is currently secured with a fence. Liquid PCB condensate produced from the thermal desorption process will be disposed of off-site at an appropriate facility.*

d. *Off-site disposal of all soil and debris that is either oversized or cannot be treated through the thermal desorption unit. All contaminated soil and debris will be disposed of in accordance with TSCA disposal regulations.*

e. *Backfilling of the treated soils into the excavated Mill Street Area and restoration of the area consistent with the anticipated future use of the Site, including the pavement of Mill Street to reduce infiltration of precipitation, control erosion, and promote drainage.*

f. *Regrading and repair of the storm drainage ditch system, as necessary, to promote surface water flow away from the Site. Erosion control measures shall be incorporated into the final drainage system to prevent erosion or debris from restricting future storm water flow from the Mill Street Area or filling in of the drainage ditch.*

Paragraph 54 of the UAO specifies the following:

a. *Excavation of approximately 2,800 yd^3 of surface soils at the Elm Street Area to a depth of 1 foot, wherever PCB concentrations are greater than 1 mg/kg PCB.*

b. *Excavation of approximately 1,000 yd^3 of subsurface soils, within the utility corridor(s), at the Elm Street Area at depths between 1 and 10 feet, wherever PCB concentrations are greater than 25 mg/kg PCB. Final location of the utility corridor(s) within the Elm Street Area will be determined during design.*

Additional language pertaining to the utility corridor is contained on page 14, Section III.B.5 of the SOW, which states:

At the Elm Street Area, the storm drainage system currently under the Fletcher's Paint Works building, is not accessible by town personnel since the system lies, in some places, 17 feet below the surface, and below areas of heavily contaminated soil. The drainage system channels contaminated groundwater directly to the Souhegan River during periods of high elevation of the groundwater. The Respondent shall decommission the old, existing drainage system and re-route a new drainage system within a utility corridor to be designed and constructed as part of the Work.

Paragraph 55 of the UAO specifies the following:

a. *Excavation of approximately 11,600 yd^3 of remaining subsurface soils, with the exception of the "hot spot" materials described below, from a depth of 1 foot to the seasonally low water table, wherever PCBs remain that exceed a concentration of 100 mg/kg; or to a concentration at which leaching models and/or soil column testing show that infiltration through the remaining PCB soil concentrations will not result in future groundwater concentrations in excess of the 0.5 ug/l MCL groundwater concentration for PCBs. The determination of a subsurface soil cleanup level other than 100 mg/kg PCB will be at the sole discretion of EPA.*

b. *Excavation and off-site disposal in an appropriate landfill of the "hot spot," a semi-solid stain (polyamide and polyurethane) material. This material is not amenable to the thermal desorption process, as the material is comprised of polyurethane, alkyd resins, etc., which may affect the performance of the thermal desorption unit. (The actual volume of this material is estimated to the 1,000 - 2,000 yd^3, and is considered part of the subsurface excavation volume described above.)*

c. *Removal and disposal of the three underground storage tanks located on the Fletcher's Elm Street Area.*

d. *Treatment of approximately 15,400 yd^3 of excavated soils by ex-situ thermal desorption. The thermal desorption unit will be located on the Elm Street Area. This may involve the placement of the mobile unit at one or more locations on the property during the excavation and treatment operations. Liquid PCB condensate produced from the thermal desorption process will be disposed of off-site at an appropriate facility.*

e. *Backfilling of the treated soils into the excavated areas on-site.*

f. *Final grading of and placement of a 10-inch soil cover over the treated soils, or placement of treated soils within the top foot, which demonstrate PCB concentrations of less than or equal to 1 mg/kg. Asphalt would be placed on areas designated for parking, consistent with the final grading plans and the future anticipated use of the Site. The asphalt covering will promote drainage, reduce erosion, and further minimize infiltration through the residual contamination at the Site. Restoration and landscaping of the remaining areas not covered by asphalt. Erosion control measures will be incorporated into the final grading to prevent erosion of the cover materials off-site and into the Souhegan River.*

g. *Institutional controls in the form of deed restrictions would be implemented to prevent unauthorized access into the subsurface. Deed restrictions also would have to be implemented to restrict future use of the Site.*

Paragraph 56 of the UAO specifies the following:

a. *Establish a Groundwater Management Zone (GMZ) under NH's Comprehensive Groundwater Policy. The GMZ sets plume boundaries within which groundwater will be monitored over time to ensure that the contaminate concentrations are decreasing; to ensure that the remaining contamination has not migrated beyond the established plume boundaries or impacted the Souhegan River; and that the remedial action cleanup is working and remaining effective over time. Institutional controls would have to be implemented to restrict the use of the groundwater within the GMZ, while contaminant concentrations are in excess of drinking water standards. Further action may be necessary consistent with the NH Comprehensive Groundwater Policy.*

b. *Interim Groundwater Cleanup Levels must be achieved within the GMZ and maintained for a period of three consecutive years. A risk assessment will be performed on residual groundwater contamination to determine protectiveness of the remedy. If EPA determines the remedy is not protective, the remedial action shall continue until protective levels are achieved and not exceeded for three years or until the remedy is deemed protective or is modified.*

3.3 Performance Standards

EPA has established Performance Standards for the ROD remedy, including SCLs and groundwater ICLs. These SCLs and groundwater ICLs are summarized below.

3.3.1 Soil Cleanup Levels

EPA's selected SCLs are as follows:

EPA's Selected SCLs

Area	Cleanup Level (mg/kg)
SCLs for the Protection of Human Health from Dermal Contact and Accidental Ingestion	
Surface Soils: 0-1 Foot at Elm Street and Mill Street Areas:	
Benzo[a]anthracene	2.1[1]
Benzo[a]pyrene	0.2[1]
Benzo[b]fluoranthene[2]	2.0[1]
PCB	1.0
Arsenic	0.9[1]
Subsurface Soils: 1-10 Feet at Elm Street and Mill Street Area Utility Corridor(s):	
PCBs	25

EPA's Selected SCLs (continued)

Area	Cleanup Level (mg/kg)
Subsurface SCLs for the Prevention of Leaching to the Groundwater for the Protection of Human Health	
Elm Street: PCBs	100
Mill Street: PCBs	1[3]

Notes:
mg/kg = milligram per kilogram (ppm)

1. Excavation of surface soils containing concentrations of these constituents will occur only where soils are excavated containing PCBs above the Cleanup Level. Refer to Section 4.5.6 for additional clarification of these cleanup levels.
2. EPA's ROD and SOW identifies Benzo[**a**]fluoranthene as a Soil Cleanup constituent. No such compound exists. It has been assumed that this is a typographical error and that the intended constituent is Benzo[**b**]fluoranthene. This correction has been applied throughout the remainder of this document.
3. EPA's ROD and UAO provide GE with the opportunity to modify the SCLs for subsurface soils based upon a demonstration by a soil column study or leaching model that the residual concentrations of PCBs in soil would not, in the future, result in groundwater concentrations in excess of 0.5 ppb for PCBs.

Two clarifications to the SCLs specified in the ROD were made during the performance of the pre-design investigations. The first clarification related to observed PCB concentrations in subsurface soils at sampling location C01 at the Mill Street Area. Specifically, following performance of the pre-design investigations proposed in the PD Work Plan, GE submitted a document titled *Proposed Supplemental Pre-Design Delineation Soil Sampling Activities* on March 17, 2004. On March 25, 2004, representatives of EPA, United States Army Corps of Engineers (USACE) and GE participated in a conference to review the scope of the supplemental soil investigations proposed by GE. Based on discussions during that meeting and subsequently documented in an in an April 2, 2004 e-mail from Blasland, Bouck & Lee, Inc. (BBL, now ARCADIS, is the Supervising Contractor for the Site) to EPA (which transmitted revised subsurface delineation sampling figures), and as further clarified in EPA's March 31, 2005 approval letter for the draft PD Report, the observed concentrations of PCBs at sample location C01 were consistent with EPA's Spill Policy (40 CFR 761.125) for commercial areas and would not be subject to the 1 part per million (ppm) SCL specified for the Mill Street Area. It is anticipated that other risk management decisions might be applicable for other areas of the Site, such as in the vicinity of the railroad tracks north of Mill Street, where low-level, sporadic concentrations of PCBs were observed. This discussion will be presented in subsequent design documents.

The second clarification to the SCLs specified in the ROD relates to observed PCB concentrations in subsurface soils located west of Keyes Drive (adjacent to the Elm Street Area). Specifically, EPA's March 31, 2004 conditional

approval letter for GE's March 17, 2004 supplemental sampling proposal required GE to collect subsurface soil samples at location H03 west of Keyes Drive and compare the results of those samples to a subsurface SCL of 1 ppm. GE's April 12, 2004 response to comment letter requested clarification regarding the subsurface SCL in the vicinity of the Elm Street Area. At the April 15, 2004 weekly status meeting, EPA clarified its comment by indicating that soils west of Keyes Drive are not considered part of the Elm Street Area (primarily because that part of the Elm Street Area would not be below an asphalt cap) and therefore, the SCL of 1 ppm is applicable for subsurface soils west of Keyes Drive.

Additional information regarding these clarifications to the SCLs are provided in Sections 4.3 and 4.6 of this PD Report. Copies of the correspondence specified above are presented in Appendices A (Regulatory Correspondence) and B (Weekly Status Meeting Minutes).

3.3.2 Interim Cleanup Levels for Groundwater

EPA's selected groundwater ICLs are as follows:

EPA's Selected Interim Cleanup Levels (ICLs) for Groundwater

Interim Groundwater Cleanup Levels	
Carcinogenic Contaminants of Concern	**Interim Cleanup Level (ug/L)**
Volatiles:	
Benzene	5.0
1,2-Dichloroethane	5.0
Trichloroethylene	5.0
Pesticides/PCBs:	
PCBs	0.5
Non-Carcinogenic Contaminants of Concern	**Interim Cleanup Level (ug/L)**
Volatiles:	
Ethylbenzene	700
Toluene	1,000
Semi-Volatiles:	
1,2,4-Trichlorobenzene	70
PCBs	0.5
Metals:	
Manganese	180

Note:
ug/L = microgram per liter (ppb)

As presented by EPA in the ROD and UAO, the groundwater remedy for the Site will rely on monitored natural attenuation until such time as the groundwater ICLs specified above have been achieved for a period of 3 consecutive years. EPA has stated that, at that time, it will re-assess the cumulative risk based on residual groundwater levels, and that if the risk is found to be acceptable, the residual groundwater levels will be adopted as the final Performance Standards for groundwater and the groundwater remedy will be considered complete. EPA has stated further that if the risk is found to be unacceptable, EPA will establish modified groundwater cleanup levels, and monitored natural attenuation will continue until the modified groundwater cleanup levels have been achieved and it has been determined that the residual groundwater levels do not pose an unacceptable risk. According to EPA, once acceptable risk levels have been achieved, the residual groundwater levels will be adopted as the final Performance Standards for groundwater and the groundwater remedy will be considered complete.

4. Summary of Pre-Design Investigations

4.1 General

This section summarizes the two phases of the pre-design investigation activities performed by GE between May 16, 2003 and August 26, 2004. The Phase 1 pre-design investigations proposed in the PD Work Plan involved the performance of miscellaneous activities (i.e., site survey, geophysical survey, traffic and road survey, UST characterization, monitoring well survey, and groundwater elevation monitoring) to establish baseline conditions at the Site and assist with the design and implementation of certain Phase 2 pre-design investigation activities. The Phase 1 pre-design investigation activities were initiated with a project kickoff meeting on May 16, 2003 (within 15 days of receipt of EPA's letter providing comments on the December 2001 draft PD Work Plan). The Phase 1 investigation activities were performed as proposed in the June 2003 revised draft PD Work Plan. Those investigation activities were essentially completed by August 15, 2003 and documented in the November 2003 PD Work Plan. Similarly, the Phase 2 pre-design investigations performed at the Site involved the performance of miscellaneous activities (i.e., soil sampling, test pit excavation, monitoring well installation, soil column study, thermal desorption treatability testing, and groundwater treatability testing) to provide sufficient data for GE to proceed with the design of the ROD-specified and potential off-site disposal remedies. As previously indicated, those activities were implemented as proposed in the November 2003 PD Work Plan between November 7, 2003 and August 26, 2004, unless as specifically noted in Section 4.3 (minor modifications) or Section 4.6 (significant EPA-approved modifications to specific tasks).

All pre-design activities were conducted in accordance with GE's November 2003 *Project Operations Plan* (POP). The POP consists of a *Site Management Plan* (SMP), a *Sampling and Analysis Plan* (SAP) (which includes a *Quality Assurance Project Plan* [QAPP] and a *Field Sampling Plan* [FSP]), and a *Community Relations Support Plan* (CRSP). In addition, GE's Supervising Contractor, Blasland, Bouck & Lee, Inc. (BBL) and it's subcontractors implemented the field activities described in this PD Report in accordance with the December 2001 *Site Health and Safety Plan* (HASP).

Section 4.2 briefly discusses the Conceptual Site Model (CSM) reflected in the ROD and UAO, as well as revisions to the CSM based upon the more extensive soil sampling activities performed during the recently completed pre-design investigation activities. Section 4.3 presents a chronology of the PD Work Plan development and the subsequent performance of the pre-design investigations. Although the Site preparation and Phase 1 investigation

activities performed by GE were documented in the November 2003 PD Work Plan, detailed summaries of those activities are provided in Sections 4.4 and 4.5, respectively, of this PD Report. Section 4.6 provides a detailed summary of the Phase 2 pre-design investigation activities and the data collected during each of those investigation activities. Finally, Section 4.7 presents the results of the data quality assessment for the soil sample data collected during these pre-design investigations.

4.2 Conceptual Site Model

Development of a CSM provides a mechanism through which project personnel can effectively communicate, resolve issues, and facilitate the decision-making process throughout the different phases of a project. The American Society for Testing and Materials (ASTM) issued a guidance document to assist with the development of CSMs: *Standard Guide for Developing Conceptual Site Models for Contaminated Sites* (ASTM, E 1689-95 [Reapproved 2003]). That guidance indicates the CSMs are developed to support site characterization activities, including:

- Integration of technical information from various sources.
- Selection of sample locations to establish background concentrations of substances.
- Identification of data needs and guide the data collection activities.
- Evaluation of the risk to human health and the environment posed by a contaminated site.

The ASTM guidance recommends that the CSM be used by the project team throughout all phases of the project from preliminary site assessment, through remedial investigation, baseline risk assessment, feasibility study, and ultimately site remediation. Since the guidance contemplates the use of the CSM throughout the life of the project, it recommends the development of the CSM as close to project inception as possible. As a result, the guidance is written toward activities that are generally thought of as site characterization activities. Specifically, the guidance indicates that development of a CSM generally involves the following six tasks: identification of potential contaminants; identification and characterization of sources; delineation of potential migration pathways through environmental media; establishment of background concentrations for identified contaminants; identification and characterization of potential receptors; and, determination of the limits of the study area and/or boundaries.

The above-listed site characterization tasks were generally addressed through EPA's performance of the RI and Baseline Human Health and Ecological Risk Assessments (HHRA and ERA, respectively). While the ASTM guidance focuses on development of the CSM to assist with these site characterization activities, it also acknowledges that the CSM is an effective tool to evaluate data, identify data needs, facilitate remedial alternative selection and evaluate the effectiveness of the selected remedial action(s) in reducing the exposure of environmental receptors to contaminated site media.

The ASTM guidance indicates that development of a CSM is an iterative process, requiring refinement and revision throughout the site investigation process to incorporate additional site data and the increasing complexity of the Site. Although the RI performed by EPA at the Site generated data to support the development of the HHRA, ERA, and ultimately the remedy specified in the ROD, both the ROD and UAO contained language acknowledging that additional pre-design investigation activities were necessary to further identify and quantify the extent of soil and groundwater contamination at the Site requiring remediation. Since the pre-design investigations documented herein essentially represent the completion of the pre-design investigation phase of this project; and since the results of those pre-design investigations represent a substantial increase in the size of the data set that will ultimately be used to design the remedy for the Site, a review of the CSM is appropriate at this time.

To provide a basis for comparison, an overview of the CSM using only historic data generated by EPA is appropriate. The ROD remedy can be used to provide that overview of the baseline CSM using only EPA data. The ROD remedy specifies certain surface and subsurface SCLs and groundwater ICLs that were derived based on the results of the HHRA and ERA using the data collected during the RI. Based on that data, the ROD requires the removal of up to 28,900 cubic yards (cy) of soil from the Elm (15,400 cy) and Mill Street (13,500 cy) Areas. The removal volumes for the Elm Street Area appear to be derived from the removal areas presented in Figures 13 through 15 of the ROD. As shown on Figure 13, essentially the entire top foot of soil for the Elm Street Area was proposed for excavation (approximately 2,800 cy). In addition, Figures 14 and 15 indicate removal would be required to a depth of up to 20 feet below grade over a large area in the central portion of the Elm Street Area and a smaller area in the northwest portion of the Elm Street Area (approximately 12,600 cy). This latter volume includes approximately 1,000 cy of removal to address soils in the top 10 feet within the future utility corridor. Regarding the Mill Street Area, Figure 13 also indicates that essentially the entire top foot of soil will be excavated (1,500 cy). Although Figures 14 and 15 only depict subsurface soils containing PCBs at concentrations in excess of 100 ppm, review of those figures indicates that EPA's estimated removal volume (12,000 cy) likely involved widespread removal of soil in the top 10 feet with additional removal to approximately 20 feet below grade over a smaller area within the central portion of the Mill Street Area. These estimates are based on the removal volumes presented on

Figures 14 and 15 which depict the volume of soils containing PCBs in excess of 100 ppm at the Mill Street Area. Specifically, Figure 14 depicts an area measuring approximately 20,000 square feet in the central portion of the Mill Street Area which contains PCBs in subsurface soil up to 10 feet below grade and Figure 15 depicts removal over an approximate 3,000 square foot area to a depth of approximately 20 feet below grade to address soils in that depth increment containing PCBs in excess of 100 ppm.

The pre-design activities performed to date have provided information which, when incorporated into a revised CSM, will likely result in revised soil removal volumes. The development of revised soil removal volumes will be performed during the Remedial Design phase of the project. A summary of such information is provided below.

As documented in Section 3.3, EPA has modified certain SCLs for the Site and provided clarifications to other SCLs for the Site, which will directly impact the CSM and the excavation volume estimates. Specifically, EPA issued an ESD which has resulted in revised SCLs for certain non-PCB constituents in surface soils at the Site. That ESD indicates that samples containing non-PCB constituents (i.e., select PAHs and arsenic) at concentrations in excess of the corresponding SCLs for those constituents will only have to be addressed if such samples also contain PCBs in excess of the surface soil SCL (1 ppm). As a result, the background surface sampling program proposed in the PD Work Plan was not performed, as discussed in Section 4.5.6. Also, as presented in Section 3.3, EPA provided a clarification regarding the subsurface SCL at the Draper property located west of the Mill Street Area based on EPA's PCB Spill Policy for commercial properties. These clarifications to the SCLs for the Site represent a substantial modification to the CSM, and although the potential impact on the soil removal volumes cannot be quantified at this time, a cursory review of the data collected to date does provide some indication as to possible modifications (expansions or reductions) to the CSM and the soil removal limits and volumes presented in the ROD.

A simplified overview of the potential Remedial Action excavations at the Site is provided below. It should be noted that the following overview is very general and does not take into account variations in excavation depths that may be appropriate based on existing soil sample data or the results of confirmatory soil sampling activities performed during the performance of the Remedial Action. Further, the general overview provided below does not fully incorporate certain risk management decisions that will likely be employed at certain portions of the Mill Street Area due to sporadic, low level exceedances of the subsurface SCL of 1 ppm and constructability concerns regarding excavations to depth in the vicinity of the railroad tracks and Mill Street. Finally, it should be noted that additional specific details regarding the limits and volume of soil removal at the Elm and Mill Street Areas will be provided in subsequent design documents.

The surface soil data at both the Elm Street and Mill Street Areas are generally consistent with the assumptions provided in the ROD requiring excavation of the top foot of soil across the majority of both areas. Regarding subsurface soils at the Elm Street Area, there appear to be two fairly localized areas in the central and northeast portions of the property (i.e., O14/MW-29B and K16/L16, respectively) where subsurface soils contain PCBs in excess of the SCL (100 ppm) at depths up to 20 feet below grade. The excavations in the vicinity of these locations will likely extend down to the vicinity of the seasonal low groundwater table. As the excavations extend outward from soil borings K16/L16, they decrease in depth. Specifically, the excavations to the east of these locations will proceed upward to depths in the vicinity of 13 feet below grade in the vicinity of K18W/L17, before proceeding upward to depths of three feet in the vicinity of the property boundary with the cemetery. To the south of K16/L16, the excavations will generally proceed upward to depths of nine feet below grade in the vicinity of the "N" row of soil borings between the cemetery and grid line 12. With the exception of the excavation in the vicinity of O14, which will likely extend to depths in the vicinity of the seasonal low groundwater table (i.e., 17 feet below grade), the excavations will continue upward to depths of seven feet below grade in the vicinity of the "P" row of soil borings between the cemetery and grid line 12. Finally, as excavations continue south toward Elm Street they become increasingly shallow in depth, with excavations immediately adjacent to Elm Street extending approximately 1 foot below grade.

Moving west from K16/L16, the excavations proceed upward to depths of 11 feet below grade in the vicinity of soil boring L15 and continue upward to seven feet below grade along the "L" row of soil borings between grid lines 10 and 14. The excavations in the vicinity of L12SW and EB-03 will generally extend to depths of approximately 13 feet below grade. Moving west of EB-03, excavations generally extend to depths of 11 feet below grade in the vicinity of I08 and nine feet below grade in the vicinity of I06. With the exception of some limited areas to depths of approximately three feet below grade, the excavations north, west, and south of soil boring I06 will generally extend to 1 foot below grade along Keyes Drive from Elm Street to the "C" row of soil borings.

A similar review of the subsurface soil data for the Mill Street Area indicates two areas where PCBs were detected in excess of the subsurface SCL (1 ppm) down to bedrock. The first location is in the center of the Mill Street Area in the vicinity of soil borings C12, C13, EB-12, and EB-21C. The second location is a smaller area in the northwest portion of the property in the vicinity of soil borings C07, C07NW, and D07. Moving east from the C12, C13, EB-12, and EB-21C cluster, the excavations generally extend upward to depths ranging between 12 and 17 feet below grade generally between the "C" and "D" row of soil borings and grid lines 15 and 18. To the south and east of sample locations C17 and C18, the excavations in the areas adjacent to Mill Street will extend approximately 1 foot

below grade. The excavations beneath the portion of Mill Street south of the "D" row of soil borings and grid lines 11 and 17 generally extend to depths between three and nine feet below grade.

Between the two bedrock excavations at the Mill Street Area, the excavations generally range from seven to 17 feet below grade. Immediately south and west of the bedrock excavation in the vicinity of the C07, C07NW, and D07 cluster the excavations generally range between eight and 19 feet below grade. West of this area, the excavations generally range between one and seven feet below grade, as far west as the stream/drainage ditch. The excavations beneath the remainder of Mill Street (i.e., between grid lines 5 and 11 generally extend up to two feet below grade.

However, as further discussed in Sections 4.6 and 6.0 of this PD Report, additional data needs are outstanding which could substantially alter the CSM and the final limits of soil removal at the Site. Those data needs include delineation of the future utility corridor for the Elm Street Area and additional groundwater elevation monitoring activities to determine the seasonal low groundwater table at the Elm Street Area. In addition, certain sampling locations at both the Elm Street and Mill Street Areas require additional delineation soil sampling activities, either during the Remedial Design (i.e., through delineation sampling) or Remedial Action (i.e., through excavation and confirmatory sampling) phases of the project. The final data need with perhaps the largest potential impact on the CSM and the final limits of soil removal at the Site is the potential performance of a soil column study at the Mill Street Area. However, based on discussions and clarifications provided by EPA during a March 31, 2005 meeting, GE and EPA agreed that performance of a soil column study was not necessary. Additional information regarding the aforementioned data needs and the activities proposed to address these needs are provided in Sections 4.6 and 6, respectively.

4.3 Chronology of Pre-Design Activities

This section presents a chronology of the pre-design investigation activities performed at the Site. The following chronology starts with development of the PD Work Plan and continues through completion of the Phase 2 pre-design investigation activities.

On December 19, 2001, GE submitted a draft PD Work Plan to EPA for review and comment. EPA provided written comments on that document (and affiliated plans) in a May 1, 2003 letter. Several comments, identified as Phase 1 comments, were discussed in a May 13, 2003 conference call, with written responses subsequently submitted to EPA in a May 14, 2003 letter from GE. EPA approved the Phase 1 pre-design activities and GE's

responses to the Phase 1 comments in a May 15, 2003 letter. (The Phase 1 pre-design investigation activities were subsequently initiated by GE on May 16, 2003 and completed on August 15, 2003.) Remaining comments (not discussed on May 13) were discussed in a May 29, 2003 meeting with EPA. EPA submitted a letter to GE on June 5, 2003 requiring the submittal of the revised draft PD Work Plan on June 19, 2003. The revised draft PD Work Plan (and the affiliated plans) incorporated the responses discussed and agreed to during both the May 13 call and the May 29 meeting.

After further review of the revised draft PD Work Plan, EPA issued a letter to GE on October 24, 2003 directing GE to finalize the QAPP and to begin initiation of the Phase 2 pre-design investigation activities. That letter also stated that EPA's final comments would be provided in a forthcoming letter, which was received on November 5, 2003. (The Phase 2 pre-design investigation activities were subsequently initiated by GE on November 7, 2003 and ultimately completed on August 26, 2004. Since these activities involved the submittal of several interim deliverables to EPA, additional details regarding the performance of the Phase 2 pre-design investigations are provided below.) GE submitted the revised Phase 2 schedule and final PD Work Plan and affiliated plans on November 17 and 26, 2003, respectively.

GE completed the majority of the Phase 2 investigations between November 7, 2003 and February 26, 2004 and subsequently submitted a supplemental delineation sampling proposal to EPA on March 17, 2004. That proposal was discussed in a meeting between GE and EPA held on March 25, 2004. EPA provided approval of the proposed supplemental surface sampling activities, as well as select subsurface soil sampling activities in a letter dated March 31, 2004. Based on comments provided by EPA during the March 25, 2004 meeting, GE provided a revised supplemental subsurface sampling proposal to EPA on April 2, 2004. GE also provided a response to EPA's March 31, 2004 comment letter on April 12, 2004.

While awaiting further EPA review and approval of the remaining subsurface delineation proposal, BBL completed the approved supplemental sampling between April 13 and 30, 2004, and performed the test-pitting activities, including sample collection for the thermal treatability pilot testing, between May 17 and August 5, 2004. GE also removed the investigation-derived waste generated during the winter and spring field work on June 22 and 23, 2004. EPA submitted a letter to GE on June 14, 2004 providing approval of certain of the proposed subsurface delineation sampling activities proposed for the Mill Street Area. GE mobilized to the Site on June 28, 2004 and collected the approved Mill Street subsurface delineation samples, as well as certain additional subsurface delineation samples included in GE's April 2, 2004 proposal. During its review of GE's proposals for the soil boring program, EPA expressed concerns that GE's proposals attempted to delineate areas containing PCBs in excess of the Site SCLs in

increments that were considered too small, which would result in the collection of more data than EPA would deem necessary for the performance of the Remedial Design, and which might delay completion of the pre-design investigation. In a July 16, 2004 letter, EPA granted approval for GE to conduct the Elm Street subsurface delineation sampling as proposed, provided that the pre-design investigation would be completed on schedule. GE subsequently performed the approved subsurface delineation soil sampling activities between July 19 and August 26, 2004. Subsequent to completion of the pre-design investigation, EPA and GE have agreed that the investigation program resulted in the collection of sufficient data to proceed with the remedial design. Appendix A contains copies of all of the above-referenced correspondence between GE and EPA. It should be noted that the figures attached to the March 17, 2004 submittal from GE to EPA were continually updated throughout the course of the pre-design investigations. In fact, some of those figures were revised and included in the April 2 and 12, 2004 submittals from GE to EPA, which were subsequently revised as data were received throughout the pre-design investigations. As a result, the figures attached to those original submittals are not included in Appendix A since they no longer exist in their original form.

In addition to the correspondence described above, weekly status meetings were conducted during the performance of the pre-design investigations documented herein. Following each of these meetings, GE prepared and distributed detailed meeting minutes which documented, among other things, any minor modifications (i.e., relocation of sampling locations due to refusal, insufficient sample recovery, etc.) to the pre-design investigation activities, as agreed upon by GE and EPA during those meetings. Copies of the meeting minutes for all of the weekly status meetings conducted during the performance of the pre-design investigations are provided in Appendix B.

4.4 Site Preparation Activities

Site preparation was preformed as part of the Phase 1 investigation activities performed between May 16 and August 15, 2003, and included clearing of the Elm Street and Mill Street Areas, mobilization and placement of temporary office and equipment trailers along with the necessary utilities, and establishment of site security measures.

4.4.1 Site Clearing and Erosion Control Measures

Site clearing activities were conducted by manual removal of above-grade portions of trees, brush, and other vegetation present on the Elm Street and Mill Street Areas. Brush and vegetative debris was chipped and/or

shredded on-site. The residual wood chips were collected and removed from the Site for disposal as yard waste. In addition, all non-vegetative debris was consolidated on-site for waste characterization and subsequent off-site disposal.

As part of the Phase 1 site work at the Elm Street Area, erosion control measures were installed consisting of silt fence and hay bales installed on the upland slope along the river boundary as well as placement of hay bales on the uphill sides at select locations to divert runoff from entering disturbed areas. At the Mill Street Area, erosion control measures consisted of hay bales installed at select locations to divert runoff from entering or leaving disturbed areas. Prior to the initiation of Phase 2 site work, additional erosion control measures were installed at the Mill Street Area, consisting of silt fence and hay bales along the eastern side of the drainage ditch on the adjacent Draper Fuel Company property located west of the Site.

4.4.2 Debris/Waste Removal

GE performed debris and waste consolidation/removal activities on four separate occasions leading up to and during the pre-design investigation activities documented herein. Such activities included the consolidation and off-site disposal of debris associated with the former coal transfer building on the Draper Fuel Company parcel adjacent to the Mill Street Site in February 2002 and consolidation and off-site disposal of investigation-derived waste (IDW) generated by both EPA and GE contractors. Additional details regarding these activities are provided below.

As previously documented in Section 2.2.2, following a fire at the coal transfer building in October 2001, the property owner arranged for the removal and disposal of the fire-related debris. Following this work, GE voluntarily arranged to collect five samples for analysis of PCBs from two residual coal piles left at the Site and to arrange for the subsequent removal and off-site disposal of the coal piles. The analytical data for the samples were provided to EPA in the October 2001 Monthly Report for the Site and are included in Appendix C for ease of reference. All of the samples contained PCBs at concentration less than 5 ppm. As a result, the residual coal was handled as non-hazardous material. GE subsequently arranged for the removal and off-site disposal of approximately 230 tons of residual coal. Specifically, Leighton A. White, Inc., under subcontract to BBL, loaded the residual coal piles onto eight trucks for transportation and ultimate disposal at Chemical Waste Management's High Acres disposal facility located in Fairport, New York. A copy of the manifests for each truck transporting the residual coal material to the High Acres disposal facility is included in Appendix C.

As part of the Phase 1 pre-design investigation activities, approximately 95 drums of IDW generated during EPA's 1993 RI and/or EPA's 2000 building demolition activities at the Elm Street Area and miscellaneous other waste materials left over from the Fletcher's Paint Works operations (e.g., wood pallets, signage, scrap metal, light ballasts, etc.) were sampled for waste characterization. Upon receipt of the analyses for those waste characterization samples, the solid waste materials were consolidated into two roll-off containers and were sent off-site for disposal between July 23 and 24, 2003, along with five drums of liquids and one drum containing light ballasts. EPA personnel were on-site to review the waste profiles, observe the waste consolidation activities, and sign the waste manifests as the generator. Copies of the manifests for the roll-off containers and drums of IDW are provided in Appendix C. Additional IDW consolidations and disposal activities were performed following completion of the pre-design activities during which such IDW was generated. These activities are further discussed in Section 5.2.

4.4.3 Support Zone Preparation

Given that investigation and remediation activities are likely to occur across the entire footprint of both the Elm Street and Mill Street Areas, the selected location for the project office and equipment trailer(s) was at Keyes Field. The exact location of the project office and equipment trailer(s) was determined during site preparation activities through discussion with the Town of Milford and identification of the location of the required utilities. New utility connections were established for electricity and telephone service, which were tied into the Site office trailer. In addition, portable sanitary facilities were mobilized and maintained in the support zone. Following completion of the pre-design investigations documented herein, the office and equipment trailers and related appurtenances were replaced/demobilized, as further discussed in Section 5.3.

4.4.4 Establishment of Site Security Measures

Site security measures were employed during the pre-design investigations in accordance with the April 2002 Institutional Controls and Access Restriction Plan, Section 2.3.1 – Institutional Controls/Access Restrictions during Pre-Design and Design Phases. Specifically, GE maintained appropriate fencing and signage throughout the course of the pre-design investigation activities. In addition, GE procured the access agreements necessary to perform the pre-design investigations at the Site and on adjacent properties.

4.5 Phase 1 Pre-Design Investigation Activities

As noted in Section 4.3, EPA commented on the Phase 1 investigation activities in a May 1, 2003 letter. GE responded to these comments in a May 14, 2003 letter and EPA agreed to these responses and approved the Phase 1 activities in a May 15, 2003 letter (see Appendix A). The Phase 1 investigation activities were subsequently performed between May 16 and August 15, 2003. Although certain data from these investigations have already been provided to EPA, all data from the completed Phase 1 investigation activities are presented herein.

The Phase 1 pre-design investigation activities consisted of preliminary Site-related activities to survey certain baseline information to be used in the remedial design and included the following:

- Baseline Site Information
  - Site Survey - to survey physical features of the Site.
  - Geophysical Survey - to obtain information on buried objects and other subsurface features.
  - Tank Characterization Plan - to characterize the USTs at the Elm Street Area.
  - Traffic and Road Survey - to assess road and rail traffic in the area.
  - Monitoring Well Survey - to determine the condition of existing monitoring wells.

- Baseline Environmental Conditions
  - Groundwater Elevation Monitoring – to establish seasonal low groundwater elevation at the Elm Street Area and the depth to groundwater at the Mill Street Area.

With the exception of the traffic survey (which had been partially satisfied with traffic count information provided by the Town of Milford and New Hampshire Department of Transportation [NHDOT]), all of these activities were completed by August 15, 2003.

Finally, photographic documentation was collected throughout the performance of the pre-design investigations documented herein. Specifically, photographs of existing site conditions were taken during the Phase 1 pre-design investigation activities. Additional photographs were collected throughout the performance of the Phase 2 pre-design investigation activities. Representative site photographs from the Phase 1 and Phase 2 pre-design investigations are provided in Appendix D. Establishment of baseline structural conditions for abutting properties and facilities will be addressed in the Remedial Design, while structural monitoring will be deferred until the

Remedial Action phase of the project. Additional details regarding each of the miscellaneous surveys and establishment of baseline environmental conditions are provided below.

4.5.1 Site Survey

Data Needs: The PD Work Plan indicated that a current site survey is essential for both the Phase 2 investigations and the RD/RA activities. Required survey information included property lines/boundaries, physical features in and around the Site (including proposed locations for off-site groundwater monitoring wells), site topography, floodplain delineation, the location and alignment of underground utilities located within and adjacent to the Site, and the location of existing monitoring wells.

Activities Performed: Meridian Land Services, Inc. (Meridian), a New Hampshire licensed land surveyor under subcontract to BBL, performed the site survey activities. The results of that site survey were incorporated into each of the figures presented in this document. In addition to the site survey, Meridian also performed structural stability analysis for the retaining walls at the Elm Street Area to determine the need for any fixed structural supports necessary to maintain the integrity of these walls prior to the initiation of pre-design investigation activities.

Outcome: Each of the Site features specified for this activity has been successfully identified. However, during the performance of the site survey, Meridian identified two locations at the Elm Street Area where conflicting information for the property lines between the Elm Street parcel and adjacent Town of Milford owned properties was documented (i.e. the cemetery and Keyes Park). This potential data gap is further discussed in Section 6.2. In addition, Figures 2 and 3 present each of the specified features (i.e., property lines/boundaries, physical features, site topography, floodplain, location and alignment of underground utilities and location of existing [at that time] monitoring wells).

With respect to the structural stability of the retaining walls at the Elm Street Area, Meridian's evaluation indicated that performance of the pre-design investigations activities (specifically installation of the proposed soil borings) would not adversely impact the structural stability of the retaining walls. Additional details regarding this evaluation are provided in Meridian's report, which is included in Appendix E. A further evaluation of the potential impact associated with implementation of the Remedial Action on these retaining walls will be incorporated into the Remedial Design.

4.5.2 Geophysical Survey

Data Needs: Historical information for the Elm Street Area indicates that the property was subject to a variety of land uses over the last 200 years, including use as the Town Dump. As a result, a geophysical survey was conducted to address uncertainties regarding the nature and composition of buried materials, which could have a dramatic effect on implementation of EPA remedy. Also, the location and alignment of the three remaining USTs at the Elm Street Area were established. With respect to the Mill Street Area, the geophysical survey was performed to look for potential buried objects potentially present due to the Site's historic storage operations. Finally, the locations of underground utilities were verified.

Activities Performed: A non-invasive geophysical survey was conducted at both the Elm Street Area and the Mill Street Area between July 29 and August 14, 2003 using a combination of geophysical techniques, including electromagnetic (EM) methods and ground penetrating radar (GPR). The survey aided in the delineation of buried objects and other subsurface features, including the locations of the USTs at the Elm Street Area and the location of underground utilities, including, but not limited to, former floor drains, piping, former septic systems and French drains. The geophysical methods included a combination of an EM-31/-61 survey to delineate subsurface materials associated with fill areas, USTs, and buried utilities, and a GPR survey to provide confirmatory radar images of the features identified by the EM-31/-61 survey. This two-method approach provided the information necessary to determine the presence or absence of metallic materials and the location and alignment of underground utilities. Descriptions of the methods are provided below.

The EM-31 collects measurements to evaluate apparent ground conductivity and metallic material distribution. The data collected during the survey were used to evaluate the distribution of fill materials (both metallic and non-metallic) and areas of elevated ground conductivity due to historical dumping at the sites. The EM-31 data was collected using the vertical dipole orientation with both quadrature (apparent conductivity) and in-phase (metal sensitivity) modes. The EM-31 used a fixed intercoil spacing of 3.7 meters (12.1 feet) to provide an exploration depth of approximately 16 feet, with vertical dipoles (standard operating position).

The EM-61 provides the ability to differentiate subsurface metallic objects with minimal interference from surface features (i.e., buildings, power lines, and fences). The operation of this instrument is based on the emission, or pulse, of a time-varying magnetic field generated from an alternating current at the transmitter. After each pulse, secondary electromagnetic fields are induced briefly into the earth, and for a longer time in metallic targets.

Between each pulse, the EM-61 pauses until the response from the earth dissipates and then measures the prolonged response received from buried metallic objects.

The investigation areas at the Elm Street and Mill Street Areas were surveyed and EM measurements were collected using a continuous, distance-based (wheel-mode) data collection setting providing data collection at 0.6-foot intervals (with 5-foot line spacing), with the data automatically stored in a data logger. The EM-31/-61 survey data collected during these Phase 1 investigations allowed the preparation of contour maps of the investigation areas, identifying the locations of potential fill areas and USTs for confirmation using GPR (Appendix F).

The GPR survey was performed using a Subsurface Interfacing Radar (SIR) System-2000, manufactured by Geophysical Survey Systems, Inc. (GSSI). The GPR system transmits high frequency electromagnetic waves into the ground and detects the energy reflected back to the surface. Energy is reflected along subsurface interfaces that possess different electrical properties. Reflections typically occur at lithologic contacts or at changes in subsurface materials having high electrical contrasts, including metal objects such as USTs, drums, and utility pipes. These reflections are detected by the antenna and processed into an electrical signal, which can be used to image the subsurface feature. The GPR survey concentrated on the anomalous areas identified by the EM-31/-61 and was used to evaluate the nature of the fill materials. The GPR survey also provided confirmation of the presence of the three remaining USTs by radar imaging the subsurface features.

The GPR survey was conducted using a line spacing of 2.5 feet for point targets (e.g., potential USTs) and 10 feet for linear targets (e.g., buried pipes). The instrument was operated in a continuous data collection mode along each transect. Two antennae were utilized for this survey, including a 200 megahertz (mHz) antenna for deeper targets up to 20 feet, and a 400 mHz antenna for shallower targets up to 10 feet. These two antennae were used interchangeably in the field based on depth requirements, observed resolution, and site conditions.

Outcome: The EM-31 survey data were interpreted using contour maps of the apparent conductivity and in-phase responses. Areas of high EM measurements of both apparent conductivity and in-phase responses in the survey area were used to identify anomalies. The EM-31 survey results at the Elm Street Area are represented on Figures F-1 and F-2 (Appendix F), which depict the apparent conductivity and in-phase responses, respectively. The EM-31 survey results at the Mill Street Area are represented on Figures F-3 and F-4, for the apparent conductivity and in-phase responses. The anomalies identified at each site are summarized below.

At the Elm Street Area apparent conductivity anomalies were identified in the vicinity of the following locations:

- Grid locations E/G-03 to E/G-05;
- Grid locations J/K-08 to J/K-09;
- Grid locations O/P-15; and
- Grid location P-12 (six empty drums at surface).

In-phase anomalies were identified in the vicinity of the following locations:

- Grid locations E/G-04 (near MW-04A, B, C);
- Grid locations J/K07 to J/K08 (near MW-03A, B);
- Grid location P-12 (six empty drums at surface);
- Grid locations M-12 and N-14 (buried USTs); and
- Grid locations O/P-15, near Q/R-16, and P-17 (suspected utilities).

At the Mill Street Area apparent conductivity anomalies were identified in the vicinity of the following locations:

- Grid locations G-2 to F-3 (buried culverts); and
- Grid location E-14.

In-phase anomalies were identified in the vicinity of the following locations:

- Grid locations G-2 to F-3 (buried culverts);
- Grid location E-6; and
- Grid location E-14.

The EM-61 survey data were interpreted using contour maps of the channel 3 response (near surface metal) and the differential response (metal at depth). The EM-61 survey results at the Elm Street Site are represented by Figures F-5 and F-6 (channel 3 and differential response, respectively). The EM-61 survey results at the Mill Street Site are represented by Figures F-7 and F-8 (channel 3 and differential response, respectively). The anomalies identified at each site are summarized below.

At the Elm Street Area, differential response anomalies were identified in the vicinity of the following locations:

- Grid location M-08;
- Grid locations E/G-03 to E/G-05/MW-04A, B, C;
- Grid locations J/K-08 to J/K-09/MW-03;
- Grid location O-18; and
- Grid location Q-12.

Also, the USTs near grid locations M-12 and N-14 were delineated by the EM-61, along with suspected utilities in the vicinity of grid locations O/P-15, P-17, and Q/R-16. The anomalies identified by the channel 3 response are similar to the anomalies identified by the differential response, with a larger response due to near surface metal.

At the Mill Street Area, differential response anomalies were identified in the vicinity of the following locations:

- Grid locations D-8 to D-9;
- Grid location D-14;
- Grid locations E-3 to G-2 (culvert);
- Grid location E-6; and
- Grid location E-12.

The anomalies identified by the channel 3 response at the Mill Street Area are similar to the anomalies identified by the differential response, with a slightly larger response due to near surface metal at the Culvert (E-3 to G-2), and near grid locations D-16 and F-8.

The GPR survey concentrated on the anomalous areas identified by the EM-31/-61 and was used to evaluate the nature of the fill materials in these areas. The GPR survey also provided confirmation of the presence of the three remaining USTs by radar imaging the subsurface features. The GPR profiles for the Elm Street and Mill Street Areas are included in Appendix F. At the Elm Street Site, GPR profiles were completed at the following locations:

- Area between grid locations K-8 and I-7;
- USTs near grid locations M-12 and N-14;
- Near grid location M-08;

- Grid locations E/G-03 to E/G-05(MW-04A, B, C);
- Near grid locations J/K-08 to J/K-09(MW-03);
- Near grid location O-18; and,
- Near grid location Q-12.

Also, suspected utilities were investigated using GPR at the following locations: near P-12, R-14 to R-16, and O-10 to O-12. The GPR results confirmed the location of three USTs detected by the EM survey. The GPR survey also confirmed the locations of fill areas containing metal debris in the area of grid locations J/K-08, and shallow metal/debris between grid locations E-4 to G-5. Potential utility pipes were detected near Grid locations R-16 (storm drain), P-12 (storm drain), P-15 (waterline), and L-18 (culvert pipe).

At the Mill Street site GPR profiles were performed at the following locations:

- Grid locations G-1 to F/G-3;
- Grid locations F-2 to F-4;
- Grid locations D-5 to D-7; and,
- Grid locations E-14 to E-15.

The GPR profiles identified the culvert pipe present between grid locations G-1 to F/G-3, fill debris between grid locations F-2 to F-4, and subsurface metal debris/railroad ties between grid locations D-5 to D-7.

4.5.3 UST Characterization

Data Needs: The SOW (as modified by EPA) included a requirement that GE determine the location, status, and contents of the three remaining USTs at the Elm Street Area

Activities Performed: The findings from the site and geophysical survey activities described above were used to determine the location and alignment of the USTs. Once the USTs were located, they were uncovered and inspected to determine their physical conditions (e.g., obvious structural integrity issues).

After the USTs were located, the following procedures were conducted to identify and characterize the contents of each tank.

- Excavation to the top of each tank at the mid-point or one end to locate access ports (e.g., fill/vent/piping ports, man-way). Excavation activities were conducted in 6- to 12-inch intervals until the top of the tank was exposed. Each interval was first advanced by shovel or other non-sparking manual excavation tool. After the top of the tank was exposed at one location, a backhoe was used to remove overburden material to a depth approximately 6 inches above the top of the UST. Proper excavation safety procedures were used and the overburden materials were temporarily stockpiled adjacent to the excavation. These materials were used to fill the excavation after characterizing the UST.

- Each UST was accessed through a piping port or, for the storm water collection UST, through a grated inlet. During this step, all potential sources of ignition were extinguished and the appropriate health and safety equipment were used to monitor the work area for vapors.

- Measurements were made to identify the dimensions of each UST and the presence and thickness of any contents remaining in the USTs. Such measurements were made using a measuring stick with water-reactive paste. These measurements were used, in conjunction with the data obtained from the site and geophysical surveys, to determine the size of each UST and the volume of residual(s).

- Where appropriate, samples were collected from the USTs by field personnel for waste characterization of the UST contents.

- Waste characterization samples were visually examined to preliminarily identify the contents of each UST (e.g., mostly water with a trace amount of floating product).

- Following sample collection, the USTs sample ports were closed or, in the case of the storm water retention UST, the grated inlet was covered to prevent further soil accumulation within the UST, and the excavations were backfilled.

Outcome: The results of UST characterization activities were presented in the August 2003 Monthly Report. Specifically, the locations of the three USTs were surveyed and the USTs were identified as M-12, M14-N, and M14-S based on their relative location to the sample grid placed on the Elm Street Area. Based upon the UST characterization activities specified above, the following observations were made regarding each UST:

- UST M12: This UST was used for stormwater control/retention. The UST has a grate inlet in the center of the tank and measured approximately 3 to 3.5 feet in diameter. The UST was full of water with soft sediment layer on bottom. Water and sediment samples were collected from this UST.

- UST M14-N: This UST has dimensions measuring approximately 15 feet long by 5 feet wide. Approximately two inches of liquid with a strong odor were present in the UST, consisting of a very thin water layer under product. A sample was collected from product layer.

- UST M14-S: This UST has similar dimensions to M14-N and also had a film/sheen on bottom of UST, exhibiting a similar odor as the contents of M14-N. However, there was an insufficient volume of liquid to collect a sample.

The analytical data for these samples were presented in the September 2003 Monthly Report and are summarized in Table 3.

4.5.4 Traffic and Road Survey

Data Needs: The SOW requires that efforts be undertaken to limit the impact of excavation activities to the flow of traffic on Elm Street and to limit interference with the railroad operations adjacent to the Mill Street Area. GE has compiled information on traffic patterns in the areas near the Site, including characterization of the volume (vehicles per hour), frequency (peak usage), and type of traffic in these areas.

Activities Performed: Table 4 presents information provided by representatives from the Town of Milford and the NHDOT on local and regional traffic in the vicinity of the Elm Street and Mill Street Areas. GE has also consulted with representatives from the Boston and Maine Railroad (B&M) to identify the usage of the rail line adjacent to the Mill Street Area.

Outcome: GE has evaluated the available road and rail data. However, since the volume and characteristics of the road and rail traffic, traffic patterns, and/or height and weight restrictions may likely change in the time between collection of the data and implementation of the remedy for the Site, an additional site-specific traffic survey will be performed during the Remedial Design. Additional information regarding such a traffic survey is provided in Section 6.3.

4.5.5 Monitoring Well Survey

Data Needs: Many of the existing groundwater monitoring wells in and around the Elm Street and Mill Street Areas can be used to assist with the design of the Site remedy and as part of the monitoring well network to be used for monitoring the Groundwater Monitoring Zone (GMZ) that will be established for the Site in accordance with the requirements of the WMP. However, to determine the suitability of these wells for such use, a monitoring well survey was performed to assess the location and condition of the existing groundwater monitoring wells, evaluate the usefulness of existing monitoring wells, and then determine whether any actions are necessary for the wells (e.g., repair/retrofit, replacement, and/or abandonment).

Activities Performed: In conjunction with the site survey activities described above, existing groundwater monitoring wells were physically located and surveyed by BBL personnel. Once located and identified, the condition of each monitoring well was assessed. The scope of this activity covered on-site monitoring wells, as well as nearby off-site monitoring wells, including those at the adjacent gasoline service stations on Elm Street. Access agreements with private property owners for all off-site wells (MW-08A, MW-08B, MW-10A, MW-10B, MW-11A, and MW-11B) were secured prior to mobilizing to the Site on December 1, 2003.

Once the existing wells were located, field personnel carefully evaluated the condition of each monitoring well utilizing the procedures presented in Appendix T of the FSP (Monitoring Well Inventory Procedures). These evaluations included the exterior features of the monitoring well, including the physical condition of the protective casing and cover, visible portion of the inside of the well, well cap, lock, concrete surface seal, and other materials of construction. This inspection also included an internal inspection including visible plumbness, static water level, water turbidity (grab sample using bottom-loading bailer), and bottom sediment thickness (if any). A grab sample was collected from the water column to check for the presence of any non-aqueous phase material in all monitoring wells inspected during the monitoring well survey activities. No analytical sampling occurred during the Phase 1 investigation activities. GE presented the results of this monitoring well survey in a letter to EPA dated November 6, 2003.

Outcome: The letter detailing the results of the monitoring well survey is included in Appendix G and briefly summarized below:

- BBL personnel were able to locate 27 of the 32 existing monitoring wells previously installed in and around the Site. The results of the monitoring well survey indicated that 26 of the 32 existing (at that time) monitoring

wells proposed in the PD Work Plan and WMP for inclusion in the monitoring well network for the Site were available for that purpose.

- BBL performed an evaluation of the need to replace the six missing/obstructed wells. This evaluation included a review of the boring logs to identify well construction information (e.g., total depth, screened intervals), a review of historic groundwater sample data, and the location of these wells relative to other existing and proposed monitoring wells in the monitoring well network. Based on that evaluation, and as recommended in the November 6, 2003 letter monitoring wells MW-02A and MW-05B were replaced as part of the Phase 2 pre-design investigation activities.

- In addition to the replacement of monitoring wells MW-02A and MW-05B, certain maintenance and/or repair activities were performed for the wells installed by EPA (e.g. sediment removal [where present], installation of new locks, replacement of caps/j-plugs where necessary, etc.).

4.5.6 Background Surface Soil Sampling

Data Needs: The ROD specified certain cleanup levels for select polycyclic aromatic hydrocarbons and arsenic in surface soils at the Site. Those cleanup levels are specified in Section 3.3.1. On March 20, 2001, EPA issued an ESD allowing potential modifications to the SCLs for arsenic and other constituents in surface soils with "very low cleanup levels, such as…benzo(a)pyrene." Specifically, the ESD included the following language:

> *"If a cleanup value described in the ROD, is not capable of being detected with good precision and accuracy or is below background values, then either the practical quantification limit (PQL) or a background value will be used, as appropriate, for the soil cleanup level."*

Based on the limited surface soil sampling data provided in EPA's RI, in combination with strict interpretation of the SCLs for arsenic and select PAHs (see Section 3.3.1), the potential scope and magnitude of the surface soil excavation would likely extend well beyond the limits of the Site and include non-site-related materials. This suggests that the SCLs established by EPA for these constituents exceed background concentrations, thus resulting in unnecessary excavation. As a result, the draft PD Work Plan included a proposal to perform supplemental background surface soil sampling activities to determine the background concentrations of such constituents in the vicinity of the Site.

Activities Performed: GE's concern regarding the ROD-specified SCLs for the select PAHs and arsenic was recognized and addressed in the ESD, with further clarification provided in a May 7, 2002 conference call between GE and EPA representatives. In addition, EPA submitted a letter to the New Hampshire Department of Heath and Human Services (NHDHHS) on June 4, 2002 requesting a modification to the SCL for arsenic to 11 ppm based on state-wide background concentrations. NHDHHS provided a letter confirming such a modification on July 22, 2002 (copy provided in Attachment A). The ESD and May 7, 2002 conference call were referenced in EPA's May 1, 2003 comment letter where EPA recognized that GE will not be required to excavate surface soils containing PAHs that exceed the ROD-based cleanup levels beyond the point where PCB concentrations meet the ROD-based cleanup level of 1 ppm in surface soils. This was further clarified by EPA in a May 13, 2003 conference call where EPA indicated that GE will not be required to excavate surface soils containing arsenic that exceed the ROD-based cleanup levels beyond the point where PCB concentrations meet the ROD-based cleanup level of 1 ppm in surface soils.

Outcome: Based on these clarifications, no background sampling for arsenic and PAHs was conducted during the pre-design investigations.

4.5.7 Baseline Groundwater Elevation Monitoring

Data Needs: Groundwater elevation data are necessary for several reasons. At the Elm Street Area, groundwater elevation data are necessary to identify the "seasonal low" groundwater elevation which will be used to determine the maximum vertical extent of soil excavation. The UAO requires excavation of subsurface soils containing PCB concentrations greater than 100 ppm to the seasonal low water table elevation at the Elm Street Area. To meet this requirement, it was necessary to determine the "seasonal low" groundwater elevation.

At the Mill Street Area (and possibly the Elm Street Area), groundwater elevation data are necessary because the vertical limits of the excavation will likely extend below the water table, which would then require dewatering. Specifically, the UAO requires excavation of subsurface soils containing PCBs at concentrations greater than 1 ppm to bedrock at the Mill Street Area (estimated at approximately 20 feet below grade). As a result, it was necessary to determine the depth of the water table, which will be used to support the design of excavation support systems (e.g., sheet piling), dewatering controls and a groundwater treatment system for use during dewatering activities.
Activities Performed: An initial round of groundwater elevation measurements was collected from the existing monitoring wells located in and around the Site during the Phase 1 investigation activities. Those measurements

were collected as part of the monitoring well survey activities described in Section 4.5.5. Water level measurement activities were implemented in accordance with procedures specified in Appendix L of the FSP (Water Level/Oil Thickness Measurement Procedures). As part of the groundwater elevation monitoring activities, GE obtained local precipitation data from the National Climatic Data Center. Also, water level records were obtained from a regional well maintained by the United States Geological Survey (USGS). These data were be used to evaluate seasonal groundwater elevation trends on a regional basis and are included in Table 5 and Figures 4A through 4I, as further discussed below.

The initial round of groundwater elevation measurements specified above was performed on July 22 and 23, 2003. That initial round of measurements was performed at the following wells located in and around the Site:

- Elm Street Area - MW-01A, MW-01B, MW-02B, MW-03A, MW-03B, MW-04A, MW-04B, MW-04C, and MW-18B.
- Mill Street Area - MW-07A, MW-09A, MW-09B, and MW-21C.
- Off-Site Wells - Gulf-01, Gulf-02, Gulf-03, Gulf-04, Mobil-02, Mobil-04, MW-05A, MW-08A, MW-08B, MW-10A, MW-10B, MW-11A, and MW-11B.

As further discussed in Section 4.6.3, the Phase 2 pre-design investigation activities included the installation of two replacement monitoring wells and 19 new groundwater monitoring wells. Specifically, the following wells were installed as part of the Phase 2 pre-design investigation activities:

- Elm Street Area - MW-02AR, MW-26A, MW-26B, MW-27A, MW-27B, MW-28A, MW-28B, and MW-29B.
- Mill Street Area - MW-22A, MW-22B, and MW-22C.
- Off-Site Wells - MW-05BR, MW-10C, MW-23A, MW-23B, MW-23C, MW-24A, MW-24B, MW-24C, MW-25B, and MW-25C.

In addition to the above-listed wells, the PD Work Plan proposed the installation of a staff gauge in the Souhegan River adjacent to the Elm Street Area. The purpose of collecting monthly surface water elevation measurements was to determine the relationship between the surface elevation of the river and the elevation of the groundwater table at the Elm Street Area. As documented in the minutes for the February 12, 2004 weekly status meeting (Appendix B), EPA approved GE's request to delay the installation of the proposed staff gauge until later that spring when the riverbank was more accessible and the winter weather conditions had passed. The proposed staff gauge was subsequently installed the week of April 19, 2004. In addition, a second staff gauge was installed the week of April

26, 2004, as a precautionary measure in the event that the first gauge should become displaced or damaged. These activities were documented in the minutes for the applicable weekly status meetings. The first staff gauge was lost/destroyed at some point between the second and third monitoring events. As a result, elevation measurements were collected from only the second staff gauge starting with the third monitoring event.

With respect to the groundwater elevation monitoring activities, Section 4.4.2.2 of the November 2003 PD Work Plan indicated that water level measurements would be collected on a monthly basis for a period of twelve months following installation of the monitoring wells proposed therein. Upon installation, well development and specific capacity testing was performed at each of the newly installed wells. The first round of monthly groundwater elevation monitoring events was performed as part of the well development and specific capacity testing activities between January and February 2004.

As of the date of this PD Report, GE has completed 11 of the 12 rounds of monthly elevation monitoring for the Site. The twelfth round of elevation monitoring will be performed in January 2005 and the data for that monitoring event will be included in the January 2005 Monthly Report, as further discussed in Section 6.3. Starting with the third round of monthly elevation monitoring (performed in April 2004), the measurement data for these events were included in the Monthly Reports presented to EPA and New Hampshire Department of Environmental Services (NHDES). Nevertheless, the elevation monitoring data compiled to date for the Site are also presented in Table 5.

Outcome: As discussed above, 11 rounds of water elevation monitoring have been completed to date, with the twelfth and final round of monthly elevation monitoring to be performed in January 2005. The monthly water elevation monitoring data are presented in Table 5, along with water elevation data from the USGS background well. These data were used to develop hydrographs for nine wells located at the Elm Street Area (MW-01B, MW-02B, MW-03B, MW-04B, MW-18B, MW-26B, MW-27B, MW-28B, MW-29B), which are presented on Figures 4A through 4I. The hydrographs for each well plot three pieces of information, including: the monthly groundwater elevation data for each well, the monthly staff gauge elevation monitoring data, and precipitation data. In addition, GE collected regional groundwater elevation and precipitation data. Regional groundwater data were collected from USGS well NH-NAW 218 located in Nashua NH, approximately 8.3 miles from the Site. Regional precipitation data were measured at the National Climate Data Center Nashua 2 NHW station, located approximately 9.4 miles from the Site. The regional groundwater elevation and precipitation data are plotted on Figure 5.
Although the final round of monthly elevation monitoring remains to be completed, it appears that sufficient data have been collected to determine the seasonal low groundwater table for the Elm Street Area and to support the design of excavation support systems (e.g., sheet piling), dewatering controls and a groundwater treatment system

for use during dewatering activities at the Mill Street Area. Specifically, the seasonal low groundwater elevation appears to occur during the month of September based on the data provided in Table 5. The September 14, 2004 groundwater elevation data for the Elm Street Area are presented on Figure 5. The monthly elevation monitoring data are also presented on the figures presenting cross-sectional information for the Elm Street and Mill Street Areas, as further discussed in 4.6.1 below.

4.6 Phase 2 Pre-Design Investigation Activities

As noted in Section 4.3, GE initiated Phase 2 pre-design investigation activities on November 7, 2003, as directed by EPA in its letter dated October 24, 2003. That letter indicated that EPA's final comments would be provided in a forthcoming letter (subsequently received on November 5, 2003) and required GE to provide a revised Phase 2 schedule and final PD Work Plan. GE submitted the revised Phase 2 schedule and final PD Work Plan and affiliated plans on November 17 and 26, 2003, respectively.

The Phase 2 pre-design investigation activities consisted of subsurface investigation activities proposed to collect data used to assist with the definition of the limits of soil subject to remedial actions and with the design of other key remedial components (e.g., excavation controls, dewatering and groundwater treatment system design, etc.), including the following:

- Soil Sampling - to delineate the limits of soil subject to remedial actions at the Site.
- Test Pit Excavations - to collect geophysical information for the Site, waste characterization samples for materials not amenable to thermal desorption, samples for thermal treatability testing, and samples for a potential soil column study.
- Monitoring Well Installation and Groundwater Monitoring - to collect miscellaneous information regarding baseline groundwater quality, water table elevations, hydraulic gradient/conductivity data, recharge/dewatering rates, the potential presence of non-aqueous phase liquids (NAPLs), and obtain samples for a potential soil column study.
- Soil Column Study - to identify a potential alternate SCL for subsurface soils at the Mill Street Area.
- Thermal Desorption Treatability Testing - to collect samples to assist with the design of the potential thermal desorption unit.
- Groundwater Treatability Testing - to collect samples to assist with the potential design of a groundwater treatment system for treatment of dewatered liquids during performance of the remedy for the Site.

With the exception of the soil column study (as further discussed in Section 4.6.4), the Phase 2 pre-design investigation activities were performed between November 7, 2003 and August 26, 2004 in accordance with the methodologies proposed in the PD Work Plan. However, the scope and methodologies for certain of those activities were modified on several occasions as documented in Section 4.3, Appendix A (correspondence between GE and EPA), and Appendix B (weekly project status meeting minutes). Additional details regarding these modifications are provided in each of the following sections, where appropriate. Finally, photographic documentation was collected throughout the performance of the pre-design investigations documented herein. Photographs were collected throughout the performance of the Phase 2 pre-design investigation activities and are provided in Appendix D.

4.6.1 Soil Sampling

The ROD remedy for the Site requires the excavation of Site soils to achieve EPA's specified SCLs at the Elm Street and Mill Street Areas. Therefore, the limits of surface and subsurface excavation are directly related to these SCLs. Thus, to design the excavations, a substantial soil sampling program was implemented at the Site to delineate the Elm Street and Mill Street Areas in accordance with these SCLs.

The data needs for soil sampling at both the Elm Street and Mill Street Areas are multi-purpose, including delineation sampling, physical testing for structural properties, treatability testing for design of the thermal treatment processes, waste characterization for off-site disposal of soils and debris, and soil sampling in connection with the potential performance of a soil column study (Mill Street Area only). Soil samples to address these data needs were obtained as part of the soil boring program described in this section (Section 4.6.1), as well as the test pit program and monitoring well program described in Sections 4.6.2 and 4.6.3.

4.6.1.1 Elm Street Area

Data Needs: The soils at the Elm Street Area required delineation in accordance with the SCLs summarized in Section 3.3.1. Sampling and analysis for PAHs and arsenic in surface soils was completed during the pre-design investigations. However, as previously stated in Section 4.5.6, soil containing these constituents at concentrations greater than those SCLs will only require excavation, followed by treatment or disposal, where they are co-located

with soil requiring excavation due to PCB concentrations that exceed the corresponding SCLs. Other data needs include physical characterization of soils with respect to structural and geotechnical properties and are further discussed in Section 4.6.3.

Activities Performed: To assist with delineation of the soils containing constituent concentrations greater than the SCLs specified in the ROD, a grid-based sampling approach was implemented at the Elm Street Area. This approach consisted of the collection of surface soil samples on a 25-foot grid, with subsurface soil samples collected at soil borings on a 50-foot grid. A review of the soil sample data collected by EPA during the RI indicated that the surface soils located on the interior of the Elm Street Area would likely require removal followed by thermal treatment or off-site disposal. As a result, the collection of surface (0- to 1-foot depth increment) soil samples was not proposed in the PD Work Plan at grid locations on the interior of the Elm Street Area.

Soil samples were collected using the sampling methods described in Appendix A of the FSP (Soil Boring Installation and Soil Sampling Procedures). Surface samples collected at grid sampling locations (i.e., not delineation locations) were analyzed for arsenic, select PAHs, and PCBs by Severn Trent Laboratories, Inc. (STL) in accordance with the analytical methods specified in the QAPP. The subsurface soil samples were analyzed for PCBs by STL in accordance with the analytical methods specified in the QAPP.

As documented in Section 2.2.1, EPA placed/augmented temporary cover materials (e.g., geotextile and sand/soil cover) at several locations during various removal actions at the Elm Street Area. Since these "clean" cover materials are segregated from the underlying Site soils by geotextile, samples of these materials were not collected for analysis. In the areas where these temporary cover materials were placed, the 0- to 1-foot surface soil sampling interval began at the depth of the geotextile installed by EPA, which is considered to represent the boundary between clean barrier soils and native Site soils.

Surface soil samples were collected using either a hand-driven macrocore sampler with a dedicated disposable acetate liner or using a tractor-mounted direct-push Power Probe with 2-foot macrocore samplers lined with dedicated disposable polyethylene liners. At each soil boring location, continuous soil samples were collected using a tractor-mounted direct-push Power Probe with 4-foot long macrocore samplers lined with dedicated disposable polyethylene liners. As proposed in the PD Work Plan, subsurface soil samples were collected in 2-foot depth increments at each location (e.g., 1- to 3-foot depth increment, 3- to 5-foot depth increment, etc.). Where applicable, the recorded sample intervals were adjusted to account for the temporary cap installed by EPA. Subsurface soil samples were collected to a depth of approximately 2 feet below the water table observed at each

grid sampling location proposed in the PD Work Plan, except where refusal was encountered (as further discussed below). The depth of the water table at each soil boring was determined in the field based on the observation of visibly saturated soil.

Based on the historical usage of the Elm Street Area, it was anticipated that refusal would be encountered at certain locations due to miscellaneous subsurface obstructions (e.g., boulders, rubble, debris, etc.). When refusal was encountered at a shallower than expected depth or insufficient material was recovered for sample collection, the boring was abandoned and relocated, typically within 5 feet of the proposed sample location. Occasionally, refusal and/or insufficient sample recovery was also observed at those alternate sampling locations, necessitating relocation of the soil boring some distance from the proposed grid location. In those instances, EPA was notified of the circumstances surrounding the boring(s) in question during weekly status meetings and alternate sample locations were proposed. All such modifications were documented in the minutes for those weekly status meetings (Appendix B).

Before initiating soil borings near the granite retaining wall for the cemetery adjacent to the Elm Street Area, the wall was inspected by a licensed civil engineer and photo documented to establish pre-investigation conditions. This evaluation was completed by Meridian and is provided as Appendix E. As a precautionary measure, field personnel only removed the portion of the soil berm necessary to perform the sample collection activities and immediately restored the soil berm following sample collection. Finally, field personnel continuously monitored the visible portions of the granite walls and the adjacent soil berm(s) for any signs of displacement during investigation activities. No such displacement was identified at any time throughout the sampling program.

The PD Work Plan indicated that delineation of the soils with PCB concentrations above the corresponding SCLs would be an iterative process. Specifically, that document indicated that the soil data for the initial grid-based samples proposed therein would provide the basis for subsequent rounds of delineation sampling utilizing the step-in/step-out logic diagram presented on Figure 6 of the PD Work Plan. Consistent with this approach, the soil analytical data from the initial round of grid-based soil sampling activities (which was essentially completed by February 26, 2004) was reviewed upon receipt from the analytical laboratory. Based on the data for that initial round of delineation sampling, a supplemental delineation sampling proposal was submitted to EPA on March 17, 2004 (Appendix A) and discussed during a meeting between representatives of EPA, USACE, NHDES, and GE on March 25, 2004. EPA provided conditional approval of the proposed supplemental surface soil and riverbank sampling activities on March 31, 2004. As indicated in Section 4.3, GE subsequently submitted revised sampling proposals on April 2, 2004 to address comments provided by EPA during the March 25 conference and on April 12,

2004 to address comments provided by EPA in its March 31 conditional approval letter. The approved supplemental samples were collected between April 13 and 30, 2004. EPA provided approval of the supplemental subsurface soil sampling activities in a letter dated July 16, 2004 and GE performed the approved sampling between July 19 and August 26, 2004.

Finally, the PD Work Plan proposed the collection of certain soil samples for physical properties analyses. Such activities included the collection of samples for analysis of porosity, bulk density, and total organic carbon (TOC) during performance of soil borings associated with the installation of the proposed monitoring wells (as discussed in Section 4.6.3). In addition to these activities, the PD Work Plan proposed the collection of undisturbed soil samples for analysis of physical/geotechnical parameters (i.e., soil classification, organic carbon content, porosity, bulk density, grain size, Atterberg limits, Proctor density, compressive strength, gradational analysis, specific gravity, and triaxial compression) using Shelby tubes. Since the subsurface soils observed at the Site were mostly free-flowing sands, soil sample collection using Shelby tubes was not practicable. However, given the relative homogeneity of the subsurface soils observed during the soil boring program at the Site (i.e. mostly free-flowing sands), the physical/geotechnical data collected during the test pitting activities and monitoring well installation activities (as described in Sections 4.6.2 and 4.6.3, respectively), combined with the information documented in the field notes and boring logs, were considered sufficient at this time to assist with the design of excavation controls or potential use during the performance of the remedy for the Site.

Outcome: Section 4.5.1.1 of the PD Work Plan indicated that the primary objective of the pre-design soil sampling activities at the Elm Street Area included the collection of surface and subsurface soil sample data to assist with the delineation of soils containing PCBs at concentrations greater than the specified SCLs. An additional objective of the soil sampling activities involved the collection of information including physical and geotechnical data to assist with the design of excavation controls for use during implementation of the remedy for the Site.

With respect to the delineation of soils subject to remedial actions, the pre-design investigations performed at the Elm Street Area involved the collection of over 200 surface soil samples at 120 locations. Each of these samples was analyzed for PCBs. In addition, each of the samples proposed in the PD Work Plan was analyzed for select PAHs and arsenic. The surface soil PCB data are presented in Table 6 and on Figure 7A. The select PAH and arsenic surface sample data are presented on Table 7. Over 650 subsurface soil samples were collected from over 120 soil borings at the Elm Street Area during the pre-design investigations. Each of these samples was analyzed for PCBs only. The subsurface soil PCB data are presented in Table 8 and on Figure 7B. EPA personnel were present

during performance of some of the pre-design investigation activities and collected split-samples at certain locations. Table 13 presents a comparison of the pre-design investigation data and EPA's corresponding split-sample data.

As previously indicated, the PD Work Plan proposed the collection of subsurface soil samples to a depth of 2 feet below the observed water table at each soil boring. These samples were necessary since the remedy for the Elm Street Area requires the removal of all soils located above the seasonal low water table, which contain PCBs at concentrations in excess of the specified subsurface SCL. As discussed in Section 4.5.7, the seasonal low groundwater elevations at each monitoring well were observed during the September 2004 elevation monitoring event (Figure 6). The purpose of the groundwater elevation monitoring program proposed in the PD Work Plan was to determine the elevation of the seasonal low groundwater table at the Elm Street Area. Since the elevation of the seasonal low groundwater table was unknown at the time of the soil sampling program, subsurface samples were collected to a depth of 2 feet below the observed water table at each soil boring proposed in the PD Work Plan (i.e., not subsequent delineation soil borings) to ensure that sample data were collected to the seasonal low groundwater table. This was considered a conservative approach since the seasonal low groundwater table at any given soil boring was not expected to fluctuate by more than 2 feet.

To determine if the soil borings performed at each grid node were advanced to the seasonal low groundwater elevation in the vicinity of each soil boring, the bottom elevation for each soil boring was compared to the seasonal low groundwater elevation data presented on Figure 6. As indicated on that figure, certain soil borings including C02, K18, M10, O12, Q10, Q12, Q14, Q16, Q18, S12, S14, and S16 appear to have been terminated above the elevation of the seasonal low groundwater table. The groundwater elevation contours presented on Figure 6 are inferred and approximately evenly spaced between measured elevations at wells located throughout the property. For example, the measured groundwater elevation difference between MW-28B (248.04 feet above mean sea level [AMSL]), MW-27B (242.24 feet AMSL), and the line of wells consisting of MW-01B, MW-02AR, and MW29B (approximately 235 feet AMSL) is 6 to 7 feet. Based on these inferred groundwater contours soil borings C02, O12, Q18, S14, and S16 were terminated in close proximity to the seasonal low groundwater elevation. The soil sampling activities at the Elm Street Area and, more specifically, at these four locations were performed during periods of higher groundwater elevations (i.e., between December 2003 and February 2004). Those borings were terminated upon observation of saturated soils. In addition, a review of the soil sample data presented in Table 8 and on Figure 7B for each of these soil borings indicates that none of the soil samples collected from these locations contain PCBs at concentrations greater than the subsurface SCL of 100 ppm. Based on these data, GE is not proposing to attempt further sample collection at these locations to the observed elevation of saturated soils at each location.

Regarding the remainder of the soil borings in question (i.e., K18, M10, Q10, Q12, Q14, Q16, and S12), those borings were terminated at elevations several feet above the seasonal low groundwater table due to either observation of saturated soils, refusal, or insufficient sample recovery. Specifically, borings Q10, Q12, and S12 were each terminated upon observation of saturated soils. In instances where refusal or insufficient sample recovery was encountered (i.e., K18, M10, Q14, and Q16), at least three attempts were made to collect the proposed samples at each location (with the exception of K18 where refusal was encountered during attempted installation of monitoring well MW-02AR with a drill rig using hollow stem augers. That well was relocated to boring J18). A review of the soil sample data presented in Table 8 and on Figure 7B for each of those soil borings indicates that multiple samples collected from the depth increments overlying the elevation at which refusal/insufficient recovery was encountered contained PCBs at concentrations well below the subsurface SCL of 100 ppm, further indicating that the vertical extent of soils containing PCBs in excess of the subsurface SCL were delineated at each of the soil borings in question. Based on these data and the fact that additional attempts at sample collection would likely result in refusal or insufficient sample recovery (since multiple attempts were made at each soil boring location to collect samples to the elevation at which saturated soils were observed), GE is not proposing to attempt further sample collection at these locations to the observed elevation of saturated soils at each location.

The field notes for the soil boring activities were utilized to develop boring logs for over 40 locations at the Elm Street Area (Appendix H). These boring logs and the results of the soil sampling activities described above were utilized to develop five representative cross-sections presenting overburden geologic information and soil sample data for the Elm Street Area. Figure 8 presents the location of the overburden cross-section locations and Figures 9 through 11 present the five representative cross-sections developed for the Elm Street Area. The field notes and soil boring logs utilized to develop these cross-sections were also used to develop the following summary of the overburden and bedrock stratigraphy at the Elm Street Area.

The overburden stratigraphy at Elm Street Area consists mainly of sandy backfill and glacial outwash deposits, which are underlain by a weathered bedrock surface that may represent a lower glacial till unit and bedrock. Cross-sections A-A' through E-E' show the following features/geologic units:

- The sand and gravel cap placed by EPA at the Elm Street Area during various removal actions;
- Sand or silt fill which consists mainly of fine to medium sands or silty sands with trace amounts of fill materials (i.e., brick, concrete, glass, coal, angular gravel);
- Landfill debris which consists mainly of cinders, ash, and coal that may represent former municipal burn pit areas;

- Zones of cobbles, boulders, and/or rubble;
- The drum disposal area that contained evidence of the resin-like material found at EB-03A and EB-03B during EPA's 1993 RI;
- Lenses of organic-rich sand and silt that may represent migration of the former river channel;
- Native sandy soils that consist mainly of fine to medium sands with some coarse sand that may be characterized as glacial outwash deposits;
- Upper glacial till generally characterized by an olive or gray matrix.
- Weathered bedrock surface that may represent a lower glacial till; and
- Granitic or gneissic bedrock as defined in EPA's 1993 RI.

EPA placed caps over portions of the Elm Street Area during several of the removal actions documented in Section 2.2.1. At most soil boring locations advanced within the limits of this cap, the geotextile that was placed beneath the cap material was observed in the samples collected with the macrocore samplers. Otherwise, for locations where the geotextile was not observed, the cap thickness was estimated based on field observations. At the majority of the soil boring locations, this cap was observed to be approximately one foot in thickness. Specifically, the estimated cap thickness in areas where cap materials were observed to be greater than one foot are as follows: approximately 1.5 feet thick at locations EB-15SE, EB-15SW, I07, L08, and M17; approximately 2 feet thick at locations EB-15, M18S, O14, O18, Q12, Q12E, Q16N, and R12; approximately 4 feet thick at M16; approximately 5 feet thick at locations S13 and S18, and up to 6 feet thick along the cemetery wall at location P18.

Sand fill comprises much of the overburden throughout the Elm Street Area and mainly consists of fine to medium sands with trace amounts of fill materials such as brick, concrete, glass, coal, and angular gravel. This unit ranges from approximately 2.5 to 7 feet in thickness at the northwest corner of the Site to approximately 18 feet in thickness in the central portion of the Site to approximately 22 feet along the eastern portion of the property. The northwestern extent of the sandy backfill appears to be between C02 and E04 where the Site topography abruptly slopes to a low-lying area just beyond the Site fence line. Finally, discontinuous lenses of organic-rich silts and sandy silts were observed up to approximately 7 feet in thickness at soil boring location L18 and may represent the migration of river channel over time.

Landfill debris was observed mainly within the central portion of the Elm Street Area. The landfill debris was observed to be up to 14.5 feet thick at locations O14E. Landfill debris was observed at depths ranging from 1 to 21.5 feet below grade at soil boring locations 3-CS-S08-A, EB-15SW, K08, L12, L12SW, M10E, O12, O14, O14E, SB-15E, Q16N, and R16. In addition to the landfill debris, zones of cobbles, boulders or concrete and

brick/concrete rubble were observed at various depths throughout the Elm Street Area. These rubble or boulder/cobble zones were observed to be between approximately 2 and 4 feet in thickness at EO4, GO6, O10, and S20. Poor recovery and difficulty sampling at L15 and Q14 suggest a rubble zone up to 3.5 feet in thickness may be present at this location.

The resin-like material observed by EPA during the 1993 RI at soil boring locations EB-03A and EB-03B was also observed during the pre-design investigations at location EB-03BE. As further discussed in Section 4.6.2, this material is associated with drums located approximately 3 feet below grade that were uncovered in the vicinity of EB-03A during test pitting activities. Of the soil borings installed in the immediate vicinity of EB-03A, only EB-03BE exhibited any evidence of resin-like material. The remainder of the surrounding soil borings including EB-03BS, EB-03BN, I06, I07, I08, J07, K09, K10, SB-20, and SB-20S show no evidence of drums or resin-like materials. Based on this information, those borings represent the maximum lateral extent of the resinous materials and buried drums encountered in the vicinity of EB-03.

Although the primary focus of the soil sampling activities was associated with the horizontal and vertical delineation of soils containing PCBs at concentrations greater than the specified SCLs, four soil borings were advanced to the top of bedrock at the property as part of the monitoring well installation activities. Specifically, soil borings at locations J18, M14, S20, and T16 were each advanced to the top of bedrock for the purposes of installing deep overburden monitoring wells. A review of the field notes associated with these four soil borings provided additional information regarding the deep overburden and bedrock geology at these locations.

Specifically, the upper glacial till at soil borings S20 and T16 has an olive and gray matrix located above the lower glacial till at the southern edge of the Elm Street Area. This geologic unit measured from 9.5 to 16 feet in thickness at soil borings S20 (17 to 26.5 feet below grade) and T16 (18 to 34 feet below grade). Also, what appears to be the top of an upper glacial till unit was observed at the bottom of boring K18E from 21.6 to 24 feet below grade. A discontinuous zone of weathered bedrock or lower glacial till was observed at soil borings J18, M14, and S20. The weathered bedrock ranges from less than 1 foot in thickness at J18 (the northeast portion of the Elm Street Area) to 6.5 feet thick at soil boring S20 (in the south eastern portion of the Elm Street Area). Bedrock at the Elm Street Area consists of both Massabesic Gneiss and the Milford Granite as described in the EPA's 1993 RI. No bedrock cores were completed at the Elm Street Area as part of the pre-design investigations; however, the top of bedrock was observed at locations J18, M14, S20, and T16, providing additional information regarding the bedrock topography at the Elm Street Area.

To further evaluate bedrock geology at the Elm Street Area, current and historic bedrock elevation data were examined. The vertical datum used for the pre-design investigations was based on the National Geodetic Vertical Datum of NGVD 1988 and the 1993 EPA's 1993 RI elevation data were based on NGVD 1929. Historic bedrock elevations were converted from NGVD 1929 by applying a conversion factor of -0.68 feet. This conversion was calculated at 17 survey control points used in the pre-design investigation. The measured bedrock elevation at the four soil borings performed during the pre-design investigations are generally consistent with the bedrock elevations documented by EPA during the RI. In general, the bedrock elevation data indicated that the bedrock surface at the Elm Street Area slopes gently from southeast (232.3 feet AMSL at S20) to northwest (188.2 feet AMSL at EPA's 1993 RI soil boring location EB-05A).

In summary, the pre-design investigations collected a sufficient amount of data to preliminarily identify the horizontal and vertical extent of soils containing PCBs in excess of the SCLs specified for the Elm Street Area. However, additional investigation activities may be required to address two data needs at the Elm Street Area. The first data need is associated with the future utility corridor contemplated in the ROD for the Elm Street Area. Specifically, the ROD indicates that the location of a future utility corridor will be identified during the Remedial Design phase of the project. As further discussed in Section 6.6, once the preferred location for this utility corridor is identified by Town of Milford representatives, additional delineation soil samples will be required to ensure that the soils in the 1- to 10-foot depth increment that are located within the limits of the utility corridor contain PCBs at concentrations less than the SCL of 25 ppm. The second data need is associated with certain sample locations in three portions of the Elm Street Area (i.e., west of Keyes Drive, along Elm Street, and along the boundary between the Elm Street Area and the cemetery), which contain PCBs at concentrations above those SCLs, and were not fully delineated during the pre-design investigation activities. Additional information regarding the specific sample locations requiring additional delineation and the activities proposed to address those data needs is provided in Section 6.7.

4.6.1.2 Mill Street Area

Data Need(s): The soils at the Mill Street Area required delineation in accordance with the SCLs summarized in Section 3.3.1. Sampling and analysis for PAHs and arsenic in surface soils was completed during the pre-design investigations. However, as previously stated in Section 4.5.6, soil containing these constituents at concentrations greater than those SCLs will only require excavation, followed by treatment or disposal, where they are co-located with soil requiring excavation due to PCB concentrations that exceed the corresponding SCLs. Other data needs

include physical characterization of soils with respect to structural and geotechnical properties (as further discussed in Section 4.6.3) and collection of VOC/SVOC data to support possible future soil column testing, as described in Section 4.6.4 below.

Activities Performed: A grid-based sampling approach was implemented at the Mill Street Area to assist with delineation of the soils containing constituent concentrations greater than the SCLs specified in the ROD. This approach consisted of the collection of surface soil samples on a 25-foot grid, with subsurface soil samples collected at soil borings on a 50-foot grid. A review of the soil sample data collected by EPA during the RI indicated that the surface soils located on the interior of the Mill Street Area would likely require removal followed by thermal treatment or off-site disposal. As a result, the collection of surface (0- to 1-foot depth increment) soil samples was not proposed in the PD Work Plan at grid locations on the interior of the Mill Street Area.

Consistent with the procedures utilized for the Elm Street Area, soil samples were collected using the sampling methods described in Appendix A of the FSP. Surface samples collected at grid sampling locations (i.e., not delineation locations) were analyzed for arsenic, select PAHs, and PCBs by STL in accordance with the analytical methods specified in the QAPP. The subsurface soil samples were analyzed for PCBs by STL in accordance with the analytical methods specified in the QAPP. In addition, each subsurface soil sample collected from each Mill Street Area soil boring proposed for collection in the PD Work Plan (i.e., soil borings at grid locations) was screened in the field with a flame ionization detector (FID) using the procedures specified in Appendix C of the FSP (Toxic Vapor Analyzer Field Screening Procedures). The sample exhibiting the highest FID reading from each of the soil borings was submitted for analysis of VOCs and SVOCs in accordance with the analytical methods specified in the QAPP. For those locations at which the FID indicated organic vapors above 50 units, the sample was subjected to detailed visual examination, physical handling, and a jar shake test in accordance with Appendix U of the FSP (Soil/Water Shake Test Procedure). The detailed visual examination involved an inspection of the portion of the split-spoon sample exhibiting the highest FID response for evidence of a sheen or stain. The jar shake test involved placing a portion of the soil sample in a clean jar with distilled water, shaking the jar, and examining the surface of the water for the development of a visible sheen. These data were proposed to assist with the identification of soils to be used in the possible performance of a soil column study to potentially modify the subsurface SCL at the Mill Street Area. A secondary objective of the VOC and SVOC sampling proposed in the PD Work Plan was to provide additional information regarding the potential presence and distribution of NAPL at the Mill Street Area.

The PD Work Plan included procedures to address the potential presence of dense NAPL (DNAPL), such as: performance of visual examinations; physical handling of the soils; performance of jar shake tests; double cased drilling methods; and installation of NAPL monitoring wells with grouted sumps. Additional information regarding the results of the field screening and NAPL observation activities are included in the outcome section below.

As documented in Section 2.2.2, EPA and GE placed/augmented temporary cover materials (e.g., geotextile and sand/soil cover) at several locations during various removal actions at the Mill Street Area. Since these "clean" cover materials are segregated from the underlying Site soils by geotextile, samples of these materials were not collected for analysis. In the areas where these temporary cover materials were placed, the 0- to 1-foot surface soil sampling interval began at the depth of the geotextile installed by EPA, which is considered to represent the boundary between clean barrier soils and native Site soils.

Surface soil samples were collected using either a hand-driven macrocore sampler with a dedicated disposable acetate liner or using a tractor-mounted direct-push Power Probe with 2-foot macrocore samplers lined with dedicated disposable polyethylene liners. At each soil boring location, continuous soil samples were collected using a tractor-mounted direct-push Power Probe with 4-foot long macrocore samplers lined with dedicated disposable polyethylene liners. As proposed in the PD Work Plan, subsurface soil samples were collected in 2-foot depth increments at each location (e.g., 1- to 3-foot depth increment, 3- to 5-foot depth increment, etc.). Where applicable, the recorded sample intervals were adjusted to account for the temporary cap materials installed by EPA or GE. Subsurface soil sampling was conducted to the top of bedrock, as determined based on macrocore refusal and evidence of weathered rock (if any). The anticipated elevation of the bedrock surface was carefully evaluated by the field crew based on historical information from EPA RI, adjacent bedrock cores as installed during the Phase 2 monitoring well program, and field observations.

When refusal was encountered at a shallower than expected depth or insufficient material was recovered for sample collection, the boring was abandoned and relocated, typically within 5 feet of the proposed sample location. Occasionally, refusal and/or insufficient sample recovery was also observed at those alternate sampling locations, necessitating relocation of the soil boring some distance from the proposed grid location. In those instances, EPA was notified of the circumstances surrounding the boring(s) in question during weekly status meetings and alternate sample locations were proposed. All such modifications were documented in the minutes for those weekly status meetings (Appendix B).

As previously indicted, the PD Work Plan indicated that delineation of the soils with PCB concentrations above the corresponding SCLs would be an iterative process. The soil analytical data from the initial round of grid-based soil sampling activities (which was essentially completed by February 26, 2004) was reviewed upon receipt from the analytical laboratory. Based on the data for that initial round of delineation sampling, a supplemental delineation sampling proposal was submitted to EPA on March 17, 2004 (Appendix A) and discussed during a meeting between representatives of EPA, USACE, NHDES, and GE on March 25, 2004. EPA provided conditional approval of the supplemental surface soil sampling activities proposed for the Mill Street Area on March 31, 2004. As indicated in Section 4.3, GE subsequently submitted revised sampling proposals on April 2, 2004 to address comments provided by EPA during the March 25 conference and on April 12, 2004 to address comments provided by EPA in its March 31 conditional approval letter. The approved supplemental samples were collected between April 13 and 30, 2004. EPA provided approval of the supplemental subsurface soil sampling activities in a letter dated June 14, 2004 and GE performed the approved sampling was performed between June 28 and August 26, 2004.

Finally, the PD Work Plan proposed the collection of certain soil samples for physical properties analyses. Such activities included the collection of samples for analysis of porosity, bulk density, and total organic carbon (TOC) during performance of soil borings associated with the installation of the proposed monitoring wells (as discussed in Section 4.6.3). In addition to these activities, the PD Work Plan proposed the collection of undisturbed soil samples for analysis of physical/geotechnical parameters (i.e., soil classification, organic carbon content, porosity, bulk density, grain size, Atterberg limits, Proctor density, compressive strength, gradational analysis, specific gravity, and triaxial compression) using Shelby tubes. Since the subsurface soils observed at the Site were mostly free-flowing sands soil sample collection using Shelby tubes was not practicable. However, given the relative homogeneity of the subsurface soils observed during the soil boring program at the Site (i.e. mostly free-flowing sands), the physical/geotechnical data collected during the test pitting activities and monitoring well installation activities (as described in Sections 4.6.2 and 4.6.3, respectively) performed at the Site, combined with the information documented in the field notes and boring logs, were considered sufficient at this time to assist with the design of excavation controls or potential use during the performance of the remedy for the Site.

Outcome: Section 4.5.1.2 of the PD Work Plan indicated that the primary objective of the pre-design soil sampling activities at the Mill Street Area included the collection of surface and subsurface soil sample data to assist with the delineation of soils containing PCBs at concentrations greater than the specified SCLs. An additional objective of the soil sampling activities involved the collection of information including physical and geotechnical data to assist with the design of excavation controls for use during implementation of the remedy for the Site. The final objective presented in the PD Work Plan for the Mill Street Area was the collection of VOC and SVOC data which, when

combined with the PCB data, would assist GE with the selection of test pit locations for the collection of soil samples for use in a potential soil column study to determine if a modification to the subsurface SCL for the Mill Street Area was appropriate.

With respect to the delineation of soils subject to remedial actions, the pre-design investigations performed at the Mill Street Area involved the collection of over 100 surface soil samples. Each of these samples was analyzed for PCBs. In addition, each of the samples proposed in the PD Work Plan were analyzed for select PAHs and arsenic. The surface soil PCB data are presented in Table 9 and on Figure 12A. The select PAH and arsenic surface sample data are presented in Table 10. A total of over 730 subsurface soil samples were collected from more than 110 soil borings at the Mill Street Area during the pre-design investigations. Each of these samples was analyzed for PCBs. The FID readings at the majority of the Mill Street Area soil borings were not significantly elevated above background levels. As a result, the sample interval located immediately above the observed water table was collected from those soil borings and submitted for analysis of VOCs/SVOCs. In total, more than 40 samples were submitted for analysis of VOCs and SVOCs. The subsurface soil PCB data are presented in Table 11 and on Figure 12B, while the subsurface non-PCB data are presented in Table 12. EPA personnel were present during performance of some of the pre-design investigation activities and collected split-samples at certain locations. Table 13 presents a comparison of the pre-design investigation data and EPA's corresponding split-sample data. There was no evidence of potentially mobile DNAPL at any location sampled in the soil boring program. The results of these observations/procedures are noted in the soil boring logs presented in Appendix H. Similar activities performed during the test pitting and monitoring well installation activities are discussed in Sections 4.6.2 and 4.6.3, respectively.

The field notes for the soil boring activities were utilized to develop boring logs for more than 30 locations at the Mill Street Area (Appendix H). These boring logs and the results of the soil sampling activities described above were utilized to develop five representative cross-sections presenting overburden geologic information and soil sample data for the Mill Street Area. Figure 13 presents the location of the overburden cross-section locations and Figures 14 through 16 present the five representative cross-sections developed for the Mill Street Area. The field notes and soil boring logs utilized to develop these cross-sections were also used to develop the following summary of the overburden and bedrock stratigraphy at the Mill Street Area.

The overburden stratigraphy at Mill Street Area consists mainly of sand or silt fill and glacial outwash deposits, which are underlain by a weathered bedrock surface that may represent a lower glacial till unit and bedrock. Cross-sections A-A' through E-E' show the following features/geologic units:

- Sand cap that was installed during the Draper Coal Shed Removal;
- Sand or silt fill, which consists mainly of fine to medium sands, silty sands, or silt with trace amounts of fill materials (i.e., brick, concrete, glass, coal, angular gravel);
- Lenses of organic-rich sand and silt;
- Boulder zones;
- Native sandy soils consist mainly of fine to medium sands with some coarse sand that may be characterized as glacial outwash deposits;
- Upper glacial till generally characterized by an olive or gray matrix;
- Weathered bedrock surface that may represent a lower glacial till; and
- Granitic or gneissic bedrock as defined in EPA's 1993 RI.

The sand cap at the Mill Street Area was observed in the vicinity of the former Draper Coal Shed. As discussed in Section 2.2.2, a geotextile layer and sand cap was installed by contractors on behalf of GE following the destruction of the coal shed and removal of the shed remains by the property owner. The cap materials installed by EPA during the removal actions, documented in Section 2.2.2, were not observed during any of the soil borings installed at the Mill Street Area. However, the cap materials were observed during the test pitting activities discussed in Section 4.6.2. This suggests that the cap materials at the Mill Street Area are discontinuous in nature or have become displaced over time.

Sandy fill materials were observed throughout the Mill Street Area ranging from 0 to over 10 feet in thickness. Thin and discontinuous lenses of organic rich silts and sandy silts were observed to be from 2 to 7 feet thick. The subsurface at the Mill Street Area predominantly consists of native fine to coarse sand that appears to represent glacial outwash deposits. The configuration of finer and coarser sand units across the Site appear to be glacial outwash deposits created by meandering streams entering a nearby valley. The outwash deposits observed across the site are relatively constant ranging from approximately 10 to 20 feet in thickness in most areas to as little as approximately 5.5 to 6.5 feet thick at a few locations.

The upper glacial till, characterized as sands having an olive-gray matrix during EPA's 1993 RI, was not observed to be as prevalent as depicted in the cross-sections included in the RI. Material believed to be the upper glacial till referred to in the RI was only observed at soil boring locations E03 adjacent to the boulder-rich zone located in the west central portion of the Site, EB-13S south of the Site, and below the railroad bed at monitoring well cluster MW-23.

A discontinuous zone of weathered bedrock or lower glacial till was observed on top of the bedrock surface, ranging from 0 to approximately 5 feet in thickness. Fifty-six borings were completed to bedrock during the pre-design investigation. In all but four of those borings, the bedrock surface was confirmed by refusal or the presence of weathered rock/pulverized granite in the shoe of the macrocore sampler. At soil boring locations E05, F07, and G05 refusal was encountered at relatively shallow depths that appear to be related to the boulder zone depicted in EPA's 1993 RI cross-sections. Bedrock slopes from east to west across the Site ranging from 234 feet AMSL at boring E01 to 247.7 feet AMSL at boring D17. The bedrock elevations observed at each soil boring locations were used to develop the bedrock elevation contours for the Mill Street Area presented on Figure 17.

In summary, the pre-design investigations collected a sufficient amount of data to preliminarily identify the horizontal and vertical extent of soils containing PCBs in excess of the SCLs specified for the Mill Street Area. However, additional investigation activities may be required to completely delineate the horizontal and/or vertical extent of soils associated with certain sample locations within and south of Mill Street, which contain PCBs at concentrations above those SCLs. It should be noted that the horizontal extent of subsurface soils containing PCBs in excess of the subsurface SCL have not been delineated based on comments provided by EPA in the March 25, 2004 conference to discuss GE's March 17, 2004 supplemental delineation sampling proposal. As documented in BBL's April 2, 2004 e-mail to EPA transmitting revised subsurface delineation sampling figures (Appendix A), EPA indicated that the delineation soil borings proposed along the railroad tracks for locations B13, C14, C15, and B17/C17 was unnecessary due to the sporadic, low detected concentrations of PCBs (i.e., concentrations marginally greater than the subsurface SCL). Additional information regarding the specific sample locations requiring additional delineation and the activities proposed to address those data needs is provided in Section 6.7.

4.6.2 Test Pit Excavations

Data Needs: As discussed in Section 2, the Elm Street Area has served a variety of land uses, including farm land, a tannery, the town blacksmith and carriage shop, an armory and the town burning dump, before operation by Fletcher's Paint. Based on this past history and limited physical characterization in EPA's RI, GE proposed test pitting activities to obtain information on the physical nature, chemical characteristics and approximate magnitude of untreatable materials (e.g., resinous material, buried drums, other debris). Performance of test pit excavation and sampling activities provided a valuable opportunity to obtain such engineering information as well as to retrieve bulk soil samples for waste characterization, treatability testing (thermal treatment), physical properties testing, and potentially soil column testing (Mill Street Area only).

Activities Performed: Preliminary results from the Phase 1 geophysical investigations were used to assist with the selection of certain locations for test pit excavation activities. The locations of other test pit excavations were based on PCB results and the data needs associated with the thermal treatability study. Five test pits were installed at the Elm Street Area and three test pits were installed at the Mill Street Area between May 17 and May 19, 2004. Excavations were performed by Marcor Remediation, Inc. under contract to BBL. Test pitting activities were also supervised by the treatability testing consultant, Focus Environmental, Inc. (Focus) under contract to BBL. Additional details regarding performance of the thermal treatability study is provided in Section 4.6.5. Finally, representatives from EPA, USACE and Town of Milford were present during excavation activities.

Test pit excavation activities were implemented in accordance with the procedures specified in Appendix B of the FSP (Test Pit Excavation Procedures). Test pits were excavated to varying depths up to 10 feet below grade using a backhoe. Engineered excavation controls (shoring and trench boxes) were not required during these excavation activities. As a result, the depth of each test pit was determined in part by soil conditions. At Elm Street, cap material was removed first at each location (where present) to the top of the geotextile liner that segregated the clean cap materials from underlying site soils. Once located, the geotextile liner was carefully removed and set aside. All excavated soils were temporarily placed on plywood and polyethylene sheeting and ultimately placed back into the excavation. Once the soils were returned to the excavation the geotextile liner was repaired with new material before replacing the previously segregated cap materials.

During the performance of the test pitting activities, excavated soils were subjected to either detailed visual examination or screening in the field with an FID using the procedures specified in Appendix C of the FSP. If the FID indicated organic vapors above 50 units, a detailed physical examination was performed to identify the potential presence of stained soils or sheens. Depending on the results of those field screening activities, a jar shake test was performed in accordance with Appendix U of the FSP using the procedures presented in Section 4.6.1.2.

In addition to the field screening activities, a variety of samples were collected from the test pit excavations, including:

- Waste characterization samples for non-soil materials likely requiring off-site disposal (e.g., resinous material and soils containing paint-like substances) -- these samples were analyzed by STL for TCLP parameters, ignitability, corrosivity, reactivity, and PCBs;

- A bulk soil sample from the Mill Street Area for grain size analysis; and

- Bulk soil samples for thermal treatability (bench-scale testing) – these samples were also analyzed by STL for VOCs, SVOCs and PCBs.

Soil samples (except VOC samples) were collected using the sampling methods described in Appendix A of the FSP. All VOC soil samples were collected using Method 5035 preservation by sodium bisulfate in a 40 ml vial. Although use of the EnCore™ sampling method described in Appendix D of the FSP (Soil Sampling Procedures for Analysis of Volatile Organic Compounds) is preferred, this method was not practicable since hold times in the field needed to be extended for logistical purposes. The soil and waste characterization samples were analyzed in accordance with the analytical methods specified in the QAPP. The grain size analysis was completed in accordance with ASTM methods. Finally, consistent with the activities performed for the soil sampling program, additional procedures (i.e., performance of visual examinations; physical handling of the soils; performance of jar shake tests) were included in the PD Work Plan to address the potential presence of NAPL, if any. All test pitting activities were recorded with a video camera for future information relating to excavation, handling, and disposal requirements for subsurface materials.

Test pitting activities provided the opportunity to preliminarily assess excavation-related odors and ambient air conditions during excavation. BBL implemented an air monitoring program including dust monitoring and organic vapor monitoring along the perimeter of the Site and at the excavation work areas as described in Appendix B of the FSP. During excavation activities real-time air monitoring for VOCs and particulate matter was conducted at one upwind and two downwind locations as determined through visual observation of a wind flag. Odors were not apparent during most of the excavation activities with the exception of test pit ESTP-03 where the yellow resinous material was observed. Moderate odors were observed during excavation activities at this location; however, FID readings within the work area were not elevated and did not require onsite personnel to upgrade personal protective equipment (PPE), nor was it necessary to suppress odors using vapor suppression products. As indicated in Appendix B of the FSP, all air monitoring data has been archived for future reference.

Outcome: The PD Work Plan indicated that the objectives of the test pitting activities was to collect additional information to assist with the design of the Site remedy, including: 1) gaining a better understanding of the nature and extent of buried materials; 2) obtaining information to assist with developing refined estimates of materials not amenable to thermal treatment; 3) obtaining engineering information related to the excavation, handling, and disposal of subsurface materials; 4) obtaining engineering information related to the design and placement of

appropriate excavation controls; and 5) the collection of bulk soil samples for waste characterization activities, thermal desorption treatability testing, and the potential performance of a soil column study.

The locations of the test pitting activities at the Elm Street and Mill Street Areas are presented on Figures 18 and 19, respectively. Representative photos of test pitting activities are included in Appendix D and detailed test pit logs are provided in Appendix I. A summary of soil and non-soil waste characterization and PCB data are included in Table 14. Test pit observations and sample collection activities are briefly summarized below for each area.

Elm Street Area

ESTP-01: Three test pits were completed at this location (ESTP-01a, ESTP-01b and ESTP-01c). These test pits were completed east of soil boring M08 where the results of the geophysical investigation performed in Phase 1 suggested potential subsurface metals. Soils consisted of brown, fine to medium sand with some large boulders and quarried granite. No subsurface metals were discovered and no samples were collected from this location.

ESTP-02: Three test pits were completed at this location (ESTP-02a, ESTP-02b, and ESTP-02c) to investigate subsurface anomalies in the vicinity of one of the suspected landfill areas. Soils consisted of brown, fine to medium sand with some boulders, cobbles, quarried granite block, and trace brick. Test pits ESTP-02a and ESTP-02b were abandoned after finding several large pieces of quarried granite measuring approximately 4 feet long, 3 feet wide and 2 feet high. These granite pieces were left in place due to their size and proximity to monitoring wells MW-04A, MW-04B, and MW-04C. The third test pit at this location consisted of similar soils, fill material and a mixer propeller attached to a 1.5-inch diameter rod that was discovered less than 2 feet below the cap. No samples were collected from this location.

ESTP-03: Two test pits were completed at this location. Test pits ESTP-03a and ESTP-03b were completed to investigate subsurface anomalies in a suspected drum storage area and to collect waste characterization samples (including resinous material previously observed during the RI at EB-03A). Soils consisted of fine to medium sand with some gravel and small cobbles. Soils were stained with gray, yellow, and pink paint-like materials in pockets of variable thickness (2 to 5 inches thick). Portions of two drums (one made of cardboard, one of plastic/resinous material, both less than 55 gallons in volume) were located and left in place. The first drum (Drum A) was discovered in the middle of ESTP-03A and appeared to be constructed of a non-metal material with a metal lid and rim. A clear yellow resinous material that appeared to be similar to hardened polyurethane was found immediately adjacent to or within the top of Drum A. A void was also observed in the vicinity of Drum A. This coincides with

the low blow counts and non-recovery by EPA during installation of soil boring EB-03A. The second drum (Drum B) was discovered at the intersection of ESTP-03a and ESTP-03b. Drum B was constructed of metal that was highly corroded. The contents of this drum were exposed in the test pit and appeared to be a separated red, black, and white paint-like material. A bulk composite soil sample was collected for the thermal treatability study. Grab samples of the paint-like materials and the clear yellow resinous material were collected for PCB and waste characterization analyses. Table 14 includes the data for the soil sample collected from ESTP-03. The waste characterization data from the miscellaneous paint-like and resinous materials were included in the June 2004 Monthly Report.

ESTP-04: One test pit was completed at this location. Test pit ESTP-04 was completed in the vicinity of ESSB-O18 to collect bulk composite samples of soils that had average PCB concentrations representative of Elm Street Area conditions for use in the thermal treatability study and for waste characterization. Soil consisted of fine to medium sand, trace gravel, and silt. A lens of black-stained soil that was very cohesive was observed from 2.5 to 3 feet below the cap. A bulk composite soil sample was collected for the thermal treatability study, PCB, and waste characterization analyses.

ESTP-05: One test pit was completed at this location. Test pit ESTP-05 was completed in the vicinity of soil boring ESSB-O14 to collect bulk composite samples of soils for the thermal treatability study that were representative of the highest concentrations of PCBs in soil at the Elm Street Area. This test pit was also located adjacent to the former Fletcher Paint Works warehouse loading ramps and south of two previously existing USTs. Observed soils consisted of fine to medium sand and gravel, trace cobbles and black, with coal-like staining (0 to 1 foot below the cap). Material from what appeared to be a burning pit was observed from 5.5 to 7 feet below the cap. These materials consisted of a mixture of slag, cinders, pottery, and glass jars of various shapes and sizes. A bulk composite soil sample was collected for the thermal treatability study, PCB, and waste characterization analyses.

Mill Street Area

MSTP-01: One test pit was completed at this location. MSTP-01 was completed just south of the MW-22 well cluster to investigate subsurface anomalies and collect soil samples for waste characterization and the thermal treatability study. Excavated soils consisted of fine to medium sand with trace weathered concrete. A section of concrete footing approximately 2 feet in thickness and a 3-inch thick floor slab were observed at this location. The limits of the slab were roughly delineated using the teeth of the excavator bucket. The slab extends in the southern direction from the test pit area approximately 15 feet. A bulk composite soil sample was collected for the thermal

treatability study. A soil sample from this location was combined with soil from MSTP-02 (below) for PCB and waste characterization analyses since PCB concentrations in these two locations were similar.

MSTP-02: One test pit was completed at this location. Test pit MSTP-02 was completed south of soil boring EB-21C to investigate a subsurface anomaly and to collect soil samples for waste characterization and the thermal treatability study. Soil consisted of fine to medium sand and silt to approximately 2.5 feet below grade. A very dark brown, fine to medium sand with trace silt and a slight odor was observed from approximately 2.5 to 4 feet below grade. Orange-brown medium sands with a slight odor and possibly a sheen on the soils was observed from 4 to 5 feet below grade. No subsurface metals were observed. A bulk composite soil sample was collected for the treatability study. As previously indicated, a soil sample was collected from this location and combined with soil from MSTP-01 (above) for PCB and waste characterization analyses since PCB concentrations in these two locations were similar.

MSTP-03: One test pit was completed at this location. Test pit MSTP-03 was completed in the vicinity of soil boring MSSB-D13 to collect bulk composite samples of soils that were representative of the most elevated PCBs detected at the Mill Street Area. Soil consisted of fine to medium sand with little silt to 2.2 feet below grade. A very dark brown fine to medium sand with trace silt and a slight odor was observed from 2.2 to 3.2 feet below grade. Orange-brown medium sand with a slight odor was observed from 4 to 5 feet below grade. Although no geophysical anomalies were detected in this area, two small metal objects (folded bands of metal) were discovered from 3 to 4 feet and from 5 to 6 feet below grade. A bulk composite soil sample was collected for the thermal treatability study, PCB, and waste characterization analyses.

The test pitting activities described above were successful in collecting the proposed waste characterization samples and bulk soil samples for performance of the thermal treatability testing. The test pitting was also successful in meeting the objectives of gaining a better understanding of the nature and extent of buried materials detected during the geophysical investigations performed during Phase 1 of the pre-design investigations. This information will be used to refine volume estimates for materials not amenable to thermal desorption and/or requiring off-site disposal during the Remedial Design. Finally, none of the jar shake tests performed on excavated test pit soils indicated the presence of NAPLs.

Another objective of the test pitting activities was to obtain engineering information related to design and placement of appropriate excavation controls (structural support, dewatering) and to obtain information related to excavation, handling, and disposal requirements. Toward that end, the PD Work Plan proposed the collection of samples for

miscellaneous analyses including bulk density, porosity, compressive strength, Atterberg limits and triaxial compression testing with pore pressure measurements. However, consistent with the soil sampling activities described in Section 4.6.1, GE elected not to perform the proposed physical property analysis of soils during the test pitting program, with the exception of grain size analyses. As previously indicated, this decision was based on the relative homogeneity of the subsurface soils observed at the Site (i.e. mostly free-flowing sands) and the fact that additional testing for physical and geotechnical parameters was performed during the monitoring well installation program, as further discussed in Section 4.6.3. One composite soil sample was collected from the Mill Street Area and submitted for grain size analysis, the results of which are included in Appendix I.

4.6.3 Monitoring Well Installation and Baseline Groundwater Sampling Event

Data Needs: The primary purpose of the monitoring well installation program and the baseline groundwater sampling event was to establish the baseline groundwater conditions at the Site. Such conditions include groundwater quality in relation to the groundwater ICLs (see Section 3.3), as well as hydraulic information including groundwater elevations, hydraulic gradient components, hydraulic conductivity values, and recharge/dewatering rates. An additional objective related to installation of the monitoring wells for the Elm Street Area was to assist with the determination of the elevation of the "seasonal low" groundwater table, which directly relates to the soils that will be subject to remedial actions. In addition, soil samples were collected from each soil boring prior to well installation for physical and geotechnical analyses. Finally, other groundwater-related data collected from these wells were used to: 1) identify the presence of DNAPL (if any) at the Mill Street Area; 2) characterize the groundwater quality upgradient of both the Elm Street and Mill Street Areas and identify impacts from other potential sources of groundwater contamination (e.g., gas stations between the Elm Street and Mill Street Areas); and 3) design a groundwater treatment system.

Activities Performed: The monitoring well installation program and baseline groundwater sampling event were conducted at the Elm Street and Mill Street Areas as part of the pre-design investigations between December 11, 2003 and February 26, 2004. Monitoring wells were installed between December 12, 2003 and February 3, 2004 by Geosearch, Inc. from Sterling, Massachusetts under contract to BBL. BBL personnel performed all other groundwater monitoring activities including well development, specific capacity testing and groundwater sampling. EPA and/or USACE representatives were present to oversee some of the groundwater monitoring activities and collect soil and groundwater split samples from select locations. For ease of discussion, the remainder of this section

is divided into the following three categories: 1) soil boring and soil sampling activities; 2) well construction and development activities; and 3) baseline groundwater sampling activities.

Soil Boring and Soil Sampling Activities

As a precursor to the monitoring well installation activities documented herein, the condition and integrity of existing monitoring wells in and around the Elm Street Area were surveyed as part of the Phase 1 activities described in Section 4.5.5 above. The results of the monitoring well survey indicated that 26 of the 32 existing monitoring wells proposed in the PD Work Plan and WMP for inclusion in the monitoring well network for the Site were available for that purpose. Accordingly, BBL performed an evaluation of the need to replace the six missing/obstructed wells. Based on this evaluation, it was determined that monitoring wells MW-02A and MW-05B would be replaced as part of the Phase 2 pre-design investigation activities. The results of that survey were used to determine the locations for the installation of new wells to augment the existing monitoring well network.

The scope of the monitoring well installation program involved the installation of 17 wells at the Elm (eight wells) and Mill Street Areas (nine wells), as well as four wells at off-site locations (Figures 20 and 21). These activities included the installation of shallow overburden, deep overburden, and bedrock monitoring wells that were distributed as follows:

- Elm Street Area – Three monitoring well pairs consisting of one shallow overburden (designated as a "B" well) and one deep overburden monitoring well (designated as an "A" well), were installed in the vicinity of grid locations M14 (MW-26A,B), T16 (MW-27A,B), and T20 (MW-28A,B). In addition, a shallow overburden monitoring well was installed in the vicinity of grid location O14 (MW-29B) and a replacement deep overburden monitoring well was installed in the vicinity of grid location J18 (MW-02AR). The location for each well/well pair was selected for various reasons, including: establishment and monitoring of water quality upgradient of the Elm Street Area (MW-27 and MW-28 pairs); establishment and monitoring of water quality upgradient of the Souhegan River (MW-26 pair); assistance in determining the "seasonal low" groundwater table (MW-29B); and replacement of MW-02A (MW-02AR).

- Mill Street Area – Three monitoring well clusters consisting of one shallow overburden, one deep overburden, and one bedrock monitoring well (designated as a "C" well), were installed in the vicinity of grid locations D9 (MW-22A,B,C), B11 (MW-23A,B,C), and A14 (MW-24A,B,C). The locations of these well clusters were selected to provide information regarding groundwater quality downgradient of the Mill Street Area.

- Off-Site Locations – A monitoring well pair, consisting of one shallow overburden and one bedrock monitoring well was installed at location MW-25, approximately 300 feet south of the Mill Street Area. A bedrock monitoring well was also added to the shallow overburden/deep overburden well pair at location MW-10, which is located approximately 100 feet southwest of the Mill Street Area. Finally, a replacement shallow overburden monitoring well was installed at location MW-05 in Keyes Park. The locations of the upgradient monitoring wells (MW-10C, MW-25B, and MW-25C) were selected to provide data that are representative of upgradient (i.e., background) groundwater quality or to replace MW-05B.

Certain of the locations proposed in the PD Work Plan for installation of these monitoring wells (i.e., MW-02AR, MW-23 cluster, MW-24 cluster, MW-27 pair, and MW-28 pair) were modified based on field conditions or comments provided by EPA. Specifically, refusal was encountered approximately 16.5 feet below grade, requiring the relocation of MW-02AR from grid location K18 to J18 at the Elm Street Area. The locations for well clusters MW-23 and MW-24 proposed in the PD Work Plan were modified based on comments provided by EPA during the Phase 2 pre-design investigations, as documented in the minutes for the kickoff meeting on December 1, 2003 (Appendix B). Finally, the locations of well pairs MW-27 and MW-28 were relocated from the sidewalk south of the Elm Street Area to just inside the property based on concerns regarding clearance for nearby overhead utilities. This modification was documented in the minutes for the December 18, 2003 weekly status meeting (Appendix B).

The Elm Street Area and off-site monitoring wells were installed using hollow-stem auger techniques and the Mill Street Area monitoring wells were installed using drive and wash techniques in accordance with Appendix E of the FSP (Monitoring Well Installation and Development Procedures). The first attempt at installing MW-23A resulted in issues related to insufficient sample recovery across the proposed screened interval for the well. As a result, the first location attempted for MW-23A was abandoned. To aid in the removal of more coarse soil cuttings during the second attempt to install MW-23A, bentonite gel was added to the drilling water for use with drive and wash techniques. The procedures for this "mud rotary" modification to the drive and wash technique specified in Appendix E of the FSP can be found in ASTM Standard D5783-95 (Reapproved 2000) titled *"Standard Guide for Use of Direct Rotary Drilling with Water-Based Drilling Fluid for Geoenvironmental Exploration and the Installation of Subsurface Water-Quality Monitoring Devices."* This modified procedure was discussed with EPA and USACE representatives and approved on January 22, 2004, as documented in the minutes for the January 22, 2004 weekly status meeting (Appendix B). Finally, as requested by EPA, a sample of the bentonite gel was collected and submitted for analysis of VOCs, SVOCs, and PCBs to demonstrate that the bentonite gel did not contain any of the COCs identified for the Site.

Consistent with the soil boring activities, the PD Work Plan included procedures to address the potential presence of DNAPL at the Mill Street Area wells, such as: field screening with an FID; performance of visual examinations; physical handling of the soils; performance of jar shake tests; use of double-cased drilling methods; and installation of NAPL monitoring wells with grouted sumps. Specifically, if field screening activities, performance of the visual examinations, physical handling of soils, and/or performance of jar shake tests indicated the presence of NAPLs, double-cased drilling methods or installation of monitoring wells would be performed to prevent to possible mobilization of such NAPLs. Additional information regarding the results of the field screening and NAPL observation activities are included in the outcome section below.

Soil samples were collected from the Elm Street Area and Mill Street Area monitoring wells in accordance with Appendix A of the FSP using continuous split spoon sampling techniques. Surface samples collected at these wells were analyzed for arsenic, select PAHs, and PCBs. Subsurface soil samples were collected in 2-foot depth to either one sample interval below the observed water table (Elm Street Area) or bedrock (Mill Street Area) for analysis of PCBs. Where monitoring well pairs or clusters were installed, samples were only collected from one soil boring or the samples were distributed across the borings to ensure that a full depth profile was collected at each location. Finally, three consecutive split-spoon samples were collected from the 6-foot interval spanning the 5-foot well screen for the overburden monitoring wells installed at the Mill Street Area (i.e., MW-22A,B; MW-23A,B; and MW-24A,B). In addition to analysis for PCBs, these samples were submitted for analysis of VOCs, SVOCs, and TOC. The VOC samples were collected using the EnCore™ sampling method in accordance with the procedures presented in Appendix D of the FSP. Each of the collected samples was submitted for analyses in accordance with the analytical methods specified the QAPP.

In addition to these chemical analyses, one soil sample was collected from the depth increment immediately overlying the observed water table in each of the Elm Street Area shallow overburden monitoring wells (i.e., MW-26B through MW-29B) and submitted for physical/geotechnical analyses, including: specific gravity, moisture content, bulk density, and porosity. For the Mill Street Area overburden monitoring wells, the samples collected across the screened interval of each well were also submitted for physical/geotechnical analyses, including specific gravity, moisture content, bulk density, and porosity. Finally, one sample each from upgradient bedrock monitoring wells MW-10C and MW-25C were submitted for these same physical/geotechnical analyses. Geotechnical analyses were performed by Geotechnics of Pittsburg, PA in accordance with the ASTM methods outlined in the QAPP.

Prior to drilling into the bedrock at monitoring locations MW-10C, MW-22C, MW-23C, MW-24C, and MW-25C, a socket between 3 and 5 feet deep was installed into the top of bedrock. A permanent steel casing that was subsequently grouted into place using a Portland cement/bentonite slurry, was installed into this socket. After being allowed to set for at least 12 hours, bedrock cores were completed through the casing using a wire-line corer with an HV (HQ) size diamond bit and core-barrel. Coring was conducted in 4- to 5-foot runs, using water as a drilling fluid. A BBL geologist made drilling observations, rock core mechanical and geological characteristics and classifications. Bedrock core samples were characterized in terms of FID measurements and any indications of NAPL (sheen, staining, etc.).

The two upgradient bedrock coreholes (MW-10C and MW-25C) and one of the downgradient coreholes (MW-24C) were also logged using an acoustic televiewer to obtain in-situ fracture orientation and spacing data as proposed in the PD Work Plan. Additional geophysical measurements were also performed at these locations including caliper, fluid-temperature, fluid-resistivity logging and heat-pulse flowmeter measurements. These data were used to characterize the predominant fracture sets that accommodate groundwater flow and, in combination with bedrock hydraulic conductivity data, were used to calculate average fracture aperture (width), as further discussed in the outcome section below.

Well Construction and Well Development Activities

With the exception of monitoring well MW-27, each of the wells installed at the Site had the same general components, including: 4-inch black steel outer casing; 2-inch schedule 40 polyvinyl chloride (PVC) inner riser with 0.01-inch slotted well screen; and morie sand packs adjacent to the well screen overlain by hydrated bentonite and a Portland cement/bentonite grout. Due to subsurface obstructions observed during the installation of MW-27B and concerns regarding the future integrity of this well, a 2-inch schedule 40 PVC, 0.01-inch slotted stainless steel riser and well screen was used for this well.

EPA's well construction details for monitoring wells MW-02A and MW-05B were reviewed prior to the installation of the replacement monitoring wells at those locations. Monitoring wells MW-02AR (Elm Street Area) and MW-05B (Keyes Park) were installed to match the construction of the original wells. Monitoring wells MW-26B, MW-27B, MW-28B, and MW-29B and the background location upgradient of the Mill Street Area (MW-25B), were installed with a 10-foot long screen straddling the water table. The screened interval for the new deep overburden monitoring wells at the Elm Street Area (MW-26A, MW-27A, and MW-28A) began just below the screened interval for the shallow overburden wells with the screen extending to the top of bedrock. The downgradient overburden

monitoring wells at the Mill Street Area (MW-22A, MW-22B, MW-23A, MW-23B, MW-24A, and MW-24B) were installed with 5-foot wells screens.

The bedrock monitoring wells upgradient of the Mill Street Area (MW-10C and MW-25C) were left as open-hole construction (i.e., no well screens were installed). The downgradient bedrock monitoring wells (MW-22C, MW-23C, and MW-24C) were installed with 10-foot well screens and 2-foot DNAPL sumps, which were set with cement grout. For sump installation, approximately 2 gallons of cement grout was pumped through dedicated disposable polyethylene tubing that was installed through a PVC tremie pipe and placed at the base of each core hole. The grout was pumped into the core hole using a peristaltic pump. Immediately after pumping in the grout, each monitoring well screen and sump were set and excess grout was removed. Finally, bedrock samples were collected from monitoring wells MW-10C and MW-22C for specific gravity and permeability analyses.

Each newly-installed well was developed to remove any fine particulate material from the well and improve its hydraulic connection to the surrounding formation. To verify removal of any drilling fluid that may have entered the formation using mud rotary techniques, additional water was removed from MW-23A during well development. Similarly, at all bedrock well locations any water that was introduced during drilling was also removed to the extent practicable (MW-22C went dry). Specifically, each well screen was gently surged and pumped during sump installation for 25 to 30 minutes. Final purge water appeared clear, colorless, and odorless at all wells. Approximately 25 gallons was removed from monitoring well MW-22C and 50 to 55 gallons were removed from monitoring wells MW-23C and MW-24C during sump installations.

After each newly installed well was allowed to sit, undisturbed for at least 1 week, it was developed along with the existing monitoring wells proposed to be sampled as part of the baseline groundwater monitoring event. Also during well development activities specific capacity tests were performed as further described below. Between January 19 and February 5, 2004, monitoring wells were developed in accordance with Appendix E of the FSP to remove fine particulate material from the well and improve its hydraulic connection to the surrounding formation. Monitoring well development was performed at the following locations:

- Elm Street Area monitoring wells MW-01A, MW-01B, MW-02AR, MW-02B, MW-03A, MW-03B, MW-04A, MW-04B, MW-04C, MW-26A, MW-26B, MW-27A, MW-27B, MW-28A, MW-28B, and MW-29B.
- Mill Street Area monitoring wells MW-07A, MW-09A, MW-09B, MW-21C, MW-22A, MW-22B, MW-22C, MW-23A, MW-23B, MW-23C, MW-24A, MW-24B, and MW-24C.

- Off-site monitoring wells MW-05A, MW-05BR, MW-08A, MW-08B, MW-10A, MW-10B, MW-10C, MW-11A, MW-11B, MW-18B, MW-25B, and MW-25C.

Prior to well development water levels and total well depths were measured and recorded. If present, sediment was then removed from the well using either a dedicated disposable polyethylene bailer or stainless steel decontaminated bailer. Monitoring wells were then surged gently for approximately 30 minutes using a bailer and the total well depth was measured again. As part of the well development activities, each well was pumped at approximately 250 milliliters per minute using either a Solinst peristaltic pump or electric submersible pump. Depth to water, pumping rate, and volume removed were measured and recorded along with water quality parameters pH, temperature, conductivity, and turbidity. Water quality measurements were conducted using a Horiba U-22 water quality system and Lamotte 2020 turbidity meters. As requested by EPA, detailed monitoring well development/specific capacity log records were provided to EPA on April 13, 2004, along with other documents related to groundwater sampling activities, as further discussed below.

As previously indicated, GE established procedures to address the potential presence of NAPL observed at the Mill Street Area during any of the soil or groundwater investigation-related activities documented herein. Well development activities were performed at MW-21C on January 21, 2004. As part of the well development activities, a Teflon bailer was lowered to the bottom of the well to check for the presence of sediment in that well. Upon emptying the contents of the bailer into a drum, droplets of NAPL were observed on the tip of the bailer. The interface probe was placed in the well again, confirming that the NAPL was not present in a measurable thickness. Similarly, there was no observed sheen on the water in the bailer, the headspace FID reading in the well was 0 units, and there were no odors in the breathing zone. As documented in the minutes for the January 29, 2004 (Appendix B) meeting minutes, GE proposed (and EPA approved) to collect a sample of the sediment/NAPL/water mixture from the bottom of MW-21C utilizing the procedures presented in Appendix H of the FSP (DNAPL/Light Non-Aqueous Phase Liquid [LNAPL] Sampling Procedures), followed by well development activities and monthly monitoring during the groundwater elevation monitoring events to determine if NAPL was recurring in that well. Finally, if NAPL was observed in the well, GE agreed to remove it with a bailer. On April 22, 2004, GE and EPA discussed the potential for collecting a DNAPL sample for characterization. As part of that meeting, EPA requested that GE propose NAPL sample collection procedures for EPA review prior to sample collection. Those proposed procedures were sent by BBL via e-mail on June 2, 2004 (Appendix J). GE has refrained from performing any additional activities to investigate the potential presence of NAPL in this well pending EPA approval of the proposed NAPL sample collection procedures.

Specific capacity tests were performed during well development activities at all designated baseline groundwater monitoring wells to further characterize the hydraulic conductivity of the saturated and bedrock units. These data will be used to support recharge/dewatering calculations associated with potential excavations during the Remedial Design phase of the project. Specific capacity testing was performed in accordance with Appendix E of the FSP and the additional technical discussion provided in GE's response to EPA Comment #43 of the PD Work Plan regarding the performance of specific capacity testing (Appendix A). Specific capacity tests, also known as single-well pumping tests, entail pumping a well at an approximately constant rate and measuring drawdown inside the pumped well. The geometry of the well, the pumping rate, pumping duration, and drawdown data were used to calculate hydraulic conductivity of the saturated formation along the well screen, as further discussed in the outcome section below. Finally, as proposed in the PD Work Plan, groundwater treatability samples were collected as part of the specific capacity testing activities. Additional details regarding the collection of these samples are provided in Section 4.6.6.

Baseline Groundwater Sampling Activities

Between February 9 and 26, 2004, baseline groundwater samples were collected from the above-listed Elm Street Area, Mill Street Area, and off-site monitoring wells in accordance with Appendix F of the FSP (Groundwater Purging and Sampling Procedures for Monitoring Wells). However, extensive discussions were held with EPA regarding the performance of these low-flow sampling activities. Such discussions focused largely on the pumping rate utilized during low-flow sampling activities. As a result of those discussions, the low-flow pumping rate of 100 milliliters per minute utilized during sample collection at certain wells was modified. Details of the modification in pumping rates are provided in meeting minutes from February 5, 12, and 19, 2004 (Appendix B) and in a Low-Flow Groundwater Sampling Technical Memorandum provided to EPA on April 13, 2004. In addition to this technical memorandum, GE submitted several documents for EPA review and approval, including revised Appendices F and G (Temperature, Turbidity, Conductivity, pH, and Dissolved Oxygen Field Measurement Procedures) of the FSP, certain well construction logs, and well development/specific capacity logs (with the exception of revised FSP Appendices F and G, these documents are included in Appendix J). All wells were sampled using bladder pumps with dedicated Teflon-lined polyethylene tubing. Water quality parameters including pH, temperature, conductivity, oxidation-reduction potential (ORP) and dissolved oxygen were measured using a flow-through cell and a YSI 556 Multi Parameter System. Finally, as requested by EPA, turbidity was measured outside the flow-through cell using a HACH 2100 P Turbidity Meter.

Groundwater samples were submitted to STL for analysis of the constituents identified in the PD Work Plan, including: benzene, ethylbenzene, toluene, trichloroethylene, 1,2-dichloroethane, 1,2,4-trichlorobenzene, PCBs, and manganese. Split samples were obtained by the USACE on behalf of EPA from monitoring wells MW-02AR, MW-02B, MW-03A, MW-03B, MW-04A, MW-04B, MW-04C, MW-26A, MW-26B, MW-28A, and MW-28B for analysis of VOCs, total PCBs, and PCB congeners. In addition to these low-flow groundwater sampling activities, EPA collected samples from monitoring wells MW-04A, MW-04B, MW-04C, MW-07A, MW-11A, MW-11B, and MW-21C for 1,4-dioxane analysis between February 19 and 26, 2004. EPA indicated in a March 2, 2004 e-mail to GE that the preliminary results of this sampling indicated that 1,4-dioxane was not observed in monitoring wells MW-04A, MW-04B, MW-04C, MW-11A, and MW-11B. No further groundwater sampling activities have been performed to date at the Site. Future groundwater sampling activities will be performed in accordance with the WMP upon receipt of EPA approval for that document.

Outcome: The monitoring well installation and baseline groundwater sampling activities satisfy the objectives of the PD Work Plan. The soil sample data collected during installation of the Elm Street Area monitoring wells are included in Tables 6 and 7. These data are presented using sample IDs for the previously specified grid locations. The soil sample data for the downgradient overburden monitoring wells installed at the Mill Street Area are presented in Tables 9 and 10 using the well IDs as sample IDs. The geotechnical soil and bedrock data for the samples collected from each well are presented in Appendix J. Finally, Table J-1 presents a summary of the monitoring well geotechnical data and Table J-2 presents the TOC data collected at these locations.

None of the shake tests performed on Mill Street Area soils were positive for the presence of NAPL. In addition, no sheens, staining, or elevated FID measurements were observed in bedrock cores for the Mill Street Area or upgradient bedrock wells. Although not proposed in the PD Work Plan, shake tests were performed on samples collected from certain Elm Street Area monitoring wells. This test was conducted based on the observation of petroleum odors in soil samples collected from soil borings S20 and T16 (monitoring wells MW-28 and -27, respectively). Although certain of those shake tests were positive for the presence of NAPL, no additional measures were implemented since the NAPLs appear to be associated with leaking underground storage tanks at the gas stations located south of the Elm Street Area and upgradient of the property.

Detailed monitoring well construction logs and stratigraphy for all well locations are included in Appendix J. Certain of these well construction logs (i.e., MW-22A,B,C; MW-23A,B,C; MW-24A,B,C; MW-28A; and MW-29B) were utilized to develop the cross-sections for the Elm Street Area (Figures 8 through 11) and Mill Street Area (Figures 13 through 16). Table J-3 presents a summary of monitoring well construction for each of the wells

installed during the pre-design investigations and Table J-4 presents a summary of the "drilling mud" (i.e., bentonite gel) that was used to install monitoring well MW-22A. The well construction logs for the bedrock monitoring wells were also used to develop the bedrock elevation contour map for the Mill Street Area (Figure 17). The borehole geophysics logging report for bedrock monitoring wells MW-22C, MW-24C, and MW-25C is provided in Appendix J. Table J-5 presents a summary of the bedrock geotechnical data for wells MW-10C and MW-22C.

The well development and specific capacity testing logs are provided in Appendix J. Tables J-6 through J-7 present miscellaneous data associated with the well development and specific capacity testing activities. Specifically, Table J-6 presents the analytical data for the sediment/NAPL/water sample collected from Mill Street Area monitoring well MW-21C and Table J-7 presents specific capacity data and related parameters.

The baseline groundwater sampling event was performed in February 2004. The groundwater sampling logs for this sampling event are presented in Appendix J. The PCB data for the baseline sampling event are presented in Table 15 and the non-PCB data are presented in Table 16. These data are also presented on Figures 20 (Elm Street Area) and 21 (Mill Street Area). Table 17 presents a comparison of the GE and EPA split sample data for both PCB and non-PCB constituents. Constituent concentrations in excess of the ICLs specified in the ROD are highlighted on Tables 15 through 17. While these constituent concentrations provide an indication of baseline groundwater quality conditions at the Site, a quarterly groundwater monitoring program will be initiated upon EPA review and approval of the revised draft WMP and associated documents. As indicated in Section 3, Paragraph 56 of the UAO, indicates a GMZ will be established at the Site following performance of the Remedial Action. Groundwater monitoring activities (including sampling) will be performed within the GMZ to ensure the remaining contamination has not migrated beyond plume boundaries or impacted the Souhegan River, and that the Remedial Action is working and remaining effective over time. As a result, it will be necessary to implement the Remedial Action prior to making a determination regarding the ability of monitored natural attenuation (MNA) to achieve the ICLs for the Site.

Although not proposed in the PD Work Plan, the seasonal high and seasonal low groundwater elevations were evaluated for the Mill Street Area since the Site remedy will require excavation of soils beneath the water table and such data would assist with various components of the Remedial Design, including: the design of excavation controls; the design of dewatering controls; and the design of the groundwater treatment system for use during the Remedial Action. Based on the data collected from these wells during the monthly elevation monitoring activities described in Section 4.5.5, Figure J-1 presents the seasonal low groundwater elevation contour map (based on data from the September 14, 2004 monitoring event) and Figure J-2 presents the "seasonal high" groundwater elevation

contour map (based on data from the April 19 and 20, 2004 monitoring event). Both of these maps also contain the calculated vertical hydraulic gradients and direction in the vicinity of each monitoring well.

Finally, with respect to data gaps, the monitoring well installation and baseline groundwater sampling activities described herein produced sufficient data to meet the objectives specified the PD Work Plan. However, an objective of the Soil Column Study described in Section 4.6.4 was the collection of approximately 10 liters of representative Site groundwater for the use in potential soil column studies to modify the subsurface SCL at the Mill Street Area. As further discussed Section 4.6.4, the soil column study has not been performed at this time. As a result, the proposed collection of the representative Site groundwater has not been performed. Section 6.8 contains additional information regarding the collection of the groundwater, should GE elect to proceed with the Soil Column Study.

4.6.4 Soil Column Study

Data Needs: The PD Work Plan indicated that GE may conduct soil column testing to potentially support an alternative subsurface PCB SCL for the Mill Street Area, as allowed under the ROD and UAO. This proposal was based on the fact that EPA has established different leaching-based subsurface SCLs for PCBs for the Elm Street Area (100 ppm in soil) and the Mill Street Area (1 ppm in soil). The basis for the lower SCLs at the Mill Street Area was presented in EPA's *Feasibility Study, Appendix C: Evaluation of Enhanced PCB Transport Rate at Mill Street* (April 1996), which was prepared by A.D. Little. In that document, A.D. Little stated that the PCB depth in soil was greater than they would predict based solely on advection, and took this as evidence for solvent-enhanced PCB mobility (reduced organic carbon-based partition coefficient, K_{oc}). A.D. Little calculated lower "effective" K_{oc} values to match the observed PCB depths in soil. A.D. Little noted that their calculated K_{oc} values for PCBs (265 to 285 mL/g, with an average of 272 mL/g) are three to four orders of magnitude below K_{oc} values for PCBs published in literature. Based on the difference between the theoretical K_{oc} and the lower, calculated K_{oc}, A.D. Little inferred that SCL should be reduced significantly, and proposed a reduction factor of 1/100 (i.e., from 100 ppm to 1 ppm). EPA adopted that SCL in the ROD and UAO. GE may pursue laboratory measurement of actual, site-specific K_{oc} value(s) for PCBs at the Mill Street Area, which could lead to the development of a revised subsurface SCL for the Mill Street Area.

Activities Performed: The soil column study has not been initiated at this time. However, the soil boring, test pitting, monitoring well installation, and baseline groundwater sampling activities that were all precursors to the performance of the soil column study have been completed and documented herein.

Outcome: As previously indicated, representatives of the EPA and GE met on March 31, 2005 to discuss several items related to the RD phase of the project, including the soil column study. During that meeting, the following items were discussed: 1) EPA provided clarification regarding the applicability of the EPA's PCB Spill Policy in the vicinity of soil sampling location C01 located on the Draper property (as documented in Section 3.3.1 of the RD Work Plan and EPA's March 31 approval letter for the draft PD Report); and 2) the EPA acknowledged that excavation of soil from certain outlying areas, where sporadic, low-level concentrations of PCBs were observed, may not be necessary (or possible) due to constructability constraints. Based on these two clarifications, it was agreed by both the EPA and GE that performance of the soil column study was unnecessary. Additional details regarding such risk management decisions will be provided in subsequent design documents, as further discussed in Section 5.

4.6.5 Thermal Desorption Treatability Study

Data Needs: The Remedial Design for the ROD remedy must consider elements specific to the thermal desorption process, which will affect system construction, throughput, layout and operation. Primary data needs relate to treatment temperature and soil residence time. The output from the thermal desorption treatability testing will be used to determine treatment temperatures, residence times, and system throughput, all of which will assist with the design of the thermal treatment apparatus during the Remedial Design phase of the project. This information will be used in the design of the low temperature thermal desorption (LTTD) system to determine system and site layout, excavation rates, soil staging areas, and other related aspects of the remedial action.

The overall objectives of this treatability testing are to determine if thermal desorption of site soils will result in chemical concentrations in treated soils that will meet the SCLs, and to obtain other data useful for evaluating the implementation of the chosen technology and performance of the Remedial Design. Specific objectives for the study included:

- Provide initial characterization data for the soils by determining the concentrations of organic contaminants in the treatability test samples.
- Determine soil geotechnical and chemical properties to provide data useful in assessing material handling requirements.
- Determine the soil treatment temperature required to meet the SCLs.

- Characterize the off-gas from the thermally treated soil consistent with applicable and relevant air emission requirements.
- Conduct a carbon, chloride, and sulfur balance on the soils before and after thermal treatment.
- Determine the physical characterization of treated soils.

Activities Performed: Representative bulk soil samples were collected by Focus during test pitting activities at the Elm Street and Mill Street Areas, as described in Section 4.6.2 above. These tests began with baseline analyses for PCBs and other potential treatment variables (e.g., VOCs, SVOCs, arsenic [total], barium [total], cadmium [total], chromium [total], lead [total], mercury [total], selenium [total], and silver [total]) which provided the baseline soil characterization for comparison with the treated soil analyses. The treatability testing was then performed by thermally treating the Site soils on a bench-scale basis in a manner which is similar and directly scaleable to a full-scale LTTD treatment system. The collected samples were sent to Hazen Research, Inc. for performance of the thermal treatability study using a rotary thermal apparatus. Following bench-scale treatment, a compilation of analyses, including total carbon, hydrogen, nitrogen, sulfur, total chlorine/chloride, ash, moisture, volatiles, fixed carbon, and oxygen (by difference), was completed as well as post-treatment analyses for PCBs and the other potential treatment variables (listed above). Additional details regarding the test pitting activities, collection of representative bulk soil samples, and performance of the thermal treatability study are included in the *Thermal Treatability Study Report*, which is included in Appendix K.

Outcome: The thermal treatability study provided sufficient data to proceed with design of an LTTD system during the Remedial Design phase of the project. The data generated during the performance of the thermal treatability study are included in the Thermal Treatability Study Report, which is included in Appendix K.

4.6.6 Groundwater Treatability Testing

Data Needs: Treatment of potentially contaminated groundwater will be required as part of excavation dewatering activities at the Mill Street Area and, depending on the time of year during which excavation activities are performed (i.e., whether or not excavations are performed during periods of seasonal low groundwater), the Elm Street Area. An on-site treatment system will likely include components for equalization/storage, solids removal, organics (i.e., PCBs, VOCs, and SVOCs) treatment, and inorganics (i.e., metals) treatment. Discharge from an on-site treatment system may be routed to the Souhegan River or the Town of Milford Publicly Owned Treatment Works (POTW). The specific treatment technologies employed will be dependent upon:

- Influent groundwater chemistry;
- Required effluent limitations; and
- Evaluation of the overall efficiency and effectiveness of the treatment system.

Alternatively, depending upon volume, groundwater may be collected, transported and disposed of off-site at an approved treatment facility.

As a result, the PD Work Plan proposed the collection of groundwater samples to obtain information on the treatability characteristics of site groundwater to support the design of an on-site treatment system. The collection of samples was proposed from those wells at the Elm Street and Mill Street Areas located in close proximity to the highest observed concentrations of chemical constituents, primarily PCBs. As discussed below, this data need extends beyond the constituents subject to groundwater ICLs to include parameters that may influence operation and performance of selected treatment technologies.

The data generated during these activities will be used during the Remedial Design to establish the treatment system influent parameters for use in developing a basis of design, and will allow for pre-screening of treatment technologies to select potentially applicable technologies. This information, combined with volumetric testing (e.g., specific capacity testing) and data from future final design treatability testing (if performed), will be used to design an appropriate groundwater treatment system.

Activities Performed: As part of the specific capacity testing and/or well development, groundwater samples were collected and retained for groundwater treatability analysis. The PD Work Plan proposed the collection of such samples from three wells at the Elm Street Area (MW-03B, MW-26B, and MW-29B) and two wells at the Mill Street Area (MW-07A and MW-22A), which exhibited some of the highest constituent concentrations (primarily PCBs) observed at the Site.

Although the PD Work Plan proposed the collection of three rounds of groundwater samples during specific capacity testing activities, GE elected to collect only one round of samples on the basis that the data from that round of sampling, combined with a review of the constituent concentrations from the baseline groundwater monitoring event (Section 4.5.3) and future groundwater monitoring activities in accordance with the WMP (upon receipt of EPA approval of that plan and the supplemental groundwater sampling documents submitted on April 13, 2004) will provide sufficient data to design the groundwater treatment system. Should GE determine that additional groundwater treatability analyses are appropriate, such samples could be collected during the Remedial Design phase

at the same time as the supplemental investigations associated with the future utility corridor at the Elm Street Area (as described in Section 6.6) or during future groundwater monitoring activities performed in accordance with the WMP.

Groundwater treatability samples were collected from the five Site wells between February 3 and 5, 2004. The collected samples were submitted to STL for analysis of the following parameters:

- PCBs;
- VOCs;
- SVOCs;
- Inorganics (metals);
- Filtered Inorganics (metals);
- Ammonia;
- Alkalinity, Total;
- Alkalinity, Bicarbonate;
- Alkalinity, Carbonate;
- Bacteria;
- Biochemical Oxygen Demand;
- Chemical Oxygen Demand;
- Chloride;
- Nitrogen (Ammonia);
- Nitrogen, Kjeldahl;
- Nitrite as N;
- Nitrate as N;
- Oil and Grease;
- Phosphorus, Total;
- Solids, Total Dissolved;
- Solids, Total Suspended;
- Sulfate;
- Sulfide;
- Surfactants;
- Total Organic Carbon;
- pH;
- Color; and
- Turbidity.

Based on the results of the groundwater treatability analysis, certain technologies (e.g., carbon treatment, air stripping, ultraviolet [UV] oxidation, chemical addition, filtration, and biological processes) will be pre-screened as potentially applicable for on-site treatment of the groundwater. During the Remedial Design activities, the pre-screened treatment technologies will be further evaluated via treatability testing performed by the various treatment equipment vendors based on their specific technology/equipment. The results of this analysis will determine the final selected treatment train. In addition, the Remedial Design will consider discharge limitations by the local POTW.

Outcome: The groundwater treatability data are provided in Table 18. These data, combined with the results of the baseline groundwater sampling event described in Section 4.6.3 and any future groundwater data collected in accordance with the WMP will provide sufficient information to proceed with the pre-screening of potentially applicable technologies, the treatability testing, and ultimately the design of the groundwater treatment system during the Remedial Design phase of the project.

4.7 Data Quality Assessment

As requested by EPA, data validation reports for SDGs 121001 and 121901 were provided in a submittal dated June 16, 2004. EPA provided comments on those validation reports in a letter dated July 1, 2004. That letter also requested that GE provide the PCB chromatograms for both SDGs to EPA for review. Those comments were discussed in detail during a conference call between GE and EPA representatives on July 19, 2004. On August 27, GE provided written responses to EPA's July 1, 2004 letter. GE followed up that submittal with the requested PCB chromatograms for SDGs 121001 and 121901 on September 10, 2004. EPA provided comments on the PCB chromatograms on October 28, 2004 and GE provided responses to those comments on December 22, 2004.

Regarding correspondence specifically related to the delineation data set, the definition of delineation samples was also discussed at length during the July 19, 2004 conference call. During that call, EPA also indicated that the definition of delineation samples meant those samples on either side of the line delineating soils with constituent concentrations greater than the established SCLs and soils with constituent concentrations less than the established SCLs. Since this represented a modification of the definition of a delineation sample (as compared to the definition provided in the QAPP, indicating that samples containing concentrations in excess of the SCLs would not be subject to Tier II or Tier III levels of validation), GE provided a follow-up e-mail to EPA on July 23, 2004 requesting clarification of the definition of a delineation sample. EPA submitted a letter to GE on August 19, 2004 providing the requested clarification of the delineation sample definition. GE provided the delineation data set subject to Tier II and Tier III validation to EPA in a letter dated October 29, 2004. The samples included in that data set were consistent with the definition of a delineation sample, as provided in EPA's August 19, 2004 letter to GE. Finally, GE submitted an e-mail to EPA on December 3, 2004 providing additional details regarding the derivation of the delineation data set. With the exception of the PCB chromatograms, the above-listed correspondence regarding the data validation and the delineation data set are provided in Appendix L. The remainder of this section provides an overview of the data validation and verification activities performed for the pre-design investigation data.

Data validation was performed in accordance with the procedures presented in Section 20 of the QAPP, as well as the aforementioned correspondence. Based on the requirements specified therein, 100% of the soil sample data were subject to Tier I validation, 25% of the samples included in the October 29, 2004 delineation data set were subjected to Tier II validation and 10% of the samples subject to Tier II validation were subjected to Tier III validation. During the Tier I and Tier II validation process no major QA/QC deviations, which would result in the rejection of data, were identified. Therefore, none of the data were subject to higher levels of data validation. The delineation

data set included in GE's October 29, 2004 letter to EPA included approximately 930 PCB samples. Approximately 260 samples (approximately 28%) were subjected to Tier II validation and approximately 40 (approximately 15%) of the samples subject to Tier II validation were subjected to Tier III validation.

As indicated in GE's August 27, 2004 letter to EPA, the following modifications were incorporated into the data validation reports in Appendix L:

- Quality control (QC) criteria for surrogate recoveries, matrix spike recoveries, and laboratory control samples were documented in the Tier II and III data validation reports.

- Text included in the example data validation reports submitted on June 16, 2004 inadvertently referred to corrected Form 1s. The data validation reports presented in Appendix L were modified such that "corrected" has been replaced with "validated".

- Where applicable, the "A" qualifier was added to the qualifier summary table in the qualifier column indicating that the sample data is acceptable.

- All field duplicate evaluations were documented in the data validation reports associated with the sample delivery group (SDG) of the parent sample.

- In the instances were a MS/MSD was not included in a SDG, the overall precision and accuracy of that SDG was addressed by evaluating MS/MSD samples from a nearby (and, if possible, adjacent) sample location collected within a one week time-frame of the samples in the subject SDG. The results of that evaluation were then used to ensure the usability of the data in the subject SDG.

In conducting the data validation and reduction, all laboratory qualifiers documented on the Form Is were addressed to ensure the usability of the data for the end user regardless of the level of review. USEPA data validation guidelines were followed when assessing the laboratory data qualifiers documented on the Form Is. None of the addressed data qualifiers resulted in rejection of data. The majority of the identified laboratory qualifiers reported on the Form Is included the following:

- "B"- The compound was found in the sample as well as the associated method blank; its presence in the sample may be suspect.

- "P"- The percent difference of the detected target compound concentration between the primary and secondary GC columns is greater than 25%.

Additional information regarding the evaluation of these data qualifiers (as well as other laboratory and validation qualifiers utilized during data validation) is provided in the individual data validation reports included in Appendix L.

Soil sample analytical data was reviewed as it was received from the laboratory throughout the pre-design investigations. During one such review, an extreme percent difference was documented between sample results for parent sample location MSSB-C07E (7-9) and the corresponding duplicate sample, MSDUP39. A review of the soil sample data for the remainder of the soil samples collected from that same soil boring indicated that the detected concentrations were consistent with the result for the parent sample location (i.e., all other samples in the boring were below the subsurface SCL of 1 ppm). As a result, both the sample and duplicate were re-extracted and reanalyzed for PCBs. The results of both analyses are included in Table 11 and are tabulated below.

Field Duplicate Evaluation				
Sample ID / Duplicate ID	**Compound**	**Sample Result**	**Duplicate Result**	**RPD**
MSSB-C07E (7-9)/ MSDUP39	Aroclor-1248	0.034J	230	200%
	Aroclor-1254	0.037U	63J	--
	Total Polychlorinated Biphenyls (8082)	0.034J	290	200%
MSSB-C07E (7-9)RE/ MSDUP39RE	Aroclor-1248	0.031J	0.041	27.7%
	Aroclor-1254	0.013J	0.016J	20.6%
	Total Polychlorinated Biphenyls (8082)	0.044	0.057	25.7%

Although this re-extraction and reanalysis was performed outside of the holding time, the results of the reanalyzed parent sample and duplicate were consistent with the original parent sample result. As a result, the positive sample results of the original duplicate analysis were qualified as estimated.

4.8 Data Usability Assessment

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 and/or Tier III data review to determine overall data usability. As specified in the FSP/QAPP, the overall precision, accuracy, representativeness, comparability, completeness, and sensitivity (PARCCS) parameters determined from the Tier I and Tier II data reviews were used as indicators of overall data usability. These parameters were assessed through an evaluation of the results of the field and laboratory QA/QC sample analyses to provide a measure of compliance of the analytical data with the data quality objectives (DQOs) specified in the FSP/QAPP. Summaries of the comparison of the pre-design data to the PARCCS parameters are provided below.

Precision

Precision was evaluated by comparing the sample data and the corresponding sample duplicate data to the relative percent difference criteria (RPD) specified in the QAPP. Of the 98 soil PCB field duplicate samples collected 18 field duplicate pairs exhibited a RPD greater than 50 % resulting in qualification of the associated data as estimated. Of these eighteen duplicate pairs that did not meet the 50% RPD criteria, only five of the pairs straddled the SCLs specified for the Site, including: two in Elm Street surface soils (ESSB-I06 and ESSS-R18E, both 0-1' samples) and three in Mill Street subsurface soils (MSSB-C07E [7-9']; MSSB-F06 and SB-14 [both 1-2' samples]). Since the surface soil will be removed in the area of the sample locations in question at the Elm Street Area, these results do not impact the decision regarding the need for remediation to achieve the Site SCLs at these locations. Regarding Mill Street sample locations MSSB-F06 and SB-14, there are other exceedances of the subsurface SCL in the vicinity of these sample locations. Therefore, the fact that the 50% RPD criteria were not met should not impact decisions regarding the need for remediation at these locations. Regarding MSSB-C07E, the concentration for the sample duplicate (290 ppm) were inconsistent with the remainder of the soil sample data collected from that soil boring. As a result, those samples were reanalyzed as indicated in Table 12A.

As indicated in Section 4.7, certain soil samples were qualified with a "P" by the analytical laboratory. Application of that qualifier indicates that a greater than 25% difference was reported by the laboratory between the two columns used during the analysis. However, as a conservative measure, the laboratory always reported the higher of the two concentrations, so any decisions regarding the need for remediation to achieve the Site SCLs will necessarily be based on the most conservative data. In summary, GE believes the accuracy of this data set is good and should not impact decisions regarding achievement of the Site SCLs.

Accuracy

Accuracy was evaluated by comparing the results of QA/QC data (i.e., matrix spike/matrix spike duplicate samples and laboratory control samples [LCS]) collected as part of the pre-design investigation sampling program to the results of the other field sample data collected during the pre-design investigations and included in the sample delivery groups (SDGs) processed by the laboratory. As specified in the QAPP, MS/MSD samples were collected on an approximate frequency of one MS/MSD pair per twenty samples. As indicated in the Section 4.7, for SDGs which did not include MS/MSDs, the accuracy of the data in those SDGs was evaluated by utilizing MS/MSDs associated with adjacent sample locations. Further, only three samples [i.e., ESSB-O10 (3-5), ESSB-K18N (3-5), and ESSP-L16 (9-11)] out of a data set of 95_samples were outside of MS/MSD criteria resulting only in estimation of the detected PCB concentration of these samples. The LCS associated with the deviant MS/MSD recoveries exhibited recoveries within control limits demonstrating a matrix interference of the MS/MSD analysis. In summary, GE believes the accuracy of this data set is good and should not impact decisions regarding achievement of the Site SCLs.

Representativeness/Comparability

Representativeness/Comparability was achieved through the use of the field sample collection methods and laboratory analytical methods prescribed in the SAP-FSP/QAPP. Comparability was determined through a comparison of the laboratory analytical data from the pre-design investigations to the data generated by EPA during the RI. The observed concentrations in the pre-design data collected by GE are comparable to previous data collected by EPA during RI. Thus the pre-design data is comparable to historical data and appears to be representative of present site conditions.

Completeness

Completeness is defined as a measure of the total amount of valid data obtained during the pre-design investigations versus the total amount of data that was proposed for collection. As indicated in Section 4.6, an extensive amount of data was successfully collected at the Site. However, as also indicated in Sections 4.6 and 6, there are areas of the Site (including the future utility corridor) where the horizontal and vertical limits of soil removal have not yet been finalized. However, as also indicated herein, those data gaps will be address by the collection of performance of additional delineation sampling during the Remedial Design phase of the project, or by the performance of

confirmatory soil sampling activities during the Remedial Action phase of the project. As a result, these data gaps do not represent a lack of completeness.

Sensitivity

Sensitivity is a quantitative measure to determine if the analytical laboratory's procedures/methodologies and their associated method detection limits can satisfy the project requirements as they relate to the project action limits (i.e., SCLs). As indicated in Section 3, EPA issued and ESD related to the detection limits for certain non-PCB constituents. As a result of EPA issuing this ESD, the detection limits specified in Table 3 of the QAPP were achieved for the majority of the pre-design investigation data. Thus the data is sensitive enough to make remedial decisions about soil concentrations at or around the SCL.

With respect to overall data usability, the analytical data was evaluated 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. Data completeness with respect to usability was calculated separately for inorganic and each of the organic analyses. The percent usability calculation included analyses evaluated under Tier I, Tier II and Tier III data validation reviews. The overall usability of the soil sample analytical data set is 100%, which is greater than the minimum required usability of 90% specified in the Section 11.6 of the QAPP. In conclusion, the data generated during the pre-design investigations satisfy the PARCCS parameters and are considered usable for the purpose of designing the Site Remedy.

The pre-design data set will be used to develop preliminary limits of removal based on locations/samples containing PCBs in excess of the Site SCLs. Specifically, the Preliminary (30%) Design will identify each of the samples containing PCBs in excess of the SCLs specified for the Site and the preliminary limits of soil removal associated with each such sample. Where appropriate, the preliminary design will combine adjacent sample locations which contain samples exceeding the SCLs at similar proposed excavation depths. The preliminary limits of soil removal will be determined either through the use of: (1) soil samples containing PCBs below the applicable SCLs; (2) confirmatory soil sampling activities; and/or (3) risk management decisions.

5. Post Pre-Design Investigation Activities

5.1 Overview

Upon completion of the Phase 2 pre-design investigation activities on August 26, 2004, BBL demobilized from the Site. Since demobilization, BBL personnel have returned to the Site to perform miscellaneous activities including oversight of consolidation and removal of IDW, as well as miscellaneous support zone and Site security tasks. As further discussed in Sections 4.5.7 and 6.3, BBL personnel will return to the Site in January 2005 to conduct groundwater elevation monitoring.

5.2 Consolidation and Off-Site Disposal of Investigation-Derived Waste

GE coordinated the off-site transport of IDW generated during the pre-design investigation activities described herein. Specifically, on June 22, 2004 approximately 2,600 gallons of IDW water generated during GE's pre-design soil boring and monitoring well installation programs were pumped from an on-site holding tank and sent off-site for disposal via tanker truck. The following day, approximately 43 drums of solid IDW (soil, PPE, and disposable sampling supplies) generated during GE's pre-design soil boring and monitoring well installation programs were consolidated into one roll-off container and sent off-site for disposal. Finally, on October 7, 2004 approximately two drums of soil, 26 empty drums, and 240 cubic feet of disposable PPE and sampling materials were consolidated into a roll-off container and sent for off-site disposal.

On each occasion, pre-design investigation analytical data were used to develop profiles for the soil and groundwater IDW generated during those investigations. Most of the solid IDW contained PCBs at concentrations greater than 50 ppm. As a result, it was determined that the solid IDW would be handled as TSCA material. Marcor Remediation, Inc., under subcontract to BBL, assisted with the consolidation and loading of the solid and liquid IDW for transportation and ultimate disposal at Chemical Waste Management's Model City disposal facility located in Model City, New York. BBL personnel were present on Site to review the waste profiles, observe the waste consolidation activities, and sign the waste manifests as the generator on behalf of GE. Copies of the manifests for the IDW are provided in Appendix C.

A small quantity of IDW remains at the Site. These remaining wastes including residual soils and water associated with performance of the thermal treatability study (received at the Site by BBL personnel on November 18, 2004), approximately one drum of investigation-derived water, some bedrock cores, and one drum containing groundwater from investigations performed at monitoring well MW-21C. GE will continue to manage and coordinate the removal and off-site disposal of investigation-derived wastes as necessary.

5.3 Support Zone Activities

BBL personnel arranged for the removal of the support zone sanitary facilities, non-regulated waste dumpster, office trailer, and storage shed. In addition, BBL personnel coordinated with the Town of Milford to remove the office trailer and the storage shed and replace both with one combined office/equipment storage trailer. Demobilization of the office trailer on September 30, 2004 involved the removal and replacement of electric utilities and a limited portion of the fence surrounding the support zone. Communication equipment that was removed from the office trailer has been stored for reuse when activities resume at the Site. The equipment storage shed was removed from the Site on October 7, 2004.

5.4 Site Security

The temporary fencing at the Mill Street Area that was originally installed to serve as an exclusion zone during the pre-design investigation was extended to the railroad bed to further restrict future public access to Site soils. The same temporary fence was subsequently replaced with more substantial wire mesh fencing measuring 4 feet in height on September 30, 2004. (Although not performed as a post pre-design investigation activity, it should be noted that similar Site security activities were performed at the Elm Street Area, with the installation of temporary fencing along the riverbank adjacent to the Elm Street Area to further restrict public access to these soils. Those activities were performed in July 2004, prior to the final delineation soil sampling mobilization. In addition, based on additional concerns expressed by EPA regarding public access to the riverbank adjacent to the Elm Street Area, and based on recent discussions between GE and the Town of Milford, additional warning signage will be prominently posted along the banks of the river adjacent to the Elm Street Area.)

6. Actual/Potential Outstanding Data Needs

6.1 Overview

As indicated in Section 4 of this PD Report, the pre-design investigations performed to date at the Site have resulted in the collection of the majority of the data necessary to design the remedy for the Site. However, certain data needs were not or could not be addressed during the pre-design investigation phase of this project. The remainder of this section provides additional information regarding actual and potential outstanding data needs associated with the Site, including:

- Property lines/boundaries at the Elm Street Area property;
- Performance of a timely, comprehensive traffic survey;
- Completion of the monthly elevation monitoring activities proposed in the PD Work Plan;
- Collection of supplemental geotechnical data;
- Location and alignment of the future utility corridor at/adjacent to the Elm Street Area;
- Performance of additional soil sampling delineation activities; and
- Performance of the soil column study proposed in the PD Work Plan.

While it is anticipated that the activities necessary to address the majority of these data needs will be completed during the Remedial Design phase of this project, specific information regarding the schedule for performance of those activities is provided in Section 7. Additional details regarding each of the outstanding data needs and the activities proposed to address these needs are provided below.

6.2 Elm Street Area Property Lines

During performance of Site survey activities (Section 4.5.1), Meridian identified two locations within/adjacent to the Elm Street Area where the exact locations of the property lines were unclear. Specifically, Meridian documented conflicting information between certain researched reference plans on file with the Town of Milford, as illustrated on Figure 2. Since the areas in question are located between the Elm Street Area and abutting properties also owned by the Town of Milford (i.e., Keyes field and the cemetery), it is not anticipated that resolution of the property lines in

the two areas in question would be required in order to implement the remedy for the Site. As a result, no further activities are anticipated to resolve this issue.

6.3 Traffic Survey

Preliminary information regarding traffic and rail patterns and flows in the vicinity of the Site was collected during the pre-design investigations documented herein (Section 4.5.4). However, a Site-specific traffic survey, beyond those performed by the Town and NHDOT was not performed during the pre-design investigation activities since the timing of that survey would likely have produced data that is outdated by the time the remedy is implemented. As a result, GE elected to defer the performance of a potential Site-specific traffic survey until the Remedial Design phase of the project, when the general scope of the remedial actions at the Site and the impacts to local traffic patterns become more clear.

A Site-specific traffic survey will be developed and deployed during the Remedial Design Phase in coordination with the Town, NHDOT, and/or Boston & Maine Railroad (B&M), as appropriate. The procedures to be used will depend on the information obtained from the Town, NHDOT, and B&M Railroad, as well as discussions with representatives of each organization as to the appropriate methodologies for such a survey. Such a survey may include one or more of the following methodologies/procedures:

- To estimate traffic volume, automatic counting devices would be deployed on Elm Street, Mill Street, and Keyes Drive to measure and record the number of vehicles using these roads. The output from these activities would include refined estimates of average and peak daily traffic volume.

- To estimate traffic type, a manual survey may be performed in which personnel physically observe and record the types of vehicles using Elm Street, Mill Street, and Keyes Drive. This would also include manual observation of rail traffic. A representative sampling of traffic types would be observed and recorded for a 10-minute period once every 6 hours over a 24-hour period (four sampling periods per day). This would be conducted on 2 days during the work week (Monday through Friday) and over a weekend. The output from this activity would be combined with the volume estimates to better understand type, volume, and timing of traffic in the vicinity of the Site.

- To estimate pedestrian volume and type, observations of pedestrian volume and type would be conducted as part of the manual survey activities described above. Alternative routing of pedestrian traffic, which may be necessary during the remedial action activities, will be addressed in the Remedial Design and subsequently the *Remedial Action Work Plan*.

- To evaluate the condition of Elm Street, a detailed visual inspection would be conducted on Elm Street for a section extending westward from the Elm Street Area to the entrance onto NH State Route 101 (approximately 4 miles). This inspection would examine the existing condition of the roadway and significant structural features, which may be affected by added traffic volume and weight due to the remedial actions. This inspection would also examine overhead clearance and rated road capacities. A similar inspection would be performed for any identified alternate transportation routes.

To determine potential off-site truck staging areas, a reconnaissance would be made to identify such potential staging areas. The area to be examined would include the major corridors in and around Milford including State Routes 101 and 101A.

6.4 Twelfth Round of Elevation Monitoring

Section 4.5.7 of this PD Report indicated that the 12th and final round of monthly elevation monitoring events will be performed in January 2005. Consistent with the activities documented in Section 4.5.7, the January 2005 monthly elevation monitoring event will be performed in accordance with the procedures specified in Appendix L of the FSP, and the results of that monitoring event will be included in the January 2005 Monthly Report submitted to EPA on February 10, 2005. The data from that monitoring event will be compared to the data presented in Section 4.5.7 of this PD Report and utilized as appropriate in the design of the remedy for the Site.

6.5 Supplemental Soil Sampling for Physical/Geotechnical Parameters

As indicated in Section 4.6, certain soil samples proposed for physical/geotechnical parameters analysis were not collected with Shelby tubes. Based on the homogeneity of the soils observed during the soil boring program, the data collected during the monitoring well installation and test pitting activities, as well as information documented in field notes and soil boring logs, sufficient information is available to proceed with design of any necessary excavation controls for use during performance of the remedy for the Site. However, in the event that additional

physical/geotechnical data are deemed necessary to design such excavation controls, additional samples will be collected for physical/geotechnical parameters (i.e., soil classification, organic carbon content, porosity, bulk density, grain size, Atterberg limits, Proctor density, compressive strength, gradational analysis, specific gravity, and triaxial compression) at the same time as the investigation activities associated with the delineation of the future utility corridor at the Elm Street Area (i.e., during the Remedial Design phase of the project), which is further discussed in Section 6.6.

6.6 Future Elm Street Area Utility Corridor

The ROD indicates that the location of a future utility corridor at the Elm Street Area will be identified by the Town of Milford during the Remedial Design phase of this project. Upon determination of the location for that future utility corridor, additional investigation activities will be required to delineate the extent of soils with PCB concentrations greater than the specified SCL for the corridor. Specifically, the ROD requires that all soils in the 1- to 10-foot depth increment within the horizontal limits of the corridor must not contain PCBs at concentrations greater than the specified SCL of 25 ppm (this SCL is not applicable to the surface soil located within the utility corridor [i.e., 0- to 1-foot depth increment], since the SCL of 1 ppm for all surface soils at the Elm Street Area is more conservative). Once the location of the future utility corridor is selected by Town of Milford representatives, GE will develop a supplemental sampling proposal for review and approval by EPA. To the extent possible, that proposal will utilize the pre-design investigation data to assist with the characterization of the soils located within the proposed utility corridor. Following receipt of EPA approval, GE will implement the supplemental investigations, including the collection of all proposed soil samples in accordance with the procedures presented in Appendix A of the FSP. All collected soil samples will be analyzed for PCBs in accordance with the analytical methods specified in the QAPP.

6.7 Additional Horizontal/Vertical Delineation Activities

The soil sampling activities performed by GE at the Elm Street and Mill Street Areas to delineate the extent of soils exceeding the surface and subsurface SCLs at each location were detailed in Section 4.6.1 of this PD Report. As discussed therein, the extent of soils exceeding those SCLs are subject to further delineation at each area. Additional information regarding sample locations subject to further delineation activities at both the Elm Street and Mill Street Areas is provided below.

6.7.1 Elm Street Area

As indicated in Section 4.6.1.1, soil samples in three areas require additional delineation activities to determine the horizontal and vertical extent of soils containing PCBs in excess of the SCLs. The first of these areas is located west of Keyes Drive. As indicated in Section 3.3, EPA has indicated that an SCL of 1 ppm is appropriate for subsurface soils west of Keyes Drive. As a result, the horizontal extent soils exceeding the subsurface SCL of 1 ppm associated with the 1- to 2-foot depth increment at location H03 require further delineation. The second area at which additional delineation activities will be required is in the vicinity of certain surface soil samples collected along Elm Street. Specifically, surface sample locations T20, T20S, and T20SS all contain PCBs in excess of the surface SCL of 1 ppm. Finally, certain surface and subsurface sample locations collected along the boundary of the Elm Street Area and the cemetery will require additional delineation. These locations include surface samples R18E and R20N (collected along the east-west running boundary between the two properties), which were collected at the request of EPA within the cemetery. In addition, the horizontal extent of subsurface soils containing PCBs in excess of the subsurface SCL at locations K18E and N18 (collected along the north-south running boundary between the two properties) will require additional delineation sampling activities.

6.7.2 Mill Street Area

As indicated in Section 4.6.1.2, additional delineation activities to determine the horizontal and vertical extent of soils containing PCBs in excess of the subsurface SCL is necessary south of the Mill Street Area along Mill Street. Specifically, samples collected from the following locations require additional delineation activities: F06, F08, F09, and F10 (exceedances to 2 feet below grade); SF-04G-1 (exceedances to 3 feet below grade); SB-12 (exceedances to 5 feet below grade); and E13E (exceedances to 9 feet below grade). Regarding the potential delineation data need in the vicinity of the railroad tracks, EPA did not require additional horizontal delineation activities in the vicinity of the railroad tracks for locations B13, C14, C15, and B17/C17 due to the sporadic, low detected concentrations of PCBs (i.e., concentrations marginally greater than the subsurface SCL), as documented in Section 4.6.1.2.

6.7.3 Proposed Activities to Address Data Needs

Section 6.6 states that GE will develop a supplemental sampling proposal during the Remedial Design phase of this project to perform the delineation activities associated with the future utility corridor at the Elm Street Area. Additional sampling will be proposed in that supplemental sampling proposal to address the data needs associated with the delineation of soils in excess of the specified SCLs for the Elm Street and Mill Street Areas. Following receipt of EPA approval of the supplemental sampling proposal, GE will implement the supplemental investigations, including the collection of all proposed soil samples in accordance with the procedures presented in Appendix A of the FSP. All collected soil samples will be analyzed for PCBs in accordance with the analytical methods specified in the QAPP.

6.8 Soil Column Study

As indicated in Section 4.6.4, representatives of the EPA and GE met on March 31, 2005 to discuss several items related to the RD phase of the project, including the soil column study. During that meeting, the following items were discussed: 1) EPA provided clarification regarding the applicability of the EPA's PCB Spill Policy in the vicinity of soil sampling location C01 located on the Draper property (as documented in Section 3.3.1 of the RD Work Plan and EPA's March 31 approval letter for the draft PD Report; and 2) the EPA acknowledged that excavation of soil from certain outlying areas, where sporadic, low-level concentrations of PCBs were observed, may not be necessary (or possible) due to constructability constraints. Based on these two clarifications, it was agreed by both the EPA and GE that performance of the soil column study was unnecessary. Additional details regarding such risk management decisions will be provided in subsequent design documents, as further discussed in Section 5.

7. Future Activities and Schedule

7.1 Supplemental Pre-Design Investigations

The completion of the pre-design investigation activities documented herein essentially represents the end of the pre-design investigation phase of this project. However, Section 6 of this PD Report documented certain additional investigation activities proposed to address outstanding data needs associated with the pre-design investigations performed to date at this Site. As indicated in Section 6, GE intends to perform these supplemental pre-design investigations during the upcoming Remedial Design phase of this project. The most significant of those data needs is associated with the additional delineation activities for soils within the future utility corridor at the Elm Street Area. As indicated in Section 6.6, GE will prepare a supplemental sampling proposal for those delineation activities for EPA review and approval upon identification of the location for the future utility corridor by Town of Milford representatives. That proposal will also include additional investigation activities to address the majority of the remaining data needs described in Section 6 (i.e., additional horizontal and vertical delineation activities; additional physical/geotechnical sampling, if necessary; and collection of representative soil and groundwater samples for the performance of a potential soil column study, if necessary). That proposal will also include additional information regarding the schedule for completion of the proposed investigation activities. Upon receipt of EPA approval for those supplemental investigations, GE will implement the activities proposed therein.

The remaining data needs will be addressed on a separate schedule (i.e., the 12th round of groundwater elevation monitoring will be completed in January 2005 and the performance of a potential traffic survey will be completed during the Remedial Design phase of the project and those results will be included in the Remedial Design.). Finally, should GE elect to perform the soil column study, that study could be completed within approximately 6 months following receipt of EPA approval of the Soil Column/Leaching Study Work Plan and subsequent collection of the representative soil and groundwater samples for use in that study.

7.2 Remedial Design Work Plan

The first activity associated with the Remedial Design phase of this project involves the preparation of a Remedial Design Work Plan (RD Work Plan). As indicated in Section 1.2, the RD Work Plan will include a discussion of the design of both the ROD Remedy and the proposed Off-Site Disposal Remedy, which will be designed on a dual-

track basis. The scope of the RD Work Plan is described in Paragraphs 80 through 85 of the UAO. As indicated in Paragraph 80, the RD Work Plan will include a step-by-step plan for completing the Remedial Design for the remedy described in the ROD and ESD and for attaining and maintaining all requirements, including Performance Standards, identified in the ROD, ESD, and SOW. The RD Work Plan will describe in detail, the tasks and deliverables that will be completed during the Remedial Design phase of the project and provide a schedule for completing those tasks and deliverables. Specifically, the RD Work Plan will include detailed descriptions and schedules for completion of the following major tasks and deliverables: the preliminary design; the intermediate design conference (which, based on the First Modification to the UAO, replaces the intermediate design and pre-final design specified in the UAO); the final design; a revised Project Operations Plan; a Contingency Plan; and the results of any treatability studies.

Section V C 1 of the SOW (which is Attachment C to the UAO) includes additional information regarding the scope of the RD Work Plan. As indicated therein, the RD Work Plan shall also include detailed descriptions of all activities to be undertaken in connection with any investigations necessary for the design and implementation of the Remedial Action. Those descriptions will include a statement of purpose and objectives of the investigations, identification of the specific activities necessary to complete the investigation and a detailed schedule for performance of the investigation. In addition, the RD Work Plan will include detailed descriptions of the following activities to be performed during the Remedial Design phase of the project:

- Evaluation of soil and sediment excavation and dewatering techniques, including sediment and soil excavation performed along the banks of the Souhegan River.

- Performance of a topographical or otherwise appropriate survey to delineate property boundaries, utilities, rights-of-way, and easements to establish the necessary institutional controls for the Site.

- An evaluation of the screening method(s) to be used to segregate out the debris (i.e., landfill, building debris, tanks and oversized materials) on the Site, and the method(s) of treating/disposing of these materials.

- An evaluation of the handling, treatment/disposal of the RI IDW.

- An evaluation of the NH Groundwater Management Zone Permit Criteria.

- Any other investigations proposed by EPA, NHDES, or GE.

Finally, the RD Work Plan will include any appropriate updates regarding the performance of the supplemental investigations proposed in Section 6 of this PD Report. In accordance with the First Modification to the UAO, GE proposes to submit the RD Work Plan containing the above-listed information within 90 days of receipt of EPA approval of this PD Report.

Tables

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

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TABLE 1
EPA RI PCB SOIL SAMPLE DATA

PRE-DESIGN REPORT
FLETCHER'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NH
(Results are presented in parts per million, ppm)

SAMPLE ID	DEPTH	DATE	TOTAL PCBs (ppm)
ELM STREET			
1-CG-S07-A	0-2	1/15/2001	0.023 J
1-CG-S08-A	2-4	1/15/2001	ND(0.042)
1-CG-S09-A	4-6	1/15/2001	ND(0.042)
1-CS-S01-A	0-1	1/10/2001	1.20
1-CS-S02-A	0-1	1/10/2001	0.20
1-CS-S03-A	0-1	1/10/2001	2.20 [1.90]
2-CG-S01-A	0-2	1/15/2001	3.40
2-CG-S02-A	2-4	1/15/2001	ND(0.040)
2-CG-S03-A	4-6	1/15/2001	ND(0.044)
2-CG-S04-A	0-2	1/15/2001	4.90
2-CG-S05-A	2-4	1/15/2001	27.90
2-CG-S06-A	4-6	1/15/2001	218
2-CS-S04-A	0-1	1/15/2001	111
2-CS-S05-A	0-1	1/17/2001	1,560
3-CS-S06-A	0-1	1/17/2001	9.60
3-CS-S07-A	0-1	1/17/2001	3.90
3-CS-S08-A	0-1	1/17/2001	7.90
3-CS-S09-A	0-1	1/17/2001	1.40
EB-01A	40-41.5	10/30/91	ND*
EB-01B	20-21.5	11/04/91	ND*
EB-02A	1-3	10/30/92	12.0
EB-02A	24-28	10/30/92	1.2 J
EB-02B	25-28	11/21/93	0.46
EB-03A	45-46.5	11/08/91	0.041
EB-03B	7-9	11/13/91	20.0 J
EB-03B	11-13	11/13/91	150 J
EB-03B	15-21	11/13/91	3.70 J [5.70 J]
EB-04A	17-19	11/19/91	0.29
EB-15	1-2.5	11/06/91	5,000 J
EB-15	24-26	11/06/91	8.8 J
EB-16	20-21.5	11/14/91	0.069 J
EB-16	38-39.5	11/14/91	0.019 J
EB-17	10-12	11/04/91	11.0 J
EB-17	27-29	11/05/91	90.0 J
EB-18B	17-18	12/12/91	ND(0.077)
EB-18B	22-25	12/12/91	ND(0.080)
EB-18B	55-56.5	12/12/91	ND(0.077)
EB-20A	0-4	11/30/93	6.20 J [0.13]
EB-20A	12-14	11/30/93	2.60 J
EB-20A	26-30	12/01/93	13.0 J

See Notes on Page 4.

TABLE 1
EPA RI PCB SOIL SAMPLE DATA

PRE-DESIGN REPORT
FLETCHER'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NH
(Results are presented in parts per million, ppm)

SAMPLE ID	DEPTH	DATE	TOTAL PCBs (ppm)
ELM STREET (continued)			
SS-04	0-0.5	12/03/91	ND(0.3)
SS-04	7-9	12/03/91	0.052
SS-15	0-1	11/09/93	1,100 J
SS-16	0-1	11/04/93	1.97 J
SS-17	0-1	11/09/93	550 J
SS-18	0-1	11/04/93	7.8 J
SS-19	0-1	11/09/93	227
SS-20	0-1	11/09/93	311
SS-21	0-1	11/08/93	280 J
SS-22	0-1	11/09/93	2.8 J
SS-23	0-1	11/09/93	93.0 J
SS-24	0-1	11/09/93	ND*
SS-25	0-1	11/04/93	1.09 J
SS-26	0-1	11/10/93	1,300 J
SS-27	0-1	11/08/93	1.54 J
SS-28	0-1	11/09/93	14.6 J
SS-29	0-1	11/08/93	0.196 J
SS-38	0-1	11/09/93	100.0 J
SS-39	0-1	11/08/93	19.8 J [21.1 J]
SS-40	0-1	11/10/93	2.07 J [8.2 J]
MILL STREET			
EB-07A	4-5.5	11/15/91	0.89
EB-09A	4-8	12/02/91	0.22 [0.210]
EB-12	1-3	11/06/91	26,700 J
EB-13	5-8.5	11/13/91	13.0 J
EB-13	15-16.5	11/13/91	1.40 J
EB-14	4-6	11/07/91	20.0
EB-14	12-16	11/07/91	0.99
EB-21C-1	0-4	11/22/93	9,400 J [9,600 J]
EB-21C-2	0-4	11/22/93	100.0
EB-21C-3	0-4	11/22/93	89.0
EB-21C	8-10	11/22/93	780 J
EB-21C	12-14	11/22/93	190 J
SS-05	0-1	11/04/93	19.0 J
SS-12	0-1	11/04/93	6.29 J
SS-13	0-1	12/02/93	7.60 J
SS-14	0-1	11/04/93	20.80 J
OFF-SITE			
EB-05A	12-14	11/21/91	0.027 J
EB-05A	42-44	11/21/91	ND(0.086)

See Notes on Page 4.

TABLE 1
EPA RI PCB SOIL SAMPLE DATA

PRE-DESIGN REPORT
FLETCHER'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NH
(Results are presented in parts per million, ppm)

SAMPLE ID	DEPTH	DATE	TOTAL PCBs (ppm)
OFF-SITE (continued)			
EB-06C	20-22	11/26/91	ND(0.084)
EB-06C	53-55	12/02/91	ND(0.073)
EB-08A	4-6	12/11/91	ND(0.076)
EB-10A	8-9.5	11/20/91	ND(0.080)
EB-10A	17.5-20	11/20/91	ND(0.075)
EB-11A	30-31.5	12/04/91	0.023 J
EB-11A	73-77	12/04/91	ND(0.074)
EB-19	18-21.5	12/10/91	ND(0.16)
SS-01	0-0.5	11/19/91	3.0
SS-01	6-7	11/19/91	0.072
SS-02	0-0.5	11/20/91	6.9
SS-02	6.5-8	11/20/91	0.079
SS-03	0-0.5	12/02/91	42.0
SS-03	5.5-7.5	12/02/91	0.32
SS-06	0-1	11/04/93	0.32 J
SS-07	0-1	11/04/93	36.0 J
SS-08	0-1	11/04/93	13.0 J
SS-09	0-1	11/04/93	2.90 J
SS-10	0-1	11/04/93	1.60 J
SS-11	0-1	11/04/93	5.40 J [3.00 J]
SS-30	0-1	11/05/93	0.074 J
SS-31	0-1	11/05/93	ND
SS-32	0-1	11/05/93	ND*
SS-33	0-1	11/05/93	0.088 J
SS-34	0-1	11/05/93	0.019 J
SS-35	0-1	11/08/93	ND*
SS-36	0-1	11/08/93	0.11
SS-37	0-1	11/08/93	ND* [ND*]
SS-41	0-1	11/05/93	0.4 J
SS-42	0-1	11/05/93	ND
SS-43	0-1	11/05/93	0.58 J
SS-44	0-1	11/05/93	0.14 J
SS-45	0-1	11/08/93	0.55 J
SS-46	0-1	11/08/93	ND
SS-47	0-1	11/08/93	ND
SS-48	0-1	11/10/93	3.3 J

See Notes on Page 4.

TABLE 1
EXISTING PCB SOIL SAMPLE DATA

PRE-DESIGN REPORT
FLETCHER'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NH

Notes:
1. J = Estimated.
2. ND = Not detected. Detection limits are presented in parentheses (if available).
3. ND* = Not detected (* = information concerning detection limit is not available).
4. Duplicate results are presented in brackets.
5. Data from samples beginning with SS (surface sample) or EB (exploratory boring) were obtained from the following sources:
   Elm or Mill Street Surface Soil Chemical Data Summary Tables (Tables 4-13 and 4-22, respectively); and Elm or Mill Street Exploratory Boring Sampling Chemical Data Summary Tables (Tables 4-14 and 4-23, respectively) from the *Final Remedial Investigation for Fletcher's Paint Site*, Milford, NH, July 1, 1994. Detection limits and sample dates for certain samples were obtained from other tables or boring logs contained in that document.
6. Data from samples with CG (confirmatory geoprobe) or CS (confirmatory surface) prefixes are samples collected during building demolition activities performed by EPA at the Elm Street Area between December 2000 and January 2001. Split samples were collected by Blasland, Bouck & Lee, Inc. and submitted to CT&E Environmental Services, Inc. for PCB analyses.

TABLE 2
EPA RI NON-PCB SOIL SAMPLE DATA

PRE-DESIGN REPORT
FLETCHER'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NH
(Results are presented in parts per million, ppm)

SAMPLE ID	DEPTH	DATE	ARSENIC (ppm)	BENZO(a) ANTHRACENE (ppm)	BENZO(a) PYRENE (ppm)	BENZO(b) FLUORANTHENE (ppm)
ELM STREET						
EB-01A	40-41.5	10/30/91	4.1 J	ND*	ND*	ND*
EB-01B	20-21.5	11/04/91	3.3 J	0.270 J	0.230 J	0.660 J
EB-02A	1-3	10/30/92	3.7	ND*	ND*	ND*
EB-02A	24-28	10/30/92	11.5 J	R	R	R
EB-02B	25-28	11/21/93	7.8	0.086 J	0.095 J	0.110 J
EB-03A	45-46.5	11/08/91	ND*	R	R	R
EB-03B	7-9	11/13/91	7.7	0.025	0.034	0.050
EB-03B	11-13	11/13/91	6.4	ND*	ND*	ND*
EB-03B	15-21	11/13/91	4.6 [2.6]	ND* [R]	ND* [R]	ND* [R]
EB-04A	17-19	11/19/91	3.1	ND*	ND*	ND*
EB-15	1-2.5	11/06/91	7.5 J	ND*	ND*	ND*
EB-15	24-26	11/06/91	6.1 J	ND*	ND*	ND*
EB-16	20-21.5	11/14/91	1.6 J	0.082 J	0.080 J	0.085 J
EB-16	38-39.5	11/14/91	3 J	ND*	ND*	ND*
EB-17	10-12	11/04/91	5.6 J	0.750 J	0.570 J	1.6 J
EB-17	27-29	11/05/91	7.8 J	R	R	R
EB-18B	17-18	12/12/91	11.7 J	0.810	0.750	0.760
EB-18B	22-25	12/12/91	1.8 J	0.046 J	0.042 J	0.049 J
EB-18B	55-56.5	12/12/91	1.2 J	ND*	ND*	ND*
EB-20A	0-4	11/30/93	19.3	0.039 J	0.041 J	0.039 J
EB-20A	12-14	11/30/93	6.2	0.840	1.3	1.5
EB-20A	26-30	12/01/93	16.5	NA	NA	NA
SS-04	0-0.5	12/03/91	9.7	0.260 J	0.220 J	0.270 J
SS-04	7-9	12/03/91	7.5	ND*	0.044 J	0.047 J
SS-15	0-1	11/09/93	11	ND*	ND*	ND*
SS-16	0-1	11/04/93	R	NA	NA	NA
SS-17	0-1	11/09/93	5.6	0.038 J	0.080 J	0.094 J
SS-18	0-1	11/04/93	R	NA	NA	NA
SS-19	0-1	11/09/93	R	NA	NA	NA
SS-20	0-1	11/09/93	6.7	0.900	0.880 J	0.740 J
SS-21	0-1	11/08/93	26	NA	NA	NA
SS-22	0-1	11/09/93	6	NA	NA	NA
SS-23	0-1	11/09/93	7.2	ND*	ND*	ND*
SS-24	0-1	11/09/93	2.8	NA	NA	NA
SS-25	0-1	11/04/93	R	NA	NA	NA
SS-26	0-1	11/10/93	R	NA	NA	NA
SS-27	0-1	11/08/93	8	NA	NA	NA
SS-28	0-1	11/09/93	5.8	NA	NA	NA
SS-29	0-1	11/08/93	15.8	NA	NA	NA
SS-38	0-1	11/09/93	R	1 J	1.1 J	0.910 J
SS-39	0-1	11/08/93	9.6 [6.2]	0.056 J [2.7 J]	0.056 J [2.6 J]	0.069 J [2.2 J]
SS-40	0-1	11/10/93	R [R]	0.42 [0.430]	0.520 [0.270]	0.610 [0.550]

See Notes on Page 3.

TABLE 2
EPA RI NON-PCB SOIL SAMPLE DATA

PRE-DESIGN REPORT
FLETCHER'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NH
(Results are presented in parts per million, ppm)

SAMPLE ID	DEPTH	DATE	ARSENIC (ppm)	BENZO(a) ANTHRACENE (ppm)	BENZO(a) PYRENE (ppm)	BENZO(b) FLUORANTHENE (ppm)
MILL STREET						
EB-07A	4-5.5	11/15/91	4.8 J	0.055 J	0.060 J	0.082 J
EB-09A	22-23	12/09/91	1.3 J	ND*	ND*	ND*
EB-09A	4-8	12/02/91	ND*	R	R	R
EB-09A DUP	4-8	12/02/91	3.9	ND*	ND*	ND*
EB-12	1-3	11/06/91	22.5 J	ND*	ND*	ND*
EB-13	5-8.5	11/13/91	3.1	ND*	ND*	ND*
EB-13	15-16.5	11/13/91	1.5 J	ND*	ND*	ND*
EB-14	4-6	11/07/91	3.1 J	0.065 J	0.039 J	0.100 J
EB-14	12-16	11/07/91	ND*	R	R	R
EB-19	18-21.5	12/10/91	2.2 J	ND*	ND*	ND*
EB-21C-1	0-4	11/22/93	21.7	ND*	ND*	ND*
EB-21C DUP	0-4	11/22/93	18.7	ND*	ND*	2.1 J
EB-21C	8-10	11/22/93	3.9	ND*	ND*	ND*
EB-21C	12-14	11/22/93	3.1	ND*	ND*	ND*
SS-05	0-1	11/04/93	7.1 J	NA	NA	NA
SS-12	0-1	11/04/93	19.2	0.950	1.1 J	1.5 J
SS-13	0-1	12/02/93	3.4 J	NA	NA	NA
SS-14	0-1	11/04/93	R	NA	NA	NA
OFF-SITE						
EB-05A	12-14	11/21/91	5.2	ND*	ND*	ND*
EB-05A	42-44	11/21/91	7.8	ND*	ND*	ND*
EB-06C	20-22	11/26/91	3.6	ND*	ND*	ND*
EB-06C	53-55	12/02/91	7.1	ND*	ND*	ND*
EB-08A	4-6	12/11/91	2.7 J	ND*	ND*	ND*
EB-08A	26-28	12/11/91	NA	ND*	ND*	ND*
EB-10A	8-9.5	11/20/91	1.5 J	ND*	ND*	ND*
EB-10A	17.5-20	11/20/91	1.9 J	ND*	ND*	ND*
EB-11A	30-31.5	12/04/91	6.1	R	R	R
EB-11A	73-77	12/04/91	5 J	ND*	ND*	ND*
SS-01	0-0.5	11/19/91	6.6	6.4	6.8	3
SS-01	6-7	11/19/91	5.4	ND*	ND*	ND*
SS-02	0-0.5	11/20/91	6.5	0.660	0.740	0.700
SS-02	6.5-8	12/02/91	2.9	ND*	ND*	ND*
SS-03	0-0.5	12/02/91	11	2.1	2.1	2.3
SS-03	5.5-7.5	12/02/91	ND*	0.130 J	0.110 J	0.150 J
SS-06	0-1	11/04/93	8.5 J	NA	NA	NA
SS-07	0-1	11/04/93	12.3 J	NA	NA	NA
SS-08	0-1	11/04/93	9.2 J	NA	NA	NA
SS-09	0-1	11/04/93	6.2 J	0.820	0.650	0.600
SS-10	0-1	11/04/93	7.4 J	NA	NA	NA
SS-11	0-1	11/04/93	5.8 J [10.1 J]	NA [NA]	NA [NA]	NA [NA]

See Notes on Page 3.

TABLE 2
EPA RI NON-PCB SOIL SAMPLE DATA

PRE-DESIGN REPORT
FLETCHER'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NH
(Results are presented in parts per million, ppm)

SAMPLE ID	DEPTH	DATE	ARSENIC (ppm)	BENZO(a) ANTHRACENE (ppm)	BENZO(a) PYRENE (ppm)	BENZO(b) FLUORANTHENE (ppm)
OFF-SITE (continued)						
SS-30	0-1	11/05/93	8.1 J	NA	NA	NA
SS-31	0-1	11/05/93	8.3 J	NA	NA	NA
SS-32	0-1	11/05/93	8.1 J	NA	NA	NA
SS-33	0-1	11/05/93	8.4 J	NA	NA	NA
SS-34	0-1	11/05/93	14.4 J	NA	NA	NA
SS-35	0-1	11/08/93	4.4	0.160 J	0.150 J	0.120 J
SS-36	0-1	11/08/93	4.9	ND*	ND*	0.043 J
SS-37	0-1	11/08/93	6.9 [5.6]	0.100 J [ND*]	0.093 J [0.048 J]	0.100 J [0.055 J]
SS-41	0-1	11/05/93	49.4 J	1.2	1.3	1.1
SS-42	0-1	11/05/93	4.6 J	0.062 J	0.06 J	0.042 J
SS-43	0-1	11/05/93	24.6 J	0.96	1.2 J	1 J
SS-44	0-1	11/05/93	8.2 J	0.5	0.6 J	0.53 J
SS-45	0-1	11/08/93	8.7	0.094 J	0.093 J	0.085 J
SS-46	0-1	11/08/93	11.1	1.4	1.4	1.4
SS-47	0-1	11/08/93	26	1.5	1.5	2
SS-48	0-1	11/10/93	R	7.1	8.4	13

Notes:
1. J = Estimated.
2. R = Rejected.
3. NA = Not Analyzed.
4. ND* = Not detected (* = information concerning detection limit is not available).
5. Data from samples beginning with SS (surface sample) or EB (exploratory boring) were obtained from the following sources: Elm or Mill Street Surface Soil Chemical Data Summary Tables (Tables 4-13 and 4-22, respectively); and Elm or Mill Street Exploratory Boring Sampling Chemical Data Summary Tables (Tables 4-14 and 4-23, respectively) from the *Final Remedial Investigation for Fletcher's Paint Site*, Milford, NH, July 1, 1994. Detection limits and sample dates for certain samples were obtained from other tables or boring logs contained in that document.

TABLE 3
UST CHARACTERIZATION DATA

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm, unless otherwise noted)

Sample ID: / Parameter / Date Collected:	M12 (SOIL) 08/12/03	M12 (WATER) 08/12/03	M14N (SLUDGE) 08/12/03
Volatile Organics			
1,1-Dichloroethene	ND(0.050)	ND(0.0050)	ND(18)
1,2 Dichloroethane	ND(0.050)	ND(0.0050)	ND(18)
2-Butanone	ND(0.25)	ND(0.025)	ND(36)
Benzene	ND(0.050)	ND(0.0050)	ND(18)
Carbon Tetrachloride	ND(0.050)	ND(0.0050)	ND(18)
Chlorobenzene	ND(0.050)	ND(0.0050)	ND(18)
Chloroform	0.044 J	ND(0.0050)	ND(18)
Tetrachloroethene	ND(0.050)	ND(0.0050)	ND(18)
Trichloroethene	ND(0.050)	ND(0.0050)	ND(18)
Vinyl chloride	ND(0.050)	ND(0.0050)	ND(18)
Semivolatile Organics			
1,4-Dichlorobenzene	ND(0.040)	ND(0.040)	ND(62)
2,4,5-Trichlorophenol	ND(0.040)	ND(0.040)	ND(62)
2,4,6-Trichlorophenol	ND(0.040)	ND(0.040)	ND(62)
2,4-Dinitrotoluene	ND(0.040)	ND(0.040)	ND(62)
2-Methylphenol	ND(0.040)	ND(0.040)	ND(62)
3-Methylphenol	ND(0.040)	ND(0.040)	ND(62)
4-Methylphenol	ND(0.040)	ND(0.040)	ND(62)
Hexachlorobenzene	*ND(0.040)*	*ND(0.040)*	*ND(62)*
Hexachlorobutadiene	ND(0.040)	ND(0.040)	ND(62)
Hexachloroethane	ND(0.040)	ND(0.040)	ND(62)
Nitrobenzene	ND(0.040)	ND(0.040)	ND(62)
Pentachlorophenol	ND(0.20)	ND(0.20)	ND(310)
Pyridine	ND(0.10)	ND(0.10)	ND(160)
PCBs			
Aroclor 1016	ND(1.4)	ND(0.47)	ND(2.4)
Aroclor 1221	ND(1.4)	ND(0.47)	ND(2.4)
Aroclor 1232	ND(1.4)	ND(0.47)	ND(2.4)
Aroclor 1242	ND(1.4)	ND(0.47)	ND(2.4)
Aroclor 1248	11	2.8	ND(2.4)
Aroclor 1254	4.3	0.73	ND(2.4)
Aroclor 1260	ND(1.4)	ND(0.47)	ND(2.4)
Inorganics			
Arsenic	46.7	ND(7.00)	ND(530)
Barium - Total	563	102	308
Cadmium - Total	ND(1.00)	ND(1.00)	ND(75.8)
Chromium - Total	24.4	2.80	0.245
Lead - Total	67.0	ND(10.0)	ND(758)
Mercury - Total	ND(0.200)	ND(0.200)	ND(6.80)
Selenium - Total	13.8	ND(10.0)	ND(758)
Silver - Total	ND(3.00)	ND(3.00)	ND(227)
Miscellaneous Parameters			
Corrosivity (pH) (SU)	6.75	6.72	6.54
H2S Released From Waste	*ND(10.0)*	*ND(10.0)*	*ND(10.0)*
HCN Released From Waste	ND(10.0)	ND(10.0)	ND(10.0)
Heat of Combustion	ND(1000)	ND(1000)	16800
Percent Chlorine (%)	0.0570	0.0110	0.00460

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to Severn Trent Laboratories, Inc. for analysis of VOCs, SVOCs, PCBs, Inorganics, and Miscellaneous Parameters.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

Data Qualifiers:

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

TABLE 4
TRAFFIC AND ROAD SURVEY DATA

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE

NH DOT Loc #	Street	Location	Year	AADT*
303014	Elm Street	East of NH 13 (Town Center)	1996	14,000
			1999	14,000
303055	Elm Street	West of West St.	1996	13,000
			1999	14,000
303072	Elm Street	West of Old Wilton Rd.	1994	8,600
			1997	8,000
			2001	11,000
303085	Elm Street	West of Towne Center	1997	13,000
			1998	17,000
			2001	17,000
See Note 1	West Street	South of Elm Street	2001	5,840
See Note 1	Cottage Street	South of Elm Street	2001	1,500

Notes:
* AADT = Annual Average Daily Traffic, courtesy of State of New Hampshire Department of Transportation, Bureau of Transportation and Planning
1. Provided by Town of Milford, NH drawing, *Figure 3: Highway Improvements, Average Daily Traffic Near the Oval,* Dated 8/01/01.

TABLE 5
GROUNDWATER ELEVATION MONITORING DATA

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in feet above mean sea level)

	January - February	DATE MEASURED	March 18, 2004	April 19 & 20, 2004	May 21, 2004	June 23, 2004	July 13, 2004	August 18, 2004	September 14, 2004	October 19, 2004	November 17, 2004	December 13, 2004	January 11, 2005
Elm St													
MW-01A	236.8	1/22/04	236.3	237.81	237.01	236.36	236.12	235.92	235.86	236.17	235.99	237.24	229.07
MW-01B	237.76	1/22/04	236.06	238.63	237.96	236.75	235.82	235.57	235.53	236	235.65	237.90	229.01
MW-02AR	235.43	2/4/04	235.45	236.95	236.01	235.32	235.15	235.13	235.1	235.38	235.2	236.61	231.78
MW-02B	235.55	2/4/04	235.47	237.02	236.05	235.39	235.26	235.18	235.17	235.42	235.26	236.62	235.12
MW-03A	235.66	2/4/04	235.62	236.7	236.07	235.45	235.28	235.22	235.17	235.51	235.29	236.63	243.45
MW-03B	235.26	2/5/04	235.25	236.18	235.61	235	234.82	234.87	234.83	235.2	234.96	236.39	242.88
MW-04A	235.7	1/27/04	235.62	236.72	236.09	235.47	235.33	235.23	235.17	235.53	235.29	236.64	246.55
MW-04B	235.26	1/27/04	235.25	236.12	235.58	234.98	234.88	234.86	234.82	235.18	234.96	236.36	246.27
MW-04C	235.76	2/4/04	235.73	236.89	236.24	235.63	235.46	235.34	235.28	235.6	235.39	236.71	246.76
MW-18B	235.54	2/3/04	235.52	236.7	235.98	235.37	235.19	235.12	235.08	235.45	235.22	236.60	235.78
MW-26A	235.77	1/22/04	235.4	236.41	235.79	235.18	235.05	235.01	234.98	235.36	235.13	236.50	233.54
MW-26B	235.22	2/4/04	235.24	236.21	235.6	235	234.85	234.87	234.83	235.21	235.04	236.39	233.23
MW-27A	239.92	2/5/04	239.73	241.96	240.78	240.06	239.63	239.3	239.24	239.59	239.39	240.39	232.83
MW-27B	241.79	2/5/04	242.21	246.39	244.22	243.6	243.46	242.5	242.24	242.75	241.87	244.53	236.21
MW-28A	243.41	1/26/04	242.93	244.92	243.93	243.36	242.98	242.63	242.56	242.87	242.71	243.35	236.54
MW-28B	248.16	1/26/04	248.15	249.32	248.64	248.41	248.27	248.05	248.04	248.17	248.1	248.70	241.52
MW-29B	235.48	2/4/04	235.5	236.61	235.94	235.34	235.17	235.13	235.09	235.46	235.24	236.61	231.51
Mill St													
MW-07A	252.74	2/2/04	252.93	261.62	253.35	252.97	252.5	252.08	252.07	252.8	252.55	253.67	248.70
MW-09A	251.66	1/27/04	251.38	252.54	251.98	251.44	250.71	250.05	250.03	251.11	250.88	251.95	251.46
MW-09B	252.99	1/27/04	NA	253.65	253.13	252.45	251.51	250.91	250.9	252.44	252.25	253.46	252.24
MW-21C	252.65	1/21/04	252.52	253.57	252.97	252.57	252.04	251.66	251.67	252.43	252.22	253.33	248.28
MW-22A	252.91	2/3/04	253.1	254.15	253.44	252.93	252.32	251.85	251.89	252.8	252.62	253.95	247.79
MW-22B	252.93	2/3/04	253.11	254.15	253.44	252.93	252.31	251.85	251.89	252.81	252.62	253.96	248.01
MW-22C	255.22	1/30/04	252.31	253.32	252.73	252.25	251.56	251.14	251.16	252.08	251.89	253.01	247.03
MW-23A	252.99	1/28/04	253.05	254.24	253.4	252.91	252.35	251.92	251.95	252.78	252.59	253.92	243.78
MW-23B	252.95	1/28/04	252.97	254.18	253.32	252.86	252.34	251.96	251.94	252.7	252.52	253.85	243.80
MW-23C	252.42	1/28/04	252.57	253.68	252.95	252.52	252.02	251.62	251.62	252.37	252.18	253.30	243.79
MW-24A	252.61*	1/23/04	252.83	253.9	253.2	252.84	252.31	252.01	251.95	252.66	252.46	253.54	243.70
MW-24B	252.87	1/23/04	252.83	253.92	253.19	252.83	252.38	252.01	251.96	252.65	252.45	253.57	243.46
MW-24C	251.94	1/29/04	252.3	253.44	252.7	252.28	251.8	251.34	251.35	252.1	251.9	252.99	243.57
Off-Site Wells													
MW-05A	236.19	1/19/04	235.35	236.41	235.59	235.08	234.93	234.92	234.88	235.29	235.01	236.51	249.48
MW-05BR	235.31	2/3/04	235.25	236.22	235.5	234.93	234.78	234.82	234.76	235.21	234.91	236.45	251.11
MW-08A	252.63	1/30/04	252.62	253.39	252.85	252.72	251.52	251.39	251.53	252.32	252.36	252.82	254.98
MW-08B	252.85	1/30/04	253.1	253.84	253.41	252.59	252.01	251.82	251.79	252.93	252.61	253.91	254.54
MW-10A	251.26	1/20/04	251.04	252.39	251.71	251.16	250.5	249.93	249.9	250.66	250.46	251.61	249.71
MW-10B	252.79	1/20/04	250.56	253.3	252.73	252.37	249.17	251.84	251.95	252.38	251.95	252.86	251.56
MW-10C	251.71	1/21/04	251.05	252.41	251.8	251.25	250.61	250.04	250.01	250.74	250.58	251.71	249.96
MW-11A	240.49	2/2/04	239.98	242.31	241.55	240.92	240.34	239.71	239.52	239.77	239.59	240.39	229.41
MW-11B	239.76	2/2/04	239.35	241.67	240.89	240.22	239.61	238.01	238.82	239.05	238.88	239.67	228.69
MW-25B	253.93	1/21/04	253.89	255.06	254.27	253.77	253.27	252.87	252.91	253.65	253.47	254.63	248.79
MW-25C	253.85	1/21/04	253.77	254.99	254.17	253.68	253.16	252.78	252.82	253.55	253.36	254.53	248.75
Staff Gauges													
SG-1	See Note 1	See Note 1	See Note 1	237.18	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2
SG-2	See Note 1	See Note 1	See Note 1	235.04	235.26	234.79	234.92	235.94	234.69	235.12	234.8	236.23	255.11

Notes:
* Measured from top of casing before the coupling was added for the locking cap.
1. Staff Gauges SG-1 and SG-2 were not installed until April 2004
2. Field personnel were not able to locate SG-1 after initial installation in April 2004.

TABLE 6
SUMMARY OF PDI PCB SAMPLE DATA - ELM STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
ESSB-A02	0 - 1	2/3/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.029 J	ND(0.041)	0.029 J
ESSB-C02	0 - 1	2/3/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.11 JN	0.097	ND(0.038)	0.20 JN
ESSB-C04	0 - 1	2/4/2004	ND(0.46)	ND(0.46)	ND(0.46)	ND(0.46)	2.3	ND(0.46)	ND(0.46)	2.3
ESSB-E02	0 - 1	2/3/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.1 EB	ND(0.19)	ND(0.19)	1.1 EB
ESSB-E04	0 - 1	2/5/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	3.3	ND(0.21)	ND(0.21)	3.3
ESSB-E06	0 - 1	2/6/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	8.3	ND(1.2)	ND(1.2)	8.3
ESSB-G04	0 - 1	2/3/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	21	ND(1.0)	ND(1.0)	21
ESSB-G06	0 - 1	2/9/2004	ND(4.4)	ND(4.4)	ND(4.4)	ND(4.4)	54	ND(4.4)	ND(4.4)	54
ESSB-H03	0 - 1	12/2/2003	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	51	ND(4.0)	ND(4.0)	51
ESSB-H06	0 - 1	12/5/2003	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	0.19	ND(0.14)	ND(0.14)	0.19
ESSB-I04	0 - 1	2/2/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.30 J	ND(0.038)	ND(0.038)	0.30 J
ESSB-I05	0 - 1	1/30/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.10	0.039	ND(0.035)	0.14
ESSB-I06	0 - 1	2/10/2004	ND(4.3) [ND(0.014)]	ND(4.3) [ND(0.014)]	ND(4.3) [ND(0.014)]	ND(4.3) [ND(0.014)]	64 J [170 J]	ND(4.3) [ND(0.014)]	ND(4.3) [ND(0.014)]	64 J [170 J]
ESSB-I07	0 - 1	12/5/2003	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	0.17	ND(0.068)	ND(0.068)	0.17
ESSB-I08	0 - 1	2/11/2004	ND(59)	ND(59)	ND(59)	ND(59)	560	ND(59)	ND(59)	560
ESSB-J06	0 - 1	7/29/2004	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	1.8 JN	ND(0.28)	ND(0.28)	1.8 JN
ESSB-J07	0 - 1	12/5/2003	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	27	ND(3.5)	ND(3.5)	27
ESSB-J18	0 - 1	12/18/2003	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)	7.7	ND(0.70)	ND(0.70)	7.7
ESSB-K06	0 - 1	2/2/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
ESSB-K08	0 - 1	2/11/2004	ND(270)	ND(270)	ND(270)	ND(270)	4500	ND(270)	ND(270)	4500
ESSB-K10	0 - 1	2/11/2004	ND(250)	ND(250)	ND(250)	ND(250)	2900	ND(250)	ND(250)	2900
ESSB-K16	0 - 1	2/9/2004	ND(13)	ND(13)	ND(13)	ND(13)	130	ND(13)	ND(13)	130
ESSB-K18	0 - 1	12/18/2003	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	19	ND(3.6)	ND(3.6)	19
ESSB-L12	0 - 1	2/10/2004	ND(95)	ND(95)	ND(95)	ND(95)	240	110	ND(95)	360
ESSB-L13	0 - 1	4/16/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	12	ND(1.0)	ND(1.0)	12
ESSB-L14	0 - 1	2/10/2004	ND(36)	ND(36)	ND(36)	ND(36)	350	ND(36)	ND(36)	350
ESSB-L15	0 - 1	1/28/2004	ND(11)	ND(11)	ND(11)	ND(11)	290	ND(11)	ND(11)	290
ESSB-L16	0 - 1	1/28/2004	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	58	34	ND(2.5)	93
ESSB-L17	0 - 1	1/28/2004	ND(2.8)	ND(2.8)	ND(2.8)	ND(2.8)	24	14	ND(2.8)	39
ESSB-L18	0 - 1	1/28/2004	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	16	ND(0.98)	ND(0.98)	16
ESSB-M08	0 - 1	2/3/2004	ND(3.1)	ND(3.1)	ND(3.1)	ND(3.1)	57 JEB	ND(3.1)	ND(3.1)	57 JEB
ESSB-M10	0 - 1	2/5/2004	ND(5.2)	ND(5.2)	ND(5.2)	ND(5.2)	140	ND(5.2)	ND(5.2)	140
ESSB-M12	0 - 1	2/5/2004	ND(110)	ND(110)	ND(110)	ND(110)	1200	ND(110)	ND(110)	1200
ESSB-M14	0 - 1	12/22/2003	ND(380)	ND(380)	ND(380)	ND(380)	890	ND(380)	ND(380)	890
ESSB-M16	0 - 1	2/4/2004	ND(280)	ND(280)	ND(280)	ND(280)	5300	ND(280)	ND(280)	5300
ESSB-M17	0 - 1	1/28/2004	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	12	ND(0.40)	ND(0.40)	12
ESSB-M18	0 - 1	2/4/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.40	ND(0.035)	ND(0.035)	0.40
ESSB-M19	0 - 1	4/15/2004	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	0.86	ND(0.28)	ND(0.28)	0.86
ESSB-N18	0 - 1	1/28/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	1.1	0.75	ND(0.24)	1.9
ESSB-O10	0 - 1	1/29/2004	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	83	51	ND(4.0)	130
ESSB-O12	0 - 1	1/29/2004	ND(100)	ND(100)	ND(100)	ND(100)	1800	ND(100)	ND(100)	1800
ESSB-O14	0 - 1	2/2/2004	ND(180)	ND(180)	ND(180)	1900	ND(180)	ND(180)	ND(180)	1900
ESSB-O16	0 - 1	2/4/2004	ND(1.0) [ND(2.5)]	ND(1.0) [ND(2.5)]	ND(1.0) [ND(2.5)]	ND(1.0) [33 J]	15 J [ND(2.5)]	ND(1.0) [ND(2.5)]	ND(1.0) [ND(2.5)]	15 J [33 J]
ESSB-O18	0 - 1	1/28/2004	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	21	34	ND(3.7)	55
ESSB-P17	0 - 1	1/20/2004	ND(38)	ND(38)	ND(38)	ND(38)	120	ND(38)	ND(38)	120
ESSB-Q10	0 - 1	1/27/2004	ND(5.1)	ND(5.1)	ND(5.1)	ND(5.1)	74	ND(5.1)	ND(5.1)	74
ESSB-Q12	0 - 1	1/29/2004	ND(160)	ND(160)	ND(160)	ND(160)	3000	ND(160)	ND(160)	3000
ESSB-Q14	0 - 1	1/22/2004	ND(260)	ND(260)	ND(260)	ND(260)	1800	1300	ND(260)	3100
ESSB-Q16	0 - 1	1/22/2004	ND(0.41)	ND(0.41)	ND(0.41)	ND(0.41)	3.4	5.2	ND(0.41)	8.6
ESSB-Q18	0 - 1	1/28/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	0.56	1.1	ND(0.24)	1.7
ESSB-R18	0 - 1	1/27/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	0.55	0.50	ND(0.22)	1.1
ESSB-R22	0 - 1	1/27/2004	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	44	20	ND(2.5)	64
ESSB-S11	0 - 1	1/19/2004	ND(38)	ND(38)	ND(38)	ND(38)	140	ND(38)	ND(38)	140
ESSB-S11S	0 - 1	4/21/2004	ND(10)	ND(10)	ND(10)	ND(10)	94	ND(10)	ND(10)	94
ESSB-S11SS	0 - 1	4/21/2004	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	0.98	ND(0.17)	ND(0.17)	0.98
ESSB-S11W	0 - 1	4/21/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	3.4	ND(0.20)	ND(0.20)	3.4

TABLE 6
SUMMARY OF PDI PCB SAMPLE DATA - ELM STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
ESSB-S12	0 - 1	1/26/2004	ND(3.9) [ND(5.2)]	ND(3.9) [ND(5.2)]	ND(3.9) [ND(5.2)]	ND(3.9) [ND(5.2)]	110 [92]	ND(3.9) [ND(5.2)]	ND(3.9) [ND(5.2)]	110 [92]
ESSB-S14	0 - 1	1/21/2004	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	37	36	ND(3.8)	73
ESSB-S16	0 - 1	1/21/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.14	0.21	ND(0.037)	0.36
ESSB-S18	0 - 1	1/21/2004	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	0.035 J [0.028 J]	0.033 J [0.027 J]	ND(0.036) [ND(0.036)]	0.068 J [0.054 J]
ESSB-S20	0 - 1	12/30/2003	ND(7.4)	ND(7.4)	ND(7.4)	ND(7.4)	50	ND(7.4)	ND(7.4)	50
ESSB-S22	0 - 1	1/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.44	0.31	ND(0.035)	0.75
ESSB-T16	0 - 1	12/23/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.20	0.14	ND(0.036)	0.35
ESSS-A01	0 - 1	12/22/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.045	ND(0.040)	0.045	0.090
ESSS-A03	0 - 1	12/22/2003	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.066	ND(0.049)	0.066
ESSS-A04	0 - 1	4/26/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.10	0.032 J	ND(0.047)	0.13 J
ESSS-B02	0 - 1	12/22/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.050	ND(0.043)	0.050
ESSS-B03	0 - 1	12/22/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.074	ND(0.043)	0.074
ESSS-B04	*0 - 1*	*12/22/2003*	*ND(0.048)*	*ND(0.048)*	*ND(0.048)*	*ND(0.048)*	*ND(0.048)*	*0.26*	*ND(0.048)*	*0.26*
ESSS-B05	0 - 1	4/26/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.093	0.11	ND(0.050)	0.20
ESSS-C01	0 - 1	1/30/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.13	0.15	ND(0.034)	0.28
ESSS-C03	0 - 1	12/22/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.078	ND(0.037)	0.078
ESSS-C05	0 - 1	4/28/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.081	0.068	ND(0.049)	0.15
ESSS-D00	0 - 1	2/11/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.26 JN	0.36	0.088	0.71 JN
ESSS-D01	*0 - 1*	*1/30/2004*	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*0.033 J*	*0.032 J*	*ND(0.036)*	*0.065 J*
ESSS-D02	0 - 1	12/22/2003	ND(0.085)	ND(0.085)	ND(0.085)	ND(0.085)	ND(0.085)	0.22	ND(0.085)	0.22
ESSS-D03	0 - 1	12/22/2003	ND(0.078)	ND(0.078)	ND(0.078)	ND(0.078)	ND(0.078)	0.85	ND(0.078)	0.85
ESSS-D05	0 - 1	4/14/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.092 JN	0.047	ND(0.034)	0.14 JN
ESSS-D06	0 - 1	4/14/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	1.2	ND(0.24)	ND(0.24)	1.2
ESSS-D07	0 - 1	4/26/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.21	0.16	ND(0.044)	0.37
ESSS-E00	*0 - 1*	*4/15/2004*	*ND(0.042)*	*ND(0.042)*	*ND(0.042)*	*ND(0.042)*	*0.10*	*ND(0.042)*	*ND(0.042)*	*0.10*
ESSS-E01	0 - 1	1/30/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.013 J	0.043	ND(0.042)	0.056 J
ESSS-E02NE	0 - 1	4/27/2004	ND(0.93)	ND(0.93)	ND(0.93)	ND(0.93)	9.3	ND(0.93)	ND(0.93)	9.3
ESSS-E02W	0 - 1	4/27/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
ESSS-E03	0 - 1	12/22/2003	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	1.9	ND(0.37)	ND(0.37)	1.9
ESSS-E07	0 - 1	4/14/2004	ND(28)	ND(28)	ND(28)	ND(28)	110	ND(28)	ND(28)	110
ESSS-F00	*0 - 1*	*4/27/2004*	*ND(0.043)*	*ND(0.043)*	*ND(0.043)*	*ND(0.043)*	*0.027 J*	*0.075 JN*	*ND(0.043)*	*0.10 JN*
ESSS-F01	0 - 1	4/27/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.23 JN	0.24	ND(0.054)	0.48 JN
ESSS-F02	0 - 1	1/30/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.010 J	ND(0.034)	ND(0.034)	0.010 J
ESSS-F04	0 - 1	12/22/2003	ND(3.6) [ND(3.8)]	ND(3.6) [ND(3.8)]	ND(3.6) [ND(3.8)]	ND(3.6) [ND(3.8)]	38 [48]	ND(3.6) [ND(3.8)]	ND(3.6) [ND(3.8)]	38 [48]
ESSS-F05	0 - 1	4/14/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	1.5	ND(0.25)	ND(0.25)	1.5
ESSS-F06	0 - 1	4/14/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	1.6	ND(0.22)	ND(0.22)	1.6
ESSS-F07	0 - 1	4/26/2004	ND(0.62)	ND(0.62)	ND(0.62)	ND(0.62)	5.2	ND(0.62)	ND(0.62)	5.2
ESSS-G03	0 - 1	1/30/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.025 J	0.010 J	ND(0.035)	0.035 J
ESSS-G04NW	0 - 1	4/27/2004	ND(230)	ND(230)	ND(230)	ND(230)	480	ND(230)	ND(230)	480
ESSS-G05	0 - 1	12/5/2003	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.59	ND(0.18)	ND(0.18)	0.59
ESSS-G07	0 - 1	4/14/2004	ND(0.54)	ND(0.54)	ND(0.54)	ND(0.54)	6.1	ND(0.54)	ND(0.54)	6.1
ESSS-G08	0 - 1	4/14/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	12	ND(1.0)	ND(1.0)	12
ESSS-G09	0 - 1	4/26/2004	ND(6.5)	ND(6.5)	ND(6.5)	ND(6.5)	64	ND(6.5)	ND(6.5)	64
ESSS-H02	0 - 1	12/2/2003	ND(0.82)	ND(0.82)	ND(0.82)	ND(0.82)	2.0	ND(0.82)	ND(0.82)	2.0
ESSS-H02W	0 - 1	4/27/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.12 J	ND(0.048)	ND(0.048)	0.12 J
ESSS-H03NW	0 - 1	4/27/2004	ND(5.4)	ND(5.4)	ND(5.4)	ND(5.4)	26	ND(5.4)	ND(5.4)	26
ESSS-H03SE	0 - 1	4/27/2004	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	14 J	ND(1.1)	ND(1.1)	14 J
ESSS-H03SW	0 - 1	4/27/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.23	ND(0.048)	ND(0.048)	0.23
ESSS-H05	0 - 1	12/22/2003	ND(4.2)	ND(4.2)	ND(4.2)	ND(4.2)	43	ND(4.2)	ND(4.2)	43
ESSS-H05S	0 - 1	4/27/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	1.7	ND(0.21)	ND(0.21)	1.7
ESSS-H07	0 - 1	4/15/2004	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	31	ND(2.0)	ND(2.0)	31
ESSS-H08	0 - 1	4/15/2004	ND(5.6) [ND(25)]	ND(5.6) [ND(25)]	ND(5.6) [ND(25)]	ND(5.6) [ND(25)]	60 [86]	ND(5.6) [ND(25)]	ND(5.6) [ND(25)]	60 [86]
ESSS-H09	0 - 1	4/26/2004	ND(5.8)	ND(5.8)	ND(5.8)	ND(5.8)	70	ND(5.8)	ND(5.8)	70
ESSS-H10	0 - 1	4/26/2004	ND(28)	ND(28)	ND(28)	ND(28)	280	ND(28)	ND(28)	280
ESSS-H17	0 - 1	4/26/2004	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	0.67	ND(0.36)	ND(0.36)	0.67

TABLE 6
SUMMARY OF PDI PCB SAMPLE DATA - ELM STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
ESSS-H18	0 - 1	4/15/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.17	0.16	ND(0.041)	0.33
ESSS-H19	0 - 1	4/15/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.038	ND(0.035)	ND(0.035)	0.038
ESSS-I03	0 - 1	12/2/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.073 J	ND(0.038)	ND(0.038)	0.073 J
ESSS-I09	0 - 1	4/15/2004	ND(12)	ND(12)	ND(12)	ND(12)	350	ND(12)	ND(12)	350
ESSS-I10	0 - 1	4/26/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	16	ND(1.0)	ND(1.0)	16
ESSS-I11	0 - 1	4/15/2004	ND(1.7)	ND(1.7)	ND(1.7)	ND(1.7)	17	ND(1.7)	ND(1.7)	17
ESSS-I15	0 - 1	4/26/2004	ND(120)	ND(120)	ND(120)	ND(120)	750	ND(120)	ND(120)	750
ESSS-I16	*0 - 1*	*4/26/2004*	*ND(0.60)*	*ND(0.60)*	*ND(0.60)*	*ND(0.60)*	*6.2*	*ND(0.60)*	*ND(0.60)*	*6.2*
ESSS-I17	0 - 1	4/26/2004	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	1.4	ND(0.36)	ND(0.36)	1.4
ESSS-I18	0 - 1	4/26/2004	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	0.56	ND(0.27)	ND(0.27)	0.56
ESSS-I19	0 - 1	4/15/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.14	ND(0.036)	ND(0.036)	0.14
ESSS-J03	0 - 1	12/2/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.032 J	ND(0.039)	ND(0.039)	0.032 J
ESSS-J04	0 - 1	12/2/2003	ND(0.081)	ND(0.081)	ND(0.081)	ND(0.081)	0.10	ND(0.081)	ND(0.081)	0.10
ESSS-J10	*0 - 1*	*4/15/2004*	*ND(460)*	*ND(460)*	*ND(460)*	*ND(460)*	*5800*	*ND(460)*	*ND(460)*	*5800*
ESSS-J11	0 - 1	4/15/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	26	ND(5.0)	ND(5.0)	26
ESSS-J12	0 - 1	4/26/2004	ND(71)	ND(71)	ND(71)	ND(71)	710	ND(71)	ND(71)	710
ESSS-J13	0 - 1	4/16/2004	ND(260)	ND(260)	ND(260)	ND(260)	3600	ND(260)	ND(260)	3600
ESSS-J14	0 - 1	4/16/2004	ND(52)	ND(52)	ND(52)	ND(52)	940	ND(52)	ND(52)	940
ESSS-J15	0 - 1	4/15/2004	ND(47)	ND(47)	ND(47)	ND(47)	1500	ND(47)	ND(47)	1500
ESSS-J16	0 - 1	4/15/2004	ND(13)	ND(13)	ND(13)	ND(13)	76	ND(13)	ND(13)	76
ESSS-J17	0 - 1	4/26/2004	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	11 J	ND(1.3)	ND(1.3)	11 J
ESSS-J19	0 - 1	4/15/2004	ND(0.21) [ND(0.21)]	ND(0.21) [ND(0.21)]	ND(0.21) [ND(0.21)]	ND(0.21) [ND(0.21)]	0.93 [1.1]	ND(0.21) [ND(0.21)]	ND(0.21) [ND(0.21)]	0.93 [1.1]
ESSS-K05	0 - 1	12/2/2003	ND(0.41) [ND(0.40)]	ND(0.41) [ND(0.40)]	ND(0.41) [ND(0.40)]	ND(0.41) [ND(0.40)]	0.72 [0.58]	ND(0.41) [ND(0.40)]	ND(0.41) [ND(0.40)]	0.72 [0.58]
ESSS-K07W	0 - 1	4/27/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	10	ND(1.0)	ND(1.0)	10
ESSS-K08SW	0 - 1	4/27/2004	ND(5.7)	ND(5.7)	ND(5.7)	ND(5.7)	34 J	ND(5.7)	ND(5.7)	34 J
ESSS-K11	0 - 1	4/15/2004	ND(140)	ND(140)	ND(140)	ND(140)	2300	ND(140)	ND(140)	2300
ESSS-K12	0 - 1	4/15/2004	ND(24)	ND(24)	ND(24)	ND(24)	140	ND(24)	ND(24)	140
ESSS-K13	0 - 1	4/16/2004	ND(110)	ND(110)	ND(110)	ND(110)	670	ND(110)	ND(110)	670
ESSS-K14	0 - 1	4/16/2004	ND(120)	ND(120)	ND(120)	ND(120)	1200	ND(120)	ND(120)	1200
ESSS-K17	0 - 1	4/15/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	2.3	ND(0.25)	ND(0.25)	2.3
ESSS-K19	0 - 1	4/15/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	2.9 J	ND(0.22)	ND(0.22)	2.9 J
ESSS-L04	0 - 1	12/2/2003	ND(0.080)	ND(0.080)	ND(0.080)	ND(0.080)	0.14 J	ND(0.080)	ND(0.080)	0.14 J
ESSS-L06	0 - 1	12/10/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.048	0.044	ND(0.035)	0.091
ESSS-L19	0 - 1	4/15/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	3.2 J	ND(0.20)	ND(0.20)	3.2 J
ESSS-M05	0 - 1	12/2/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
ESSS-M07	0 - 1	12/10/2003	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.27	ND(0.18)	ND(0.18)	0.27
ESSS-M08W	0 - 1	4/27/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	19 J	ND(1.2)	ND(1.2)	19 J
ESSS-N06	0 - 1	12/2/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.021 J	ND(0.041)	0.021 J
ESSS-N08	0 - 1	4/27/2004	ND(10)	ND(10)	ND(10)	ND(10)	61	ND(10)	ND(10)	61
ESSS-N09	0 - 1	4/27/2004	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	15	ND(2.0)	ND(2.0)	15
ESSS-N19	0 - 1	4/27/2004	ND(1.9)	ND(1.9)	ND(1.9)	11	ND(1.9)	ND(1.9)	ND(1.9)	11
ESSS-O07	0 - 1	12/10/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.082	ND(0.036)	0.082
ESSS-O09	0 - 1	4/27/2004	ND(5.2)	ND(5.2)	ND(5.2)	ND(5.2)	79	ND(5.2)	ND(5.2)	79
ESSS-P07	0 - 1	12/10/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.023 J	ND(0.035)	ND(0.035)	0.023 J
ESSS-P08	*0 - 1*	*12/10/2003*	*ND(0.045)*	*ND(0.045)*	*ND(0.045)*	*ND(0.045)*	*ND(0.045)*	*0.32*	*ND(0.045)*	*0.32*
ESSS-P09	0 - 1	4/27/2004	ND(1.2) [ND(1.1)]	ND(1.2) [ND(1.1)]	ND(1.2) [ND(1.1)]	ND(1.2) [ND(1.1)]	8.5 [7.6]	ND(1.2) [ND(1.1)]	ND(1.2) [ND(1.1)]	8.5 [7.6]
ESSS-P18	0 - 1	1/28/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.96	0.67	ND(0.18)	1.6
ESSS-Q09	0 - 1	12/10/2003	ND(1.4)	ND(1.4)	ND(1.4)	ND(1.4)	7.6	ND(1.4)	ND(1.4)	7.6
ESSS-Q09W	0 - 1	4/27/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	1.2	ND(0.25)	ND(0.25)	1.2
ESSS-Q17	0 - 1	1/20/2004	ND(0.91)	ND(0.91)	ND(0.91)	ND(0.91)	2.1	3.4	ND(0.91)	5.5
ESSS-R08	0 - 1	12/10/2003	ND(0.069)	ND(0.069)	ND(0.069)	0.48 J	ND(0.069)	ND(0.069)	ND(0.069)	0.48 J
ESSS-R09	0 - 1	12/10/2003	ND(3.4)	ND(3.4)	ND(3.4)	ND(3.4)	34	ND(3.4)	ND(3.4)	34
ESSS-R09S	0 - 1	4/21/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.019 J	ND(0.034)	ND(0.034)	0.019 J
ESSS-R09W	0 - 1	4/21/2004	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	3.1	ND(0.26)	ND(0.26)	3.1
ESSS-R10	0 - 1	1/20/2004	ND(2.3)	ND(2.3)	ND(2.3)	ND(2.3)	9.8	ND(2.3)	ND(2.3)	9.8

TABLE 6
SUMMARY OF PDI PCB SAMPLE DATA - ELM STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
ESSS-R10S	0 - 1	4/21/2004	ND(0.24) [ND(0.39)]	ND(0.24) [ND(0.39)]	ND(0.24) [ND(0.39)]	3.5 [3.1]	ND(0.24) [ND(0.39)]	ND(0.24) [ND(0.39)]	ND(0.24) [ND(0.39)]	3.5 [3.1]
ESSS-R11	0 - 1	1/20/2004	ND(21)	ND(21)	ND(21)	ND(21)	71	ND(21)	ND(21)	71
ESSS-R17	0 - 1	1/20/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.12	0.11	ND(0.034)	0.23
ESSS-R18E	0 - 1	4/23/2004	ND(0.18) [ND(0.21)]	ND(0.18) [ND(0.21)]	ND(0.18) [ND(0.21)]	ND(0.18) [ND(0.21)]	0.45 J [0.85 J]	0.54 [0.82]	ND(0.18) [ND(0.21)]	0.98 J [1.7 J]
ESSS-R19	0 - 1	1/27/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
ESSS-R19N	0 - 1	4/23/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.27	0.32 J	ND(0.037)	0.59 J
ESSS-R20	0 - 1	1/27/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
ESSS-R20N	0 - 1	4/23/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	0.86	1.5	ND(0.24)	2.4
ESSS-R21	0 - 1	1/27/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.035)	ND(0.034)	ND(0.034)	ND(0.035)
ESSS-R21N	0 - 1	4/23/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.17	0.23	ND(0.038)	0.40
ESSS-R22N	0 - 1	4/23/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.10	0.16	ND(0.038)	0.26
ESSS-S11WW	0 - 1	4/21/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.54	ND(0.20)	ND(0.20)	0.54
ESSS-S12S	0 - 1	4/21/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.044	0.015 J	ND(0.034)	0.058 J
ESSS-S13	0 - 1	1/19/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	21	17	ND(1.2)	39
ESSS-S13S	0 - 1	4/21/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.093	0.047 J	ND(0.034)	0.14 J
ESSS-S14S	0 - 1	4/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.036 J	0.015 J	ND(0.035)	0.051 J
ESSS-S14SS DUP	0 - 1	4/21/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.17	ND(0.033)	ND(0.033)	0.17
ESSS-S17	0 - 1	1/19/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.051	0.030 J	ND(0.034)	0.081 J
ESSS-T15	0 - 1	1/23/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.17	0.17	ND(0.036)	0.34
ESSS-T17	0 - 1	1/23/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.13	ND(0.034)	0.061	ND(0.034)	0.19
ESSS-T18	0 - 1	1/23/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.19	ND(0.038)	0.12	ND(0.038)	0.31
ESSS-T19	0 - 1	1/23/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.14	ND(0.036)	0.10	ND(0.036)	0.25
ESSS-T20	0 - 1	1/23/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.3	0.88	ND(0.19)	2.2
ESSS-T20S	0 - 1	4/21/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	1.0	0.67	ND(0.22)	1.7
ESSS-T20SS	0 - 1	4/21/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	1.6	0.72	ND(0.18)	2.3
ESSS-T21	0 - 1	4/21/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.012 J	ND(0.036)	ND(0.036)	0.012 J
SS-16NE	0 - 1	4/27/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.0098 J	ND(0.034)	ND(0.034)	0.0098 J
SS-16NW	0 - 1	4/27/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.012 J	ND(0.034)	ND(0.034)	0.012 J
SS-16SE	0 - 1	4/27/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
SS-16SW	0 - 1	4/27/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.14	0.18	ND(0.043)	0.32
SS-18E	0 - 1	4/27/2004	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	26	ND(4.9)	ND(4.9)	26
SS-25NE	0 - 1	4/27/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
SS-25NW	0 - 1	4/27/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
SS-25SE	0 - 1	4/27/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.025 J	ND(0.035)	ND(0.035)	0.025 J
SS-25SW	0 - 1	4/27/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.012 J	ND(0.034)	ND(0.034)	0.012 J

TABLE 6
SUMMARY OF PDI PCB SAMPLE DATA - ELM STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to Severn Trent Laboratories, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Field duplicate sample results are presented in brackets.
4. In the areas where temporary cover materials have been placed (e.g., geotextile and soil cover), the 0- to 1-foot surface soil sampling interval will begin at the depth of the geotextile installed by EPA, which is considered to represent the boundary between clean barrier soils and native Site soils.

Data Qualifiers:

EB - The compound was identified in an aqueous equipment blank that was used to assess field contamination associated with soil/sediment samples, its presence in the sample may be suspect.
J - The compound was positively identified; however, the associated numerical value is an estimated concentration only.
JN - The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

TABLE 7
SUMMARY OF PDI NON-PCB SAMPLE DATA - ELM STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	ESSB-A02 0 - 1 02/03/04	ESSB-C02 0 - 1 02/03/04	ESSB-C04 0 - 1 02/04/04	ESSB-E02 0 - 1 02/03/04	ESSB-E04 0 - 1 02/05/04	ESSB-E06 0 - 1 02/06/04	ESSB-G04 0 - 1 02/03/04	ESSB-G06 0 - 1 02/09/04	ESSB-H03 0 - 1 12/02/03	ESSB-H06 0 - 1 12/05/03	ESSB-I04 0 - 1 02/02/04	ESSB-I05 0 - 1 01/30/04
Semivolatile Organics												
Benzo(a)anthracene	ND(2.1)	ND(1.9)	ND(6.5)	ND(3.4)	26	2.4 J	ND(35)	3.3	0.22 J	ND(0.34)	ND(3.7)	ND(3.5)
Benzo(a)pyrene	ND(2.1)	ND(1.9)	ND(6.5)	ND(3.4)	18	2.2 J	ND(35)	2.8	0.26 J	ND(0.34)	ND(3.7)	ND(3.5)
Benzo(b)fluoranthene	ND(2.1)	ND(1.9)	ND(6.5)	ND(3.4)	38	1.6 J	ND(35)	3.1	0.29 J	ND(0.34)	ND(3.7)	ND(3.5)
Inorganics												
Arsenic	ND(10.2)	ND(9.00)	18.8	ND(8.30)	9.30	8.70 J	10.5	ND(8.40)	ND(10.0)	ND(8.60)	ND(9.60)	11.0 J

TABLE 7
SUMMARY OF PDI NON-PCB SAMPLE DATA - ELM STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	ESSB-I06	ESSB-I07	ESSB-I08	ESSB-J07	ESSB-J18	ESSB-K06	ESSB-K08	ESSB-K10	ESSB-K16	ESSB-K18	ESSB-L12	ESSB-L13
Sample Depth(Feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
Parameter Date Collected:	02/10/04	12/05/03	02/11/04	12/05/03	12/18/03	02/02/04	02/11/04	02/11/04	02/09/04	12/18/03	02/10/04	04/16/04
Semivolatile Organics												
Benzo(a)anthracene	1.0 [1.3]	ND(0.34)	1.1	0.23 J	ND(1.8)	ND(0.34)	ND(1.8)	ND(0.38)	ND(3.8)	ND(0.37)	ND(3.7)	ND(0.43)
Benzo(a)pyrene	0.96 [1.2]	ND(0.34)	1.4	0.27 J	ND(1.8)	ND(0.34)	ND(1.8)	0.23 J	ND(3.8)	ND(0.37)	ND(3.7)	ND(0.43)
Benzo(b)fluoranthene	1.1 [1.3]	ND(0.34)	1.9	0.24 J	ND(1.8)	ND(0.34)	ND(1.8)	0.55	ND(3.8)	ND(0.37)	ND(3.7)	ND(0.43)
Inorganics												
Arsenic	ND(9.80) J [11.1]	9.40 J	10.3 J	ND(8.60) J	ND(8.50)	ND(8.10)	ND(9.00)	10.0	19.8	ND(9.00)	20.9 J	60.9 J

TABLE 7
SUMMARY OF PDI NON-PCB SAMPLE DATA - ELM STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	ESSB-L14	ESSB-L15	ESSB-L16	ESSB-L17	ESSB-L18	ESSB-M08	ESSB-M10	ESSB-M12	ESSB-M14	ESSB-M16	ESSB-M17	ESSB-M18
Sample Depth(Feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
Parameter Date Collected:	02/10/04	01/28/04	01/28/04	01/28/04	01/28/04	02/03/04	02/05/04	02/05/04	12/22/03	02/04/04	01/28/04	02/04/04
Semivolatile Organics												
Benzo(a)anthracene	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.42)	ND(0.34)	ND(4.8)	ND(0.39)	2.2 J	ND(1.9)	ND(3.6)	ND(0.33)	ND(0.35)
Benzo(a)pyrene	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.42)	ND(0.34)	ND(4.8)	ND(0.39)	1.5 J	ND(1.9)	ND(3.6)	ND(0.33)	ND(0.35)
Benzo(b)fluoranthene	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.42)	ND(0.34)	ND(4.8)	ND(0.39)	2.5 J	ND(1.9)	ND(3.6)	ND(0.33)	ND(0.35)
Inorganics												
Arsenic	*15.9 J*	*ND(8.40)*	*19.2*	*ND(10.5)*	*ND(8.30)*	*ND(11.6)*	*27.0*	*ND(9.20)*	*13.7*	*ND(9.20)*	*8.00*	*ND(8.60)*

TABLE 7
SUMMARY OF PDI NON-PCB SAMPLE DATA - ELM STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	ESSB-M19	ESSB-N18	ESSB-O10	ESSB-O12	ESSB-O14	ESSB-O16	ESSB-O18	ESSB-P17	ESSB-Q10	ESSB-Q12	ESSB-Q14	ESSB-Q16
Sample Depth(Feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
Parameter / Date Collected:	04/15/04	01/28/04	01/29/04	01/29/04	02/02/04	02/04/04	01/28/04	01/20/04	01/27/04	01/29/04	01/22/04	01/22/04
Semivolatile Organics												
Benzo(a)anthracene	ND(2.0)	ND(0.34)	ND(0.36)	ND(1.7)	ND(1.7)	ND(3.4) [ND(3.5)]	ND(0.34)	ND(1.8)	ND(3.4)	ND(0.36)	5.4	ND(3.5)
Benzo(a)pyrene	ND(2.0)	ND(0.34)	ND(0.36)	ND(1.7)	ND(1.7)	ND(3.4) [ND(3.5)]	ND(0.34)	ND(1.8)	ND(3.4)	ND(0.36)	6.2	ND(3.5)
Benzo(b)fluoranthene	ND(2.0)	ND(0.34)	ND(0.36)	ND(1.7)	ND(1.7)	ND(3.4) [ND(3.5)]	ND(0.34)	ND(1.8)	ND(3.4)	ND(0.36)	7.4	ND(3.5)
Inorganics												
Arsenic	ND(10.0) J	13.4	9.20	11.0	ND(8.50)	14.2 [11.0]	ND(8.30)	9.40 J	10.2 J	13.5 J	10.5	9.70

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GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	ESSB-Q18	ESSB-R18	ESSB-R22	ESSB-S11	ESSB-S12	ESSB-S14	ESSB-S16	ESSB-S18	ESSB-S20	ESSB-S22	ESSB-T16	ESSS-A01
Sample Depth(Feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
Parameter Date Collected:	01/28/04	01/27/04	01/27/04	01/19/04	01/26/04	01/21/04	01/21/04	01/21/04	12/30/03	01/21/04	12/23/03	12/22/03
Semivolatile Organics												
Benzo(a)anthracene	0.27 J	12 J	ND(1.8)	ND(3.7)	0.26 J [0.42]	10	ND(3.6)	ND(3.6) [ND(3.6)]	1.1 J	ND(1.7)	2.3 J	ND(2.0)
Benzo(a)pyrene	0.24 J	10 J	ND(1.8)	ND(3.7)	0.27 J [0.41]	8.2	ND(3.6)	ND(3.6) [ND(3.6)]	1.0 J	ND(1.7)	2.0 J	ND(2.0)
Benzo(b)fluoranthene	0.23 J	13 J	ND(1.8)	ND(3.7)	0.34 J [0.37]	8.1	ND(3.6)	ND(3.6) [ND(3.6)]	1.2 J	ND(1.7)	2.2 J	ND(2.0)
Inorganics												
Arsenic	12.7	ND(8.30)	10.0 J	17.3 J	10.3 [11.2]	11.5	ND(9.20)	ND(8.80) [ND(8.80)]	ND(8.90)	ND(8.70)	9.70	13.3

TABLE 7
SUMMARY OF PDI NON-PCB SAMPLE DATA - ELM STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	ESSS-A03 0 - 1 12/22/03	ESSS-A04 0 - 1 04/26/04	ESSS-B02 0 - 1 12/22/03	ESSS-B03 0 - 1 12/22/03	ESSS-B04 0 - 1 12/22/03	ESSS-B05 0 - 1 04/26/04	ESSS-C01 0 - 1 01/30/04	ESSS-C03 0 - 1 12/22/03	ESSS-C05 0 - 1 04/28/04	ESSS-D00 0 - 1 02/11/04	ESSS-D01 0 - 1 01/30/04	ESSS-D02 0 - 1 12/22/03
Semivolatile Organics												
Benzo(a)anthracene	ND(0.49)	ND(2.4)	ND(0.42)	ND(0.43)	ND(2.4)	ND(2.5)	ND(3.4)	ND(1.9)	ND(0.49)	0.47	ND(3.5)	ND(2.2)
Benzo(a)pyrene	*ND(0.49)*	*ND(2.4)*	*ND(0.42)*	*ND(0.43)*	*ND(2.4)*	*ND(2.5)*	*ND(3.4)*	*ND(1.9)*	*ND(0.49)*	*0.49*	*ND(3.5)*	*ND(2.2)*
Benzo(b)fluoranthene	ND(0.49)	ND(2.4)	ND(0.42)	ND(0.43)	ND(2.4)	ND(2.5)	ND(3.4)	ND(1.9)	ND(0.49)	0.50	ND(3.5)	ND(2.2)
Inorganics												
Arsenic	ND(12.6)	ND(11.8)	ND(10.6)	ND(10.3)	14.2 J	13.5	12.3 J	ND(9.30)	12.2	17.0	9.80 J	ND(10.9)

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GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	ESSS-D03	ESSS-D05	ESSS-D06	ESSS-D07	ESSS-E00	ESSS-E01	ESSS-E03	ESSS-E07	ESSS-F02	ESSS-F04	ESSS-F05	ESSS-F06
Sample Depth(Feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
Parameter Date Collected:	12/22/03	04/14/04	04/14/04	04/26/04	04/15/04	01/30/04	12/22/03	04/14/04	01/30/04	12/22/03	04/14/04	04/14/04
Semivolatile Organics												
Benzo(a)anthracene	ND(39)	ND(3.4)	ND(2.0)	ND(2.2)	ND(0.43)	ND(2.1)	ND(3.7)	2.7	ND(6.8)	2.8 J [2.2 J]	ND(1.8)	2.5
Benzo(a)pyrene	ND(39)	ND(3.4)	ND(2.0)	ND(2.2)	ND(0.43)	ND(2.1)	ND(3.7)	2.5	ND(6.8)	2.7 J [1.9 J]	ND(1.8)	2.6
Benzo(b)fluoranthene	ND(39)	ND(3.4)	ND(2.0)	ND(2.2)	ND(0.43)	ND(2.1)	ND(3.7)	2.4	ND(6.8)	2.6 J [2.0 J]	ND(1.8)	3.2
Inorganics												
Arsenic	ND(9.90)	10.5 J	ND(9.90) J	12.5	ND(10.4) J	12.0 J	9.70 J	ND(9.50) J	12.8 J	9.60 J [9.80 J]	ND(8.50) J	ND(9.20) J

TABLE 7
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FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	ESSS-F07	ESSS-G03	ESSS-G05	ESSS-G07	ESSS-G08	ESSS-G09	ESSS-H02	ESSS-H05	ESSS-H07	ESSS-H08	ESSS-H09
Sample Depth(Feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
Parameter Date Collected:	04/26/04	01/30/04	12/05/03	04/14/04	04/14/04	04/26/04	12/02/03	12/22/03	04/15/04	04/15/04	04/26/04
Semivolatile Organics											
Benzo(a)anthracene	ND(2.2)	ND(1.8)	ND(0.35)	2.3	33	ND(2.2)	ND(0.41)	ND(4.2)	ND(1.8)	1.4 J [1.2]	ND(2.3)
Benzo(a)pyrene	1.0 J	ND(1.8)	ND(0.35)	2.5	28	ND(2.2)	0.21 J	ND(4.2)	ND(1.8)	1.2 J [1.3]	ND(2.3)
Benzo(b)fluoranthene	ND(2.2)	ND(1.8)	ND(0.35)	2.3	33	ND(2.2)	0.19 J	ND(4.2)	ND(1.8)	1.3 J [1.5]	ND(2.3)
Inorganics											
Arsenic	12.1	14.3 J	ND(8.80)	ND(9.80) J	ND(10.0) J	ND(10.4)	ND(10.3)	ND(10.0)	ND(8.70) J	ND(10.0) J [ND(9.20)]	ND(11.7)

TABLE 7
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GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	ESSS-H10	ESSS-H17	ESSS-H18	ESSS-H19	ESSS-I03	ESSS-I09	ESSS-I10	ESSS-I11	ESSS-I15	ESSS-I16	ESSS-I17	ESSS-I18	ESSS-I19
Sample Depth(Feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
Parameter Date Collected:	04/26/04	04/26/04	04/15/04	04/15/04	12/02/03	04/15/04	04/26/04	04/15/04	04/26/04	04/26/04	04/26/04	04/26/04	04/15/04
Semivolatile Organics													
Benzo(a)anthracene	ND(2.4)	ND(2.5)	ND(0.40)	ND(0.35)	ND(0.39)	1.5 J	ND(2.3)	ND(0.46)	ND(2.1)	ND(2.3)	ND(2.4)	ND(2.0)	ND(0.36)
Benzo(a)pyrene	ND(2.4)	ND(2.5)	ND(0.40)	ND(0.35)	ND(0.39)	1.6 J	ND(2.3)	ND(0.46)	ND(2.1)	ND(2.3)	ND(2.4)	ND(2.0)	ND(0.36)
Benzo(b)fluoranthene	ND(2.4)	ND(2.5)	ND(0.40)	ND(0.35)	ND(0.39)	1.6 J	ND(2.3)	ND(0.46)	ND(2.1)	ND(2.3)	ND(2.4)	ND(2.0)	ND(0.36)
Inorganics													
Arsenic	15.8	ND(11.8)	ND(10.4)	ND(8.70) J	ND(9.20)	ND(10.0) J	13.6	ND(11.1) J	11.4	ND(11.7)	13.4	ND(10.0)	ND(9.10)

TABLE 7
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PRE-DESIGN REPORT
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GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	ESSS-J03	ESSS-J04	ESSS-J10	ESSS-J11	ESSS-J12	ESSS-J13	ESSS-J14	ESSS-J15	ESSS-J16	ESSS-J17	ESSS-J19
Sample Depth(Feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
Parameter / Date Collected:	12/02/03	12/02/03	04/15/04	04/15/04	04/26/04	04/16/04	04/16/04	04/15/04	04/15/04	04/26/04	04/15/04
Semivolatile Organics											
Benzo(a)anthracene	ND(0.38)	ND(0.40)	ND(1.9)	ND(0.39)	ND(2.4)	ND(1.8)	ND(1.9)	ND(0.41)	ND(0.44)	ND(2.2)	ND(0.37) [ND(0.38)]
Benzo(a)pyrene	*ND(0.38)*	*0.20 J*	*ND(1.9)*	*ND(0.39)*	*ND(2.4)*	*ND(1.8)*	*ND(1.9)*	*ND(0.41)*	*0.19 J*	*ND(2.2)*	*ND(0.37) [ND(0.38)]*
Benzo(b)fluoranthene	ND(0.38)	0.22 J	ND(1.9)	ND(0.39)	ND(2.4)	ND(1.8)	ND(1.9)	ND(0.41)	0.24 J	ND(2.2)	ND(0.37) [ND(0.38)]
Inorganics											
Arsenic	ND(9.90)	ND(9.70)	ND(9.30) J	ND(9.30) J	ND(12.1)	ND(9.30)	10.5 J	ND(10.1)	ND(11.1)	12.3	ND(9.40) [ND(9.60)]

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GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	ESSS-K05 0 - 1 12/02/03	ESSS-K11 0 - 1 04/15/04	ESSS-K12 0 - 1 04/15/04	ESSS-K13 0 - 1 04/16/04	ESSS-K14 0 - 1 04/16/04	ESSS-K17 0 - 1 04/15/04	ESSS-K19 0 - 1 04/15/04	ESSS-L04 0 - 1 12/02/03	ESSS-L06 0 - 1 12/10/03	ESSS-L19 0 - 1 04/15/04	ESSS-M05 0 - 1 12/02/03	ESSS-M07 0 - 1 12/10/03
Semivolatile Organics												
Benzo(a)anthracene	ND(0.40) [ND(0.40)]	ND(1.9)	ND(2.0)	1.4 J	ND(2.0)	ND(0.43)	ND(0.38)	ND(0.41)	ND(1.7) J	0.42	ND(0.36)	ND(1.7)
Benzo(a)pyrene	ND(0.40) [ND(0.40)]	ND(1.9)	ND(2.0)	1.1 J	ND(2.0)	ND(0.43)	ND(0.38)	ND(0.41)	ND(1.7) J	0.33 J	ND(0.36)	ND(1.7) J
Benzo(b)fluoranthene	ND(0.40) [ND(0.40)]	ND(1.9)	ND(2.0)	1.3 J	ND(2.0)	ND(0.43)	ND(0.38)	ND(0.41)	ND(1.7) J	0.43	ND(0.36)	ND(1.7) J
Inorganics												
Arsenic	11.6 J [12.5 J]	ND(9.30) J	ND(10.0) J	12.9 J	ND(9.50)	58.0	ND(9.40) J	ND(10.2)	9.20 J	ND(9.40) J	ND(8.70)	8.90 J

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GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	ESSS-N06	ESSS-O07	ESSS-P07	ESSS-P08	ESSS-P18	ESSS-Q09	ESSS-Q17	ESSS-R08	ESSS-R09	ESSS-R10	ESSS-R11	ESSS-R17
Sample Depth(Feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
Parameter Date Collected:	12/02/03	12/10/03	12/10/03	12/10/03	01/28/04	12/10/03	01/20/04	12/10/03	12/10/03	01/20/04	01/20/04	01/20/04
Semivolatile Organics												
Benzo(a)anthracene	0.34 J	2.0	ND(1.7) J	ND(2.2)	0.19 J	ND(1.7)	ND(3.3)	ND(1.7)	ND(1.7) J	ND(35)	ND(0.36)	ND(0.33)
Benzo(a)pyrene	0.23 J	2.0 J	1.0 J	ND(2.2)	0.15 J	ND(1.7) J	ND(3.3)	ND(1.7)	ND(1.7) J	ND(35)	ND(0.36)	ND(0.33)
Benzo(b)fluoranthene	0.25 J	2.4 J	1.0 J	ND(2.2)	ND(0.33)	ND(1.7) J	ND(3.3)	ND(1.7)	ND(1.7) J	ND(35)	ND(0.36)	ND(0.33)
Inorganics												
Arsenic	ND(9.90)	14.2 J	ND(8.60)	14.9 J	ND(8.10)	16.0 J	ND(8.40)	16.3 J	13.9 J	11.7 J	ND(8.50)	28.7 J

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GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	ESSS-R19	ESSS-R20	ESSS-R21	ESSS-S13	ESSS-S17	ESSS-T15	ESSS-T17	ESSS-T18	ESSS-T19	ESSS-T20
Sample Depth(Feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
Parameter Date Collected:	01/27/04	01/27/04	01/27/04	01/19/04	01/19/04	01/23/04	01/23/04	01/23/04	01/23/04	01/23/04
Semivolatile Organics										
Benzo(a)anthracene	ND(0.34)	ND(0.35)	ND(0.34)	11	ND(0.34)	ND(3.6)	110	ND(3.8)	11	4.2
Benzo(a)pyrene	ND(0.34)	ND(0.35)	ND(0.34)	8.7	ND(0.34)	ND(3.6)	91	ND(3.8)	11	4.6
Benzo(b)fluoranthene	ND(0.34)	ND(0.35)	ND(0.34)	10	ND(0.34)	ND(3.6)	84	ND(3.8)	12	5.5
Inorganics										
Arsenic	ND(8.20)	ND(8.30)	ND(8.50)	ND(9.00)	10.2 J	13.9	8.90	17.2	ND(8.70)	ND(9.40)

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PRE-DESIGN REPORT
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GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to Severn Trent Laboratories, Inc. for analysis of SVOCs and Inorganics.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Field duplicate sample results are presented in brackets.
4. In the areas where temporary cover materials have been placed (e.g., geotextile and soil cover), the 0- to 1-foot surface soil sampling interval will begin at the depth of the geotextile installed by EPA, which is considered to represent the boundary between clean barrier soils and native Site soils.

Data Qualifiers:

J - The compound was positively identified; however, the associated numerical value is an estimated concentration only.
UJ - The analyte was not detected; however, the reported limit is approximate and may or may not represent the actual limit of detection.

TABLE 8
SUMMARY OF PDI PCB SAMPLE DATA - ELM STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
3-CS-S08-A	1 - 3	8/17/2004	ND(18) [ND(11)]	ND(18) [ND(11)]	ND(18) [ND(11)]	ND(18) [ND(11)]	460 [320]	ND(18) [92]	ND(18) [ND(11)]	460 [410]
	3 - 5	8/17/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	1.6	ND(0.22)	ND(0.22)	1.6
	5 - 7	8/17/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.060 J	ND(0.034)	ND(0.034)	0.060 J
	7 - 9	8/17/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.57	0.57
	9 - 11	8/17/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
EB-03B	1 - 3	8/17/2004	ND(37) [ND(21)]	ND(37) [ND(21)]	ND(37) [ND(21)]	ND(37) [ND(21)]	390 [410]	ND(37) [ND(21)]	ND(37) [ND(21)]	390 [410]
	3 - 5	8/17/2004	ND(21)	ND(21)	ND(21)	ND(21)	370	ND(21)	ND(21)	370
	5 - 7	8/17/2004	ND(280)	ND(280)	ND(280)	2000	ND(280)	ND(280)	ND(280)	2000
	9 - 11	8/17/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.055	ND(0.033)	ND(0.033)	0.055
	13 - 15	8/17/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.096	ND(0.034)	ND(0.034)	0.096
EB-03BE	1 - 3	8/19/2004	ND(24)	ND(24)	ND(24)	ND(24)	670	ND(24)	ND(24)	670
	3 - 5	8/19/2004	ND(12)	ND(12)	ND(12)	ND(12)	180	ND(12)	ND(12)	180
	5 - 7	8/19/2004	ND(9.7)	ND(9.7)	ND(9.7)	ND(9.7)	140	ND(9.7)	ND(9.7)	140
EB-03BN	1 - 3	8/23/2004	ND(4.5)	ND(4.5)	ND(4.5)	ND(4.5)	34	ND(4.5)	ND(4.5)	34
	3 - 5	8/23/2004	ND(4.1)	ND(4.1)	ND(4.1)	ND(4.1)	6.8	ND(4.1)	ND(4.1)	6.8
	5 - 7	8/23/2004	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	1.9	ND(0.38)	ND(0.38)	1.9
	9 - 11	8/23/2004	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	0.094	ND(0.032)	ND(0.032)	0.094
	11 - 13	8/23/2004	ND(14)	ND(14)	ND(14)	ND(14)	300	ND(14)	ND(14)	300
	13 - 15	8/23/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	1.0 JN	ND(0.22)	ND(0.22)	1.0 JN
	15 - 17	8/23/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.54 J	ND(0.18)	ND(0.18)	0.54 J
EB-03BS	1 - 3	8/19/2004	ND(0.74) J	ND(0.74) J	ND(0.74) J	ND(0.74) J	9.0 J	ND(0.74) J	ND(0.74) J	9.0 J
	3 - 5	8/19/2004	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	21	ND(1.3)	ND(1.3)	21
	5 - 7	8/19/2004	ND(20)	ND(20)	ND(20)	ND(20)	890	ND(20)	ND(20)	890
EB-15	2.5 - 4.5	8/11/2004	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	0.15 [0.16]	0.033 J [0.034 J]	ND(0.035) [ND(0.035)]	0.19 J [0.20 J]
	4.5 - 6.5	8/11/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.24	ND(0.035)	0.047	ND(0.035)	0.29
	6.5 - 8.5	8/11/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.15 JN	ND(0.039)	ND(0.039)	0.15 JN
	8.5 - 10.5	8/11/2004	ND(0.25)	ND(0.25)	ND(0.25)	0.72	ND(0.25)	ND(0.25)	ND(0.25)	0.72
	10.5 - 12	8/11/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.067 JN	ND(0.038)	ND(0.038)	0.067 JN
	14 - 14.5	8/11/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.22	0.059	ND(0.034)	0.28
	14.5 - 16.5	8/11/2004	ND(0.040)	ND(0.040)	ND(0.040)	0.037 J	ND(0.040)	ND(0.040)	ND(0.040)	0.037 J
	16.5 - 18.5	8/11/2004	ND(0.044)	ND(0.044)	ND(0.044)	0.056 J	ND(0.044)	ND(0.044)	ND(0.044)	0.056 J
	18.5 - 20.5	8/11/2004	ND(0.057)	ND(0.057)	ND(0.057)	0.027 J	ND(0.057)	ND(0.057)	ND(0.057)	0.027 J
	20.5 - 22.5	8/11/2004	ND(0.044)	ND(0.044)	ND(0.044)	0.036 J	ND(0.044)	ND(0.044)	ND(0.044)	0.036 J
EB-15SE	*1 - 2.5*	*8/10/2004*	*ND(48)*	*ND(48)*	*ND(48)*	*ND(48)*	*390*	*150*	*ND(48)*	*540*
	2.5 - 4.5	8/10/2004	ND(54)	ND(54)	ND(54)	ND(54)	500	380	ND(54)	880
EB-15SW	1 - 3	8/10/2004	ND(200)	ND(200)	ND(200)	ND(200)	1100	320	ND(200)	1500
	3 - 5	8/10/2004	ND(210)	ND(210)	ND(210)	ND(210)	710	270	ND(210)	980
	5 - 7	8/10/2004	ND(130)	ND(130)	ND(130)	ND(130)	660	560	ND(130)	1200
	7 - 9	8/10/2004	ND(10)	ND(10)	ND(10)	ND(10)	42	27	ND(10)	69
	9 - 11	8/10/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.36	0.33	ND(0.037)	0.69
	11 - 13	8/10/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.065	0.047	ND(0.037)	0.11
	13 - 15	8/10/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.12	0.065	ND(0.044)	0.19
	15 - 17	*8/10/2004*	*ND(0.041)*	*ND(0.041)*	*ND(0.041)*	*ND(0.041)*	*0.011 J*	*ND(0.041)*	*ND(0.041)*	*0.011 J*
	17 - 19	8/10/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.034 J	0.019 J	ND(0.038)	0.053 J
	19 - 21	8/10/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.036 J	ND(0.045)	ND(0.045)	0.036 J
	21 - 23	8/10/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.057	0.035 J	ND(0.049)	0.091 J
EB-20A	1 - 3	8/17/2004	ND(21)	ND(21)	ND(21)	ND(21)	250	ND(21)	ND(21)	250
	3 - 5	8/17/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	12	5.4 EB	ND(1.2)	17 EB
	5 - 7	8/17/2004	ND(12)	ND(12)	ND(12)	ND(12)	120	84 EB	ND(12)	210 EB
	7 - 9	8/17/2004	ND(12)	ND(12)	ND(12)	ND(12)	69	34 EB	ND(12)	103 EB
	9 - 11	8/17/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.053	ND(0.037)	ND(0.037)	0.053
ESSB-A02	*1 - 3*	*2/3/2004*	*ND(0.046)*	*ND(0.046)*	*ND(0.046)*	*ND(0.046)*	*0.18*	*ND(0.046)*	*ND(0.046)*	*0.18*
	3 - 5	2/3/2004	ND(0.045) [ND(0.044)]	ND(0.045) [ND(0.044)]	ND(0.045) [ND(0.044)]	0.022 J [ND(0.044)]	ND(0.045) [0.018 JEB]	ND(0.045) [ND(0.044)]	ND(0.045) [ND(0.044)]	0.022 J [0.018 JEB]
	5 - 7	2/3/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)

TABLE 8
SUMMARY OF PDI PCB SAMPLE DATA - ELM STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
ESSB-C02	1 - 3	2/3/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	3 - 5	2/3/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
ESSB-C04	1 - 3	2/4/2004	ND(0.42) [ND(0.33)]	ND(0.42) [ND(0.33)]	ND(0.42) [ND(0.33)]	ND(0.42) [ND(0.33)]	4.4 [3.2]	ND(0.42) [ND(0.33)]	ND(0.42) [ND(0.33)]	4.4 [3.2]
	3 - 5	2/4/2004	ND(0.31)	ND(0.31)	ND(0.31)	2.8	ND(0.31)	ND(0.31)	ND(0.31)	2.8
	5 - 7	2/4/2004	ND(0.30)	ND(0.30)	ND(0.30)	3.1	ND(0.30)	ND(0.30)	ND(0.30)	3.1
ESSB-E02	1 - 3	2/3/2004	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	0.011 JEB	ND(0.032)	ND(0.032)	0.011 JEB
	3 - 5	2/3/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.084 EB	ND(0.033)	ND(0.033)	0.084 EB
	5 - 7	2/3/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.10 EB	ND(0.035)	ND(0.035)	0.10 EB
	7 - 9	2/3/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.021 JEB	ND(0.044)	ND(0.044)	0.021 JEB
	9 - 11	2/3/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	11 - 13	2/3/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
ESSB-E04	1 - 3	2/5/2004	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	0.36 [0.44]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	0.36 [0.44]
	3 - 5	2/5/2004	ND(2.3)	ND(2.3)	ND(2.3)	ND(2.3)	6.0	ND(2.3)	ND(2.3)	6.0
	5 - 7	2/5/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	2.1	ND(0.20)	ND(0.20)	2.1
	7 - 9	2/5/2004	ND(11)	ND(11)	ND(11)	ND(11)	26	ND(11)	ND(11)	26
	9 - 11	2/5/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.29	ND(0.042)	ND(0.042)	0.29
ESSB-E06	1 - 3	2/6/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	12	ND(1.2)	ND(1.2)	12
	3 - 5	2/6/2004	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	36	ND(1.9)	ND(1.9)	36
	5 - 7	2/6/2004	ND(0.44)	ND(0.44)	ND(0.44)	ND(0.44)	6.1	ND(0.44)	ND(0.44)	6.1
	7 - 9	2/6/2004	ND(1.4)	ND(1.4)	ND(1.4)	ND(1.4)	11	ND(1.4)	ND(1.4)	11
	9 - 11	2/6/2004	ND(3.9)	ND(3.9)	ND(3.9)	ND(3.9)	47	ND(3.9)	ND(3.9)	47
	11 - 13	2/6/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.046	ND(0.039)	ND(0.039)	0.046
ESSB-G04	1 - 3	2/3/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.22	ND(0.034)	ND(0.034)	0.22
	3 - 5	2/3/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.030 J	0.025 J	ND(0.034)	0.055 J
	5 - 7	2/3/2004	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]
	7 - 9	2/3/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.024 J	ND(0.035)	ND(0.035)	0.024 J
	9 - 11	2/3/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	11 - 13	2/3/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	13 - 15	2/3/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
ESSB-G06	1 - 3	2/9/2004	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	58	ND(4.0)	ND(4.0)	58
	3 - 5	2/9/2004	ND(4.8)	ND(4.8)	ND(4.8)	52	ND(4.8)	ND(4.8)	ND(4.8)	52
	5 - 7	2/9/2004	ND(4.3)	ND(4.3)	ND(4.3)	34	ND(4.3)	ND(4.3)	ND(4.3)	34
	7 - 9	2/9/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	17	ND(1.0)	ND(1.0)	17
	9 - 11	2/9/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.58	ND(0.036)	ND(0.036)	0.58
	11 - 13	2/9/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.054	ND(0.037)	ND(0.037)	0.054
ESSB-H03	1 - 2	4/27/2004	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	46 J	ND(4.9)	ND(4.9)	46 J
	2 - 3	4/27/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.30 J	ND(0.035)	ND(0.035)	0.30 J
ESSB-H06	1 - 3	7/29/2004	ND(43)	ND(43)	ND(43)	220	ND(43)	ND(43)	ND(43)	220
	3 - 5	7/29/2004	ND(0.42) [ND(0.26)]	ND(0.42) [ND(0.26)]	ND(0.42) [ND(0.26)]	6.8 [5.4]	ND(0.42) [ND(0.26)]	ND(0.42) [ND(0.26)]	ND(0.42) [ND(0.26)]	6.8 [5.4]
	5 - 7	7/29/2004	ND(14)	ND(14)	ND(14)	85	ND(14)	ND(14)	ND(14)	85
	7 - 9	7/29/2004	ND(0.61)	ND(0.61)	ND(0.61)	8.8	ND(0.61)	ND(0.61)	ND(0.61)	8.8
	9 - 11	7/29/2004	ND(0.24)	ND(0.24)	ND(0.24)	2.7	ND(0.24)	ND(0.24)	ND(0.24)	2.7
ESSB-I04	1 - 3	2/2/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	0.98	0.64	ND(0.24)	1.6
	3 - 5	2/2/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.068	ND(0.035)	ND(0.035)	0.068
	5 - 7	2/2/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	7 - 9	2/2/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.38	ND(0.034)	ND(0.034)	0.38
	9 - 11	2/2/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.044)	ND(0.034)	ND(0.034)	ND(0.044)
	11 - 13	2/2/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	13 - 15	2/2/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
ESSB-I05	1 - 3	8/13/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	3 - 5	8/13/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	5 - 7	8/13/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	7 - 9	8/13/2004	ND(0.038) [ND(0.036)]	ND(0.038) [ND(0.036)]	ND(0.038) [ND(0.036)]	ND(0.038) [ND(0.036)]	0.016 J [0.013 J]	ND(0.038) [0.012 J]	ND(0.038) [ND(0.036)]	0.016 J [0.025 J]
	9 - 11	8/13/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)

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GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
ESSB-I06	1 - 3	2/10/2004	ND(130)	ND(130)	ND(130)	ND(130)	1300	ND(130)	ND(130)	1300
	3 - 5	2/10/2004	ND(0.93)	ND(0.93)	ND(0.93)	ND(0.93)	17	ND(0.93)	ND(0.93)	17
	5 - 7	2/10/2004	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	21	ND(1.1)	ND(1.1)	21
	7 - 9	2/10/2004	ND(24)	ND(24)	ND(24)	ND(24)	310	ND(24)	ND(24)	310
	9 - 11	2/10/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.18 J	ND(0.036)	ND(0.036)	0.18 J
	11 - 13	2/10/2004	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	1.4	ND(0.17)	ND(0.17)	1.4
	13 - 15	2/10/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.15 J	ND(0.038)	ND(0.038)	0.15 J
ESSB-I07	1 - 3	8/13/2004	ND(27)	ND(27)	ND(27)	ND(27)	91	ND(27)	ND(27)	91
	3 - 5	8/13/2004	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	16	ND(1.1)	ND(1.1)	16
	5 - 7	8/13/2004	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	6.6	ND(0.38)	ND(0.38)	6.6
	7 - 9	8/13/2004	ND(12)	ND(12)	ND(12)	ND(12)	88	ND(12)	ND(12)	88
	9 - 11	8/13/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	5.9	ND(0.25)	ND(0.25)	5.9
	11 - 13	8/13/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.063	ND(0.034)	ND(0.034)	0.063
ESSB-I08	1 - 3	2/11/2004	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	58	ND(2.5)	ND(2.5)	58
	3 - 5	2/11/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	0.89	ND(0.19)	ND(0.19)	0.89
	5 - 7	2/11/2004	ND(0.25) [ND(0.22)]	ND(0.25) [ND(0.22)]	ND(0.25) [ND(0.22)]	ND(0.25) [ND(0.22)]	3.4 [3.1]	ND(0.25) [ND(0.22)]	ND(0.25) [ND(0.22)]	3.4 [3.1]
	7 - 9	2/11/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.12	ND(0.035)	ND(0.035)	0.12
	9 - 11	2/11/2004	ND(5.4)	ND(5.4)	ND(5.4)	ND(5.4)	120	ND(5.4)	ND(5.4)	120
	11 - 13	2/11/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	15	ND(1.2)	ND(1.2)	15
	13 - 15	*2/11/2004*	*ND(0.038)*	*ND(0.038)*	*ND(0.038)*	*ND(0.038)*	*0.071*	*ND(0.038)*	*ND(0.038)*	*0.071*
ESSB-I08NW	7 - 9	8/19/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	11	ND(1.2)	ND(1.2)	11
	9 - 11	8/19/2004	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	17	ND(1.9)	ND(1.9)	17
	11 - 13	8/19/2004	ND(0.92)	ND(0.92)	ND(0.92)	ND(0.92)	9.9	ND(0.92)	ND(0.92)	9.9
ESSB-J06	1 - 3	7/29/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	1.2 JN	ND(0.23)	ND(0.23)	1.2 JN
	3 - 5	7/29/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	2.0 JN	ND(0.23)	ND(0.23)	2.0 JN
	5 - 7	7/29/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.033 J	ND(0.038)	ND(0.038)	0.033 J
	7 - 9	7/29/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.014 J	ND(0.036)	ND(0.036)	0.014 J
	9 - 11	7/29/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
ESSB-J07	1 - 3	8/13/2004	ND(4.3)	ND(4.3)	ND(4.3)	ND(4.3)	46	ND(4.3)	ND(4.3)	46
	3 - 5	8/13/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	0.36 J	ND(0.22)	ND(0.22)	0.36 J
	5 - 7	*8/13/2004*	*ND(0.034)*	*ND(0.034)*	*ND(0.034)*	*ND(0.034)*	*0.13*	*ND(0.034)*	*ND(0.034)*	*0.13*
	9 - 11	8/13/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.29	0.14	ND(0.038)	0.43
	11 - 13	8/13/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.019 J	0.0092 J	ND(0.034)	0.028 J
	13 - 15	8/13/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.045	ND(0.034)	ND(0.034)	0.045
ESSB-J18	1 - 3	########	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	8.6	ND(1.9)	ND(1.9)	8.6
	3 - 5	########	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	1.6	ND(0.23)	ND(0.23)	1.6
	5 - 7	########	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.67	ND(0.18)	ND(0.18)	0.67
	7 - 9	########	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	1.1	ND(0.18)	ND(0.18)	1.1
	11 - 13	########	ND(6.8)	ND(6.8)	ND(6.8)	ND(6.8)	73	ND(6.8)	ND(6.8)	73
	13 - 15	########	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	0.24	ND(0.068)	ND(0.068)	0.24
	15 - 17	########	ND(6.9) [ND(3.4)]	ND(6.9) [ND(3.4)]	ND(6.9) [ND(3.4)]	ND(6.9) [ND(3.4)]	46 [30]	ND(6.9) [ND(3.4)]	ND(6.9) [ND(3.4)]	46 [30]
	17 - 19	########	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.33	ND(0.039)	ND(0.039)	0.33
	19 - 21	########	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.074	ND(0.037)	ND(0.037)	0.074
	21 - 23	########	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.069	ND(0.037)	ND(0.037)	0.069
ESSB-K06	1 - 3	2/2/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.042)	ND(0.034)	ND(0.034)	ND(0.042)
	3 - 5	2/2/2004	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]
	5 - 7	2/2/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	7 - 9	2/2/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	9 - 11	2/2/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	11 - 13	2/2/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.056	0.044 J	ND(0.035)	0.10 J
	13 - 15	2/2/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	15 - 17	2/2/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
ESSB-K07	1 - 3	8/13/2004	ND(450)	ND(450)	ND(450)	ND(450)	2100	ND(450)	ND(450)	2100
	3 - 5	8/13/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	2.8	ND(0.23)	ND(0.23)	2.8

TABLE 8
SUMMARY OF PDI PCB SAMPLE DATA - ELM STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
ESSB-K08	1 - 3	2/11/2004	ND(130)	ND(130)	ND(130)	ND(130)	1000	ND(130)	ND(130)	1000
	3 - 5	2/11/2004	ND(4.9) [ND(2.0)]	ND(4.9) [ND(2.0)]	ND(4.9) [ND(2.0)]	ND(4.9) [ND(2.0)]	47 [30]	20 [18]	ND(4.9) [ND(2.0)]	68 [48]
	5 - 7	2/11/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	1.8	0.58	ND(0.21)	2.3
	7 - 9	2/11/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	0.99	0.42	ND(0.25)	1.4
	9 - 11	2/11/2004	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	0.76	ND(0.27)	ND(0.27)	0.76
	11 - 13	2/11/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.15	0.091 J	ND(0.044)	0.24 J
	13 - 15	2/11/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.034 J	0.0099 J	ND(0.036)	0.044
	15 - 17	2/11/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
	17 - 19	2/11/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.14	ND(0.038)	ND(0.038)	0.14
ESSB-K09	1 - 3	8/4/2004	ND(540)	ND(540)	ND(540)	4300	ND(540)	ND(540)	ND(540)	4300
	3 - 5	8/4/2004	ND(10)	ND(10)	ND(10)	ND(10)	41	27	ND(10)	68
ESSB-K10	1 - 3	2/11/2004	ND(4.4)	ND(4.4)	ND(4.4)	ND(4.4)	50	ND(4.4)	ND(4.4)	50
	3 - 5	2/11/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	7.4	ND(1.0)	ND(1.0)	7.4
	5 - 7	2/11/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.064	ND(0.037)	ND(0.037)	0.064
	7 - 9	2/11/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	4.0 J	0.62	ND(0.24)	4.6 J
	9 - 11	2/11/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.037 JN	ND(0.036)	ND(0.036)	0.037 JN
	11 - 13	2/11/2004	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	2.1	ND(0.26)	ND(0.26)	2.1
	13 - 15	2/11/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.051	ND(0.038)	ND(0.038)	0.051
	15 - 17	2/11/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.16	0.094 J	ND(0.036)	0.25 J
	17 - 19	2/11/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.036 J	ND(0.041)	ND(0.041)	0.036 J
ESSB-K16	1 - 3	2/9/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	62	ND(5.0)	ND(5.0)	62
	3 - 5	2/9/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	2.4	ND(0.20)	ND(0.20)	2.4
	5 - 7	2/9/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	4.3	ND(0.20)	ND(0.20)	4.3
	7 - 9	2/9/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	1.7	ND(0.22)	ND(0.22)	1.7
	9 - 11	2/9/2004	ND(22)	ND(22)	ND(22)	ND(22)	190	ND(22)	ND(22)	190
	11 - 13	2/9/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	1.7	0.98	ND(0.22)	2.7
	13 - 15	2/9/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.14 J	ND(0.036)	ND(0.036)	0.14 J
	15 - 17	2/9/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.64	ND(0.037)	ND(0.037)	0.64
	17 - 19	2/9/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.048 J	ND(0.039)	ND(0.039)	0.048 J
	19 - 21	2/9/2004	ND(1.4)	ND(1.4)	ND(1.4)	22	ND(1.4)	ND(1.4)	1.7	24
	21 - 23	2/9/2004	ND(14)	ND(14)	ND(14)	140	ND(14)	ND(14)	6.8 J	150 J
ESSB-K18	1 - 2	########	ND(0.78)	ND(0.78)	ND(0.78)	ND(0.78)	6.0	ND(0.78)	ND(0.78)	6.0
	2 - 4	########	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	6.1	ND(1.9)	ND(1.9)	6.1
	4 - 6	########	ND(40)	ND(40)	ND(40)	ND(40)	490	ND(40)	ND(40)	490
	6 - 8	########	ND(8.1)	ND(8.1)	ND(8.1)	ND(8.1)	110	ND(8.1)	ND(8.1)	110
	8 - 10	########	ND(3.4)	ND(3.4)	ND(3.4)	ND(3.4)	28	ND(3.4)	ND(3.4)	28
	10 - 12	########	ND(6.8)	ND(6.8)	ND(6.8)	ND(6.8)	150	ND(6.8)	ND(6.8)	150
	12 - 14	########	ND(7.0)	ND(7.0)	ND(7.0)	ND(7.0)	38	31	ND(7.0)	70
	14 - 16	########	ND(7.4)	ND(7.4)	ND(7.4)	ND(7.4)	65	29	ND(7.4)	94
ESSB-K18E	1 - 3	8/24/2004	ND(5.0) [ND(9.5)]	ND(5.0) [ND(9.5)]	ND(5.0) [ND(9.5)]	ND(5.0) [ND(9.5)]	75 [120]	ND(5.0) [ND(9.5)]	ND(5.0) [ND(9.5)]	75 [120]
	3 - 5	8/24/2004	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	22	6.8	ND(2.1)	29
	5 - 7	8/24/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.6	ND(0.20)	ND(0.20)	1.6
	7 - 9	8/24/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	1.5	ND(0.18)	ND(0.18)	1.5
	9 - 11	8/24/2004	ND(0.033)	ND(0.033)	ND(0.033)	0.23	ND(0.033)	ND(0.033)	ND(0.033)	0.23
	11 - 13	8/24/2004	ND(0.033)	ND(0.033)	ND(0.033)	0.10	ND(0.033)	ND(0.033)	ND(0.033)	0.10
	13 - 15	8/24/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	15 - 17	8/24/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	2.7	ND(0.21)	ND(0.21)	2.7
	17 - 19	8/24/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	19 - 21	8/24/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	21 - 23	8/24/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.018 J	ND(0.034)	ND(0.034)	0.018 J
	23 - 24	8/24/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.030 J	ND(0.038)	ND(0.038)	0.030 J

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FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
ESSB-K18N	1 - 3	8/20/2004	ND(4.2) [ND(12)]	ND(4.2) [ND(12)]	ND(4.2) [ND(12)]	ND(4.2) [ND(12)]	45 [73]	ND(4.2) [ND(12)]	ND(4.2) [ND(12)]	45 [73]
	3 - 5	8/20/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.11 J	ND(0.040)	ND(0.040)	0.11 J
	5 - 7	8/20/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.070 J	ND(0.042)	0.028 J	0.098 J
	7 - 9	8/20/2004	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	0.14 J	ND(0.30)	ND(0.30)	0.14 J
	9 - 11	8/20/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	2.6	ND(0.25)	ND(0.25)	2.6
	11 - 13	8/20/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	1.3	ND(0.21)	ND(0.21)	1.3
	13 - 15	8/20/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.087	ND(0.036)	0.097	0.18
	15 - 17	8/20/2004	ND(0.93)	ND(0.93)	ND(0.93)	ND(0.93)	7.7	ND(0.93)	ND(0.93)	7.7
	17 - 19	8/20/2004	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	17	ND(2.0)	ND(2.0)	17
	19 - 21	8/20/2004	ND(5.0)	ND(5.0)	ND(5.0)	56	ND(5.0)	ND(5.0)	ND(5.0)	56
	21 - 23	8/20/2004	ND(0.21)	ND(0.21)	ND(0.21)	2.2	ND(0.21)	ND(0.21)	ND(0.21)	2.2
ESSB-K18W	1 - 3	8/19/2004	ND(2.5) [ND(3.6)]	ND(2.5) [ND(3.6)]	ND(2.5) [ND(3.6)]	ND(2.5) [ND(3.6)]	22 J [38 J]	ND(2.5) [ND(3.6)]	ND(2.5) [ND(3.6)]	22 J [38 J]
	3 - 5	8/19/2004	ND(13)	ND(13)	ND(13)	ND(13)	280	ND(13)	ND(13)	280
	5 - 7	8/19/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.22	ND(0.034)	ND(0.034)	0.22
	7 - 9	8/19/2004	ND(10)	ND(10)	ND(10)	ND(10)	50	ND(10)	ND(10)	50
	9 - 11	8/19/2004	ND(11)	ND(11)	ND(11)	ND(11)	300	ND(11)	ND(11)	300
	11 - 13	8/19/2004	ND(20)	ND(20)	ND(20)	ND(20)	720	ND(20)	ND(20)	720
	13 - 15	8/19/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.098	ND(0.036)	ND(0.036)	0.098
	15 - 17	8/19/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.020 J	ND(0.036)	ND(0.036)	0.020 J
	17 - 19	8/19/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	19 - 21	8/19/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.21 JN	ND(0.037)	ND(0.037)	0.21 JN
ESSB-L08	1 - 3	8/13/2004	ND(19)	ND(19)	ND(19)	ND(19)	62 J	49	ND(19)	110 J
	3 - 5	8/13/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	0.41	0.53	ND(0.19)	0.94
ESSB-L12	1 - 3	2/10/2004	ND(10)	ND(10)	ND(10)	ND(10)	140	ND(10)	ND(10)	140
	3 - 5	2/10/2004	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	40	ND(1.1)	ND(1.1)	40
	5 - 7	2/10/2004	ND(2.4)	ND(2.4)	ND(2.4)	ND(2.4)	44	ND(2.4)	ND(2.4)	44
	7 - 9	2/10/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.26	0.15	ND(0.042)	0.42
	9 - 11	2/10/2004	ND(5.9)	ND(5.9)	ND(5.9)	ND(5.9)	52	ND(5.9)	ND(5.9)	52
	11 - 13	2/10/2004	ND(3.9)	ND(3.9)	ND(3.9)	ND(3.9)	58	ND(3.9)	ND(3.9)	58
	13 - 15	2/10/2004	ND(2.8)	ND(2.8)	ND(2.8)	ND(2.8)	22	18	ND(2.8)	40
	15 - 17	2/10/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.14	0.094	ND(0.040)	0.23
	17 - 19	2/10/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.17	0.062	ND(0.040)	0.23
ESSB-L12N	1 - 3	8/26/2004	ND(18)	ND(18)	ND(18)	ND(18)	240	ND(18)	ND(18)	240
	3 - 5	8/26/2004	ND(10)	ND(10)	ND(10)	ND(10)	140	ND(10)	ND(10)	140
ESSB-L12SE	1 - 3	8/9/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.18	0.075	ND(0.038)	0.26
	3 - 5	8/9/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	0.63	0.18 J	ND(0.23)	0.81 J
ESSB-L12SW	1 - 3	8/4/2004	ND(400)	ND(400)	ND(400)	ND(400)	10000	ND(400)	ND(400)	10000
	3 - 5	8/4/2004	ND(1300)	ND(1300)	ND(1300)	ND(1300)	19000	ND(1300)	ND(1300)	19000
	5 - 7	8/25/2004	ND(530)	ND(530)	ND(530)	ND(530)	4100	ND(530)	ND(530)	4100
	7 - 9	8/25/2004	ND(1000)	ND(1000)	ND(1000)	ND(1000)	8800	ND(1000)	ND(1000)	8800
	9 - 11	8/25/2004	ND(430)	ND(430)	ND(430)	ND(430)	2800	ND(430)	ND(430)	2800
	11 - 13	8/25/2004	ND(21)	ND(21)	ND(21)	ND(21)	240	ND(21)	ND(21)	240
	13 - 15	8/25/2004	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	43	ND(4.0)	ND(4.0)	43
	15 - 17	8/25/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	15	ND(1.2)	ND(1.2)	15
ESSB-L13	4 - 5	8/26/2004	ND(13) [ND(10)]	ND(13) [ND(10)]	ND(13) [ND(10)]	ND(13) [ND(10)]	150 [120]	ND(13) [ND(10)]	ND(13) [ND(10)]	150 [120]
	5 - 6	8/26/2004	ND(20)	ND(20)	ND(20)	ND(20)	230	ND(20)	ND(20)	230
	6 - 7	8/26/2004	ND(10)	ND(10)	ND(10)	ND(10)	220	ND(10)	ND(10)	220
ESSB-L14	1 - 3	2/10/2004	ND(230)	ND(230)	ND(230)	ND(230)	7200	ND(230)	ND(230)	7200
	3 - 5	2/10/2004	ND(0.96)	ND(0.96)	ND(0.96)	ND(0.96)	23	ND(0.96)	ND(0.96)	23
	5 - 7	2/10/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.44 J	ND(0.034)	ND(0.034)	0.44 J
	7 - 9	2/10/2004	ND(0.44)	ND(0.44)	ND(0.44)	ND(0.44)	6.7	3.4	ND(0.44)	10
	9 - 11	2/10/2004	ND(0.47)	ND(0.47)	ND(0.47)	ND(0.47)	4.5	2.2	ND(0.47)	6.7

TABLE 8
SUMMARY OF PDI PCB SAMPLE DATA - ELM STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
ESSB-L14E	1 - 3	8/4/2004	ND(21)	ND(21)	ND(21)	ND(21)	420	ND(21)	ND(21)	420
	3 - 5	8/4/2004	ND(11)	ND(11)	ND(11)	ND(11)	200	ND(11)	ND(11)	200
	5 - 7	8/25/2004	ND(11)	ND(11)	ND(11)	ND(11)	ND(51)	ND(11)	ND(11)	ND(51)
	7 - 9	*8/25/2004*	*ND(8.9)*	*ND(8.9)*	*ND(8.9)*	*ND(8.9)*	*200*	*ND(8.9)*	*ND(8.9)*	*200*
	9 - 11	8/25/2004	ND(240)	ND(240)	ND(240)	ND(240)	3900	ND(240)	ND(240)	3900
ESSB-L14W	1 - 3	8/4/2004	ND(94) [ND(240)]	ND(94) [ND(240)]	ND(94) [ND(240)]	3200 [3300]	ND(94) [ND(240)]	ND(94) [ND(240)]	ND(94) [ND(240)]	3200 [3300]
	3 - 5	8/4/2004	ND(0.20)	ND(0.20)	ND(0.20)	2.3	ND(0.20)	ND(0.20)	ND(0.20)	2.3
ESSB-L15	1 - 2	4/28/2004	ND(130)	ND(130)	ND(130)	ND(130)	1100	ND(130)	ND(130)	1100
	2 - 3	4/28/2004	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	10 J	ND(1.1)	ND(1.1)	10 J
ESSB-L15E	1 - 2	8/4/2004	ND(26)	ND(26)	ND(26)	ND(26)	520	ND(26)	ND(26)	520
	3 - 5	8/25/2004	ND(25) [ND(22)]	ND(25) [ND(22)]	ND(25) [ND(22)]	ND(25) [ND(22)]	470 [610]	ND(25) [ND(22)]	ND(25) [ND(22)]	470 [610]
	5 - 7	8/25/2004	ND(3.9)	ND(3.9)	ND(3.9)	ND(3.9)	32	ND(3.9)	ND(3.9)	32
ESSB-L15S	1 - 2	8/4/2004	ND(4.2)	ND(4.2)	ND(4.2)	ND(4.2)	40	ND(4.2)	ND(4.2)	40
ESSB-L16	7 - 9	8/24/2004	ND(0.26) [ND(0.24)]	ND(0.26) [ND(0.24)]	ND(0.26) [ND(0.24)]	ND(0.26) [ND(0.24)]	3.7 [2.4]	1.9 [1.6]	ND(0.26) [ND(0.24)]	5.6 [4.0]
	9 - 11	8/24/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.17	0.15 J	ND(0.036)	0.32 J
	11 - 13	8/24/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.16	ND(0.036)	ND(0.036)	0.16
	19 - 21	8/24/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	3.6	ND(0.20)	ND(0.20)	3.6
	21 - 23	8/24/2004	ND(47)	ND(47)	ND(47)	1200	ND(47)	ND(47)	ND(47)	1200
ESSB-L17	7 - 9	8/24/2004	ND(38)	ND(38)	ND(38)	ND(38)	890	ND(38)	ND(38)	890
	9 - 11	8/24/2004	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	19	ND(1.3)	ND(1.3)	19
	11 - 13	8/24/2004	ND(0.88)	ND(0.88)	ND(0.88)	8.1	ND(0.88)	ND(0.88)	ND(0.88)	8.1
	19 - 21	8/24/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	1.1	ND(0.23)	ND(0.23)	1.1
	21 - 23	8/24/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.31	ND(0.036)	ND(0.036)	0.31
ESSB-L18	1 - 3	8/19/2004	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)	3.5	ND(0.70)	ND(0.70)	3.5
	3 - 5	8/19/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.8	ND(0.19)	ND(0.19)	1.8
	5 - 7	8/19/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	4.8	ND(0.19)	ND(0.19)	4.8
	7 - 9	*8/19/2004*	*ND(0.21)*	*ND(0.21)*	*ND(0.21)*	*ND(0.21)*	*0.52*	*ND(0.21)*	*ND(0.21)*	*0.52*
	9 - 11	8/19/2004	ND(1.7)	ND(1.7)	ND(1.7)	ND(1.7)	6.8	3.6	ND(1.7)	10
	11 - 13	8/19/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	3.6	ND(0.20)	ND(0.20)	3.6
	13 - 15	8/19/2004	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)	2.1	ND(0.70)	ND(0.70)	2.1
	15 - 17	8/19/2004	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	1.2 J	ND(0.17)	ND(0.17)	1.2 J
	17 - 19	8/19/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.16	0.10 J	ND(0.035)	0.26 J
	19 - 21	8/19/2004	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	0.45	ND(0.074)	0.31	0.76
ESSB-M08	1 - 3	2/3/2004	ND(0.46)	ND(0.46)	ND(0.46)	ND(0.46)	7.2 EB	ND(0.46)	ND(0.46)	7.2 EB
	3 - 5	2/3/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.079 EB	ND(0.037)	ND(0.037)	0.079 EB
	5 - 7	2/3/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.080 EB	ND(0.036)	ND(0.036)	0.080 EB
	7 - 9	2/3/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.035 JEB	ND(0.036)	ND(0.036)	0.035 JEB
	9 - 11	2/3/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	11 - 13	2/3/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	13 - 15	2/3/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	15 - 16	2/3/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	20 - 22	2/3/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.024 J	ND(0.039)	ND(0.039)	0.024 J
ESSB-M10	1 - 3	2/5/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	2.2	0.73	ND(0.23)	2.9
	3 - 5	2/5/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	1.5	0.99	ND(0.22)	2.5
ESSB-M10E	1 - 3	8/25/2004	ND(37) [ND(21)]	ND(37) [ND(21)]	ND(37) [ND(21)]	ND(37) [ND(21)]	740 [450]	ND(37) [ND(21)]	ND(37) [ND(21)]	740 [450]
	3 - 5	8/25/2004	ND(11)	ND(11)	ND(11)	ND(11)	ND(46)	ND(11)	ND(11)	ND(46)
	5 - 7	8/25/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	5.1	1.6	ND(0.22)	6.6
	7 - 9	8/25/2004	ND(0.97)	ND(0.97)	ND(0.97)	ND(0.97)	11	5.4	ND(0.97)	16
	9 - 11	8/25/2004	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	23	13	ND(4.9)	36
	11 - 13	*8/25/2004*	*ND(0.28)*	*ND(0.28)*	*ND(0.28)*	*ND(0.28)*	*0.83*	*0.51*	*ND(0.28)*	*1.3*

TABLE 8
SUMMARY OF PDI PCB SAMPLE DATA - ELM STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
ESSB-M12	1 - 3	2/5/2004	ND(7.4) [ND(9.5)]	ND(7.4) [ND(9.5)]	ND(7.4) [ND(9.5)]	ND(7.4) [ND(9.5)]	52 [77]	26 [35]	ND(7.4) [ND(9.5)]	78 [110]
	3 - 5	2/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.36	0.14	ND(0.038)	0.50
	5 - 7	2/5/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.23	0.077 J	ND(0.042)	0.31 J
	7 - 9	*2/5/2004*	*ND(0.044)*	*ND(0.044)*	*ND(0.044)*	*ND(0.044)*	*0.29*	*0.16*	*ND(0.044)*	*0.45*
	9 - 11	2/5/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.27	0.18	ND(0.045)	0.45
	11 - 13	2/5/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.034 J	ND(0.036)	ND(0.036)	0.034 J
	13 - 15	2/5/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	15 - 17	2/5/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.8	ND(0.19)	ND(0.19)	1.8
	17 - 19	2/5/2004	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)
	19 - 21	2/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.38	ND(0.038)	ND(0.038)	ND(0.038)	0.38
	21 - 23	2/5/2004	ND(0.24)	ND(0.24)	ND(0.24)	2.7	ND(0.24)	ND(0.24)	ND(0.24)	2.7
ESSB-M14	1 - 3	########	ND(200)	ND(200)	ND(200)	ND(200)	84 J	ND(200)	ND(200)	84 J
	3 - 5	########	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	5.7	3.7	ND(0.73)	9.4
	5 - 7	########	ND(39)	ND(39)	ND(39)	ND(39)	80	ND(39)	ND(39)	80
	7 - 9	########	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	21	ND(3.8)	ND(3.8)	21
	9 - 11	########	ND(0.074) [ND(3.8)]	ND(0.074) [ND(3.8)]	ND(0.074) [ND(3.8)]	ND(0.074) [ND(3.8)]	0.74 J [19 J]	ND(0.074) [ND(3.8)]	ND(0.074) [ND(3.8)]	0.74 J [19 J]
	11 - 13	########	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.39	ND(0.038)	ND(0.038)	0.39
	13 - 15	########	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	2.8	ND(0.73)	ND(0.73)	2.8
	16 - 18	########	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.14	0.094	ND(0.046)	0.24
	18 - 20	########	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.14	0.12	ND(0.043)	0.25
	20 - 22	########	*ND(0.041)*	*ND(0.041)*	*ND(0.041)*	*ND(0.041)*	*0.025 J*	*0.027 J*	*ND(0.041)*	*0.051 J*
ESSB-M16	1 - 3	2/4/2004	ND(2.6)	ND(2.6)	ND(2.6)	ND(2.6)	31	ND(2.6)	ND(2.6)	31
	3 - 5	2/4/2004	ND(1.7)	ND(1.7)	ND(1.7)	ND(1.7)	11	ND(1.7)	ND(1.7)	11
	5 - 7	2/4/2004	ND(5.5)	ND(5.5)	ND(5.5)	ND(5.5)	67	19	ND(5.5)	86
	7 - 9	2/4/2004	ND(4.3)	ND(4.3)	ND(4.3)	ND(4.3)	42	ND(4.3)	ND(4.3)	42
	9 - 11	2/4/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.20	0.049	ND(0.035)	0.25
	11 - 13	*2/4/2004*	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*0.32*	*0.15*	*ND(0.036)*	*0.47*
	13 - 15	2/4/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.087	0.028 J	ND(0.036)	0.12 J
	15 - 17	2/4/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.67	0.70 J	ND(0.044)	1.4 J
	17 - 19	2/4/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.23	0.53 JN	ND(0.043)	0.75 JN
ESSB-M17	1 - 3	8/12/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	3.2 J	2.3	ND(0.20)	5.5 J
	3 - 5	8/12/2004	ND(1100)	ND(1100)	ND(1100)	11000	ND(1100)	ND(1100)	ND(1100)	11000
	5 - 7	8/12/2004	ND(19)	ND(19)	ND(19)	180	ND(19)	ND(19)	ND(19)	180
ESSB-M18	1 - 3	2/4/2004	ND(2.3)	ND(2.3)	ND(2.3)	ND(2.3)	60 JN	36	ND(2.3)	96 JN
	3 - 5	2/4/2004	ND(92)	ND(92)	ND(92)	ND(92)	580	ND(92)	ND(92)	580
	5 - 7	2/4/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.29	0.11	ND(0.037)	0.40
	7 - 9	2/4/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.12	ND(0.037)	ND(0.037)	0.12
	9 - 11	2/4/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.024 J	ND(0.036)	ND(0.036)	0.024 J
	11 - 13	2/4/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	1.8	1.0	ND(0.22)	2.8
	13 - 15	2/4/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.1 JN	0.57	ND(0.19)	1.7 JN
	15 - 17	2/4/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.014 J	ND(0.034)	ND(0.034)	0.014 J
	17 - 19	2/4/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.0096 J	ND(0.036)	ND(0.036)	0.0096 J
	19 - 21	2/4/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	21 - 23	2/4/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
ESSB-M18N	1 - 3	8/12/2004	ND(0.23) [ND(0.18)]	ND(0.23) [ND(0.18)]	ND(0.23) [ND(0.18)]	ND(0.23) [ND(0.18)]	2.1 [1.9]	ND(0.23) [0.60]	ND(0.23) [ND(0.18)]	2.1 [2.5]
	3 - 5	8/12/2004	ND(21)	ND(21)	ND(21)	ND(21)	170	73	ND(21)	240
	5 - 7	8/12/2004	ND(12)	ND(12)	ND(12)	ND(12)	110	30	ND(12)	140
ESSB-M18S	1 - 3	8/12/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.8	1.0	ND(0.20)	2.8
	3 - 5	8/12/2004	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.3)	11	4.7	ND(1.3)	16
	5 - 7	*8/12/2004*	*ND(0.033)*	*ND(0.033)*	*ND(0.033)*	*ND(0.033)*	*0.14*	*0.10*	*ND(0.033)*	*0.24*
ESSB-M19	1 - 3	8/17/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	1.0	0.96	ND(0.24)	2.0
	3 - 5	8/17/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.9 JN	3.2	ND(0.20)	5.2 JN
	5 - 7	8/17/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.050	0.034	ND(0.033)	0.084

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GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
ESSB-N14	1 - 3	8/24/2004	ND(200)	ND(200)	ND(200)	6900	ND(200)	ND(200)	ND(200)	6900
	3 - 5	8/24/2004	ND(1000)	ND(1000)	ND(1000)	7800	ND(1000)	ND(1000)	ND(1000)	7800
	5 - 7	8/24/2004	ND(48)	ND(48)	ND(48)	810	ND(48)	ND(48)	ND(48)	810
	7 - 9	8/24/2004	ND(21)	ND(21)	ND(21)	360	ND(21)	ND(21)	ND(21)	360
	9 - 11	8/24/2004	ND(0.25)	ND(0.25)	ND(0.25)	1.5	ND(0.25)	ND(0.25)	ND(0.25)	1.5
	11 - 13	8/24/2004	ND(0.20)	ND(0.20)	ND(0.20)	4.0	ND(0.20)	ND(0.20)	ND(0.20)	4.0
	13 - 15	8/24/2004	ND(0.22)	ND(0.22)	ND(0.22)	0.91	ND(0.22)	ND(0.22)	ND(0.22)	0.91
	15 - 17	8/24/2004	ND(0.23)	ND(0.23)	ND(0.23)	1.4	ND(0.23)	ND(0.23)	ND(0.23)	1.4
	17 - 19	*8/24/2004*	*ND(0.55)*	*ND(0.55)*	*ND(0.55)*	*ND(0.55)*	*6.0*	*ND(0.55)*	*ND(0.55)*	*6.0*
	19 - 21	8/24/2004	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.13)	ND(0.048)	ND(0.048)	ND(0.13)
	21 - 23	8/24/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.061)	ND(0.039)	ND(0.039)	ND(0.061)
ESSB-N16	1 - 3	8/17/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.076	ND(0.034)	ND(0.034)	0.076
	3 - 5	8/17/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.18	ND(0.034)	ND(0.034)	0.18
	5 - 7	8/17/2004	ND(21)	ND(21)	ND(21)	ND(21)	900	ND(21)	ND(21)	900
	7 - 9	8/17/2004	ND(120)	ND(120)	ND(120)	ND(120)	1700	ND(120)	ND(120)	1700
	9 - 11	8/17/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.15	ND(0.035)	ND(0.035)	0.15
ESSB-N18	1 - 3	8/17/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.16	ND(0.034)	ND(0.034)	0.16
	3 - 5	8/17/2004	ND(10)	ND(10)	ND(10)	ND(10)	55	67	ND(10)	120
	5 - 7	8/17/2004	ND(1.0) J	ND(1.0) J	ND(1.0) J	ND(1.0) J	8.0 J	9.6 J	ND(1.0) J	18 J
	7 - 8	8/17/2004	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	4.9	3.4	ND(0.38)	8.3
	8 - 10	8/17/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	1.7	1.0	ND(0.23)	2.7
ESSB-O10	1 - 3	1/29/2004	ND(0.58)	ND(0.58)	ND(0.58)	ND(0.58)	14	9.9	ND(0.58)	23
	3 - 5	1/29/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	4.2 J	3.6 J	ND(0.20)	7.8 J
	5 - 7	1/29/2004	ND(0.20) [ND(2.0)]	ND(0.20) [ND(2.0)]	ND(0.20) [ND(2.0)]	ND(0.20) [ND(2.0)]	8.6 J [20 J]	5.8 J [14 J]	ND(0.20) [ND(2.0)]	14 J [34 J]
	7 - 9	1/29/2004	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	30	16	ND(2.0)	46
	9 - 11	*1/29/2004*	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*0.022 J*	*ND(0.036)*	*ND(0.036)*	*0.022 J*
	11 - 13	1/29/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.13	ND(0.046)	ND(0.046)	0.13
	13 - 15	1/29/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.044	ND(0.037)	ND(0.037)	0.044
	15 - 17	1/29/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.030 J	ND(0.037)	ND(0.037)	0.030 J
	17 - 19	1/29/2004	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)
	19 - 21	1/29/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.021 J	0.030 J	ND(0.042)	0.051 J
	21 - 23	1/29/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
ESSB-O12	1 - 3	1/29/2004	ND(4.6)	ND(4.6)	ND(4.6)	ND(4.6)	92	ND(4.6)	ND(4.6)	92
	3 - 5	1/29/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	8.7	5.7	ND(1.2)	14
	5 - 7	1/29/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.032 J	0.020 J	ND(0.034)	0.052 J
	7 - 9	1/29/2004	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	6.6	4.2	ND(0.40)	11
	9 - 11	*1/29/2004*	*ND(0.22) [ND(0.036)]*	*ND(0.22) [ND(0.036)]*	*ND(0.22) [ND(0.036)]*	*ND(0.22) [ND(0.036)]*	*1.3 J [0.14 J]*	*0.90 J [0.098 J]*	*ND(0.22) [ND(0.036)]*	*2.2 J [0.23 J]*
	11 - 13	1/29/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.11)	0.090	ND(0.035)	0.090
	13 - 15	1/29/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	15 - 17	1/29/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.21	0.12	ND(0.038)	0.33
	17 - 19	1/29/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.080)	ND(0.038)	0.0092 J	0.0092 J
	19 - 21	1/29/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.81	0.38	ND(0.049)	1.2
ESSB-O14	1 - 3	2/2/2004	ND(2100) [ND(880)]	ND(2100) [ND(880)]	ND(2100) [ND(880)]	17000 [12000]	ND(2100) [ND(880)]	ND(2100) [ND(880)]	ND(2100) [ND(880)]	17000 [12000]
	3 - 5	2/2/2004	ND(980)	ND(980)	ND(980)	16000	ND(980)	ND(980)	ND(980)	16000
	5 - 7	2/2/2004	ND(5600)	ND(5600)	ND(5600)	40000	ND(5600)	ND(5600)	ND(5600)	40000
	7 - 9	2/2/2004	ND(56)	ND(56)	ND(56)	240	ND(56)	ND(56)	ND(56)	240
	9 - 11	2/2/2004	ND(46)	ND(46)	ND(46)	490	ND(46)	ND(46)	ND(46)	490
	11 - 13	2/2/2004	ND(2.1)	ND(2.1)	ND(2.1)	19	ND(2.1)	ND(2.1)	ND(2.1)	19
	15 - 17	2/2/2004	ND(13)	ND(13)	ND(13)	150	ND(13)	ND(13)	ND(13)	150
	17 - 19	2/2/2004	ND(2.2)	ND(2.2)	ND(2.2)	19	ND(2.2)	ND(2.2)	ND(2.2)	19
	19 - 21	2/2/2004	ND(0.27)	ND(0.27)	ND(0.27)	1.2	ND(0.27)	ND(0.27)	ND(0.27)	1.2
	21 - 23	2/2/2004	ND(0.24)	ND(0.24)	ND(0.24)	1.2	ND(0.24)	ND(0.24)	ND(0.24)	1.2

TABLE 8
SUMMARY OF PDI PCB SAMPLE DATA - ELM STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
ESSB-O14E	1 - 3	8/11/2004	ND(2400)	ND(2400)	ND(2400)	21000	ND(2400)	ND(2400)	ND(2400)	21000
	3 - 5	8/11/2004	ND(2200)	ND(2200)	ND(2200)	8500	ND(2200)	ND(2200)	ND(2200)	8500
	5 - 7	8/11/2004	ND(2200) [ND(2200)]	ND(2200) [ND(2200)]	ND(2200) [ND(2200)]	15000 [17000]	ND(2200) [ND(2200)]	ND(2200) [ND(2200)]	ND(2200) [ND(2200)]	15000 [17000]
	7 - 9	8/11/2004	ND(12)	ND(12)	ND(12)	34	ND(12)	ND(12)	ND(12)	34
	9 - 11	*8/11/2004*	*ND(0.46)*	*ND(0.46)*	*ND(0.46)*	*4.4*	*ND(0.46)*	*ND(0.46)*	*ND(0.46)*	*4.4*
	11 - 13	8/11/2004	ND(0.26)	ND(0.26)	ND(0.26)	2.4	ND(0.26)	ND(0.26)	ND(0.26)	2.4
	13 - 15	8/11/2004	ND(0.27)	ND(0.27)	ND(0.27)	2.3	ND(0.27)	ND(0.27)	ND(0.27)	2.3
	15 - 17	8/11/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.51	ND(0.20)	ND(0.20)	0.51
	17 - 19	8/11/2004	ND(0.042)	ND(0.042)	ND(0.042)	0.23	ND(0.042)	ND(0.042)	ND(0.042)	0.23
	19 - 21	8/11/2004	ND(0.051)	ND(0.051)	ND(0.051)	0.10	ND(0.051)	ND(0.051)	ND(0.051)	0.10
	21 - 23	*8/11/2004*	*ND(0.040)*	*ND(0.040)*	*ND(0.040)*	*0.28*	*ND(0.040)*	*ND(0.040)*	*ND(0.040)*	*0.28*
ESSB-O14N	1 - 3	8/12/2004	ND(1900)	ND(1900)	ND(1900)	24000	ND(1900)	ND(1900)	ND(1900)	24000
	3 - 5	8/12/2004	ND(420)	ND(420)	ND(420)	14000	ND(420)	ND(420)	ND(420)	14000
	5 - 7	8/12/2004	ND(3.7)	ND(3.7)	ND(3.7)	25	ND(3.7)	ND(3.7)	ND(3.7)	25
	7 - 9	8/12/2004	ND(24)	ND(24)	ND(24)	220	ND(24)	ND(24)	ND(24)	220
	9 - 11	8/12/2004	ND(0.22)	ND(0.22)	ND(0.22)	2.7	ND(0.22)	ND(0.22)	ND(0.22)	2.7
	11 - 11.4	8/12/2004	ND(0.27)	ND(0.27)	ND(0.27)	1.1	ND(0.27)	ND(0.27)	ND(0.27)	1.1
	15 - 15.5	8/12/2004	ND(0.44)	ND(0.44)	ND(0.44)	5.3	ND(0.44)	ND(0.44)	ND(0.44)	5.3
ESSB-O14W	1 - 3	8/11/2004	ND(48)	ND(48)	ND(48)	ND(48)	640	ND(48)	ND(48)	640
	3 - 5	8/11/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.14	0.064	ND(0.035)	0.20
	5 - 7	8/11/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.037	0.015 J	ND(0.035)	0.052 J
	7 - 9	8/11/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.024 J	ND(0.034)	ND(0.034)	0.024 J
	9 - 11	8/11/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.0096 J	0.012 J	ND(0.034)	0.022 J
	11 - 13	8/11/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.11	0.067	ND(0.036)	0.17
	13 - 15	8/11/2004	ND(1.4)	ND(1.4)	ND(1.4)	ND(1.4)	0.65 J	ND(1.4)	ND(1.4)	0.65 J
	15 - 17	8/11/2004	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)
	17 - 19	8/11/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.25	ND(0.046)	ND(0.046)	0.25
	19 - 21	8/11/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.040 J	ND(0.051)	ND(0.051)	0.040 J
	21 - 23	8/11/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.017 J	ND(0.039)	ND(0.039)	0.017 J
ESSB-O16	1 - 3	2/4/2004	ND(200)	ND(200)	ND(200)	4600	ND(200)	ND(200)	ND(200)	4600
	3 - 5	2/4/2004	ND(100)	ND(100)	ND(100)	540	ND(100)	ND(100)	ND(100)	540
	5 - 7	2/4/2004	ND(0.23)	ND(0.23)	ND(0.23)	1.3	ND(0.23)	ND(0.23)	ND(0.23)	1.3
	7 - 9	2/4/2004	ND(23)	ND(23)	ND(23)	190	ND(23)	ND(23)	ND(23)	190
	9 - 11	2/4/2004	ND(0.21)	ND(0.21)	ND(0.21)	0.87	ND(0.21)	ND(0.21)	ND(0.21)	0.87
	11 - 13	2/4/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.045	ND(0.036)	ND(0.036)	ND(0.036)	0.045
	13 - 15	2/4/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.020 J	ND(0.034)	ND(0.034)	ND(0.034)	0.020 J
	15 - 17	2/4/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.036 J	ND(0.037)	ND(0.037)	0.036 J
	17 - 19	2/4/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.049	ND(0.040)	ND(0.040)	0.049
	19 - 21	2/4/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.21	0.19 JN	ND(0.044)	0.40 JN
	21 - 23	2/4/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
ESSB-O17	1 - 3	8/17/2004	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	8.6	9.9 EB	ND(1.1)	18 EB
	3 - 5	8/17/2004	ND(2.4)	ND(2.4)	ND(2.4)	ND(2.4)	16	21 EB	ND(2.4)	37 EB
	5 - 7	8/17/2004	ND(10)	ND(10)	ND(10)	ND(10)	150	ND(10)	ND(10)	150
	7 - 9	8/17/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.6	0.79 JEB	ND(0.20)	2.4 JEB
	9 - 11	8/17/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.9	0.75 EB	ND(0.19)	2.7 EB
ESSB-O18	1 - 2	1/28/2004	ND(53)	ND(53)	ND(53)	ND(53)	810	1000	ND(53)	1800
	2 - 4	1/28/2004	ND(54)	ND(54)	ND(54)	ND(54)	1300	1300	ND(54)	2700
	4 - 6	1/28/2004	ND(40)	ND(40)	ND(40)	ND(40)	1000	1100	ND(40)	2100
	6 - 8	1/28/2004	ND(40)	ND(40)	ND(40)	ND(40)	220	230	ND(40)	450
	8 - 10	1/28/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	1.3	1.2	ND(0.23)	2.5
	10 - 12	1/28/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.54	0.40	ND(0.035)	0.93
	12 - 14	1/28/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.018 J	ND(0.039)	0.018 J
	14 - 16	1/28/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.043	0.043	ND(0.035)	0.086
	16 - 18	1/28/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	18 - 20	1/28/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.030 J	ND(0.033)	0.030 J
	20 - 22	1/28/2004	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]

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

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
ESSB-O18E	1 - 3	8/17/2004	ND(0.24) [ND(0.19)]	ND(0.24) [ND(0.19)]	ND(0.24) [ND(0.19)]	ND(0.24) [ND(0.19)]	0.76 JN [0.70 JN]	0.82 [0.76]	ND(0.24) [ND(0.19)]	1.6 JN [1.5 JN]
	3 - 5	8/17/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.021 J	ND(0.033)	ND(0.033)	0.021 J
	5 - 7	8/17/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	7 - 8	8/17/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.071	0.042 J	ND(0.035)	0.11 J
	8 - 10	8/17/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.094	0.030 J	ND(0.033)	0.12
ESSB-P17	1 - 2	4/29/2004	ND(0.99)	ND(0.99)	ND(0.99)	ND(0.99)	9.1	ND(0.99)	ND(0.99)	9.1
ESSB-P18E	1 - 3	8/17/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.048 J	0.032 J	ND(0.033)	0.080 J
	3 - 5	8/17/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	5 - 7	8/17/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	7 - 8	8/17/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	8 - 10	8/17/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
ESSB-Q10	1 - 3	1/27/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	1.0	0.52	ND(0.25)	1.5
	3 - 5	1/27/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.16	0.064	ND(0.034)	0.22
	5 - 7	1/27/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.14	0.056	ND(0.033)	0.19
	7 - 9	1/27/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	9 - 11	1/27/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	11 - 13	1/27/2004	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)
	13 - 15	1/27/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	15 - 17	1/27/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.40	0.33	ND(0.046)	0.72
	17 - 19	1/27/2004	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	1.4 J	1.1	ND(0.34)	2.5 J
	19 - 21	1/27/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	0.56	0.42	ND(0.19)	0.98
ESSB-Q11	1 - 3	8/6/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.25 JN	ND(0.18)	ND(0.18)	0.25 JN
	3 - 4	8/6/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.011 J	ND(0.036)	ND(0.036)	0.011 J
	4 - 6	8/6/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.025 J	0.022 J	ND(0.033)	0.047 J
ESSB-Q12	1 - 2	1/29/2004	ND(12)	ND(12)	ND(12)	ND(12)	150	92	ND(12)	240
	2 - 4	1/29/2004	ND(11)	ND(11)	ND(11)	ND(11)	130	ND(11)	ND(11)	130
	4 - 6	1/29/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.043	0.033 J	ND(0.037)	0.076 J
	6 - 8	1/29/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	1.8	0.88	ND(0.23)	2.6
	8 - 10	1/29/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.13	0.055	ND(0.044)	0.19
	10 - 12	1/29/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.094	ND(0.034)	ND(0.034)	0.094
	12 - 14	1/29/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.012 J	ND(0.043)	ND(0.043)	0.012 J
	14 - 16	1/29/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.17	0.18	ND(0.041)	0.34
	16 - 18	1/29/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.029 J	0.043	ND(0.043)	0.072 J
	18 - 20	1/29/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.14	0.065	ND(0.038)	0.20
	20 - 22	1/29/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.020 J	ND(0.044)	ND(0.044)	0.020 J
ESSB-Q12E	1 - 3	8/6/2004	ND(25)	ND(25)	ND(25)	ND(25)	120	80	ND(25)	200
	3 - 4	8/6/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.17	0.11	ND(0.035)	0.27
	4 - 6	8/6/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.036	0.022 J	ND(0.036)	0.058 J
ESSB-Q12N	1 - 3	8/6/2004	ND(17)	ND(17)	ND(17)	ND(17)	200	95	ND(17)	300
	3 - 4	8/6/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.5	0.87	ND(0.20)	2.4
	4 - 6	8/6/2004	ND(0.19) [ND(0.19)]	ND(0.19) [ND(0.19)]	ND(0.19) [ND(0.19)]	ND(0.19) [ND(0.19)]	3.3 [3.3]	1.9 [2.0]	ND(0.19) [ND(0.19)]	5.2 [5.3]
ESSB-Q14	1 - 3	1/22/2004	ND(270)	ND(270)	ND(270)	ND(270)	5800	3300	ND(270)	9100
	3 - 5	1/22/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.12	0.042	ND(0.036)	0.16
	5 - 7	1/22/2004	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	0.064 [0.053]	0.037 [0.026 J]	ND(0.036) [ND(0.036)]	0.10 [0.079 J]
	11 - 13	1/22/2004	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	26	18	ND(2.5)	44
	13 - 15	1/22/2004	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	3.0	2.2	ND(0.27)	5.2
ESSB-Q14E	1 - 3	8/9/2004	ND(490)	ND(490)	ND(490)	15000	ND(490)	ND(490)	ND(490)	15000
	3 - 5	8/9/2004	ND(380)	ND(380)	ND(380)	7700	ND(380)	ND(380)	ND(380)	7700
ESSB-Q14W	1 - 3	8/9/2004	ND(4.3)	ND(4.3)	ND(4.3)	ND(4.3)	22	13	ND(4.3)	35
	3 - 5	8/9/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	4.2	ND(0.19)	4.2
ESSB-Q16	1 - 3	1/22/2004	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	24	ND(2.2)	24
	3 - 5	1/22/2004	ND(1.2) [ND(1.2)]	ND(1.2) [ND(1.2)]	ND(1.2) [ND(1.2)]	ND(1.2) [ND(1.2)]	9.3 [12]	13 [19]	ND(1.2) [ND(1.2)]	22 [31]
	5 - 7	1/22/2004	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	18	38	ND(5.0)	56
ESSB-Q16E	2 - 4	8/10/2004	ND(19)	ND(19)	ND(19)	ND(19)	33	42	ND(19)	75
	4 - 6	8/10/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	0.52	0.52	ND(0.23)	1.0
	6 - 8	8/10/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.51	0.69	ND(0.18)	1.2

TABLE 8
SUMMARY OF PDI PCB SAMPLE DATA - ELM STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
ESSB-Q16N	2 - 4	8/10/2004	ND(49) [ND(13)]	ND(49) [ND(13)]	ND(49) [ND(13)]	ND(49) [ND(13)]	50 [57]	69 [81]	ND(49) [ND(13)]	120 [140]
	4 - 6	8/10/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.22	0.38	ND(0.037)	0.60
	6 - 8	8/10/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.5	2.9	ND(0.20)	4.4
ESSB-Q16W	2 - 4	8/10/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	15	ND(1.0)	15
	4 - 6	8/10/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.097	ND(0.035)	0.097
	6 - 8	8/10/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	0.91	ND(0.21)	0.91
ESSB-Q18	1 - 3	1/28/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.036)	0.038	ND(0.033)	0.038
	3 - 5	1/28/2004	ND(0.034) [ND(0.036)]	ND(0.034) [ND(0.036)]	ND(0.034) [ND(0.036)]	ND(0.034) [ND(0.036)]	ND(0.034) [ND(0.036)]	0.0097 J [ND(0.036)]	ND(0.034) [ND(0.036)]	0.0097 J [ND(0.036)]
	5 - 7	1/28/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	7 - 9	1/28/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.016 J	ND(0.036)	0.014 J	ND(0.036)	0.030 J
	9 - 11	1/28/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.014 J	ND(0.035)	ND(0.035)	ND(0.035)	0.014 J
	11 - 13	1/28/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.024 J	ND(0.036)	0.019 J	ND(0.036)	0.042 J
	13 - 15	1/28/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	15 - 17	1/28/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.024 J	ND(0.042)	0.024 J
ESSB-R12	1 - 3	8/6/2004	ND(400)	ND(400)	ND(400)	ND(400)	4200	ND(400)	ND(400)	4200
	3 - 4	8/6/2004	ND(51)	ND(51)	ND(51)	ND(51)	190	150	ND(51)	340
	4 - 6	8/6/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	0.62	0.30	ND(0.21)	0.92
ESSB-R14	1 - 3	8/9/2004	ND(120)	ND(120)	ND(120)	ND(120)	880	520	ND(120)	1400
	3 - 5	8/9/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	1.5	1.0	ND(0.23)	2.6
ESSB-R16	2 - 4	8/10/2004	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	1.2	ND(0.27)	1.2
	4 - 6	8/10/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	6 - 8	8/10/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.17	0.041	ND(0.034)	0.21
ESSB-R18	1 - 3	1/27/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.060	0.056	ND(0.034)	0.12
ESSB-R22	1 - 3	1/27/2004	ND(0.47)	ND(0.47)	ND(0.47)	ND(0.47)	4.1	2.8	ND(0.47)	6.9
ESSB-S11	1 - 2	4/27/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.080	ND(0.034)	ND(0.034)	0.080
ESSB-S11E	1 - 2	4/21/2004	ND(43)	ND(43)	ND(43)	ND(43)	1000	ND(43)	ND(43)	1000
	2 - 3	4/21/2004	ND(19)	ND(19)	ND(19)	ND(19)	87	ND(19)	ND(19)	87
ESSB-S11N	1 - 2	4/21/2004	ND(12)	ND(12)	ND(12)	ND(12)	170	ND(12)	ND(12)	170
	2 - 3	4/21/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	0.60 J	ND(0.19)	ND(0.19)	0.60 J
ESSB-S11S	1 - 2	4/21/2004	ND(49)	ND(49)	ND(49)	ND(49)	1000	ND(49)	ND(49)	1000
	2 - 3	4/21/2004	ND(23)	ND(23)	ND(23)	ND(23)	330	ND(23)	ND(23)	330
ESSB-S11SS	1 - 2	4/21/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	0.65	ND(0.19)	ND(0.19)	0.65
	2 - 3	4/21/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.094	ND(0.033)	0.029 J	0.12 J
ESSB-S11W	1 - 2	4/21/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	3.3	ND(0.19)	ND(0.19)	3.3
ESSB-S12	1 - 3	1/26/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	1.3	ND(0.24)	ND(0.24)	1.3
	3 - 5	1/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.23	ND(0.036)	ND(0.036)	0.23
	5 - 7	1/26/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.091	ND(0.037)	ND(0.037)	0.091
	7 - 9	1/26/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.051	ND(0.035)	ND(0.035)	0.051
	9 - 11	1/26/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.050	ND(0.035)	ND(0.035)	0.050
	11 - 13	1/26/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.11	ND(0.037)	ND(0.037)	0.11
	13 - 15	1/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.089	ND(0.036)	ND(0.036)	0.089
	15 - 17	1/26/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.084	ND(0.040)	ND(0.040)	0.084
	17 - 19	1/26/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.050	ND(0.040)	ND(0.040)	0.050
ESSB-S14	1 - 3	1/21/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.018 J	0.013 J	ND(0.037)	0.032 J
	3 - 5	1/21/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.0090 J	ND(0.034)	ND(0.034)	0.0090 J
	5 - 7	1/21/2004	ND(4.8)	ND(4.8)	ND(4.8)	ND(4.8)	ND(4.8)	43	ND(4.8)	43
	7 - 9	1/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.019 J	0.026 J	ND(0.035)	0.046 J
	9 - 11	1/21/2004	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	5.0	5.0	ND(0.26)	10
	11 - 13	1/21/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	13 - 15	1/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.080	0.063	ND(0.035)	0.14
	15 - 17	1/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.011 J	0.011 J	ND(0.035)	0.022 J
	17 - 19	1/21/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.029 J	0.022 J	ND(0.041)	0.051 J
	19 - 20	1/21/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.031 J	0.024 J	ND(0.041)	0.056 J

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GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
ESSB-S16	1 - 3	1/21/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.030 J	ND(0.038)	ND(0.038)	0.030 J
	3 - 5	1/21/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.082	0.066	ND(0.041)	0.15
	5 - 7	1/21/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.031 J	0.012 J	ND(0.039)	0.044 J
	7 - 9	1/21/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.15	0.062	ND(0.037)	0.21
	9 - 11	1/21/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.26	0.12	ND(0.034)	0.37
	11 - 13	1/21/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	2.9	ND(0.20)	ND(0.20)	2.9
	13 - 15	1/21/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	2.7	ND(0.25)	ND(0.25)	2.7
	15 - 17	1/21/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.22	0.070	ND(0.041)	0.29
ESSB-S18	1 - 3	1/21/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	3 - 5	1/21/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	5 - 7	1/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	7 - 9	1/21/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	9 - 11	1/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.0094 J	ND(0.035)	ND(0.035)	0.0094 J
	11 - 12	1/21/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.072	ND(0.037)	ND(0.037)	0.072
ESSB-S20	1 - 3	########	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.088	ND(0.038)	ND(0.038)	0.088
	3 - 5	########	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.076	ND(0.036)	ND(0.036)	0.076
	5 - 7	########	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.050)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.050)
	7 - 9	########	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	0.042 [0.031 J]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	0.042 [0.031 J]
	9 - 11	########	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.068	ND(0.035)	ND(0.035)	0.068
	11 - 13	########	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.11	ND(0.038)	ND(0.038)	0.11
	13 - 15	########	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.057	ND(0.039)	ND(0.039)	0.057
ESSB-S22	1 - 3	1/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.0093 J	ND(0.035)	ND(0.035)	0.0093 J
	3 - 5	1/21/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.0095 J	ND(0.034)	ND(0.034)	0.0095 J
	5 - 7	1/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	7 - 9	1/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.097	ND(0.035)	ND(0.035)	0.097
	9 - 11	1/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	11 - 13	1/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.045	ND(0.035)	ND(0.035)	0.045
	13 - 15	1/21/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.13	ND(0.038)	ND(0.038)	0.13
	15 - 17	1/21/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.038 J	ND(0.041)	ND(0.041)	0.038 J
ESSB-T16	1 - 3	########	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.028 J	0.026 J	ND(0.036)	0.053 J
	3 - 5	########	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	0.91	0.44	ND(0.19)	1.4
	5 - 7	########	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.028 J	ND(0.036)	ND(0.036)	0.028 J
	7 - 9	########	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.035 J	0.021 J	ND(0.036)	0.056 J
	9 - 11	########	ND(0.078)	ND(0.078)	ND(0.078)	ND(0.078)	0.68	ND(0.078)	ND(0.078)	0.68
	11 - 13	########	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	6.4	ND(3.7)	ND(3.7)	6.4
	13 - 15	########	ND(0.073)	ND(0.073)	ND(0.073)	ND(0.073)	0.44	ND(0.073)	ND(0.073)	0.44
	15 - 17	########	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.20	ND(0.036)	ND(0.036)	0.20
	17 - 19	########	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.034 J	ND(0.041)	ND(0.041)	0.034 J
SB-15	1 - 2	4/28/2004	ND(120)	ND(120)	ND(120)	ND(120)	720	570	ND(120)	1300
	1 - 3	8/3/2004	ND(190)	ND(190)	ND(190)	ND(190)	250	150 J	ND(190)	400 J
	2 - 3	4/28/2004	ND(1100)	ND(1100)	ND(1100)	ND(1100)	1700 JN	1300	ND(1100)	3000 JN
	3 - 5	8/3/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.15	0.11	ND(0.033)	0.26
	5 - 7	8/3/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.017 J	ND(0.035)	ND(0.035)	0.017 J
SB-15E	1 - 3	8/3/2004	ND(19)	ND(19)	ND(19)	ND(19)	120	36	ND(19)	160
	3 - 5	8/3/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	4.2	3.4	ND(0.22)	7.7
	5 - 7	8/3/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	2.9	2.6	ND(0.23)	5.5
SB-15S	1 - 3	8/3/2004	ND(96)	ND(96)	ND(96)	ND(96)	290	220	ND(96)	510
	3 - 5	8/3/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	0.40	0.16 J	ND(0.21)	0.56 J
	5 - 7	8/3/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.032 J	0.017 J	ND(0.034)	0.049 J
SB-15W	1 - 3	8/3/2004	ND(22)	ND(22)	ND(22)	ND(22)	660	ND(22)	ND(22)	660
	3 - 5	8/3/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	2.1	1.7	ND(0.23)	3.8
	5 - 7	8/3/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	13	6.5	ND(1.2)	20
SB-17	1 - 3	8/4/2004	ND(46)	ND(46)	ND(46)	ND(46)	460	220	ND(46)	680
	3 - 5	8/4/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	1.8	1.0	ND(0.24)	2.9

TABLE 8
SUMMARY OF PDI PCB SAMPLE DATA - ELM STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth *(Feet)*	Date *Collected*	*Aroclor 1016*	*Aroclor 1221*	*Aroclor 1232*	*Aroclor 1242*	*Aroclor 1248*	*Aroclor 1254*	*Aroclor 1260*	*Total PCBs*
SB-17W	1 - 3	8/4/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	1.2	1.1	ND(0.24)	2.4
SB-19	1 - 2	4/28/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	2.8 JN	1.6	ND(0.24)	4.4 JN
SB-20	1 - 2	4/28/2004	ND(20)	ND(20)	ND(20)	ND(20)	200	ND(20)	ND(20)	200
	2 - 3	4/28/2004	ND(2.7)	ND(2.7)	ND(2.7)	ND(2.7)	25	ND(2.7)	ND(2.7)	25
SB-20S	3 - 4	8/26/2004	ND(12)	ND(12)	ND(12)	ND(12)	170	ND(12)	ND(12)	170
	4 - 5	8/26/2004	ND(10)	ND(10)	ND(10)	ND(10)	101	ND(10)	ND(10)	101
	5 - 6	8/26/2004	ND(5.5)	ND(5.5)	ND(5.5)	ND(5.5)	71	ND(5.5)	ND(5.5)	71
SB-21	1 - 2	4/28/2004	ND(21)	ND(21)	ND(21)	ND(21)	400	ND(21)	ND(21)	400
	2 - 3	*4/28/2004*	*ND(0.25)*	*ND(0.25)*	*ND(0.25)*	*ND(0.25)*	3.3	*ND(0.25)*	*ND(0.25)*	3.3
SB-26	1 - 3	8/9/2004	ND(51)	ND(51)	ND(51)	ND(51)	710	240	ND(51)	950
	3 - 5	8/9/2004	ND(49)	ND(49)	ND(49)	ND(49)	260	210	ND(49)	470
SB-38	1 - 2	4/28/2004	ND(1.1) [ND(0.034)]	ND(1.1) [ND(0.034)]	ND(1.1) [ND(0.034)]	ND(1.1) [ND(0.034)]	7.9 J [0.021 J]	ND(1.1) J [0.022 J]	ND(1.1) [ND(0.034)]	7.9 J [0.043 J]

TABLE 8
SUMMARY OF PDI PCB SAMPLE DATA - ELM STREET AREA SUBSURFACE SOILS

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GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to Severn Trent Laboratories, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Field duplicate sample results are presented in brackets.
4. In the areas where temporary cover materials have been placed (e.g., geotextile and soil cover), the 0- to 1-foot surface soil sampling interval will begin at the depth of the geotextile installed by EPA, which is considered to represent the boundary between clean barrier soils and native Site soils.

Data Qualifiers:

EB - The compound was identified in an aqueous equipment blank that was used to assess field contamination associated with soil/sediment samples, its presence in the sample may be suspect.
J - The compound was positively identified; however, the associated numerical value is an estimated concentration only.
JN - The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

TABLE 9
SUMMARY OF PDI PCB SAMPLE DATA - MILL STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
EB-13S	0 - 1	4/22/2004	ND(12)	ND(12)	ND(12)	ND(12)	82	ND(12)	ND(12)	82
EB-13SS	0 - 1	4/22/2004	ND(0.033)	ND(0.033)	ND(0.033)	0.059	ND(0.033)	ND(0.033)	ND(0.033)	0.059
MSSB-B07	0 - 1	2/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.056	0.016 J	ND(0.036)	0.073 J
MSSB-B09	0 - 1	2/19/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.11	ND(0.037)	0.16	0.26
MSSB-B11	0 - 1	2/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.044	0.022 J	ND(0.036)	0.067 J
MSSB-B13	0 - 1	2/12/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	1.2	0.45	ND(0.23)	1.6
MSSB-B15	0 - 1	2/12/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.31	0.16	ND(0.035)	0.47
MSSB-B17	0 - 1	2/12/2004	ND(0.24)	ND(0.24)	ND(0.24)	2.4	ND(0.24)	ND(0.24)	ND(0.24)	2.4
MSSB-B17N	0 - 1	4/19/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	0.97	ND(0.25)	ND(0.25)	0.97
MSSB-B18	0 - 1	7/7/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.050)	ND(0.033)	ND(0.033)	ND(0.050)
MSSB-B19	0 - 1	7/7/2004	ND(0.034) [ND(0.035)]	ND(0.034) [ND(0.035)]	ND(0.034) [ND(0.035)]	ND(0.034) [ND(0.035)]	ND(0.046) [0.044]	ND(0.034) [ND(0.035)]	ND(0.034) [ND(0.035)]	ND(0.046) [0.044]
MSSB-B20	0 - 1	7/7/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.051)	ND(0.034)	ND(0.034)	ND(0.051)
MSSB-B21	0 - 1	7/7/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
MSSB-C01	0 - 1	1/13/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.15	ND(0.036)	ND(0.036)	0.15
MSSB-C03	0 - 1	1/20/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	0.73	ND(0.21)	ND(0.21)	0.73
MSSB-C05	0 - 1	1/6/2004	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	7.0	ND(3.7)	ND(3.7)	7.0
MSSB-C06	0 - 1	1/14/2004	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	0.035 J [0.056]	0.014 J [0.032 J]	ND(0.036) [ND(0.036)]	0.049 J [0.089 J]
MSSB-C07	0 - 1	1/6/2004	ND(280)	ND(280)	ND(280)	ND(280)	1500	ND(280)	ND(280)	1500
MSSB-C08	0 - 1	1/12/2004	ND(12)	ND(12)	ND(12)	ND(12)	54	ND(12)	ND(12)	54
MSSB-C09	0 - 1	1/13/2004	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	0.73	ND(0.26)	ND(0.26)	0.73
MSSB-C10	0 - 1	1/12/2004	ND(25)	ND(25)	ND(25)	ND(25)	140	ND(25)	ND(25)	140
MSSB-C11	0 - 1	1/8/2004	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	6.6	ND(1.9)	ND(1.9)	6.6
MSSB-C12	0 - 1	1/12/2004	ND(1100)	ND(1100)	ND(1100)	ND(1100)	3000	ND(1100)	ND(1100)	3000
MSSB-C13	0 - 1	1/8/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	1.4	ND(0.18)	ND(0.18)	1.4
MSSB-C14	0 - 1	1/12/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	0.82	0.46	ND(0.24)	1.3
MSSB-C15	0 - 1	1/6/2004	ND(0.34)	ND(0.34)	ND(0.34)	2.5	ND(0.34)	ND(0.34)	ND(0.34)	2.5
MSSB-C16	0 - 1	1/12/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	0.77	0.63	ND(0.24)	1.4
MSSB-C17	0 - 1	1/7/2004	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	0.73	ND(0.34)	ND(0.34)	0.73
MSSB-C18	0 - 1	1/12/2004	ND(0.30) [ND(0.21)]	ND(0.30) [ND(0.21)]	ND(0.30) [ND(0.21)]	ND(0.30) [ND(0.21)]	0.83 [1.0]	0.60 [0.79]	ND(0.30) [ND(0.21)]	1.4 [1.8]
MSSB-C19	0 - 1	1/7/2004	ND(0.073)	ND(0.073)	ND(0.073)	0.27	ND(0.073)	ND(0.073)	ND(0.073)	0.27
MSSB-C20	0 - 1	1/12/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	0.75	0.46	ND(0.23)	1.2
MSSB-D04	0 - 1	12/18/2003	ND(0.77)	ND(0.77)	ND(0.77)	ND(0.77)	1.9	ND(0.77)	ND(0.77)	1.9
MSSB-D04SW	0 - 1	4/28/2004	ND(0.88)	ND(0.88)	ND(0.88)	ND(0.88)	14	ND(0.88)	ND(0.88)	14
MSSB-D05	0 - 1	12/4/2003	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	3.0	3.6	ND(0.72)	6.5
MSSB-D06	0 - 1	12/4/2003	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	22	15	ND(3.7)	38
MSSB-D07	0 - 1	12/4/2003	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	49	31	ND(3.7)	80
MSSB-D08	0 - 1	12/4/2003	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	3.7	1.7 J	ND(2.0)	5.4 J
MSSB-D09	0 - 1	12/4/2003	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	1.9	1.2	ND(0.36)	3.1
MSSB-D10	0 - 1	12/4/2003	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	12	8.0	ND(3.7)	20
MSSB-D11	0 - 1	12/4/2003	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	1.2	0.70	ND(0.36)	1.9
MSSB-D13	0 - 1	12/4/2003	ND(0.71) [ND(0.71)]	ND(0.71) [ND(0.71)]	ND(0.71) [ND(0.71)]	ND(0.71) [ND(0.71)]	1.1 [1.2]	0.73 [0.84]	ND(0.71) [ND(0.71)]	1.8 [2.1]
MSSB-D15	0 - 1	12/4/2003	ND(360)	ND(360)	ND(360)	ND(360)	2800	1600	ND(360)	4400
MSSB-D17	0 - 1	12/17/2003	ND(0.69)	ND(0.69)	ND(0.69)	ND(0.69)	3.0	ND(0.69)	ND(0.69)	3.0
MSSB-E01	0 - 1	12/19/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.076)	ND(0.039)	ND(0.039)	ND(0.076)
MSSB-E03	0 - 1	12/23/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.17	ND(0.038)	ND(0.038)	0.17
MSSB-E05	0 - 1	12/4/2003	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	14	9.2	ND(3.5)	23
MSSB-E07	0 - 1	12/9/2003	ND(750)	ND(750)	ND(750)	ND(750)	13000	ND(750)	ND(750)	13000
MSSB-E09	0 - 1	12/9/2003	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	7.7	ND(1.9)	ND(1.9)	7.7
MSSB-E11	0 - 1	12/18/2003	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	28	ND(1.8)	ND(1.8)	28
MSSB-E12	0 - 1	12/18/2003	ND(91)	ND(91)	ND(91)	ND(91)	1400	ND(91)	ND(91)	1400
MSSB-E13	0 - 1	12/17/2003	ND(72)	ND(72)	ND(72)	ND(72)	920	ND(72)	ND(72)	920
MSSB-E13S	0 - 1	4/22/2004	ND(2.1)	ND(2.1)	ND(2.1)	19	ND(2.1)	ND(2.1)	ND(2.1)	19
MSSB-E13SS	0 - 1	4/22/2004	ND(0.75)	ND(0.75)	ND(0.75)	7.8	ND(0.75)	ND(0.75)	ND(0.75)	7.8

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

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
MSSB-E14	0 - 1	12/18/2003	ND(180)	ND(180)	ND(180)	ND(180)	1500	ND(180)	ND(180)	1500
MSSB-E14SE	0 - 1	4/22/2004	ND(0.033)	ND(0.033)	ND(0.033)	0.095	ND(0.033)	ND(0.033)	ND(0.033)	0.095
MSSB-E14SW	0 - 1	4/22/2004	ND(0.033)	ND(0.033)	ND(0.033)	0.021 J	ND(0.033)	ND(0.033)	ND(0.033)	0.021 J
MSSB-E15	0 - 1	12/17/2003	ND(680)	ND(680)	ND(680)	ND(680)	5200	ND(680)	ND(680)	5200
MSSB-E15S	0 - 1	4/22/2004	ND(0.36)	ND(0.36)	ND(0.36)	3.9	ND(0.36)	ND(0.36)	ND(0.36)	3.9
MSSB-F06	0 - 1	12/8/2003	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	7.8	ND(0.72)	ND(0.72)	7.8
MSSB-F07	0 - 1	12/12/2003	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	6.4	ND(0.75)	ND(0.75)	6.4
MSSB-F08	0 - 1	12/18/2003	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	18	ND(1.8)	ND(1.8)	18
MSSB-F09	0 - 1	12/18/2003	ND(1.7)	ND(1.7)	ND(1.7)	ND(1.7)	17	ND(1.7)	ND(1.7)	17
MSSB-F10	0 - 1	12/18/2003	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	61	ND(3.5)	ND(3.5)	61
MSSB-G01	0 - 1	12/11/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.045	ND(0.034)	ND(0.034)	0.045
MSSB-G03	0 - 1	12/16/2003	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	0.046 [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	0.046 [ND(0.034)]
MSSB-G05	0 - 1	12/16/2003	ND(0.71)	ND(0.71)	ND(0.71)	ND(0.71)	2.7	ND(0.71)	ND(0.71)	2.7
MSSS-B13E	0 - 1	4/19/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	1.3	ND(0.21)	ND(0.21)	1.3
MSSS-B13N	0 - 1	4/19/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.11	ND(0.033)	ND(0.033)	0.11
MSSS-B13W	0 - 1	4/19/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	0.94	ND(0.21)	ND(0.21)	0.94
MSSS-C02	0 - 1	1/12/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	0.58	0.34	ND(0.24)	0.92
MSSS-C04	0 - 1	1/14/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.024 J	ND(0.040)	0.024 J
MSSS-C05N	0 - 1	4/28/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.075	ND(0.037)	ND(0.037)	0.075
MSSS-C14N	0 - 1	4/19/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	0.86	ND(0.23)	ND(0.23)	0.86
MSSS-C17NE	0 - 1	4/19/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.5	ND(0.20)	ND(0.20)	1.5
MSSS-C18N	0 - 1	4/19/2004	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	8.6	ND(2.1)	ND(2.1)	8.6
MSSS-C20E	0 - 1	4/22/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.030 J	0.014 J	ND(0.033)	0.044 J
MSSS-C20N	0 - 1	4/19/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	13	ND(1.0)	ND(1.0)	13
MSSS-C20S	0 - 1	4/22/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
MSSS-D03	0 - 1	12/18/2003	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
MSSS-D04NE	0 - 1	4/28/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	2.1	ND(0.21)	ND(0.21)	2.1
MSSS-D14	0 - 1	12/4/2003	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	0.48	0.24	ND(0.14)	0.72
MSSS-D17SW	0 - 1	4/22/2004	ND(0.18)	ND(0.18)	ND(0.18)	0.63	ND(0.18)	ND(0.18)	ND(0.18)	0.63
MSSS-E02	0 - 1	12/23/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.061)	ND(0.039)	ND(0.039)	ND(0.061)
MSSS-E16	0 - 1	4/22/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.034	ND(0.034)	ND(0.034)	ND(0.034)	0.034
MSSS-F01	0 - 1	12/8/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.010 J	ND(0.036)	ND(0.036)	0.010 J
MSSS-F02	0 - 1	12/8/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.025 J	ND(0.035)	ND(0.035)	0.025 J
MSSS-F03	0 - 1	12/8/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.014 J	ND(0.037)	ND(0.037)	0.014 J
MSSS-F04	0 - 1	12/8/2003	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.068)	0.38	ND(0.068)	ND(0.068)	0.38
MSSS-F06SW	0 - 1	4/22/2004	ND(0.033)	ND(0.033)	ND(0.033)	0.41	ND(0.033)	ND(0.033)	ND(0.033)	0.41
MSSS-F07SW	0 - 1	4/22/2004	ND(0.18)	ND(0.18)	ND(0.18)	1.7	ND(0.18)	ND(0.18)	ND(0.18)	1.7
MSSS-F08SW	0 - 1	4/22/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
MSSS-F09SW	0 - 1	4/22/2004	ND(0.033)	ND(0.033)	ND(0.033)	0.016 J	ND(0.033)	ND(0.033)	ND(0.033)	0.016 J
MSSS-F10SW	0 - 1	4/22/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
MW-23C	0 - 1	1/20/2004	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.11	0.072	ND(0.054)	0.19
MW-24C	0 - 1	1/5/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.76	ND(0.18)	ND(0.18)	0.76
SF-04g-ISW	0 - 1	4/22/2004	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
SS-12E	0 - 1	4/22/2004	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	0.020 J [0.024 J]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	0.020 J [0.024 J]
SS-12S	0 - 1	4/22/2004	ND(0.033) J	ND(0.033) J	ND(0.033) J	0.046 J	ND(0.033) J	ND(0.033) J	ND(0.033) J	0.046 J
SS-13NE	0 - 1	4/28/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	2.8	ND(0.20)	ND(0.20)	2.8
SS-13SE	0 - 1	4/28/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	1.3	ND(0.21)	ND(0.21)	1.3
SS-13SW	0 - 1	4/28/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.036	ND(0.035)	ND(0.035)	0.036

TABLE 9
SUMMARY OF PDI PCB SAMPLE DATA - MILL STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to Severn Trent Laboratories, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Field duplicate sample results are presented in brackets.
4. In the areas where temporary cover materials have been placed (e.g., geotextile and soil cover), the 0- to 1-foot surface soil sampling interval will begin at the depth of the geotextile installed by EPA, which is considered to represent the boundary between clean barrier soils and native Site soils.

Data Qualifiers:

J - The compound was positively identified; however, the associated numerical value is an estimated concentration only.

TABLE 10
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	MSSB-B07	MSSB-B09	MSSB-B11	MSSB-B13	MSSB-B15	MSSB-B17	MSSB-C01	MSSB-C03	MSSB-C05	MSSB-C06	MSSB-C07	MSSB-C08
Sample Depth(Feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
Parameter Date Collected:	02/18/04	02/19/04	02/18/04	02/12/04	02/12/04	02/12/04	01/13/04	01/20/04	01/06/04	01/14/04	01/06/04	01/12/04
Semivolatile Organics												
Benzo(a)anthracene	ND(3.6)	2.9 J	4.7	21	ND(3.6)	ND(1.7)	ND(3.7)	3.1 J	ND(1.9)	2.4 [3.3]	ND(1.9)	ND(3.7)
Benzo(a)pyrene	ND(3.6)	2.0 J	2.9 J	19	ND(3.6)	ND(1.7)	ND(3.7)	2.3 J	ND(1.9)	2.1 [2.9]	ND(1.9)	ND(3.7)
Benzo(b)fluoranthene	ND(3.6)	2.9 J	3.4 J	18	ND(3.6)	ND(1.7)	ND(3.7)	4.5	ND(1.9)	3.1 [4.1]	ND(1.9)	ND(3.7)
Inorganics												
Arsenic	69.4	39.4 J	24.0	27.1 J	12.6	ND(8.10)	38.5	ND(9.60)	ND(8.90)	17.1 J [18.7 J]	ND(9.40)	12.4 J

TABLE 10
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	MSSB-C09 0 - 1 01/13/04	MSSB-C10 0 - 1 01/12/04	MSSB-C11 0 - 1 01/08/04	MSSB-C12 0 - 1 01/12/04	MSSB-C13 0 - 1 01/08/04	MSSB-C14 0 - 1 01/12/04	MSSB-C15 0 - 1 01/06/04	MSSB-C16 0 - 1 01/12/04	MSSB-C17 0 - 1 01/07/04	MSSB-C18 0 - 1 01/12/04	MSSB-C19 0 - 1 01/07/04	MSSB-C20 0 - 1 01/12/04
Semivolatile Organics												
Benzo(a)anthracene	ND(0.40)	ND(3.7)	ND(3.8)	ND(3.7)	ND(3.6)	15	1.3 J	5.9	0.41	6.2 [ND(3.5)]	ND(0.36)	ND(1.8)
Benzo(a)pyrene	ND(0.40)	ND(3.7)	ND(3.8)	ND(3.7)	1.3 J	10	1.3 J	6.4	0.30 J	5.7 [1.3 J]	ND(0.36)	ND(1.8)
Benzo(b)fluoranthene	ND(0.40)	ND(3.7)	ND(3.8)	ND(3.7)	ND(3.6)	14	1.7	9.2	0.47	7.0 [2.1 J]	ND(0.36)	ND(1.8)
Inorganics												
Arsenic	ND(9.90)	ND(9.00)	ND(9.40)	11.8 J	ND(9.10)	12.9 J	7.30	32.8 J	16.4	47.2 [34.6 J]	10.3	10.0

TABLE 10
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	MSSB-D04 0 - 1 12/18/03	MSSB-D05 0 - 1 12/04/03	MSSB-D06 0 - 1 12/04/03	MSSB-D07 0 - 1 12/04/03	MSSB-D08 0 - 1 12/04/03	MSSB-D09 0 - 1 12/04/03	MSSB-D10 0 - 1 12/04/03	MSSB-D11 0 - 1 12/04/03	MSSB-D13 0 - 1 12/04/03	MSSB-D15 0 - 1 12/04/03	MSSB-D17 0 - 1 12/17/03
Semivolatile Organics											
Benzo(a)anthracene	ND(3.8)	ND(0.35)	0.22 J	0.31 J	0.48	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.35) [ND(0.36)]	5.5	ND(3.5)
Benzo(a)pyrene	ND(3.8)	0.15 J	0.24 J	0.34 J	0.48	ND(0.36)	ND(0.38)	ND(0.36)	0.14 J [0.16 J]	5.8	ND(3.5)
Benzo(b)fluoranthene	ND(3.8)	0.18 J	0.29 J	0.38	0.75	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.35) [0.16 J]	7.1	ND(3.5)
Inorganics											
Arsenic	ND(9.70)	ND(9.10)	ND(9.40)	ND(9.10)	9.80	ND(9.00)	ND(9.50)	ND(8.90)	10.0 [ND(9.10)]	15.6	ND(8.70)

TABLE 10
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	MSSB-E01 0 - 1 12/19/03	MSSB-E03 0 - 1 12/23/03	MSSB-E05 0 - 1 12/04/03	MSSB-E07 0 - 1 12/09/03	MSSB-E09 0 - 1 12/09/03	MSSB-E11 0 - 1 12/18/03	MSSB-E12 0 - 1 12/18/03	MSSB-E13 0 - 1 12/17/03	MSSB-E14 0 - 1 12/18/03	MSSB-E15 0 - 1 12/17/03	MSSB-F06 0 - 1 12/08/03	MSSB-F07 0 - 1 12/12/03
Semivolatile Organics												
Benzo(a)anthracene	ND(3.9)	ND(3.9)	ND(0.35)	ND(3.8)	ND(0.38)	ND(1.8)	ND(1.8)	ND(1.8)	ND(3.6)	ND(6.8)	1.0	ND(1.9)
Benzo(a)pyrene	ND(3.9)	ND(3.9)	ND(0.35)	ND(3.8)	ND(0.38)	ND(1.8)	ND(1.8)	ND(1.8)	ND(3.6)	21	1.2	0.80 J
Benzo(b)fluoranthene	ND(3.9)	ND(3.9)	ND(0.35)	ND(3.8)	ND(0.38)	ND(1.8)	ND(1.8)	ND(1.8)	ND(3.6)	25	1.4	1.0 J
Inorganics												
Arsenic	ND(9.30)	ND(9.70)	ND(9.00)	ND(9.60)	ND(9.20)	ND(7.60)	9.10	8.90	17.5	9.50	12.1	10.4

TABLE 10
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	MSSB-F08	MSSB-F09	MSSB-F10	MSSB-G01	MSSB-G03	MSSB-G05	MSSS-C02	MSSS-C04	MSSS-D03	MSSS-D14	MSSS-E02	MSSS-F01
Sample Depth(Feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
Parameter / Date Collected:	12/18/03	12/18/03	12/18/03	12/11/03	12/16/03	12/16/03	01/12/04	01/14/04	12/18/03	12/04/03	12/23/03	12/08/03
Semivolatile Organics												
Benzo(a)anthracene	ND(3.6)	6.8	ND(1.8)	ND(1.8)	ND(71) [21 J]	34 J	8.6	1.0 J	18	0.46	ND(3.9)	0.48
Benzo(a)pyrene	ND(3.6)	6.2	ND(1.8)	ND(1.8)	ND(71) [23 J]	34 J	6.0	0.88 J	10	0.42	ND(3.9)	0.47
Benzo(b)fluoranthene	ND(3.6)	5.0	ND(1.8)	ND(1.8)	ND(71) [24 J]	32 J	10	1.0 J	18	0.44	ND(3.9)	0.76
Inorganics												
Arsenic	*ND(9.00)*	*ND(8.40)*	*12.8*	*36.9*	*13.0 [11.9 J]*	*ND(8.60)*	*28.4 J*	*12.9 J*	*12.5*	*ND(9.00)*	*ND(9.60)*	*21.9*

TABLE 10
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	MSSS-F02	MSSS-F03	MSSS-F04	MW-23C	MW-24C
Sample Depth(Feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
Parameter / Date Collected:	12/08/03	12/08/03	12/08/03	01/20/04	01/05/04
Semivolatile Organics					
Benzo(a)anthracene	0.33 J	0.76	ND(0.34)	17	13
Benzo(a)pyrene	0.38	0.84	ND(0.34)	14	5.9
Benzo(b)fluoranthene	0.52	1.1	ND(0.34)	17	7.6
Inorganics					
Arsenic	22.2	ND(8.90)	ND(8.80)	56.8	18.9

TABLE 10
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to Severn Trent Laboratories, Inc. for analysis of SVOCs and Inorganics.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Field duplicate sample results are presented in brackets.
4. In the areas where temporary cover materials have been placed (e.g., geotextile and soil cover), the 0- to 1-foot surface soil sampling interval will begin at the depth *of the geotextile installed by EPA, which is considered to represent the boundary between clean barrier soils and native Site soils.*

Data Qualifiers:

J - The compound was positively identified; however, the associated numerical value is an estimated concentration only.

TABLE 11
SUMMARY OF PDI PCB SAMPLE DATA - MILL STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
EB-07A	1 - 3	6/30/2004	ND(1300)	ND(1300)	ND(1300)	11000	ND(1300)	ND(1300)	ND(1300)	11000
	3 - 4	6/30/2004	ND(1200)	ND(1200)	ND(1200)	32000	ND(1200)	ND(1200)	ND(1200)	32000
EB-12	3 - 5	6/30/2004	ND(950)	ND(950)	ND(950)	40000	ND(950)	ND(950)	ND(950)	40000
	5 - 7	6/30/2004	ND(980)	ND(980)	ND(980)	10000	ND(980)	ND(980)	ND(980)	10000
	7 - 9	6/30/2004	ND(110)	ND(110)	ND(110)	5500	ND(110)	ND(110)	ND(110)	5500
	9 - 11	6/30/2004	ND(49)	ND(49)	ND(49)	330	ND(49)	ND(49)	ND(49)	330
	11 - 13	6/30/2004	ND(11)	ND(11)	ND(11)	180	ND(11)	ND(11)	ND(11)	180
	13 - 15	6/30/2004	ND(1.1)	ND(1.1)	ND(1.1)	8.7	ND(1.1)	ND(1.1)	ND(1.1)	8.7
	15 - 17	6/30/2004	ND(0.19)	ND(0.19)	ND(0.19)	1.1	ND(0.19)	ND(0.19)	ND(0.19)	1.1
	17 - 19	6/30/2004	ND(200)	ND(200)	ND(200)	2000	ND(200)	ND(200)	ND(200)	2000
	19 - 21	6/30/2004	ND(3.7)	ND(3.7)	ND(3.7)	33	ND(3.7)	ND(3.7)	ND(3.7)	33
	21 - 23	6/30/2004	ND(0.22)	ND(0.22)	ND(0.22)	0.90	ND(0.22)	ND(0.22)	ND(0.22)	0.90
EB-13	1 - 3	6/30/2004	ND(0.89)	ND(0.89)	ND(0.89)	5.2	ND(0.89)	ND(0.89)	ND(0.89)	5.2
	3 - 5	6/30/2004	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	21	ND(1.2)	ND(1.2)	21
	9 - 11	6/30/2004	ND(0.23) [ND(0.27)]	ND(0.23) [ND(0.27)]	ND(0.23) [ND(0.27)]	1.2 [0.93]	ND(0.23) [ND(0.27)]	ND(0.23) [ND(0.27)]	ND(0.23) [ND(0.27)]	1.2 [0.93]
	11 - 13	6/30/2004	ND(0.32)	ND(0.32)	ND(0.32)	0.85	ND(0.32)	ND(0.32)	ND(0.32)	0.85
	13 - 15	6/30/2004	ND(0.28)	ND(0.28)	ND(0.28)	0.85	ND(0.28)	ND(0.28)	ND(0.28)	0.85
	16.5 - 18.5	6/30/2004	ND(0.30)	ND(0.30)	ND(0.30)	0.85	ND(0.30)	ND(0.30)	ND(0.30)	0.85
EB-13S	1 - 3	4/22/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.029 J	ND(0.034)	ND(0.034)	0.029 J
	3 - 5	4/22/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	5 - 7	4/22/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	7 - 9	4/22/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	9 - 11	4/22/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	11 - 13	4/22/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.0092 J	ND(0.037)	ND(0.037)	ND(0.037)
	13 - 15	4/22/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	15 - 16.5	4/22/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	16.5 - 18.5	4/22/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
EB-13W	1 - 3	7/27/2004	ND(0.46)	ND(0.46)	ND(0.46)	ND(0.46)	11	ND(0.46)	ND(0.46)	11
	3 - 5	7/27/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.16	0.064	ND(0.034)	0.23
	5 - 7	7/27/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.030 J	0.015 J	ND(0.033)	0.045 J
	7 - 9	7/27/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.026 J	0.011 J	ND(0.034)	0.037 J
	9 - 11	7/27/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.040	0.021 J	ND(0.040)	0.061 J
	11 - 13	7/27/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.028 J	0.013 J	ND(0.040)	0.040 J
	13 - 15	7/27/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.071	0.036 J	ND(0.040)	0.11 J
	15 - 17	7/27/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.13	0.075	ND(0.041)	0.21
	17 - 18.5	7/27/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.28	0.15	ND(0.041)	0.44
EB-14	6 - 8	6/30/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	0.50	ND(0.24)	ND(0.24)	0.50
EB-14SW	1 - 3	7/21/2004	ND(23)	ND(23)	ND(23)	ND(23)	89	ND(23)	ND(23)	89
	3 - 5	7/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.014 J	ND(0.035)	ND(0.035)	0.014 J
	5 - 6	7/21/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.0096 J	ND(0.034)	ND(0.034)	0.0096 J
	6 - 8	7/21/2004	0.13	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.13
EB-21C	4 - 6	7/1/2004	ND(0.50)	ND(0.50)	ND(0.50)	5.3	ND(0.50)	ND(0.50)	ND(0.50)	5.3
	6 - 8	7/1/2004	ND(0.98)	ND(0.98)	ND(0.98)	8.4	ND(0.98)	ND(0.98)	ND(0.98)	8.4
	10 - 12	*7/1/2004*	*ND(0.54)*	*ND(0.54)*	*ND(0.54)*	*2.9*	*ND(0.54)*	*ND(0.54)*	*ND(0.54)*	*2.9*
	14 - 16	7/1/2004	ND(0.19)	ND(0.19)	ND(0.19)	1.0	ND(0.19)	ND(0.19)	ND(0.19)	1.0
	16 - 18	7/1/2004	ND(0.21)	ND(0.21)	ND(0.21)	0.98	ND(0.21)	ND(0.21)	ND(0.21)	0.98
	18 - 20	7/1/2004	ND(0.28)	ND(0.28)	ND(0.28)	2.2	ND(0.28)	ND(0.28)	ND(0.28)	2.2
	20 - 22	7/1/2004	ND(0.24)	ND(0.24)	ND(0.24)	0.61	ND(0.24)	ND(0.24)	ND(0.24)	0.61
MSSB-B01	9 - 11	2/18/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	11 - 13	2/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.14	ND(0.037)	0.025 J	ND(0.037)	0.16 J
	13 - 15	*2/18/2004*	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*0.046*	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*0.046*
	21 - 23	2/18/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.045	ND(0.038)	ND(0.038)	ND(0.038)	0.045
	23 - 25	2/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.013 J	ND(0.037)	ND(0.037)	ND(0.037)	0.013 J
	25 - 27	2/18/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.012 J	ND(0.034)	ND(0.034)	ND(0.034)	0.012 J
MSSB-B06	15 - 17	8/5/2004	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.056) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.056) [ND(0.038)]
	17 - 19	8/5/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	19 - 21	8/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.16	ND(0.038)	ND(0.038)	0.16
	21 - 23	*8/5/2004*	*ND(0.039)*	*ND(0.039)*	*ND(0.039)*	*ND(0.039)*	*ND(0.039)*	*ND(0.039)*	*ND(0.039)*	*ND(0.039)*
	23 - 23.5	8/5/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)

TABLE 11
SUMMARY OF PDI PCB SAMPLE DATA - MILL STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
MSSB-B07	1 - 3	2/18/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.076	0.025 J	ND(0.035)	0.10 J
	3 - 5	2/18/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.11	0.065	ND(0.034)	0.18
	5 - 7	2/18/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.046 JN	ND(0.034)	ND(0.034)	ND(0.034)	0.046 JN
	7 - 9	2/18/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	9 - 11	2/18/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	11 - 13	2/18/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	13 - 15	2/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	15 - 17	2/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	17 - 19	2/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.041	ND(0.037)	ND(0.037)	ND(0.037)	0.041
	19 - 21	2/18/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.014 J	ND(0.035)	ND(0.035)	ND(0.035)	0.014 J
	21 - 23	2/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.031 J	ND(0.036)	ND(0.036)	ND(0.036)	0.031 J
	23 - 25	2/18/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.076	ND(0.039)	ND(0.039)	ND(0.039)	0.076
	25 - 27	*2/18/2004*	*ND(0.043)*	*ND(0.043)*	*ND(0.043)*	*0.016 J*	*ND(0.043)*	*ND(0.043)*	*ND(0.043)*	*0.016 J*
	27 - 28	2/18/2004	ND(0.043)	ND(0.043)	ND(0.043)	0.045	ND(0.043)	ND(0.043)	ND(0.043)	0.045
MSSB-B09	1 - 3	2/19/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	3 - 5	2/19/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	5 - 7	2/19/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.071 JN	ND(0.036)	0.014 J	ND(0.036)	0.084 JN
	7 - 9	2/19/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	9 - 11	2/19/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	11 - 13	2/19/2004	ND(0.036) [ND(0.035)]	ND(0.036) [ND(0.035)]	ND(0.036) [ND(0.035)]	ND(0.036) [ND(0.035)]	ND(0.036) [ND(0.035)]	ND(0.036) [ND(0.035)]	ND(0.036) [ND(0.035)]	ND(0.036) [ND(0.035)]
	13 - 14	2/19/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
MSSB-B10	1 - 3	8/5/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.11	0.034	ND(0.034)	0.14
	3 - 5	8/5/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	5 - 7	8/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.031 J	0.019 J	ND(0.038)	0.050 J
MSSB-B11	1 - 3	2/18/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.32	0.14	ND(0.035)	0.46
	3 - 5	2/18/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	5 - 7	2/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.013 J	ND(0.036)	ND(0.036)	ND(0.036)	0.013 J
	7 - 9	2/18/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	9 - 11	2/18/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.045 JN	ND(0.038)	ND(0.038)	ND(0.038)	0.045 JN
	11 - 13	2/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	13 - 15	2/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	15 - 17	2/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.064	ND(0.036)	ND(0.036)	ND(0.036)	0.064
	17 - 19	2/18/2004	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	0.30 [0.32]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	0.30 [0.32]
	19 - 21	2/18/2004	ND(0.040)	ND(0.040)	ND(0.040)	0.40	ND(0.040)	ND(0.040)	ND(0.040)	0.40
	21 - 23	2/18/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.14	ND(0.039)	ND(0.039)	ND(0.039)	0.14
	23 - 25	2/18/2004	ND(0.040)	ND(0.040)	ND(0.040)	0.093	ND(0.040)	ND(0.040)	ND(0.040)	0.093
	25 - 27	2/18/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.14	ND(0.038)	ND(0.038)	ND(0.038)	0.14
	27 - 28	2/18/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.15	ND(0.035)	ND(0.035)	ND(0.035)	0.15
MSSB-B12	7 - 9	8/5/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	9 - 11	8/5/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	11 - 13	8/5/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	13 - 15	8/5/2004	ND(0.25)	ND(0.25)	ND(0.25)	0.97	ND(0.25)	ND(0.25)	ND(0.25)	0.97
	15 - 17	8/5/2004	ND(0.26)	ND(0.26)	ND(0.26)	5.4	ND(0.26)	ND(0.26)	ND(0.26)	5.4
	17 - 19	8/5/2004	ND(0.040)	ND(0.040)	ND(0.040)	0.14	ND(0.040)	ND(0.040)	ND(0.040)	0.14
	19 - 21	8/5/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.14	ND(0.037)	ND(0.037)	0.14
	21 - 23	8/5/2004	ND(0.22)	ND(0.22)	ND(0.22)	0.54	ND(0.22)	ND(0.22)	ND(0.22)	0.54
MSSB-B13	1 - 3	2/12/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.034 J	ND(0.036)	ND(0.036)	ND(0.036)	0.034 J
	3 - 5	2/12/2004	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	0.053 [0.055]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	0.053 [0.055]
	5 - 7	2/12/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	7 - 9	2/12/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.13	ND(0.039)	ND(0.039)	ND(0.039)	0.13
	9 - 11	2/12/2004	ND(0.26)	ND(0.26)	ND(0.26)	2.2	ND(0.26)	ND(0.26)	ND(0.26)	2.2
	11 - 13	2/12/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.13	ND(0.038)	ND(0.038)	ND(0.038)	0.13
	13 - 15	2/12/2004	0.90	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	0.90
	15 - 17	2/12/2004	0.36	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.36
	17 - 19	*2/12/2004*	*ND(0.035)*	*ND(0.035)*	*ND(0.035)*	*0.054*	*ND(0.035)*	*ND(0.035)*	*ND(0.035)*	*0.054*
	19 - 21	2/12/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.60	ND(0.038)	ND(0.038)	ND(0.038)	0.60
	21 - 21.6	2/12/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.13	ND(0.037)	ND(0.037)	ND(0.037)	0.13

TABLE 11
SUMMARY OF PDI PCB SAMPLE DATA - MILL STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
MSSB-B15	1 - 3	2/12/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.089	ND(0.036)	ND(0.036)	ND(0.036)	0.089
	3 - 5	*2/12/2004*	*ND(0.034)*	*ND(0.034)*	*ND(0.034)*	*0.18*	*ND(0.034)*	*ND(0.034)*	*ND(0.034)*	*0.18*
	5 - 7	2/12/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.056	ND(0.035)	ND(0.035)	ND(0.035)	0.056
	7 - 9	2/12/2004	ND(0.040)	ND(0.040)	ND(0.040)	0.26	ND(0.040)	ND(0.040)	ND(0.040)	0.26
	9 - 11	2/12/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.032 J	ND(0.035)	ND(0.035)	ND(0.035)	0.032 J
	11 - 13	2/12/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.086	ND(0.036)	ND(0.036)	ND(0.036)	0.086
	13 - 15	2/12/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.077	ND(0.036)	ND(0.036)	ND(0.036)	0.077
	15 - 17	2/12/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.058	ND(0.037)	ND(0.037)	ND(0.037)	0.058
	17 - 19	2/12/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.035 J	ND(0.036)	ND(0.036)	ND(0.036)	0.035 J
	19 - 21	2/12/2004	ND(0.042)	ND(0.042)	ND(0.042)	0.11	ND(0.042)	ND(0.042)	ND(0.042)	0.11
	21 - 21.3	2/12/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.32	ND(0.036)	ND(0.036)	ND(0.036)	0.32
MSSB-B17	1 - 3	2/12/2004	ND(0.36)	ND(0.36)	ND(0.36)	2.0	ND(0.36)	ND(0.36)	ND(0.36)	2.0
	3 - 5	2/12/2004	ND(0.24)	ND(0.24)	ND(0.24)	2.7	ND(0.24)	ND(0.24)	ND(0.24)	2.7
	5 - 7	2/12/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.088	ND(0.039)	ND(0.039)	ND(0.039)	0.088
	7 - 9	2/12/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.34	ND(0.038)	ND(0.038)	ND(0.038)	0.34
	9 - 11	2/12/2004	ND(0.049)	ND(0.049)	ND(0.049)	0.098	ND(0.049)	ND(0.049)	ND(0.049)	0.098
	11 - 13	2/12/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.27	ND(0.036)	ND(0.036)	ND(0.036)	0.27
	13 - 15	2/12/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.062	ND(0.038)	ND(0.038)	ND(0.038)	0.062
	15 - 17	2/12/2004	ND(0.052)	ND(0.052)	ND(0.052)	0.078	ND(0.052)	ND(0.052)	ND(0.052)	0.078
	17 - 19	2/12/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.038	ND(0.036)	ND(0.036)	ND(0.036)	0.038
	19 - 19.6	2/12/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.044	ND(0.035)	ND(0.035)	ND(0.035)	0.044
MSSB-B17N	1 - 2	7/9/2004	ND(0.034) [ND(0.033)]	ND(0.034) [ND(0.033)]	ND(0.034) [ND(0.033)]	ND(0.034) [ND(0.033)]	0.026 J [0.022 J]	ND(0.034) [ND(0.033)]	ND(0.034) [ND(0.033)]	0.026 J [0.022 J]
MSSB-B18	1 - 2	7/7/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.042	ND(0.034)	ND(0.034)	ND(0.034)	0.042
MSSB-B19	1 - 2	7/7/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
MSSB-B20	1 - 2	7/7/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
MSSB-B21	1 - 2	7/7/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.043)	ND(0.033)	ND(0.033)	ND(0.043)
MSSB-C01	1 - 3	1/13/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.089	ND(0.036)	ND(0.036)	0.089
	3 - 5	1/13/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.078	ND(0.034)	ND(0.034)	ND(0.034)	0.078
	5 - 7	1/13/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.031 J	ND(0.034)	ND(0.034)	ND(0.034)	0.031 J
	7 - 9	1/13/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.033 J	ND(0.034)	0.018 J	ND(0.034)	0.050 J
	9 - 11	1/13/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.068	ND(0.040)	ND(0.040)	0.068
	11 - 13	1/13/2004	ND(0.57)	ND(0.57)	ND(0.57)	ND(0.57)	2.5	1.9	ND(0.57)	4.4
	13 - 15	1/13/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.038	ND(0.037)	ND(0.037)	ND(0.037)	0.038
	15 - 17	1/13/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.087	ND(0.037)	0.047	ND(0.037)	0.13
	17 - 19	1/13/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.030 J	ND(0.036)	ND(0.036)	ND(0.036)	0.030 J
	19 - 21	1/13/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.031 J	ND(0.035)	ND(0.035)	0.031 J
	21 - 23	1/13/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.019 J	ND(0.037)	ND(0.037)	0.019 J
	23 - 25	1/13/2004	ND(2.2)	ND(2.2)	ND(2.2)	6.2	ND(2.2)	3.4	ND(2.2)	9.5
	25 - 27	*1/13/2004*	*ND(0.037)*	*ND(0.037)*	*ND(0.037)*	*0.12*	*ND(0.037)*	*0.062*	*ND(0.037)*	*0.18*
	27 - 29	1/13/2004	ND(0.22)	ND(0.22)	ND(0.22)	0.29	ND(0.22)	0.20 J	ND(0.22)	0.49 J
	29 - 31	1/13/2004	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	0.018 J [0.045]	ND(0.039) [ND(0.039)]	ND(0.039) [0.022 J]	ND(0.039) [ND(0.039)]	0.018 J [0.067 J]
	31 - 33	1/13/2004	ND(0.040)	ND(0.040)	ND(0.040)	0.029 J	ND(0.040)	ND(0.040)	ND(0.040)	0.029 J
	33 - 35	1/13/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.042	ND(0.039)	0.024 J	ND(0.039)	0.067 J
	35 - 36.5	1/13/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.036	ND(0.036)	0.020 J	ND(0.036)	0.056 J
MSSB-C03	1 - 3	1/20/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.055	0.044	ND(0.036)	0.099
	3 - 5	1/20/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.021 J	ND(0.034)	ND(0.034)	ND(0.034)	0.021 J
	5 - 7	1/20/2004	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]
	7 - 9	1/20/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.049	ND(0.034)	0.020 J	ND(0.034)	0.068 J
	9 - 11	1/20/2004	ND(0.041)	ND(0.041)	ND(0.041)	0.012 J	ND(0.041)	ND(0.041)	ND(0.041)	0.012 J
	11 - 13	1/20/2004	ND(0.040)	ND(0.040)	ND(0.040)	0.023 J	ND(0.040)	ND(0.040)	ND(0.040)	0.023 J
	13 - 15	1/20/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.016 J	ND(0.038)	ND(0.038)	ND(0.038)	0.016 J
	15 - 17	1/20/2004	ND(0.041)	ND(0.041)	ND(0.041)	0.016 J	ND(0.041)	ND(0.041)	ND(0.041)	0.016 J
	17 - 19	1/20/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.016 J	ND(0.038)	ND(0.038)	ND(0.038)	0.016 J
	19 - 21	1/20/2004	ND(0.041)	ND(0.041)	ND(0.041)	0.026 J	ND(0.041)	ND(0.041)	ND(0.041)	0.026 J
	21 - 23	1/20/2004	ND(0.042)	ND(0.042)	ND(0.042)	0.018 J	ND(0.042)	ND(0.042)	ND(0.042)	0.018 J
	23 - 25	1/20/2004	ND(0.042)	ND(0.042)	ND(0.042)	0.028 J	ND(0.042)	ND(0.042)	ND(0.042)	0.028 J
	25 - 27	1/20/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.015 J	ND(0.039)	ND(0.039)	ND(0.039)	0.015 J
	27 - 27.4	1/20/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.014 J	ND(0.039)	ND(0.039)	ND(0.039)	0.014 J

TABLE 11
SUMMARY OF PDI PCB SAMPLE DATA - MILL STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
MSSB-C05	1 - 3	1/6/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.022 J	ND(0.036)	ND(0.036)	0.022 J
	3 - 5	1/6/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.012 J	ND(0.039)	ND(0.039)	0.012 J
	5 - 7	1/6/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.016 J	0.011 J	ND(0.036)	0.027 J
	7 - 9	1/6/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.015 J	ND(0.037)	ND(0.037)	0.015 J
	9 - 11	1/6/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.15	0.12	ND(0.043)	0.28
	11 - 13	1/6/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.021 J	ND(0.040)	ND(0.040)	0.021 J
	13 - 15	1/6/2004	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*0.018 J*	*ND(0.036)*	*ND(0.036)*	*0.018 J*
	15 - 17	1/6/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.031 J	ND(0.038)	ND(0.038)	0.031 J
	17 - 19	1/6/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.022 J	0.020 J	ND(0.036)	0.042 J
	19 - 21	1/6/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.034 J	0.028 J	ND(0.039)	0.062 J
	21 - 23	1/6/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.027 J	ND(0.036)	ND(0.036)	ND(0.036)	0.027 J
	23 - 23.4	1/6/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.021 JP	ND(0.036)	ND(0.036)	ND(0.036)	0.021 J
MSSB-C06	1 - 3	2/16/2004	ND(300)	ND(300)	ND(300)	ND(300)	1500	ND(300)	ND(300)	1500
	3 - 5	2/16/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.76	ND(0.035)	ND(0.035)	0.76
	5 - 7	2/16/2004	ND(0.035) [ND(0.036)]	ND(0.035) [ND(0.036)]	ND(0.035) [ND(0.036)]	ND(0.035) [ND(0.036)]	0.10 [0.14]	ND(0.035) [ND(0.036)]	ND(0.035) [ND(0.036)]	0.10 [0.14]
	7 - 9	2/16/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.12	ND(0.040)	ND(0.040)	0.12
	9 - 11	2/16/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	11 - 13	2/16/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.42	ND(0.037)	ND(0.037)	ND(0.037)	0.42
	13 - 15	2/16/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.024 J	ND(0.037)	ND(0.037)	0.024 J
	15 - 17	2/16/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.095	ND(0.035)	ND(0.035)	ND(0.035)	0.095
	17 - 19	2/16/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.073	ND(0.038)	ND(0.038)	ND(0.038)	0.073
	19 - 21	2/16/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.19	ND(0.037)	ND(0.037)	ND(0.037)	0.19
	21 - 22.5	2/16/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.16	ND(0.036)	ND(0.036)	ND(0.036)	0.16
MSSB-C06N	1 - 3	7/9/2004	ND(0.66)	ND(0.66)	ND(0.66)	ND(0.66)	9.6	ND(0.66)	ND(0.66)	9.6
	3 - 5	7/9/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.038	ND(0.033)	ND(0.033)	0.038
MSSB-C07	1 - 3	1/6/2004	ND(1200)	ND(1200)	ND(1200)	ND(1200)	12000	ND(1200)	ND(1200)	12000
	3 - 5	*1/6/2004*	*ND(7.0)*	*ND(7.0)*	*ND(7.0)*	*ND(7.0)*	*13*	*ND(7.0)*	*ND(7.0)*	*13*
	5 - 7	1/6/2004	ND(35)	ND(35)	ND(35)	ND(35)	320	ND(35)	ND(35)	320
	7 - 9	1/6/2004	ND(200)	ND(200)	ND(200)	ND(200)	420	ND(200)	ND(200)	420
	9 - 11	1/6/2004	ND(930)	ND(930)	ND(930)	3600	ND(930)	ND(930)	ND(930)	3600
	11 - 13	1/6/2004	ND(1100)	ND(1100)	ND(1100)	8800	ND(1100)	ND(1100)	ND(1100)	8800
	13 - 15	1/6/2004	ND(5100)	ND(5100)	ND(5100)	25000	ND(5100)	ND(5100)	ND(5100)	25000
	15 - 17	1/6/2004	ND(1000)	ND(1000)	ND(1000)	9400	ND(1000)	ND(1000)	ND(1000)	9400
	17 - 19	1/6/2004	ND(7.5)	ND(7.5)	ND(7.5)	13	ND(7.5)	ND(7.5)	ND(7.5)	13
	19 - 21	1/6/2004	ND(38)	ND(38)	ND(38)	290	ND(38)	ND(38)	ND(38)	290
	21 - 21.4	1/6/2004	ND(6.7)	ND(6.7)	ND(6.7)	13	ND(6.7)	ND(6.7)	ND(6.7)	13
MSSB-C07E	1 - 3	7/12/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.28 J	ND(0.034)	ND(0.034)	0.28 J
	3 - 5	7/12/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.086	ND(0.033)	ND(0.033)	0.086
	5 - 7	7/12/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.17 J	ND(0.033)	ND(0.033)	0.17 J
	7 - 9	7/12/2004	ND(0.037) [ND(72)]	ND(0.037) [ND(72)]	ND(0.037) [ND(72)]	ND(0.037) [ND(72)]	0.034 J [230 J]	ND(0.037) [63 J]	ND(0.037) [ND(72)]	0.034 J [290 J]
	7 - 9	7/12/2004	ND(0.037) J [ND(0.035) J]	ND(0.037) J [ND(0.035) J]	ND(0.037) J [ND(0.035) J]	ND(0.037) J [ND(0.035) J]	0.031 J [0.041 J]	0.013 J [0.016 J]	ND(0.037) J [ND(0.035) J]	0.044 J [0.057 J]
	9 - 11	7/12/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.054	ND(0.037)	ND(0.037)	0.054
	11 - 13	7/12/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.019 J	ND(0.037)	ND(0.037)	0.019 J
	13 - 15	7/12/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	15 - 17	7/12/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	17 - 19	7/12/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	19 - 21	*7/12/2004*	*ND(0.039)*	*ND(0.039)*	*ND(0.039)*	*0.040*	*ND(0.039)*	*ND(0.039)*	*ND(0.039)*	*0.040*
	21 - 22.7	7/12/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.033 J	ND(0.034)	ND(0.034)	ND(0.034)	0.033 J

TABLE 11
SUMMARY OF PDI PCB SAMPLE DATA - MILL STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
MSSB-C07NW	3 - 5	7/8/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.020 J	ND(0.035)	ND(0.035)	0.020 J
	5 - 7	7/8/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.30	0.16	ND(0.035)	0.47
	7 - 9	7/8/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	9 - 11	7/8/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	11 - 13	7/8/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	13 - 15	7/8/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.017 J	ND(0.036)	ND(0.036)	0.017 J
	15 - 17	7/8/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	17 - 19	7/8/2004	ND(4.2)	ND(4.2)	ND(4.2)	ND(4.2)	ND(4.2)	28	ND(4.2)	28
	19 - 21	7/8/2004	ND(5.7)	ND(5.7)	ND(5.7)	ND(5.7)	ND(5.7)	39	ND(5.7)	39
	21 - 23	7/8/2004	ND(4.4)	ND(4.4)	ND(4.4)	ND(4.4)	ND(4.4)	30	ND(4.4)	30
	23 - 25	7/8/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.016 J	ND(0.039)	ND(0.039)	0.016 J
	25 - 27	7/8/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.053	ND(0.037)	ND(0.037)	0.053
	27 - 27.5	7/8/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
MSSB-C07W	1 - 3	7/28/2004	ND(12)	ND(12)	ND(12)	ND(12)	56	ND(12)	ND(12)	56
	3 - 5	7/28/2004	ND(13)	ND(13)	ND(13)	ND(13)	84	ND(13)	ND(13)	84
	5 - 7	7/28/2004	ND(0.21) [ND(0.20)]	ND(0.21) [ND(0.20)]	ND(0.21) [ND(0.20)]	ND(0.21) [ND(0.20)]	0.098 J [0.13 J]	ND(0.21) [ND(0.20)]	ND(0.21) [ND(0.20)]	0.098 J [0.13 J]
	7 - 9	7/28/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	3.0	ND(0.25)	ND(0.25)	3.0
	9 - 11	7/28/2004	1.1	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	1.1
	11 - 13	7/28/2004	0.71	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	0.71
	13 - 15	7/28/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	15 - 17	7/28/2004	0.68	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	0.68
	17 - 19	7/28/2004	0.56	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	0.56
	19 - 21	7/28/2004	0.36	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	0.36
MSSB-C08	1 - 3	2/16/2004	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	2.0	ND(0.28)	ND(0.28)	2.0
	3 - 5	2/16/2004	ND(5.1)	ND(5.1)	ND(5.1)	ND(5.1)	45	ND(5.1)	ND(5.1)	45
	5 - 7	2/16/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	2.4	ND(0.21)	ND(0.21)	2.4
	7 - 9	2/16/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.064	ND(0.038)	ND(0.038)	ND(0.038)	0.064
	9 - 11	2/16/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.12	ND(0.038)	ND(0.038)	ND(0.038)	0.12
	11 - 13	2/16/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.034 J	ND(0.039)	ND(0.039)	ND(0.039)	0.034 J
	13 - 15	2/16/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.12	ND(0.039)	ND(0.039)	ND(0.039)	0.12
	15 - 17	2/16/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.22	ND(0.037)	ND(0.037)	ND(0.037)	0.22
	17 - 19	2/16/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.074	ND(0.037)	ND(0.037)	ND(0.037)	0.074
	19 - 20	2/16/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.086	ND(0.038)	ND(0.038)	ND(0.038)	0.086
MSSB-C08N	3 - 5	7/8/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.011 J	ND(0.034)	ND(0.034)	ND(0.034)	0.011 J
	5 - 7	7/8/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.011 J	ND(0.035)	ND(0.035)	ND(0.035)	0.011 J
	7 - 9	7/8/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.011 J	ND(0.035)	ND(0.035)	ND(0.035)	0.011 J
	9 - 11	7/8/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	11 - 13	7/8/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.035 J	ND(0.037)	ND(0.037)	0.035 J
	13 - 15	7/8/2004	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	ND(0.038) [0.011 J]	0.011 J [ND(0.037)]	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	0.011 J [0.011 J]
	15 - 17	7/8/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.10	ND(0.039)	ND(0.039)	ND(0.039)	0.10
	17 - 19	7/8/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.20	ND(0.036)	ND(0.036)	ND(0.036)	0.20
	19 - 21	7/8/2004	ND(0.042)	ND(0.042)	ND(0.042)	0.17	ND(0.042)	ND(0.042)	ND(0.042)	0.17
	21 - 23	7/8/2004	ND(0.044)	ND(0.044)	ND(0.044)	0.15	ND(0.044)	ND(0.044)	ND(0.044)	0.15
MSSB-C09	1 - 3	1/13/2004	ND(5.1) [ND(5.1)]	ND(5.1) [ND(5.1)]	ND(5.1) [ND(5.1)]	ND(5.1) [ND(5.1)]	29 [30]	ND(5.1) [ND(5.1)]	ND(5.1) [ND(5.1)]	29 [30]
	11 - 13	1/13/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.087	ND(0.041)	ND(0.041)	0.087
	19 - 21	1/13/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.041	ND(0.037)	ND(0.037)	ND(0.037)	0.041
MSSB-C10	1 - 3	7/21/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	1.2	ND(0.23)	ND(0.23)	1.2
	3 - 5	7/21/2004	ND(0.42)	ND(0.42)	ND(0.42)	ND(0.42)	8.2	ND(0.42)	ND(0.42)	8.2
	5 - 7	7/21/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	5.9	ND(0.24)	ND(0.24)	5.9
	7 - 8	7/21/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	4.9	ND(0.24)	ND(0.24)	4.9
	8 - 10	7/21/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.086	ND(0.039)	ND(0.039)	0.086
MSSB-C10NE	1 - 3	7/13/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.38	ND(0.036)	ND(0.036)	0.38
	3 - 5	7/13/2004	ND(170)	ND(170)	ND(170)	ND(170)	430	460	ND(170)	880
	5 - 7	7/13/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.031 J	ND(0.037)	ND(0.037)	0.031 J
	7 - 9	7/13/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.034 J	ND(0.036)	ND(0.036)	0.034 J
	9 - 11	7/13/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	11 - 13	7/13/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.011 J	ND(0.034)	ND(0.034)	0.011 J
	13 - 15	7/13/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.15	0.077	ND(0.036)	0.22

TABLE 11
SUMMARY OF PDI PCB SAMPLE DATA - MILL STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
MSSB-C11	1 - 3	1/8/2004	ND(37)	ND(37)	ND(37)	ND(37)	110	ND(37)	ND(37)	110
	3 - 5	1/8/2004	ND(200) [ND(170)]	ND(200) [ND(170)]	ND(200) [ND(170)]	ND(200) [ND(170)]	1100 [790]	ND(200) [ND(170)]	ND(200) [ND(170)]	1100 [790]
	5 - 7	1/8/2004	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	2.1	ND(0.37)	ND(0.37)	2.1
	7 - 9	1/8/2004	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	0.42	ND(0.15)	ND(0.15)	0.42
	9 - 11	1/8/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.10	ND(0.038)	ND(0.038)	0.10
	11 - 13	1/8/2004	ND(0.76)	ND(0.76)	ND(0.76)	ND(0.76)	3.7	ND(0.76)	ND(0.76)	3.7
	13 - 15	1/8/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.45	ND(0.041)	ND(0.041)	0.45
	15 - 17	1/8/2004	ND(0.081)	ND(0.081)	ND(0.081)	ND(0.081)	0.42	ND(0.081)	ND(0.081)	0.42
	17 - 19	1/8/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.31	ND(0.040)	ND(0.040)	0.31
	19 - 21	1/8/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.18	ND(0.036)	0.087	ND(0.036)	0.26
MSSB-C11N	3 - 5	7/7/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	5 - 7	7/7/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	7 - 9	7/7/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.018 J	ND(0.034)	ND(0.034)	0.018 J
	9 - 11	7/7/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.12	ND(0.035)	ND(0.035)	0.12
	11 - 13	7/7/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	0.38	ND(0.22)	ND(0.22)	0.38
	13 - 15	7/7/2004	ND(0.040)	ND(0.040)	ND(0.040)	0.027 J	ND(0.040)	ND(0.040)	ND(0.040)	0.027 J
	15 - 17	7/7/2004	ND(0.25)	ND(0.25)	ND(0.25)	0.57	ND(0.25)	ND(0.25)	ND(0.25)	0.57
	17 - 19	7/7/2004	ND(0.25) [ND(0.22)]	ND(0.25) [ND(0.22)]	ND(0.25) [ND(0.22)]	ND(0.25) [ND(0.22)]	0.67 J [0.37 J]	ND(0.25) [ND(0.22)]	ND(0.25) [ND(0.22)]	0.67 J [0.37 J]
	19 - 21	7/7/2004	ND(0.26)	ND(0.26)	ND(0.26)	0.48	ND(0.26)	ND(0.26)	ND(0.26)	0.48
	21 - 23	7/7/2004	ND(0.25)	ND(0.25)	ND(0.25)	0.38	ND(0.25)	ND(0.25)	ND(0.25)	0.38
	23 - 23.8	7/7/2004	ND(0.25)	ND(0.25)	ND(0.25)	0.35	ND(0.25)	ND(0.25)	ND(0.25)	0.35
MSSB-C11W	1 - 3	7/22/2004	ND(980)	ND(980)	ND(980)	ND(980)	2100	ND(980)	ND(980)	2100
	3 - 5	7/22/2004	ND(13)	ND(13)	ND(13)	ND(13)	36	ND(13)	ND(13)	36
	5 - 7	7/22/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	1.4	ND(0.21)	ND(0.21)	1.4
	7 - 9	7/22/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	1.5	ND(0.25)	ND(0.25)	1.5
	9 - 11	7/22/2004	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	2.1	ND(0.27)	ND(0.27)	2.1
	11 - 13	7/22/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	13 - 15	7/22/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
MSSB-C12	1 - 3	2/12/2004	ND(290)	ND(290)	ND(290)	ND(290)	6700	ND(290)	ND(290)	6700
	3 - 5	2/12/2004	ND(530)	ND(530)	ND(530)	ND(530)	12000	ND(530)	ND(530)	12000
	5 - 7	2/12/2004	ND(130)	ND(130)	ND(130)	4700	ND(130)	ND(130)	ND(130)	4700
	7 - 9	2/12/2004	ND(210)	ND(210)	ND(210)	2900	ND(210)	ND(210)	ND(210)	2900
	9 - 11	2/12/2004	ND(110) [ND(100)]	ND(110) [ND(100)]	ND(110) [ND(100)]	2600 [1900]	ND(110) [ND(100)]	ND(110) [ND(100)]	ND(110) [ND(100)]	2600 [1900]
	11 - 13	2/12/2004	ND(260)	ND(260)	ND(260)	5700	ND(260)	ND(260)	ND(260)	5700
	13 - 15	2/12/2004	ND(3.2)	ND(3.2)	ND(3.2)	33	ND(3.2)	ND(3.2)	ND(3.2)	33
	15 - 17	2/12/2004	ND(12)	ND(12)	ND(12)	110	ND(12)	ND(12)	ND(12)	110
	17 - 19	2/12/2004	ND(44)	ND(44)	ND(44)	1400	ND(44)	ND(44)	ND(44)	1400
	19 - 19.8	2/12/2004	ND(120)	ND(120)	ND(120)	1300	ND(120)	ND(120)	ND(120)	1300
MSSB-C12N	3 - 5	7/8/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.022 J	ND(0.034)	ND(0.034)	0.022 J
	5 - 7	7/8/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.020 J	ND(0.034)	ND(0.034)	0.020 J
	7 - 9	7/8/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.13	ND(0.036)	ND(0.036)	0.13
	9 - 11	7/8/2004	ND(330)	ND(330)	ND(330)	690	ND(330)	ND(330)	ND(330)	690
	11 - 13	7/8/2004	ND(1300)	ND(1300)	ND(1300)	3600	ND(1300)	ND(1300)	ND(1300)	3600
	13 - 15	7/8/2004	ND(11)	ND(11)	ND(11)	43	ND(11)	ND(11)	ND(11)	43
	15 - 17	7/8/2004	ND(14)	ND(14)	ND(14)	57	ND(14)	ND(14)	ND(14)	57
	17 - 19	7/8/2004	ND(5.2)	ND(5.2)	ND(5.2)	18	ND(5.2)	ND(5.2)	ND(5.2)	18
	19 - 21	7/8/2004	ND(24)	ND(24)	ND(24)	120	ND(24)	ND(24)	ND(24)	120
	21 - 23	7/8/2004	ND(0.23)	ND(0.23)	ND(0.23)	0.41	ND(0.23)	ND(0.23)	ND(0.23)	0.41
MSSB-C13	1 - 3	1/8/2004	ND(37)	ND(37)	ND(37)	100	ND(37)	ND(37)	100	
	3 - 5	1/8/2004	ND(35)	ND(35)	ND(35)	ND(35)	58	ND(35)	58	
	5 - 7	1/8/2004	ND(720)	ND(720)	ND(720)	ND(720)	2300	ND(720)	2300	
	7 - 9	1/8/2004	ND(39)	ND(39)	ND(39)	ND(39)	47	ND(39)	47	
	9 - 11	1/8/2004	ND(0.37) [ND(0.072)]	ND(0.37) [ND(0.072)]	ND(0.37) [ND(0.072)]	ND(0.37) [ND(0.072)]	0.73 [0.51]	0.56 [0.40]	ND(0.37) [ND(0.072)]	1.3 [0.92]
	11 - 13	1/8/2004	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	9.9	7.5	ND(1.9)	17
	13 - 15	1/8/2004	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	1.4	0.88	ND(0.39)	2.3
	15 - 17	1/8/2004	ND(39)	ND(39)	ND(39)	ND(39)	94	63	ND(39)	160
	17 - 18.7	1/8/2004	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	6.9	4.8	ND(1.8)	12

TABLE 11
SUMMARY OF PDI PCB SAMPLE DATA - MILL STREET AREA SUBSURFACE SOILS

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FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth *(Feet)*	Date *Collected*	*Aroclor 1016*	*Aroclor 1221*	*Aroclor 1232*	*Aroclor 1242*	*Aroclor 1248*	*Aroclor 1254*	*Aroclor 1260*	*Total PCBs*
MSSB-C13N	3 - 5	7/13/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.068	0.033 J	ND(0.035)	0.10 J
	5 - 7	7/13/2004	ND(0.035) [ND(0.038)]	ND(0.035) [ND(0.038)]	ND(0.035) [ND(0.038)]	ND(0.035) [ND(0.038)]	ND(0.035) [ND(0.038)]	ND(0.035) [ND(0.038)]	ND(0.035) [ND(0.038)]	ND(0.035) [ND(0.038)]
	7 - 9	7/13/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	9 - 11	7/13/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	11 - 13	7/13/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	13 - 15	7/13/2004	1.2	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	1.2
	15 - 17	7/13/2004	1.3	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.28)	1.3
	17 - 19	7/13/2004	1.2	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	1.2
	19 - 19.9	7/13/2004	0.058	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.058
MSSB-C13NE	3 - 5	7/26/2004	ND(1800)	ND(1800)	ND(1800)	ND(1800)	7400	4100	ND(1800)	12000
	5 - 7	7/26/2004	ND(19) [ND(9.7)]	ND(19) [ND(9.7)]	ND(19) [ND(9.7)]	ND(19) [ND(9.7)]	82 J [26 J]	33 J [10 J]	ND(19) [ND(9.7)]	120 J [37 J]
	7 - 9	7/26/2004	ND(24)	ND(24)	ND(24)	ND(24)	90	56	ND(24)	140
	9 - 11	7/26/2004	ND(6.1)	ND(6.1)	ND(6.1)	ND(6.1)	18	14	ND(6.1)	32
	11 - 13	7/26/2004	ND(0.41)	ND(0.41)	ND(0.41)	ND(0.41)	5.7	4.8	ND(0.41)	10
	13 - 15	7/26/2004	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	5.5	4.7	ND(0.38)	10
	15 - 16	7/26/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	4.3	3.8	ND(0.22)	8.1
MSSB-C14	1 - 3	2/12/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	0.86	ND(0.21)	ND(0.21)	0.86
	3 - 5	2/12/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.028 J	ND(0.036)	ND(0.036)	0.028 J
	5 - 7	2/12/2004	*ND(0.034)*	*ND(0.034)*	*ND(0.034)*	*ND(0.034)*	*ND(0.034)*	*ND(0.034)*	*ND(0.034)*	*ND(0.034)*
	7 - 9	2/12/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	9 - 11	2/12/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.051 J	ND(0.039)	ND(0.039)	ND(0.039)	0.051 J
	11 - 13	2/12/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	13 - 15	2/12/2004	ND(0.20)	ND(0.20)	ND(0.20)	1.6	ND(0.20)	ND(0.20)	ND(0.20)	1.6
	15 - 17	2/12/2004	ND(0.037)	0.39 JN	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.39 JN
	17 - 19	2/12/2004	ND(0.038)	0.29 JN	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.29 JN
	19 - 20	2/12/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.24	ND(0.036)	ND(0.036)	ND(0.036)	0.24
MSSB-C15	1 - 3	1/6/2004	ND(0.17)	ND(0.17)	ND(0.17)	0.86	ND(0.17)	ND(0.17)	ND(0.17)	0.86
	3 - 5	1/6/2004	ND(0.14)	ND(0.14)	ND(0.14)	0.43	ND(0.14)	ND(0.14)	ND(0.14)	0.43
	5 - 7	1/6/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.24	ND(0.034)	ND(0.034)	ND(0.034)	0.24
	7 - 9	1/6/2004	ND(0.36)	ND(0.36)	ND(0.36)	2.6	ND(0.36)	ND(0.36)	ND(0.36)	2.6
	9 - 11	1/6/2004	ND(0.14)	ND(0.14)	ND(0.14)	0.52	ND(0.14)	ND(0.14)	ND(0.14)	0.52
	11 - 13	1/6/2004	*ND(0.15)*	*ND(0.15)*	*ND(0.15)*	1.3	*ND(0.15)*	*ND(0.15)*	*ND(0.15)*	1.3
	13 - 15	1/6/2004	ND(0.19)	ND(0.19)	ND(0.19)	0.57	ND(0.19)	ND(0.19)	ND(0.19)	0.57
	15 - 17	1/6/2004	ND(0.19)	ND(0.19)	ND(0.19)	1.1	ND(0.19)	ND(0.19)	ND(0.19)	1.1
	17 - 19	1/6/2004	ND(0.14)	ND(0.14)	ND(0.14)	0.40	ND(0.14)	ND(0.14)	ND(0.14)	0.40
	19 - 20.4	1/6/2004	ND(0.14)	ND(0.14)	ND(0.14)	0.68	ND(0.14)	ND(0.14)	ND(0.14)	0.68
MSSB-C16	1 - 2	4/29/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
MSSB-C17	1 - 3	1/7/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.018 J	ND(0.034)	ND(0.034)	ND(0.034)	0.018 J
	3 - 5	1/7/2004	ND(0.70)	ND(0.70)	ND(0.70)	1.7	ND(0.70)	ND(0.70)	ND(0.70)	1.7
	5 - 7	1/7/2004	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	0.051 [0.11]	ND(0.039) [ND(0.039)]	0.032 J [ND(0.039)]	ND(0.039) [ND(0.039)]	0.084 J [0.11]
	7 - 9	1/7/2004	ND(0.71)	ND(0.71)	ND(0.71)	1.6	ND(0.71)	ND(0.71)	ND(0.71)	1.6
	9 - 11	1/7/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.047	ND(0.037)	ND(0.037)	ND(0.037)	0.047
	11 - 13	1/7/2004	ND(0.18)	ND(0.18)	ND(0.18)	0.25	ND(0.18)	ND(0.18)	ND(0.18)	0.25
	13 - 15	1/7/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.044	ND(0.039)	ND(0.039)	ND(0.039)	0.044
	15 - 17	1/7/2004	ND(0.77)	ND(0.77)	ND(0.77)	1.5	ND(0.77)	ND(0.77)	ND(0.77)	1.5
	17 - 19	1/7/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.060	ND(0.037)	ND(0.037)	ND(0.037)	0.060
	19 - 20.2	1/7/2004	ND(0.38)	ND(0.38)	ND(0.38)	0.26 J	ND(0.38)	ND(0.38)	ND(0.38)	0.26 J
MSSB-C17S	1 - 3	7/22/2004	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	0.025 J [ND(0.037)]	0.021 J [ND(0.034)]	ND(0.034) [ND(0.034)]	0.046 J [ND(0.037)]
	3 - 5	7/22/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.0099 J	ND(0.033)	0.0099 J
	5 - 7	7/22/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	7 - 9	7/22/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	9 - 11	7/22/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	11 - 13	7/22/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	13 - 15	7/22/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	15 - 17	7/22/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	17 - 18.5	7/22/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.019 J	ND(0.038)	ND(0.038)	0.019 J
MSSB-C18	1 - 2	4/29/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)

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

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
MSSB-C19	1 - 3	1/7/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.041)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.041)
	3 - 5	1/7/2004	ND(0.14)	ND(0.14)	ND(0.14)	0.27	ND(0.14)	ND(0.14)	ND(0.14)	0.27
	5 - 7	1/7/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.042)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.042)
	7 - 9	1/7/2004	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	0.25 [0.29]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	0.25 [0.29]
	9 - 11	1/7/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.093	ND(0.034)	ND(0.034)	ND(0.034)	0.093
	11 - 13	1/7/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.15	ND(0.035)	ND(0.035)	ND(0.035)	0.15
	13 - 15	1/7/2004	ND(0.040)	ND(0.040)	ND(0.040)	0.14	ND(0.040)	ND(0.040)	ND(0.040)	0.14
	15 - 17	1/7/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.10	ND(0.038)	ND(0.038)	ND(0.038)	0.10
	17 - 19	1/7/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.018 J	ND(0.037)	ND(0.037)	ND(0.037)	0.018 J
	19 - 20.2	1/7/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.032 J	ND(0.036)	ND(0.036)	ND(0.036)	0.032 J
MSSB-C20	1 - 2	4/22/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.014 J	0.0092 J	ND(0.033)	0.023 J
MSSB-D04	1 - 2	4/28/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
MSSB-D04SW	1 - 2	7/1/2004	ND(4.2)	ND(4.2)	ND(4.2)	ND(4.2)	37	ND(4.2)	ND(4.2)	37
	2 - 3	7/1/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.054	ND(0.033)	ND(0.033)	0.054
MSSB-D05	1 - 2	4/28/2004	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	0.28	ND(0.12)	ND(0.12)	0.28
MSSB-D06	1 - 3	7/21/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	3.3	ND(0.24)	ND(0.24)	3.3
	3 - 5	7/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
MSSB-D07	1 - 3	2/13/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	5.0	ND(0.24)	ND(0.24)	5.0
	3 - 5	2/13/2004	ND(0.23)	ND(0.23)	ND(0.23)	0.66	ND(0.23)	ND(0.23)	ND(0.23)	0.66
	5 - 7	2/13/2004	5.0 JN	ND(0.44)	ND(0.44)	ND(0.44)	ND(0.44)	ND(0.44)	ND(0.44)	5.0 JN
	7 - 9	2/13/2004	ND(0.57)	ND(0.57)	ND(0.57)	ND(0.57)	5.8	ND(0.57)	ND(0.57)	5.8
	9 - 11	2/13/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	2.1	ND(0.21)	ND(0.21)	2.1
	11 - 13	2/13/2004	ND(0.28)	ND(0.28)	ND(0.28)	1.5 J	ND(0.28)	ND(0.28)	ND(0.28)	1.5 J
	13 - 15	2/13/2004	0.48	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.48
	15 - 17	2/13/2004	ND(0.26)	ND(0.26)	ND(0.26)	0.92	ND(0.26)	ND(0.26)	ND(0.26)	0.92
	17 - 19	2/13/2004	ND(0.24)	ND(0.24)	ND(0.24)	0.79	ND(0.24)	ND(0.24)	ND(0.24)	0.79
	19 - 21	2/13/2004	ND(0.26)	ND(0.26)	ND(0.26)	1.1	ND(0.26)	ND(0.26)	ND(0.26)	1.1
MSSB-D07SE	1 - 3	7/22/2004	ND(0.51)	ND(0.51)	ND(0.51)	ND(0.51)	8.6	ND(0.51)	ND(0.51)	8.6
	3 - 5	7/22/2004	ND(0.41)	ND(0.41)	ND(0.41)	ND(0.41)	1.4	ND(0.41)	ND(0.41)	1.4
	5 - 7	7/22/2004	ND(230)	ND(230)	ND(230)	ND(230)	560	ND(230)	ND(230)	560
	7 - 9	7/22/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	6.0	ND(0.24)	ND(0.24)	6.0
	9 - 11	7/22/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	3.1	ND(0.24)	ND(0.24)	3.1
	11 - 13	7/22/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.22	ND(0.043)	ND(0.043)	0.22
	13 - 15	7/22/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.58	0.22	ND(0.043)	0.80
	15 - 17	7/22/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.034 J	ND(0.043)	ND(0.043)	0.034 J
	17 - 19	7/22/2004	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	0.91	0.28	ND(0.27)	1.2
	19 - 21	7/22/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.53	0.20	ND(0.042)	0.73
	21 - 21.5	7/22/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.38	0.14	ND(0.041)	0.52
MSSB-D07W	1 - 3	7/28/2004	ND(460) [ND(530)]	ND(460) [ND(530)]	ND(460) [ND(530)]	ND(460) [ND(530)]	800 [830]	ND(460) [ND(530)]	ND(460) [ND(530)]	800 [830]
	3 - 5	7/28/2004	ND(4.2)	ND(4.2)	ND(4.2)	ND(4.2)	20	ND(4.2)	ND(4.2)	20
	5 - 7	7/28/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	3.6 J	ND(0.18)	ND(0.18)	3.6 J
	7 - 9	7/28/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	4.2	ND(0.22)	ND(0.22)	4.2
	9 - 11	7/28/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.3	ND(0.20)	ND(0.20)	1.3
	11 - 13	7/28/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.058	ND(0.040)	ND(0.040)	0.058
	13 - 15	7/28/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	0.69	ND(0.25)	ND(0.25)	0.69
	15 - 17	7/28/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.28	ND(0.042)	ND(0.042)	0.28
	17 - 19	7/28/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.074	ND(0.040)	ND(0.040)	0.074
	19 - 21	7/28/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.12	ND(0.040)	ND(0.040)	0.12
	21 - 21.5	7/28/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.19	ND(0.039)	ND(0.039)	0.19
MSSB-D08	1 - 3	7/1/2004	ND(220)	ND(220)	ND(220)	ND(220)	380	ND(220)	ND(220)	380
	3 - 5	7/1/2004	ND(200)	ND(200)	ND(200)	ND(200)	720	ND(200)	ND(200)	720
	5 - 7	7/1/2004	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	26	ND(3.7)	ND(3.7)	26
	7 - 8	7/1/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	0.90	ND(0.22)	ND(0.22)	0.90
	8 - 10	7/1/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.087	ND(0.046)	ND(0.046)	0.087
MSSB-D09	1 - 3	7/21/2004	0.24	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.24
	3 - 5	7/21/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.016 J	ND(0.034)	ND(0.034)	0.016 J
	5 - 7	7/21/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.022 J	ND(0.034)	ND(0.034)	0.022 J
	7 - 8	7/21/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.047 J	ND(0.034)	ND(0.034)	0.047 J
	8 - 10	7/21/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)

TABLE 11
SUMMARY OF PDI PCB SAMPLE DATA - MILL STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
MSSB-D10	1 - 2	4/29/2004	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	5.4	ND(0.40)	ND(0.40)	5.4
	2 - 3	4/29/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.036	ND(0.034)	ND(0.034)	0.036
MSSB-D11	1 - 3	7/6/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	1.4	ND(0.24)	ND(0.24)	1.4
	3 - 5	7/6/2004	ND(24) [ND(250)]	ND(24) [ND(250)]	ND(24) [ND(250)]	ND(24) [ND(250)]	330 J [880 J]	ND(24) [ND(250)]	ND(24) [ND(250)]	330 J [880 J]
	5 - 7	7/6/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	0.52	ND(0.21)	ND(0.21)	0.52
	7 - 9	7/6/2004	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	0.10 J	ND(0.14)	ND(0.14)	0.10 J
	9 - 11	7/6/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	11 - 13	7/6/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	13 - 15	7/6/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.15	ND(0.038)	ND(0.038)	0.15
	15 - 17	7/6/2004	ND(0.31)	ND(0.31)	ND(0.31)	ND(0.31)	1.1	ND(0.31)	ND(0.31)	1.1
	17 - 19	7/6/2004	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	0.84	ND(0.27)	ND(0.27)	0.84
	19 - 20	7/6/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.074	ND(0.034)	ND(0.034)	ND(0.034)	0.074
MSSB-D13	1 - 3	2/13/2004	ND(460)	ND(460)	ND(460)	10000	ND(460)	ND(460)	ND(460)	10000
	3 - 5	2/13/2004	ND(400) [ND(550)]	ND(400) [ND(550)]	ND(400) [ND(550)]	20000 [20000]	ND(400) [ND(550)]	ND(400) [ND(550)]	ND(400) [ND(550)]	20000 [20000]
	5 - 7	2/13/2004	ND(500)	ND(500)	ND(500)	7800	ND(500)	ND(500)	ND(500)	7800
	7 - 9	2/13/2004	ND(260)	ND(260)	ND(260)	1900	ND(260)	ND(260)	ND(260)	1900
	9 - 11	2/13/2004	ND(120)	ND(120)	ND(120)	3400	ND(120)	ND(120)	ND(120)	3400
	11 - 13	2/13/2004	ND(4.7)	ND(4.7)	ND(4.7)	56	ND(4.7)	ND(4.7)	ND(4.7)	56
	13 - 15	2/13/2004	ND(48)	ND(48)	ND(48)	620	ND(48)	460	ND(48)	1100
	15 - 17	2/13/2004	ND(4.0)	ND(4.0)	ND(4.0)	ND(22)	ND(4.0)	12	ND(4.0)	12
	17 - 19	2/13/2004	ND(0.44)	ND(0.44)	ND(0.44)	ND(5.0)	ND(0.44)	ND(0.44)	ND(0.44)	ND(5.0)
	19 - 21	2/13/2004	ND(100)	ND(100)	ND(100)	ND(650)	ND(100)	ND(100)	ND(100)	ND(650)
	21 - 22	2/13/2004	ND(220)	ND(220)	ND(220)	4300	ND(220)	ND(220)	ND(220)	4300
MSSB-D13E	1 - 3	7/6/2004	ND(2600)	ND(2600)	ND(2600)	26000	ND(2600)	ND(2600)	ND(2600)	26000
	3 - 5	7/6/2004	ND(1100)	ND(1100)	ND(1100)	10000	ND(1100)	ND(1100)	ND(1100)	10000
	5 - 7	7/6/2004	ND(43)	ND(43)	ND(43)	56 J	ND(43)	ND(43)	ND(43)	56 J
	7 - 9	7/6/2004	ND(1300)	ND(1300)	ND(1300)	4000	ND(1300)	ND(1300)	ND(1300)	4000
	9 - 11	7/6/2004	ND(570)	ND(570)	ND(570)	1500	ND(570)	ND(570)	ND(570)	1500
	11 - 13	7/6/2004	ND(100)	ND(100)	ND(100)	200	ND(100)	ND(100)	ND(100)	200
	13 - 15	7/6/2004	ND(0.52)	ND(0.52)	ND(0.52)	5.8	ND(0.52)	ND(0.52)	ND(0.52)	5.8
	15 - 16	7/6/2004	ND(0.25)	ND(0.25)	ND(0.25)	1.6	ND(0.25)	ND(0.25)	ND(0.25)	1.6
MSSB-D15	1 - 3	7/1/2004	ND(1300)	ND(1300)	ND(1300)	ND(1300)	3700	ND(1300)	ND(1300)	3700
	3 - 5	7/1/2004	ND(0.20)	ND(0.20)	ND(0.20)	0.30	ND(0.20)	ND(0.20)	ND(0.20)	0.30
	5 - 7	8/25/2004	ND(0.96) [ND(0.85)]	ND(0.96) [ND(0.85)]	ND(0.96) [ND(0.85)]	ND(0.96) [ND(0.85)]	10 [8.8]	ND(0.96) [ND(0.85)]	ND(0.96) [ND(0.85)]	10 [8.8]
	7 - 9	8/25/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	2.8	ND(0.24)	ND(0.24)	2.8
	9 - 11	8/25/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.4	ND(0.19)	ND(0.19)	1.4
	11 - 12	8/25/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	1.3	ND(0.22)	ND(0.22)	1.3
MSSB-D17	1 - 3	12/17/2003	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	0.032 J [0.033 J]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	0.032 J [0.033 J]
	3 - 5	12/17/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.042	ND(0.035)	ND(0.035)	0.042
	5 - 7	12/17/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.029 J	ND(0.040)	ND(0.040)	0.029 J
	7 - 9	12/17/2003	ND(0.072)	ND(0.072)	ND(0.072)	0.17	ND(0.072)	ND(0.072)	ND(0.072)	0.17
	9 - 11	12/17/2003	ND(0.037)	ND(0.037)	ND(0.037)	0.056 J	ND(0.037)	ND(0.037)	ND(0.037)	0.056 J
	11 - 13	12/17/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.023 J	ND(0.038)	ND(0.038)	ND(0.038)	0.023 J
	13 - 14.5	12/17/2003	ND(0.036)	ND(0.036)	ND(0.036)	0.17	ND(0.036)	ND(0.036)	ND(0.036)	0.17
MSSB-E01	1 - 3	12/19/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.018 J	ND(0.039)	ND(0.039)	0.018 J
	3 - 5	12/19/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.024 J	ND(0.042)	ND(0.042)	0.024 J
	5 - 7	12/19/2003	ND(0.037) [ND(0.036)]	ND(0.037) [ND(0.036)]	ND(0.037) [ND(0.036)]	ND(0.037) [ND(0.036)]	0.031 J [0.090]	ND(0.037) [ND(0.036)]	ND(0.037) [ND(0.036)]	0.031 J [0.090]
	7 - 9	12/19/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.061)	ND(0.038)	ND(0.038)	ND(0.061)
	9 - 11	12/19/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.055)	ND(0.037)	ND(0.037)	ND(0.055)
	11 - 13	12/19/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.048)	ND(0.042)	ND(0.042)	ND(0.048)
	13 - 15	12/19/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.039)	ND(0.039)	ND(0.043)
	15 - 17	12/19/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.054)	ND(0.039)	ND(0.039)	ND(0.054)
	17 - 19	12/19/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.054)	ND(0.041)	ND(0.041)	ND(0.054)
	19 - 21	12/19/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.026 J	ND(0.043)	ND(0.043)	0.026 J
	21 - 23	12/19/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.026 J	ND(0.038)	ND(0.038)	0.026 J
	23 - 24.1	12/19/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.025 J	ND(0.038)	ND(0.038)	0.025 J

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FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
MSSB-E03	1 - 3	12/23/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.021 J	ND(0.035)	ND(0.035)	0.021 J
	3 - 5	12/23/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.024 J	ND(0.035)	ND(0.035)	0.024 J
	5 - 7	12/23/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	7 - 9	12/23/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.039	ND(0.039)	ND(0.039)	0.039
	9 - 11	12/23/2003	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [0.019 J]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [0.019 J]
	11 - 13	12/23/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.022 J	ND(0.038)	ND(0.038)	0.022 J
	13 - 15	12/23/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.020 J	0.014 J	ND(0.039)	0.034 J
	15 - 17	12/23/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.021 J	0.018 J	ND(0.039)	0.039
	17 - 19	12/23/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.022 J	ND(0.043)	ND(0.043)	0.022 J
	19 - 21	12/23/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.027 J	ND(0.035)	ND(0.035)	0.027 J
	21 - 21.4	12/23/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.053)	ND(0.035)	ND(0.035)	ND(0.053)
MSSB-E05	1 - 3	12/4/2003	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	3.7	2.7 J	ND(3.6)	6.4 J
	3 - 5	12/4/2003	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)	3.9	3.2	ND(0.70)	7.1
	5 - 7	12/4/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.097	0.088	ND(0.037)	0.18
	7 - 9	12/4/2003	ND(0.039)	ND(0.039)	ND(0.039)	0.040	ND(0.039)	ND(0.039)	ND(0.039)	0.040
	9 - 11	12/11/2003	ND(0.041) [ND(0.040)]	ND(0.041) [ND(0.040)]	ND(0.041) [ND(0.040)]	ND(0.041) [ND(0.040)]	0.020 J [0.029 J]	ND(0.041) [ND(0.040)]	ND(0.041) [ND(0.040)]	0.020 J [0.029 J]
	11 - 13	12/11/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.025 J	0.021 J	ND(0.036)	0.046 J
MSSB-E05E	1 - 3	7/21/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.23 J	ND(0.037)	ND(0.037)	0.23 J
	3 - 5	7/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	5 - 7	7/21/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
MSSB-E05N	1 - 3	7/21/2004	ND(0.91) [ND(0.84)]	ND(0.91) [ND(0.84)]	ND(0.91) [ND(0.84)]	ND(0.91) [ND(0.84)]	12 [11]	ND(0.91) [ND(0.84)]	ND(0.91) [ND(0.84)]	12 [11]
	3 - 5	7/21/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	5 - 7	7/21/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
MSSB-E05W	1 - 3	7/21/2004	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	6.4	ND(0.43)	ND(0.43)	6.4
	3 - 5	7/21/2004	ND(0.52)	ND(0.52)	ND(0.52)	ND(0.52)	11	ND(0.52)	ND(0.52)	11
	5 - 7	7/21/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	5.7	ND(0.24)	ND(0.24)	5.7
MSSB-E07	1 - 3	12/9/2003	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)	8.4	ND(0.70)	ND(0.70)	8.4
	3 - 5	12/9/2003	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	1.7	ND(0.13)	ND(0.13)	1.7
	5 - 7	12/9/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.21	ND(0.036)	ND(0.036)	0.21
	7 - 9	12/9/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.29	ND(0.036)	ND(0.036)	0.29
	9 - 11	12/9/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.067	0.029 J	ND(0.039)	0.096 J
	11 - 13	12/9/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	13 - 15	12/9/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	15 - 17	12/9/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.047	ND(0.043)	ND(0.043)	0.047
	17 - 19	12/9/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.025 J	ND(0.042)	ND(0.042)	0.025 J
	19 - 20.4	12/9/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.22	ND(0.042)	ND(0.042)	0.22
MSSB-E07W	1 - 3	7/21/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	1.4	ND(0.21)	ND(0.21)	1.4
	3 - 5	7/21/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.19 J	ND(0.046)	ND(0.046)	0.19 J
	5 - 7	7/21/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.011 J	ND(0.035)	ND(0.035)	0.011 J
MSSB-E08	1 - 3	7/22/2004	ND(4300) [ND(2500)]	ND(4300) [ND(2500)]	ND(4300) [ND(2500)]	ND(4300) [ND(2500)]	17000 [14000]	ND(4300) [ND(2500)]	ND(4300) [ND(2500)]	17000 [14000]
	3 - 5	7/22/2004	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	2.8	ND(0.23)	ND(0.23)	2.8
	5 - 6	7/22/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	1.2	ND(0.22)	ND(0.22)	1.2
	6 - 8	7/22/2004	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	1.4	ND(0.29)	ND(0.29)	1.4
MSSB-E09	1 - 3	12/9/2003	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	33	ND(3.5)	ND(3.5)	33
	3 - 5	12/9/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.082	ND(0.037)	ND(0.037)	0.082
	5 - 7	12/9/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.020 J	ND(0.037)	ND(0.037)	0.020 J
	7 - 9	12/9/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.11	ND(0.039)	ND(0.039)	0.11
	9 - 11	12/9/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.012 J	ND(0.040)	ND(0.040)	0.012 J
	11 - 13	12/9/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	13 - 15	12/9/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	15 - 17	12/9/2003	ND(0.039)	ND(0.039)	ND(0.039)	0.016 J	ND(0.039)	ND(0.039)	ND(0.039)	0.016 J
	17 - 19	12/9/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.037 J	ND(0.038)	ND(0.038)	ND(0.038)	0.037 J
	19 - 21	12/11/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.042	ND(0.038)	ND(0.038)	ND(0.038)	0.042
MSSB-E09N	1 - 3	7/20/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	3.5	ND(0.25)	ND(0.25)	3.5
	3 - 5	7/20/2004	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	1.1	ND(0.25)	ND(0.25)	1.1
MSSB-E09W	1 - 3	7/1/2004	ND(11) [ND(12)]	ND(11) [ND(12)]	ND(11) [ND(12)]	ND(11) [ND(12)]	210 [150]	ND(11) [ND(12)]	ND(11) [ND(12)]	210 [150]
	3 - 5	7/1/2004	ND(0.17)	ND(0.17)	ND(0.17)	0.40	ND(0.17)	ND(0.17)	ND(0.17)	0.40
MSSB-E10	1 - 3	7/20/2004	ND(4.5)	ND(4.5)	ND(4.5)	ND(4.5)	46	ND(4.5)	ND(4.5)	46
	3 - 5	7/20/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.11	ND(0.034)	ND(0.034)	0.11

TABLE 11
SUMMARY OF PDI PCB SAMPLE DATA - MILL STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
MSSB-E11	1 - 3	12/18/2003	ND(35) [ND(18)]	ND(35) [ND(18)]	ND(35) [ND(18)]	ND(35) [ND(18)]	280 [290]	ND(35) [ND(18)]	ND(35) [ND(18)]	280 [290]
	3 - 5	12/18/2003	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	3.6	ND(0.74)	ND(0.74)	3.6
	5 - 7	12/18/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	7 - 9	12/18/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.039)	ND(0.034)	ND(0.034)	ND(0.039)
	9 - 11	12/18/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	11 - 13	12/18/2003	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.79	ND(0.20)	ND(0.20)	0.79
	13 - 15	12/18/2003	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	0.55	ND(0.16)	ND(0.16)	0.55
	15 - 17	12/18/2003	ND(0.082)	ND(0.082)	ND(0.082)	ND(0.082)	0.31	ND(0.082)	ND(0.082)	0.31
	17 - 19	12/18/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.29	ND(0.042)	ND(0.042)	0.29
	19 - 21	12/18/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.073	ND(0.042)	ND(0.042)	0.073
	21 - 21.8	12/18/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
MSSB-E12	1 - 3	7/7/2004	ND(13)	ND(13)	ND(13)	61	ND(13)	ND(13)	ND(13)	61
	3 - 4	7/7/2004	ND(42)	ND(42)	ND(42)	270	ND(42)	ND(42)	ND(42)	270
	4 - 6	7/1/2004	ND(0.26)	ND(0.26)	ND(0.26)	0.16 J	ND(0.26)	ND(0.26)	ND(0.26)	0.16 J
	6 - 8	7/1/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.12	ND(0.035)	ND(0.035)	0.12
	8 - 10	7/7/2004	ND(0.22)	ND(0.22)	ND(0.22)	0.86	ND(0.22)	ND(0.22)	ND(0.22)	0.86
	10 - 12	7/1/2004	ND(0.20)	ND(0.20)	ND(0.20)	0.13 J	ND(0.20)	ND(0.20)	ND(0.20)	0.13 J
	12 - 14	7/7/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.021 J	ND(0.040)	ND(0.040)	0.021 J
	14 - 16	7/1/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.032 J	ND(0.037)	ND(0.037)	0.032 J
MSSB-E13	1 - 3	12/17/2003	ND(1800)	ND(1800)	ND(1800)	12000	ND(1800)	ND(1800)	ND(1800)	12000
	3 - 5	12/17/2003	ND(2.0)	ND(2.0)	ND(2.0)	15	ND(2.0)	ND(2.0)	ND(2.0)	15
	5 - 7	12/17/2003	ND(0.039)	ND(0.039)	ND(0.039)	0.22	ND(0.039)	ND(0.039)	ND(0.039)	0.22
	7 - 9	12/17/2003	ND(8.6)	ND(8.6)	ND(8.6)	36	ND(8.6)	ND(8.6)	ND(8.6)	36
	9 - 11	12/17/2003	ND(0.74)	ND(0.74)	ND(0.74)	5.6	ND(0.74)	ND(0.74)	ND(0.74)	5.6
	11 - 13	12/17/2003	ND(0.19)	ND(0.19)	ND(0.19)	2.0	ND(0.19)	ND(0.19)	ND(0.19)	2.0
	13 - 15	12/17/2003	ND(0.15)	ND(0.15)	ND(0.15)	0.44	ND(0.15)	ND(0.15)	ND(0.15)	0.44
	15 - 17	12/17/2003	ND(0.15)	ND(0.15)	ND(0.15)	0.82	ND(0.15)	ND(0.15)	ND(0.15)	0.82
	17 - 19	12/17/2003	ND(0.083)	ND(0.083)	ND(0.083)	0.27	ND(0.083)	ND(0.083)	ND(0.083)	0.27
	19 - 21	12/18/2003	ND(0.17)	ND(0.17)	ND(0.17)	0.92	ND(0.17)	ND(0.17)	ND(0.17)	0.92
	21 - 21.3	12/18/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
MSSB-E13E	1 - 3	7/27/2004	ND(810)	ND(810)	ND(810)	17000	ND(810)	ND(810)	ND(810)	17000
	3 - 5	7/27/2004	ND(210)	ND(210)	ND(210)	1600	ND(210)	ND(210)	ND(210)	1600
	5 - 7	7/27/2004	ND(0.049) [ND(0.043)]	ND(0.049) [ND(0.043)]	ND(0.049) [ND(0.043)]	0.11 J [0.057 J]	ND(0.049) [ND(0.043)]	ND(0.049) [ND(0.043)]	ND(0.049) [ND(0.043)]	0.11 J [0.057 J]
	7 - 9	7/27/2004	ND(0.78)	ND(0.78)	ND(0.78)	ND(0.78)	2.3	0.82	ND(0.78)	3.2
	9 - 11	7/27/2004	ND(0.040)	ND(0.040)	ND(0.040)	0.011 J	ND(0.040)	ND(0.040)	ND(0.040)	0.011 J
	11 - 13	7/27/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.12 JN	ND(0.036)	ND(0.036)	0.12 JN
	13 - 15	7/27/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.032 J	ND(0.037)	ND(0.037)	0.032 J
MSSB-E13S	1 - 2	4/22/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.044	ND(0.035)	ND(0.035)	ND(0.035)	0.044
	2 - 3	4/22/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.045	ND(0.034)	ND(0.034)	ND(0.034)	0.045
	3 - 5	4/22/2004	ND(0.048)	ND(0.048)	ND(0.048)	0.036 J	ND(0.048)	ND(0.048)	ND(0.048)	0.036 J
	5 - 7	4/22/2004	ND(0.038) [ND(0.035)]	ND(0.038) [ND(0.035)]	ND(0.038) [ND(0.035)]	ND(0.038) [ND(0.035)]	ND(0.038) [ND(0.035)]	ND(0.038) [ND(0.035)]	ND(0.038) [ND(0.035)]	ND(0.038) [ND(0.035)]
	7 - 9	4/22/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	9 - 11	4/22/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	11 - 13	4/22/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	13 - 15	4/22/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
MSSB-E13SS	1 - 2	4/22/2004	ND(0.034)	ND(0.034)	ND(0.034)	0.024 J	ND(0.034)	ND(0.034)	ND(0.034)	0.024 J
	2 - 3	4/22/2004	ND(0.033)	ND(0.033)	ND(0.033)	0.011 J	ND(0.033)	ND(0.033)	ND(0.033)	0.011 J
MSSB-E13W	1 - 3	7/27/2004	ND(0.26)	ND(0.26)	ND(0.26)	2.6	ND(0.26)	ND(0.26)	ND(0.26)	2.6
	3 - 5	7/27/2004	ND(0.40)	ND(0.40)	ND(0.40)	1.8	ND(0.40)	ND(0.40)	ND(0.40)	1.8
	5 - 7	7/27/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.27	ND(0.037)	ND(0.037)	ND(0.037)	0.27
	7 - 9	7/27/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.21	0.20	ND(0.040)	0.41
	9 - 11	7/27/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.043	ND(0.036)	ND(0.036)	ND(0.036)	0.043
	11 - 13	7/27/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.23	ND(0.037)	ND(0.037)	0.23
	13 - 15	7/27/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.051	ND(0.036)	ND(0.036)	ND(0.036)	0.051
MSSB-E14	1 - 2	4/29/2004	ND(1400)	ND(1400)	ND(1400)	15000	ND(1400)	ND(1400)	ND(1400)	15000
	2 - 3	4/29/2004	ND(430)	ND(430)	ND(430)	ND(430)	14000	ND(430)	ND(430)	14000
	3 - 5	7/27/2004	ND(12)	ND(12)	ND(12)	ND(12)	98	ND(12)	ND(12)	98
	5 - 7	7/27/2004	ND(0.27)	ND(0.27)	ND(0.27)	2.1	ND(0.27)	ND(0.27)	ND(0.27)	2.1

TABLE 11
SUMMARY OF PDI PCB SAMPLE DATA - MILL STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
MSSB-E14S	1 - 3	7/27/2004	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	16	ND(2.1)	ND(2.1)	16
	3 - 5	7/27/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.024 J	ND(0.039)	ND(0.039)	0.024 J
	5 - 7	7/27/2004	ND(0.077)	ND(0.077)	ND(0.077)	ND(0.077)	ND(0.077)	ND(0.077)	ND(0.077)	ND(0.077)
MSSB-E14SE	1 - 2	4/22/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	2 - 3	4/22/2004	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.015 J	ND(0.033)	ND(0.033)	0.015 J
MSSB-E14SW	1 - 2	4/22/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	2 - 3	4/22/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
MSSB-E15	1 - 3	12/17/2003	*ND(18)*	*ND(18)*	*ND(18)*	*ND(18)*	64	*ND(18)*	*ND(18)*	64
	3 - 5	12/17/2003	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.71	ND(0.18)	ND(0.18)	0.71
	5 - 7	12/17/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.12	ND(0.035)	0.025 J	0.15 J
	7 - 9	12/17/2003	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)	0.15	0.22	ND(0.076)	0.36
	9 - 11	12/17/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.016 J	0.016 J	ND(0.038)	0.032 J
	11 - 13	12/17/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.014 J	ND(0.037)	ND(0.037)	0.014 J
	13 - 13.6	12/17/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.15	ND(0.038)	ND(0.038)	ND(0.038)	0.15
MSSB-E15S	1 - 3	4/22/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.40	ND(0.035)	ND(0.035)	0.40
MSSB-F05	1 - 3	7/21/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.011 J	ND(0.034)	ND(0.034)	0.011 J
	3 - 5	7/21/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.019 J	ND(0.034)	ND(0.034)	0.019 J
	5 - 7	7/21/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.020 J	ND(0.036)	ND(0.036)	0.020 J
MSSB-F06	1 - 2	4/28/2004	ND(0.21) [ND(0.24)]	ND(0.21) [ND(0.24)]	ND(0.21) [ND(0.24)]	1.8 J [0.68 J]	ND(0.21) [ND(0.24)]	ND(0.21) [ND(0.24)]	ND(0.21) [ND(0.24)]	1.8 J [0.68 J]
	2 - 3	4/28/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.035 J	ND(0.039)	ND(0.039)	0.035 J
MSSB-F07	1 - 3	12/12/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.062	ND(0.034)	ND(0.034)	0.062
	3 - 5	12/12/2003	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	0.014 J	ND(0.033)	ND(0.033)	0.014 J
	5 - 7	12/12/2003	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
	7 - 9	12/12/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.066	ND(0.034)	ND(0.034)	0.066
	9 - 11	12/12/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.081	ND(0.038)	ND(0.038)	ND(0.038)	0.081
	11 - 13	12/12/2003	ND(0.039)	ND(0.039)	ND(0.039)	0.011 J	ND(0.039)	ND(0.039)	ND(0.039)	0.011 J
	13 - 15	12/12/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	15 - 17	12/12/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
MSSB-F08	1 - 2	4/29/2004	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	11	ND(1.0)	ND(1.0)	11
	2 - 3	4/29/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.15	ND(0.035)	ND(0.035)	0.15
MSSB-F09	1 - 2	7/1/2004	ND(4.6)	ND(4.6)	ND(4.6)	ND(4.6)	24	ND(4.6)	ND(4.6)	24
	2 - 3	7/1/2004	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	0.20 J	ND(0.22)	ND(0.22)	0.20 J
	3 - 5	7/1/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.49	ND(0.042)	ND(0.042)	0.49
MSSB-F10	1 - 2	4/29/2004	ND(4.2) [ND(11)]	ND(4.2) [ND(11)]	ND(4.2) [ND(11)]	ND(4.2) [ND(11)]	65 [88]	ND(4.2) [ND(11)]	ND(4.2) [ND(11)]	65 [88]
	2 - 3	4/29/2004	*ND(0.21)*	*ND(0.21)*	*ND(0.21)*	*ND(0.21)*	0.52 J	*ND(0.21)*	*ND(0.21)*	0.52 J
MSSB-G01	1 - 3	12/11/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.013 J	ND(0.036)	ND(0.036)	0.013 J
	3 - 5	12/11/2003	ND(0.046) [ND(0.044)]	ND(0.046) [ND(0.044)]	ND(0.046) [ND(0.044)]	ND(0.046) [ND(0.044)]	0.066 [0.036 J]	ND(0.046) [ND(0.044)]	ND(0.046) [ND(0.044)]	0.066 [0.036 J]
	5 - 7	12/11/2003	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	0.33	ND(0.075)	ND(0.075)	0.33
	7 - 9	12/11/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.014 J	ND(0.037)	ND(0.037)	0.014 J
	9 - 11	12/11/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	11 - 13	12/11/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	13 - 15	12/11/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	15 - 17	12/11/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.013 J	ND(0.036)	ND(0.036)	0.013 J
	17 - 19	12/11/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	19 - 21	12/11/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.033 J	ND(0.037)	ND(0.037)	0.033 J
	21 - 23	*12/11/2003*	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*
	23 - 25	12/11/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.016 J	ND(0.042)	ND(0.042)	0.016 J
	25 - 27	12/11/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.097	ND(0.043)	ND(0.043)	0.097
	27 - 29	12/12/2003	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	0.028 J [ND(0.037)]	ND(0.038) [ND(0.037)]	ND(0.038) [ND(0.037)]	0.028 J [ND(0.037)]
	29 - 31	12/12/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.031 J	ND(0.040)	ND(0.040)	0.031 J
	31 - 31.5	12/12/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.012 J	ND(0.040)	ND(0.040)	0.012 J

TABLE 11
SUMMARY OF PDI PCB SAMPLE DATA - MILL STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
MSSB-G03	1 - 3	12/16/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.025 J	ND(0.036)	ND(0.036)	0.025 J
	3 - 5	12/16/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.079	ND(0.036)	ND(0.036)	0.079
	5 - 7	12/16/2003	*ND(0.035)*	*ND(0.035)*	*ND(0.035)*	*ND(0.035)*	*0.048*	*ND(0.035)*	*ND(0.035)*	*0.048*
	7 - 9	12/16/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.036 J	ND(0.037)	ND(0.037)	0.036 J
	9 - 11	12/16/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.026 J	ND(0.040)	ND(0.040)	0.026 J
	11 - 13	12/16/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.050	ND(0.037)	ND(0.037)	0.050
	13 - 15	12/16/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.029 J	ND(0.037)	ND(0.037)	0.029 J
	20 - 21	12/16/2003	ND(0.078)	ND(0.078)	ND(0.078)	ND(0.078)	0.26	ND(0.078)	ND(0.078)	0.26
	21 - 23	12/16/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.11	ND(0.041)	ND(0.041)	0.11
	23 - 25	12/16/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	25 - 26	12/16/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.075)
MSSB-G05	1 - 3	12/16/2003	ND(0.000035)	ND(0.000035)	ND(0.000035)	ND(0.000035)	ND(0.000035)	ND(0.000035)	ND(0.000035)	ND(0.000035)
	3 - 5	12/16/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	5 - 7	12/16/2003	*ND(0.035)*	*ND(0.035)*	*ND(0.035)*	*ND(0.035)*	*ND(0.035)*	*ND(0.035)*	*ND(0.035)*	*ND(0.035)*
	7 - 9	12/16/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	9 - 11	12/16/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.048)	ND(0.040)	ND(0.040)	ND(0.048)
	11 - 12	12/16/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.013 J	ND(0.038)	0.013 J
MW-22A	10 - 11	1/14/2004	ND(0.043)	ND(0.043)	ND(0.043)	0.013 J	ND(0.043)	ND(0.043)	ND(0.043)	0.013 J
	13 - 15	1/27/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.068	ND(0.036)	ND(0.036)	ND(0.036)	0.068
	15 - 17	1/27/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.11	ND(0.037)	ND(0.037)	ND(0.037)	0.11
	17 - 19	1/27/2004	ND(0.036)	ND(0.036)	ND(0.036)	0.070	ND(0.036)	ND(0.036)	ND(0.036)	0.070
MW-22B	3 - 4	1/28/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.071)	ND(0.035)	ND(0.035)	ND(0.071)
	4 - 6	1/28/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.48	ND(0.041)	ND(0.041)	0.48
	6 - 8	1/28/2004	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	1.8	ND(0.27)	ND(0.27)	1.8
	8 - 10	1/28/2004	*ND(0.035)*	*ND(0.035)*	*ND(0.035)*	*ND(0.035)*	*0.057*	*ND(0.035)*	*ND(0.035)*	*0.057*
MW-23A	17 - 19	1/22/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.051	ND(0.037)	ND(0.037)	ND(0.037)	0.051
	19 - 21	1/22/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.046	ND(0.038)	ND(0.038)	ND(0.038)	0.046
	21 - 23	1/22/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.071	ND(0.039)	ND(0.039)	ND(0.039)	0.071
MW-23B	9 - 11	1/26/2004	ND(0.039)	ND(0.039)	ND(0.039)	0.062	ND(0.039)	ND(0.039)	ND(0.039)	0.062
	11 - 13	1/26/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	13 - 15	1/26/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.022 J	ND(0.038)	ND(0.038)	0.022 J
MW-23C	1 - 3	1/20/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.017 J	ND(0.034)	ND(0.034)	0.017 J
	3 - 5	1/20/2004	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]
	5 - 7	1/20/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.013 J	ND(0.038)	ND(0.038)	ND(0.038)	0.013 J
	7 - 9	1/20/2004	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	15 - 17	1/20/2004	ND(0.038)	ND(0.038)	ND(0.038)	0.11	ND(0.038)	ND(0.038)	ND(0.038)	0.11
MW-24A	17 - 19	1/6/2004	ND(0.037)	ND(0.037)	ND(0.037)	0.56	ND(0.037)	ND(0.037)	ND(0.037)	0.56
	19 - 21	1/6/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.056)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.056)
	21 - 23	1/6/2004	ND(0.035)	ND(0.035)	ND(0.035)	0.088	ND(0.035)	ND(0.035)	ND(0.035)	0.088
MW-24B	1 - 3	1/7/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.12	ND(0.038)	ND(0.038)	0.12
	9 - 11	1/7/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	11 - 13	1/7/2004	*ND(0.041)*	*ND(0.041)*	*ND(0.041)*	*ND(0.041)*	*ND(0.041)*	*ND(0.041)*	*ND(0.041)*	*ND(0.041)*
	13 - 15	1/8/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.015 J	ND(0.035)	ND(0.035)	0.015 J
MW-24C	3 - 5	1/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.084	ND(0.038)	ND(0.038)	0.084
	5 - 7	1/5/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.057)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.057)
	7 - 9	1/5/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.041)
	15 - 17	1/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.055)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.055)
SB-05	1 - 2	4/29/2004	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	2.1	ND(0.24)	ND(0.24)	2.1
	2 - 3	4/29/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.035 J	ND(0.038)	ND(0.038)	0.035 J
SB-12	1 - 2	4/29/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
SB-12 (ESE)	1 - 2	7/12/2004	ND(440)	ND(440)	ND(440)	ND(440)	610	620	ND(440)	1200
	2 - 3	7/12/2004	ND(45)	ND(45)	ND(45)	ND(45)	260	300	ND(45)	560
	3 - 5	7/12/2004	*ND(0.26)*	*ND(0.26)*	*ND(0.26)*	*ND(0.26)*	*1.3*	*1.6*	*ND(0.26)*	*3.0*
SB-13	1 - 2	4/28/2004	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	0.029 J [0.021 J]	ND(0.035) [ND(0.034)]	ND(0.035) [ND(0.034)]	0.029 J [0.021 J]
SB-14	1 - 2	4/28/2004	ND(0.035) [ND(0.39)]	ND(0.035) [ND(0.39)]	ND(0.035) [ND(0.39)]	ND(0.035) [ND(0.39)]	0.020 J [5.3]	ND(0.035) [ND(0.39)]	ND(0.035) [ND(0.39)]	0.020 J [5.3]
	2 - 3	4/28/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.011 J	ND(0.034)	ND(0.034)	0.011 J
SF-01g-I	1 - 3	7/12/2004	ND(23)	ND(23)	ND(23)	ND(23)	240	130	ND(23)	370
	3 - 5	7/12/2004	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)	1.2	ND(0.27)	ND(0.27)	1.2
SF-04g-I	1 - 2	4/29/2004	ND(190)	ND(190)	ND(190)	ND(190)	4300	ND(190)	ND(190)	4300
	2 - 3	4/29/2004	ND(0.83)	ND(0.83)	ND(0.83)	ND(0.83)	6.7 JN	ND(0.83)	ND(0.83)	6.7 JN

TABLE 11
SUMMARY OF PDI PCB SAMPLE DATA - MILL STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to Severn Trent Laboratories, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Field duplicate sample results are presented in brackets.
4. In the areas where temporary cover materials have been placed (e.g., geotextile and soil cover), the 0- to 1-foot surface soil sampling interval will begin at the depth of the geotextile installed by EPA, which is considered to represent the boundary between clean barrier soils and native Site soils.

Data Qualifiers:

J - The compound was positively identified; however, the associated numerical value is an estimated concentration only.
JN - The analysis indicates the presence of a compound for which there is presumptive evidence to make a tantative identification. The associated numerical value is an estimated concentration only.

TABLE 12
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SUBSURFACE SOILS

DRAFT
FOR EPA REVIEW

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	MSSB-C01	MSSB-C03	MSSB-C05	MSSB-C07	MSSB-C11	MSSB-C13	MSSB-C15	MSSB-C17	MSSB-C19	MSSB-D17	MSSB-E01	MSSB-E03	MSSB-E05	MSSB-E07	MSSB-E09	MSSB-E11
Sample Depth(Feet):	*10 - 12*	*13 - 15*	*4 - 6*	*4 - 6*	*8 - 10*	*6 - 8*	*10 - 12*	*9 - 11*	*9 - 11*	*6 - 8*	*3 - 5*	*6 - 8*	*6 - 8*	*5 - 7*	*5 - 7*	*7 - 9*
Parameter Date Collected:	01/13/04	01/20/04	01/06/04	01/06/04	01/08/04	01/08/04	01/06/04	01/07/04	01/07/04	12/17/03	12/19/03	01/05/04	12/11/03	12/09/03	12/11/03	12/18/03
Volatile Organics																
1,1,1-Trichloroethane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
1,1,2,2-Tetrachloroethane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
1,1,2-Trichloroethane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
1,1-Dichloroethane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
1,1-Dichloroethene	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
1,2 Dichloroethane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
1,2,4 Trichlorobenzene	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	2.1	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dibromo-3-chloropropane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dibromoethane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	0.017	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dichloropropane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
1,3-Dichlorobenzene	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	0.0020 J	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
1,4-Dichlorobenzene	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
2-Butanone	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
2-Hexanone	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
4-Methyl-2-pentanone	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	0.019 J	ND(0.029) [ND(0.029)]	0.013 J	ND(0.031)	ND(0.030)	0.012 J	ND(0.028)	ND(0.030)	ND(0.031)	ND(0.029)	ND(0.036)	ND(0.031)	ND(0.032)	ND(0.030)	ND(0.032)	ND(0.029)
Benzene	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Bromodichloromethane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Bromoform	*ND(0.014)*	*ND(0.010) [ND(0.010)]*	*ND(0.010)*	*ND(0.010)*	*ND(0.010)*	*ND(0.010)*	*ND(0.0090)*	*ND(0.010)*	*ND(0.010)*	*ND(0.010)*	*ND(0.012)*	*ND(0.010)*	*ND(0.011)*	*ND(0.010)*	*ND(0.010)*	*ND(0.010)*
Bromomethane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Carbon Disulfide	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Carbon Tetrachloride	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Chlorobenzene	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Chloroethane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Chloroform	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Chloromethane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
cis-1,2-Dichloroethene	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	0.0020 J	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
cis-1,3-Dichloropropene	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Cyclohexane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Dibromochloromethane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Dichlorodifluoromethane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Ethylbenzene	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Isopropylbenzene	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Methyl acetate	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Methyl tert butyl ether	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Methylcyclohexane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Methylene Chloride	0.014	ND(0.010) [ND(0.010)]	0.0070 BJ	ND(0.010)	0.0080 J	0.0090 J	ND(0.0090)	0.0070 J	0.027	ND(0.010)	0.014	0.013 B	ND(0.011)	0.0050 J	0.0060 J	0.0070 J
Styrene	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Tetrachloroethene	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Toluene	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
trans-1,2-Dichloroethene	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
trans-1,3-Dichloropropene	*ND(0.014)*	*ND(0.010) [ND(0.010)]*	*ND(0.010)*	*ND(0.010)*	*ND(0.010)*	*ND(0.010)*	*ND(0.0090)*	*ND(0.010)*	*ND(0.010)*	*ND(0.010)*	*ND(0.012)*	*ND(0.010)*	*ND(0.011)*	*ND(0.010)*	*ND(0.010)*	*ND(0.010)*
Trichloroethene	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	0.26 J	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Trichlorofluoromethane	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Vinyl acetate	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Vinyl chloride	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Xylenes,Total	ND(0.014)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)

TABLE 12
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SUBSURFACE SOILS

DRAFT
FOR EPA REVIEW

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	MSSB-C01	MSSB-C03	MSSB-C05	MSSB-C07	MSSB-C11	MSSB-C13	MSSB-C15	MSSB-C17	MSSB-C19	MSSB-D17	MSSB-E01	MSSB-E03	MSSB-E05	MSSB-E07	MSSB-E09	MSSB-E11
Sample Depth(Feet):	10 - 12	13 - 15	4 - 6	4 - 6	8 - 10	6 - 8	10 - 12	9 - 11	9 - 11	6 - 8	3 - 5	6 - 8	6 - 8	5 - 7	5 - 7	7 - 9
Parameter / Date Collected:	01/13/04	01/20/04	01/06/04	01/06/04	01/08/04	01/08/04	01/06/04	01/07/04	01/07/04	12/17/03	12/19/03	01/05/04	12/11/03	12/09/03	12/11/03	12/18/03
Semivolatile Organics																
2,2'-Oxybis(1-Chloropropane)	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
2,4,5-Trichlorophenol	ND(1.2)	ND(0.93) [ND(0.93)]	ND(0.90)	ND(0.88)	ND(0.93)	ND(18)	ND(0.93)	ND(0.93)	ND(0.87)	ND(0.89)	ND(1.0)	ND(0.90)	ND(0.96)	ND(0.89)	ND(0.91)	ND(0.91)
2,4,6-Trichlorophenol	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(7.3)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
2,4-Dichlorophenol	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(7.3)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
2,4-Dimethylphenol	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(7.3)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
2,4-Dinitrophenol	ND(2.1)	ND(1.6) [ND(1.6)]	ND(1.6)	ND(1.5)	ND(1.6)	ND(32)	ND(1.6)	ND(1.6)	ND(1.5)	ND(1.6)	ND(1.9)	ND(1.6)	ND(1.7)	ND(1.6)	ND(1.6)	ND(1.6)
2,4-Dinitrotoluene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
2,6-Dinitrotoluene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
2-Chloronaphthalene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
2-Chlorophenol	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
2-Methylnaphthalene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
2-Methylphenol	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(7.3)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
2-Nitroaniline	ND(1.2)	ND(0.93) [ND(0.93)]	ND(0.90)	ND(0.88)	ND(0.93)	ND(0.91)	ND(0.93)	ND(0.93)	ND(0.87)	ND(0.89)	ND(1.0)	ND(0.90)	ND(0.96)	ND(0.89)	ND(0.91)	ND(0.91)
2-Nitrophenol	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(7.3)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
3,3'-Dichlorobenzidine	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
3-Nitroaniline	ND(1.2)	ND(0.93) [ND(0.93)]	ND(0.90)	ND(0.88)	ND(0.93)	ND(0.91)	ND(0.93)	ND(0.93)	ND(0.87)	ND(0.89)	ND(1.0)	ND(0.90)	ND(0.96)	ND(0.89)	ND(0.91)	ND(0.91)
4,6-Dinitro-2-methylphenol	ND(1.2)	ND(0.93) [ND(0.93)]	ND(0.90)	ND(0.88)	ND(0.93)	ND(18)	ND(0.93)	ND(0.93)	ND(0.87)	ND(0.89)	ND(1.0)	ND(0.90)	ND(0.96)	ND(0.89)	ND(0.91)	ND(0.91)
4-Bromophenyl phenyl ether	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
4-Chloro-3-methylphenol	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(7.3)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
4-Chloroaniline	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
4-Chlorophenyl phenyl ether	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
4-Methylphenol	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(7.3)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
4-Nitroaniline	ND(1.2)	ND(0.93) [ND(0.93)]	ND(0.90)	ND(0.88)	ND(0.93)	ND(0.91)	ND(0.93)	ND(0.93)	ND(0.87)	ND(0.89)	ND(1.0)	ND(0.90)	ND(0.96)	ND(0.89)	ND(0.91)	ND(0.91)
4-Nitrophenol	ND(1.2)	ND(0.93) [ND(0.93)]	ND(0.90)	ND(0.88)	ND(0.93)	ND(18)	ND(0.93)	ND(0.93)	ND(0.87)	ND(0.89)	ND(1.0)	ND(0.90)	ND(0.96)	ND(0.89)	ND(0.91)	ND(0.91)
Acenaphthene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Acenaphthylene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Acetophenone	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Anthracene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Atrazine	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Benzaldehyde	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Benzo(a)anthracene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	0.64 J	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Benzo(a)pyrene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	0.48 J	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Benzo(b)fluoranthene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	0.40 J	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Benzo(g,h,i)perylene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	0.30 J	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Benzo(k)fluoranthene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	0.50 J	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Biphenyl	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Bis(2-chloroethoxy) methane	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Bis(2-chloroethyl) ether	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
bis(2-Ethylhexyl)phthalate	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Butyl benzyl phthalate	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Caprolactam	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Carbazole	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Chrysene	*ND(0.47)*	*ND(0.37) [ND(0.37)]*	*ND(0.36)*	*ND(0.35)*	*ND(0.37)*	*0.59 J*	*ND(0.37)*	*ND(0.37)*	*ND(0.34)*	*ND(0.35)*	*ND(0.42)*	*ND(0.36)*	*ND(0.38)*	*ND(0.36)*	*ND(0.36)*	*ND(0.36)*
Di-n-Butylphthalate	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Di-n-Octylphthalate	ND(0.64)	ND(0.50) [ND(0.50)]	ND(0.48)	ND(0.47)	ND(0.50)	ND(0.49)	ND(0.50)	ND(0.50)	ND(0.47)	ND(0.48)	ND(0.57)	ND(0.48)	ND(0.52)	ND(0.48)	ND(0.49)	ND(0.49)
Dibenz(a,h)anthracene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Dibenzofuran	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Diethyl phthalate	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Dimethyl phthalate	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Fluoranthene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Fluorene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Hexachlorobenzene	*ND(0.47)*	*ND(0.37) [ND(0.37)]*	*ND(0.36)*	*ND(0.35)*	*ND(0.37)*	*ND(0.36)*	*ND(0.37)*	*ND(0.37)*	*ND(0.34)*	*ND(0.35)*	*ND(0.42)*	*ND(0.36)*	*ND(0.38)*	*ND(0.36)*	*ND(0.36)*	*ND(0.36)*
Hexachlorobutadiene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Hexachlorocyclopentadiene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Hexachloroethane	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Indeno(1,2,3-c,d)pyrene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	0.31 J	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Isophorone	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
N-Nitroso-Di-n-propylamine	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
N-Nitrosodiphenylamine (1)	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)

TABLE 12
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	MSSB-C01 10 - 12 01/13/04	MSSB-C03 13 - 15 01/20/04	MSSB-C05 4 - 6 01/06/04	MSSB-C07 4 - 6 01/06/04	MSSB-C11 8 - 10 01/08/04	MSSB-C13 6 - 8 01/08/04	MSSB-C15 10 - 12 01/06/04	MSSB-C17 9 - 11 01/07/04	MSSB-C19 9 - 11 01/07/04	MSSB-D17 6 - 8 12/17/03	MSSB-E01 3 - 5 12/19/03	MSSB-E03 6 - 8 01/05/04	MSSB-E05 6 - 8 12/11/03	MSSB-E07 5 - 7 12/09/03	MSSB-E09 5 - 7 12/11/03	MSSB-E11 7 - 9 12/18/03
Naphthalene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Nitrobenzene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Pentachlorophenol	ND(1.2)	ND(0.93) [ND(0.93)]	ND(0.90)	ND(0.88)	ND(0.93)	ND(18)	ND(0.93)	ND(0.93)	ND(0.87)	ND(0.89)	ND(1.0)	ND(0.90)	ND(0.96)	ND(0.89)	ND(0.91)	ND(0.91)
Phenanthrene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Phenol	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	ND(7.3)	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Pyrene	ND(0.47)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.35)	ND(0.37)	1.2 J	ND(0.37)	ND(0.37)	ND(0.34)	ND(0.35)	ND(0.42)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.36)	ND(0.36)
Miscellaneous Parameters																
Total Organic Carbon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 12
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SUB-SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	MSSB-E13	MSSB-E15	MSSB-F07	MSSB-G01	MSSB-G03	MSSB-G03	MSSB-G05	MSSB-G05	MW-22A	MW-22A	MW-22A	MW-22A	MW-22A	MW-22B	MW-22B	MW-22B	MW-23A
Sample Depth(Feet):	6 - 8	5 - 7	5 - 7	5 - 7	3 - 5	3 - 5	6 - 8	6 - 8	5.5 - 6	13 - 15	13 - 15	15 - 17	17 - 19	4 - 6	6 - 8	8 - 10	17 - 19
Parameter / Date Collected:	12/18/03	12/17/03	12/12/03	12/11/03	12/16/03	01/05/04	12/16/03	01/05/04	01/14/04	01/27/04	02/11/04	01/27/04	01/27/04	01/28/04	01/28/04	01/28/04	01/22/04
Volatile Organics																	
1,1,1-Trichloroethane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
1,1,2,2-Tetrachloroethane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
1,1,2-Trichloroethane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
1,1-Dichloroethane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
1,1-Dichloroethene	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
1,2 Dichloroethane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
1,2,4 Trichlorobenzene	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
1,2-Dibromo-3-chloropropane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
1,2-Dibromoethane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
1,2-Dichloropropane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
1,3-Dichlorobenzene	0.011	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
1,4-Dichlorobenzene	0.042	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
2-Butanone	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
2-Hexanone	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
4-Methyl-2-pentanone	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Acetone	0.015 J	ND(0.032)	ND(0.059)	ND(0.032)	NA	ND(0.032)	NA	ND(0.029)	NA	NA	ND(0.035)	ND(0.029)	ND(0.034)	ND(0.037)	ND(0.027)	ND(0.030)	ND(0.029)
Benzene	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Bromodichloromethane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Bromoform	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Bromomethane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Carbon Disulfide	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Carbon Tetrachloride	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Chlorobenzene	0.040	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Chloroethane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Chloroform	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Chloromethane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
cis-1,2-Dichloroethene	0.020	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
cis-1,3-Dichloropropene	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Cyclohexane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Dibromochloromethane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Dichlorodifluoromethane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Ethylbenzene	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Isopropylbenzene	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Methyl acetate	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Methyl tert butyl ether	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	0.0010 J	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Methylcyclohexane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Methylene Chloride	0.0060 J	ND(0.011)	0.013 J	ND(0.011)	NA	0.010 BJ	NA	0.0080 BJ	NA	NA	ND(0.012)	0.0050 J	0.010 J	0.0070 J	0.0040 J	0.0040 J	0.0060 J
Styrene	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Tetrachloroethene	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Toluene	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
trans-1,2-Dichloroethene	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
trans-1,3-Dichloropropene	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Trichloroethene	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	0.0010 J	ND(0.010)	ND(0.010)
Trichlorofluoromethane	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Vinyl acetate	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	NA	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Vinyl chloride	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)
Xylenes,Total	ND(0.010)	ND(0.011)	ND(0.020)	ND(0.011)	NA	ND(0.011)	NA	ND(0.010)	NA	NA	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)

TABLE 12
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SUB-SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	MSSB-E13 6 - 8 12/16/03	MSSB-E15 5 - 7 12/17/03	MSSB-F07 5 - 7 12/12/03	MSSB-G01 5 - 7 12/11/03	MSSB-G03 3 - 5 12/16/03	MSSB-G03 3 - 5 01/05/04	MSSB-G05 6 - 8 12/16/03	MSSB-G05 6 - 8 01/05/04	MW-22A 5.5 - 6 01/14/04	MW-22A 13 - 15 01/27/04	MW-22A 13 - 15 02/11/04	MW-22A 15 - 17 01/27/04	MW-22A 17 - 19 01/27/04	MW-22B 4 - 6 01/28/04	MW-22B 6 - 8 01/28/04	MW-22B 8 - 10 01/28/04	MW-23A 17 - 19 01/22/04
Semivolatile Organics																	
2,2'-Oxybis(1-Chloropropane)	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
2,4,5-Trichlorophenol	ND(0.94)	ND(0.88)	ND(0.86)	ND(10)	ND(0.90)	ND(0.90)	ND(0.90)	ND(0.86)	NA	ND(0.92)	NA	ND(0.94)	ND(0.91)	ND(1.0)	ND(0.98)	ND(0.89)	ND(0.91)
2,4,6-Trichlorophenol	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
2,4-Dichlorophenol	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
2,4-Dimethylphenol	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
2,4-Dinitrophenol	ND(1.7)	ND(1.5)	ND(1.5)	ND(18)	ND(1.6)	ND(1.6)	ND(1.6)	ND(1.5)	NA	ND(1.6)	NA	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)	ND(1.6)	ND(1.6)
2,4-Dinitrotoluene	ND(0.38)	ND(0.35)	0.46	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
2,6-Dinitrotoluene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
2-Chloronaphthalene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
2-Chlorophenol	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
2-Methylnaphthalene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
2-Methylphenol	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
2-Nitroaniline	ND(0.94)	ND(0.88)	ND(0.86)	ND(10)	ND(0.90)	ND(0.90)	ND(0.90)	ND(0.86)	NA	ND(0.92)	NA	ND(0.94)	ND(0.91)	ND(1.0)	ND(0.98)	ND(0.89)	ND(0.91)
2-Nitrophenol	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
3,3'-Dichlorobenzidine	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
3-Nitroaniline	ND(0.94)	ND(0.88)	ND(0.86)	ND(10)	ND(0.90)	ND(0.90)	ND(0.90)	ND(0.86)	NA	ND(0.92)	NA	ND(0.94)	ND(0.91)	ND(1.0)	ND(0.98)	ND(0.89)	ND(0.91)
4,6-Dinitro-2-methylphenol	ND(0.94)	ND(0.88)	ND(0.86)	ND(10)	ND(0.90)	ND(0.90)	ND(0.90)	ND(0.86)	NA	ND(0.92)	NA	ND(0.94)	ND(0.91)	ND(1.0)	ND(0.98)	ND(0.89)	ND(0.91)
4-Bromophenyl phenyl ether	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
4-Chloro-3-methylphenol	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
4-Chloroaniline	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
4-Chlorophenyl phenyl ether	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
4-Methylphenol	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
4-Nitroaniline	ND(0.94)	ND(0.88)	ND(0.86)	ND(10)	ND(0.90)	ND(0.90)	ND(0.90)	ND(0.86)	NA	ND(0.92)	NA	ND(0.94)	ND(0.91)	ND(1.0)	ND(0.98)	ND(0.89)	ND(0.91)
4-Nitrophenol	ND(0.94)	ND(0.88)	ND(0.86)	ND(10)	ND(0.90)	ND(0.90)	ND(0.90)	ND(0.86)	NA	ND(0.92)	NA	ND(0.94)	ND(0.91)	ND(1.0)	ND(0.98)	ND(0.89)	ND(0.91)
Acenaphthene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Acenaphthylene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Acetophenone	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Anthracene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Atrazine	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Benzaldehyde	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Benzo(a)anthracene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Benzo(a)pyrene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Benzo(b)fluoranthene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Benzo(g,h,i)perylene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Benzo(k)fluoranthene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Biphenyl	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Bis(2-chloroethoxy) methane	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Bis(2-chloroethyl) ether	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
bis(2-Ethylhexyl)phthalate	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	0.16 J	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Butyl benzyl phthalate	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Caprolactam	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Carbazole	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Chrysene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Di-n-Butylphthalate	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Di-n-Octylphthalate	ND(0.51)	ND(0.47)	ND(0.46)	ND(5.5)	ND(0.48)	ND(0.48)	ND(0.48)	ND(0.46)	NA	ND(0.50)	NA	ND(0.51)	ND(0.49)	ND(0.55)	ND(0.52)	ND(0.48)	ND(0.49)
Dibenz(a,h)anthracene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Dibenzofuran	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Diethyl phthalate	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Dimethyl phthalate	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Fluoranthene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	0.20 J	ND(0.36)	ND(0.36)
Fluorene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Hexachlorobenzene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Hexachlorobutadiene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Hexachlorocyclopentadiene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Hexachloroethane	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Indeno(1,2,3-c,d)pyrene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Isophorone	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
N-Nitroso-Di-n-propylamine	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
N-Nitrosodiphenylamine (1)	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)

TABLE 12
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SUB-SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	MSSB-E13 6 - 8 12/18/03	MSSB-E15 5 - 7 12/17/03	MSSB-F07 5 - 7 12/12/03	MSSB-G01 5 - 7 12/11/03	MSSB-G03 3 - 5 12/16/03	MSSB-G03 3 - 5 01/05/04	MSSB-G05 6 - 8 12/16/03	MSSB-G05 6 - 8 01/05/04	MW-22A 5.5 - 6 01/14/04	MW-22A 13 - 15 01/27/04	MW-22A 13 - 15 02/11/04	MW-22A 15 - 17 01/27/04	MW-22A 17 - 19 01/27/04	MW-22B 4 - 6 01/28/04	MW-22B 6 - 8 01/28/04	MW-22B 8 - 10 01/28/04	MW-23A 17 - 19 01/22/04
Naphthalene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	0.24 J	ND(0.36)	ND(0.36)
Nitrobenzene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Pentachlorophenol	ND(0.94)	ND(0.88)	ND(0.86)	ND(10)	ND(0.90)	ND(0.90)	ND(0.90)	ND(0.86)	NA	ND(0.92)	NA	ND(0.94)	ND(0.91)	ND(1.0)	ND(0.98)	ND(0.89)	ND(0.91)
Phenanthrene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	0.12 J	ND(0.36)	ND(0.36)
Phenol	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	ND(0.39)	ND(0.36)	ND(0.36)
Pyrene	ND(0.38)	ND(0.35)	ND(0.34)	ND(4.1)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.34)	NA	ND(0.37)	NA	ND(0.38)	ND(0.36)	ND(0.41)	0.17 J	ND(0.36)	ND(0.36)
Miscellaneous Parameters																	
Total Organic Carbon	NA	NA	NA	NA	NA	NA	NA	NA	3900	1220	NA	661	781	6680	9670	1450	1140

TABLE 12
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SUB-SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	MW-23A	MW-23A	MW-23B	MW-23B	MW-23B	MW-23B	MW-24A	MW-24A	MW-24A	MW-24A	MW-24B	MW-24B	MW-24B
Sample Depth(Feet):	*19 - 21*	*21 - 23*	*9 - 11*	*11 - 13*	*13 - 15*	*19 - 21*	*9 - 11*	*17 - 19*	*19 - 21*	*21 - 23*	*9 - 11*	*11 - 13*	*13 - 15*
Parameter Date Collected:	01/22/04	01/22/04	01/26/04	01/26/04	01/26/04	01/26/04	01/06/04	01/06/04	01/06/04	01/06/04	01/07/04	01/07/04	01/08/04
Volatile Organics													
1,1,1-Trichloroethane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,1,2,2-Tetrachloroethane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,1,2-Trichloroethane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,1-Dichloroethane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,1-Dichloroethene	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,2 Dichloroethane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,2,4 Trichlorobenzene	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	0.0070 J	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dibromo-3-chloropropane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dibromoethane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dichloropropane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,3-Dichlorobenzene	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,4-Dichlorobenzene	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Butanone	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Hexanone	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
4-Methyl-2-pentanone	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	ND(0.028)	ND(0.041)	ND(0.030)	ND(0.030)	ND(0.034)	NA	NA	ND(0.035)	ND(0.028)	ND(0.031)	ND(0.031)	ND(0.032)	ND(0.031)
Benzene	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Bromodichloromethane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Bromoform	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Bromomethane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Carbon Disulfide	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Carbon Tetrachloride	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Chlorobenzene	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Chloroethane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Chloroform	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Chloromethane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
cis-1,2-Dichloroethene	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
cis-1,3-Dichloropropene	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Cyclohexane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Dibromochloromethane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Dichlorodifluoromethane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Ethylbenzene	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Isopropylbenzene	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Methyl acetate	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Methyl tert butyl ether	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	0.0040 J
Methylcyclohexane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Methylene Chloride	0.0050 J	0.0080 J	0.0060 J	0.0070 J	0.0070 J	NA	NA	ND(0.018)	ND(0.0090)	0.033	ND(0.010)	ND(0.010)	ND(0.011)
Styrene	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Tetrachloroethene	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Toluene	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
trans-1,2-Dichloroethene	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
trans-1,3-Dichloropropene	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Trichloroethene	*ND(0.010)*	*ND(0.014)*	*ND(0.010)*	*ND(0.010)*	*0.0070 J*	NA	NA	*ND(0.012)*	*ND(0.0090)*	*ND(0.010)*	*ND(0.010)*	*ND(0.010)*	*ND(0.010)*
Trichlorofluoromethane	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Vinyl acetate	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Vinyl chloride	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Xylenes,Total	ND(0.010)	ND(0.014)	ND(0.010)	ND(0.010)	ND(0.011)	NA	NA	ND(0.012)	ND(0.0090)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)

TABLE 12
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SUB-SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	MW-23A 19 - 21 01/22/04	MW-23A 21 - 23 01/22/04	MW-23B 9 - 11 01/26/04	MW-23B 11 - 13 01/26/04	MW-23B 13 - 15 01/26/04	MW-23B 19 - 21 01/26/04	MW-24A 9 - 11 01/06/04	MW-24A 17 - 19 01/06/04	MW-24A 19 - 21 01/06/04	MW-24A 21 - 23 01/06/04	MW-24B 9 - 11 01/07/04	MW-24B 11 - 13 01/07/04	MW-24B 13 - 15 01/08/04
Semivolatile Organics													
2,2'-Oxybis(1-Chloropropane)	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
2,4,5-Trichlorophenol	NA	ND(0.97)	ND(0.98)	ND(0.88)	ND(0.95)	ND(0.98)	NA	ND(0.93)	ND(0.90)	ND(0.87)	ND(0.93)	ND(1.0)	ND(0.88)
2,4,6-Trichlorophenol	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
2,4-Dichlorophenol	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
2,4-Dimethylphenol	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
2,4-Dinitrophenol	NA	ND(1.7)	ND(1.7)	ND(1.6)	ND(1.7)	ND(1.7)	NA	ND(1.6)	ND(1.6)	ND(1.5)	ND(1.6)	ND(1.8)	ND(1.5)
2,4-Dinitrotoluene	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
2,6-Dinitrotoluene	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
2-Chloronaphthalene	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
2-Chlorophenol	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
2-Methylnaphthalene	NA	ND(0.38)	0.16 J	0.91	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
2-Methylphenol	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
2-Nitroaniline	NA	ND(0.97)	ND(0.98)	ND(0.88)	ND(0.95)	ND(0.98)	NA	ND(0.93)	ND(0.90)	ND(0.87)	ND(0.93)	ND(1.0)	ND(0.88)
2-Nitrophenol	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
3,3'-Dichlorobenzidine	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
3-Nitroaniline	NA	ND(0.97)	ND(0.98)	ND(0.88)	ND(0.95)	ND(0.98)	NA	ND(0.93)	ND(0.90)	ND(0.87)	ND(0.93)	ND(1.0)	ND(0.88)
4,6-Dinitro-2-methylphenol	NA	ND(0.97)	ND(0.98)	ND(0.88)	ND(0.95)	ND(0.98)	NA	ND(0.93)	ND(0.90)	ND(0.87)	ND(0.93)	ND(1.0)	ND(0.88)
4-Bromophenyl phenyl ether	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
4-Chloro-3-methylphenol	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
4-Chloroaniline	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
4-Chlorophenyl phenyl ether	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
4-Methylphenol	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
4-Nitroaniline	NA	ND(0.97)	ND(0.98)	ND(0.88)	ND(0.95)	ND(0.98)	NA	ND(0.93)	ND(0.90)	ND(0.87)	ND(0.93)	ND(1.0)	ND(0.88)
4-Nitrophenol	NA	ND(0.97)	ND(0.98)	ND(0.88)	ND(0.95)	ND(0.98)	NA	ND(0.93)	ND(0.90)	ND(0.87)	ND(0.93)	ND(1.0)	ND(0.88)
Acenaphthene	NA	ND(0.38)	ND(0.39)	0.36	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Acenaphthylene	NA	ND(0.38)	0.18 J	1.1	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Acetophenone	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Anthracene	NA	ND(0.38)	0.22 J	1.5	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Atrazine	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Benzaldehyde	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Benzo(a)anthracene	NA	ND(0.38)	0.32 J	2.6	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Benzo(a)pyrene	NA	ND(0.38)	0.24 J	1.7	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Benzo(b)fluoranthene	NA	ND(0.38)	0.26 J	1.7	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Benzo(g,h,i)perylene	NA	ND(0.38)	ND(0.39)	0.76	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Benzo(k)fluoranthene	NA	ND(0.38)	0.19 J	1.5	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Biphenyl	NA	ND(0.38)	ND(0.39)	0.18 J	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Bis(2-chloroethoxy) methane	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Bis(2-chloroethyl) ether	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
bis(2-Ethylhexyl)phthalate	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Butyl benzyl phthalate	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Caprolactam	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Carbazole	NA	ND(0.38)	0.15 J	0.96	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Chrysene	NA	ND(0.38)	0.32 J	2.5	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Di-n-Butylphthalate	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Di-n-Octylphthalate	NA	ND(0.52)	ND(0.52)	ND(0.48)	ND(0.51)	ND(0.53)	NA	ND(0.50)	ND(0.48)	ND(0.47)	ND(0.50)	ND(0.55)	ND(0.47)
Dibenz(a,h)anthracene	NA	ND(0.38)	ND(0.39)	0.33 J	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Dibenzofuran	NA	ND(0.38)	0.14 J	0.79	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Diethyl phthalate	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Dimethyl phthalate	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Fluoranthene	NA	ND(0.38)	0.77	5.4	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Fluorene	NA	ND(0.38)	0.22 J	1.4	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Hexachlorobenzene	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Hexachlorobutadiene	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Hexachlorocyclopentadiene	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Hexachloroethane	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Indeno(1,2,3-c,d)pyrene	NA	ND(0.38)	ND(0.39)	0.81	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Isophorone	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
N-Nitroso-Di-n-propylamine	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
N-Nitrosodiphenylamine (1)	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)

TABLE 12
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SUB-SURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID: *Sample Depth(Feet):* Parameter Date Collected:	MW-23A *19 - 21* 01/22/04	MW-23A *21 - 23* 01/22/04	MW-23B *9 - 11* 01/26/04	MW-23B *11 - 13* 01/26/04	MW-23B *13 - 15* 01/26/04	MW-23B *19 - 21* 01/26/04	MW-24A *9 - 11* 01/06/04	MW-24A *17 - 19* 01/06/04	MW-24A *19 - 21* 01/06/04	MW-24A *21 - 23* 01/06/04	MW-24B *9 - 11* 01/07/04	MW-24B *11 - 13* 01/07/04	MW-24B *13 - 15* 01/08/04
Naphthalene	NA	ND(0.38)	0.14 J	0.93	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Nitrobenzene	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Pentachlorophenol	NA	ND(0.97)	ND(0.98)	ND(0.88)	ND(0.95)	ND(0.98)	NA	ND(0.93)	ND(0.90)	ND(0.87)	ND(0.93)	ND(1.0)	ND(0.88)
Phenanthrene	NA	ND(0.38)	1.2	7.4	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Phenol	NA	ND(0.38)	ND(0.39)	ND(0.35)	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Pyrene	NA	ND(0.38)	0.61	4.7	ND(0.38)	ND(0.39)	NA	ND(0.37)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.40)	ND(0.35)
Miscellaneous Parameters													
Total Organic Carbon	1000	1660	12900	5050	1760	NA	6860	1200	1130	865	4360	3830	2440

TABLE 12
SUMMARY OF PDI NON-PCB SAMPLE DATA - MILL STREET AREA SUBSURFACE SOILS

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to Severn Trent Laboratories, Inc. for analysis of VOCs, SVOCs and Total Organic Carbon.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Field duplicate sample results are presented in brackets.
4. In the areas where temporary cover materials have been placed (e.g., geotextile and soil cover), the 0- to 1-foot surface soil sampling interval will begin at the depth *of the geotextile installed by EPA, which is considered to represent the boundary between clean barrier soils and native Site soils.*

Data Qualifiers:

J - The compound was positively identified; however, the associated numerical value is an estimated concentration only.

TABLE 13
COMPARISON OF PDI AND EPA PCB SOIL SPLIT-SAMPLE DATA

PRE-DESIGN REPORT
FLETCHER'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NH
(Results are presented in parts per million, ppm)

SAMPLE ID	DEPTH (feet)	DATE	DATA SOURCE	AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	TOTAL PCBs
ELM STREET											
ESSB-I06	0-1	2/10/2004	GE	*ND(4.3) [ND(0.014)]*	*ND(4.3) [ND(0.014)]*	*ND(4.3) [ND(0.014)]*	*ND(4.3) [ND(0.014)]*	*64 [170 J]*	*ND(4.3) [ND(0.014)]*	*ND(4.3) [ND(0.014)]*	*64 [170 J]*
			EPA	ND(6.60)	ND(6.60)	ND(6.60)	ND(6.60)	220	ND(6.60)	ND(6.60)	220
ESSB-I06	1-3	2/10/2004	GE	ND(130)	ND(130)	ND(130)	ND(130)	1,300	ND(130)	ND(130)	1,300
			EPA	ND(6.90)	ND(6.90)	ND(6.90)	ND(6.90)	890	ND(6.90)	ND(6.90)	890
ESSB-I06	3-5	2/10/2004	GE	ND(0.93)	ND(0.93)	ND(0.93)	ND(0.93)	17	ND(0.93)	ND(0.93)	17
			EPA	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.012)	26	ND(0.012)	ND(0.012)	26
ESSB-I06	5-7	2/10/2004	GE	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	21	ND(1.1)	ND(1.1)	21
			EPA	ND(6.10)	ND(6.10)	ND(6.10)	ND(6.10)	460	ND(6.10)	ND(6.10)	460
ESSB-I06	7-9	2/10/2004	GE	ND(24)	ND(24)	ND(24)	ND(24)	310	ND(24)	ND(24)	310
			EPA	ND(6.30)	ND(6.30)	ND(6.30)	ND(6.30)	250	ND(6.30)	ND(6.30)	250
ESSB-I06	9-11	2/10/2004	GE	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.18 J	ND(0.036)	ND(0.036)	0.18 J
			EPA	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0062)	0.16	ND(0.0062)	ND(0.0062)	0.16
ESSB-I06	11-13	2/10/2004	GE	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	1.4	ND(0.17)	ND(0.17)	1.4
			EPA	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0058)	0.51	ND(0.0058)	ND(0.0058)	0.51
ESSB-I06	13-15	2/10/2004	GE	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.15 J	ND(0.038)	ND(0.038)	0.15 J
			EPA	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0064)	0.12	ND(0.0064)	ND(0.0064)	0.12
ESSB-M08	0-1	2/3/2004	GE	ND(3.1)	ND(3.1)	ND(3.1)	ND(3.1)	57 JEB	ND(3.1)	ND(3.1)	57 JEB
			EPA	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	28	ND(0.43)	ND(0.43)	28
ESSB-M08	1-3	2/3/2004	GE	ND(0.46)	ND(0.46)	ND(0.46)	ND(0.46)	7.2 EB	ND(0.46)	ND(0.46)	7.2 EB
			EPA	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	6.1	ND(0.063)	ND(0.063)	6.1
ESSB-M08	3-5	2/3/2004	GE	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.079 EB	ND(0.037)	ND(0.037)	0.079 EB
			EPA	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0065)	0.11	ND(0.0065)	ND(0.0065)	0.11
ESSB-M08	5-7	2/3/2004	GE	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*ND(0.036)*	*0.080 EB*	*ND(0.036)*	*ND(0.036)*	*0.080 EB*
			EPA	ND(0.0061)	ND(0.0061)	ND(0.0061)	ND(0.0061)	0.075	ND(0.0061)	ND(0.0061)	0.075
ESSB-M08	7-9	2/3/2004	GE	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.035 JEB	ND(0.036)	ND(0.036)	0.035 JEB
			EPA	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0064)	0.11	ND(0.0064)	ND(0.0064)	0.11
ESSB-M08	9-11	2/3/2004	GE	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
			EPA	ND(0.0061) UJ	ND(0.0061) UJ	ND(0.0061) UJ	ND(0.0061) UJ	0.030 J(8)	ND(0.0061) UJ	ND(0.0061) UJ	0.030 J(8)
ESSB-M08	11-13	2/3/2004	GE	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
			EPA	ND(0.006) UJ	ND(0.006) UJ	ND(0.006) UJ	ND(0.006) UJ	0.033 J(8)	ND(0.006) UJ	ND(0.006) UJ	0.033 J(8)
ESSB-M08	13-15	2/3/2004	GE	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
			EPA	ND(0.013) UJ	ND(0.013) UJ	ND(0.013) UJ	ND(0.013) UJ	ND(0.013) UJ	ND(0.013) UJ	ND(0.013) UJ	ND(0.013) UJ
ESSB-M08	15-16	2/3/2004	GE	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
			EPA	ND(0.014) UJ	ND(0.014) UJ	ND(0.014) UJ	ND(0.014) UJ	ND(0.014) UJ	ND(0.014) UJ	ND(0.014) UJ	ND(0.014) UJ
ESSB-M08	20-22	2/3/2004	GE	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.024 J	ND(0.039)	ND(0.039)	0.024 J
			EPA	ND(0.0067) UJ	ND(0.0067) UJ	ND(0.0067) UJ	ND(0.0067) UJ	0.027 J(8)	ND(0.0067) UJ	ND(0.0067) UJ	0.027 J(8)
ESSB-M14/MW-26A	0-1	12/22/2003	GE	ND(380)	ND(380)	ND(380)	ND(380)	890	ND(380)	ND(380)	890
			EPA	ND (6)	ND (6)	ND (6)	ND (6)	680	ND (6)	ND (6)	680
ESSB-M14/MW-26A	1-3	12/22/2003	GE	ND(200)	ND(200)	ND(200)	ND(200)	84 J	ND(200)	ND(200)	84 J
			EPA	ND(0.63)	ND(0.63)	ND(0.63)	ND(0.63)	81	ND(0.63)	ND(0.63)	81
ESSB-M14/MW-26A	3-5	12/22/2003	GE	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	5.7	3.7	ND(0.73)	9.4
			EPA	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	9.6	5.8	ND(0.058)	15
ESSB-M14/MW-26A	7-9	12/22/2003	GE	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	21	ND(3.8)	ND(3.8)	21
			EPA	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	26	ND(0.058)	ND(0.058)	26
ESSB-M14/MW-26A	9-11	12/22/2003	GE	*ND(0.074) [ND(3.8)]*	*ND(0.074) [ND(3.8)]*	*ND(0.074) [ND(3.8)]*	*ND(0.074) [ND(3.8)]*	*0.74 J [19 J]*	*ND(0.074) [ND(3.8)]*	*ND(0.074) [ND(3.8)]*	*0.74 J [19 J]*
			EPA	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.006)	0.48	ND(0.006)	ND(0.006)	0.48
ESSB-M14/MW-26A	11-13	12/22/2003	GE	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.39	ND(0.038)	ND(0.038)	0.39
			EPA	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0062)	0.42	ND(0.0062)	ND(0.0062)	0.42
ESSB-M14/MW-26A	13-15	12/22/2003	GE	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	2.8	ND(0.73)	ND(0.73)	2.8
			EPA	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.013)	1.7 J(8)	ND(0.013)	0.073 J(8)	1.7 J(8)
ESSB-M14/MW-26A	16-18	12/22/2003	GE	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.14	0.094	ND(0.046)	0.24
			EPA	ND(0.0074)	ND(0.0074)	ND(0.0074)	ND(0.0074)	0.14	ND(0.0074)	0.018	0.16
ESSB-M14/MW-26A	18-20	12/22/2003	GE	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.14	0.12	ND(0.043)	0.25
			EPA	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0069)	0.12	ND(0.0069)	ND(0.0069)	0.12
ESSB-M14/MW-26A	20-22	12/22/2003	GE	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.025 J	0.027 J	ND(0.041)	0.051
			EPA	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0065)
ESSB-Q12 (See Notes 5, 10)	0-1	1/29/2004	GE	ND(160)	ND(160)	ND(160)	ND(160)	3,000	ND(160)	ND(160)	3,000
			EPA	ND(6.1)	ND(6.1)	ND(6.1)	ND(6.1)	1,000	ND(6.1)	ND(6.1)	1,000
ESSB-Q12 (See Notes 5, 10)	1-2	1/29/2004	GE	ND(12)	ND(12)	ND(12)	ND(12)	150	92	ND(12)	240
			EPA	ND(5.8)	ND(5.8)	ND(5.8)	ND(5.8)	140	ND(5.8)	ND(5.8)	140
ESSB-Q12 (See Notes 5, 10)	2-4	1/29/2004	GE	ND(11)	ND(11)	ND(11)	ND(11)	130	ND(11)	ND(11)	130
			EPA	ND(3.1)	ND(3.1)	ND(3.1)	ND(3.1)	34	ND(3.1)	ND(3.1)	34
ESSB-Q12 (See Notes 5, 10)	4-6	1/29/2004	GE	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.043	0.033 J	ND(0.037)	0.076
			EPA	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0058)	0.53	0.24	ND(0.0058)	0.77
ESSB-Q12 (See Notes 5, 10)	6-8	1/29/2004	GE	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	1.8	0.88	ND(0.23)	2.6
			EPA	ND(0.026)	ND(0.026)	ND(0.026)	ND(0.026)	1.6	ND(0.026)	ND(0.026)	1.6
ESSB-Q12 (See Notes 5, 10)	8-10	1/29/2004	*GE*	*ND(0.044)*	*ND(0.044)*	*ND(0.044)*	*ND(0.044)*	*0.13*	*0.055*	*ND(0.044)*	*0.19*
			EPA	ND(0.0068)	ND(0.0068)	ND(0.0068)	ND(0.0068)	0.15	0.059	ND(0.0068)	0.21
ESSB-Q12 (See Notes 5, 10)	10-12	1/29/2004	GE	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.094	ND(0.034)	ND(0.034)	0.094
			EPA	ND(0.0057)	ND(0.0057)	ND(0.0057)	ND(0.0057)	0.13	ND(0.0057)	ND(0.0057)	0.13

See Notes on Page 2

TABLE 13
COMPARISON OF PDI AND EPA PCB SOIL SPLIT-SAMPLE DATA

PRE-DESIGN REPORT
FLETCHER'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NH
(Results are presented in parts per million, ppm)

SAMPLE ID	DEPTH (feet)	DATE	DATA SOURCE	AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	TOTAL PCBs
ELM STREET (continued)											
ESSB-Q12 (See Notes 5, 10)	12-14	1/29/2004	GE	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.012 J	ND(0.043)	ND(0.043)	0.012 J
			EPA	ND(0.0064)	ND(0.0064)	ND(0.0064)	0.068	ND(0.0064)	ND(0.0064)	ND(0.0064)	0.068
ESSB-Q12 (See Notes 5, 10)	14-16	1/29/2004	GE	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.17	0.18	ND(0.041)	0.34
			EPA	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0069)	0.22	0.19	ND(0.0069)	0.41
ESSB-Q12 (See Notes 5, 10)	16-18	1/29/2004	GE	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.029 J	0.043	ND(0.043)	0.072
			EPA	ND(0.0077)	ND(0.0077)	ND(0.0077)	ND(0.0077)	ND(0.0077)	ND(0.0077)	ND(0.0077)	ND(0.0077)
ESSB-Q12 (See Notes 5, 10)	18-20	1/29/2004	GE	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.14	0.065	ND(0.038)	0.20
			EPA	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0064)	0.12	0.064	ND(0.0064)	0.18
ESSB-Q12 (See Notes 5, 10)	20-22	1/29/2004	GE	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.020 J	ND(0.044)	ND(0.044)	0.020 J
			EPA	ND(0.0072)	ND(0.0072)	ND(0.0072)	0.049	ND(0.0072)	ND(0.0072)	ND(0.0072)	0.049
MILL STREET											
MSSB-C13	0-1	1/8/2004	GE	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	1.4	ND(0.18)	ND(0.18)	1.4
			EPA	ND(0.029)	ND(0.029)	ND(0.029)	ND(0.029)	2.1	ND(0.029)	ND(0.029)	2.1
MSSB-C13	1-3	1/8/2004	GE	ND(37)	ND(37)	ND(37)	ND(37)	100	ND(37)	ND(37)	100
			EPA	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	620	67	ND(0.33)	690
MSSB-C13	3-5	1/8/2004	GE	ND(35)	ND(35)	ND(35)	ND(35)	ND(35)	58	ND(35)	58
			EPA	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.29)	28	37	ND(0.29)	65
MSSB-C13	5-7	1/8/2004	GE	ND(720)	ND(720)	ND(720)	ND(720)	ND(720)	2,300	ND(720)	2,300
			EPA	ND(13)	ND(13)	ND(13)	ND(13)	1,400	2,100	ND(13)	3,500
MSSB-C13	7-9	1/8/2004	GE	ND(39)	ND(39)	ND(39)	ND(39)	ND(39)	47	ND(39)	47
			EPA	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	19	22	ND(0.13)	41
MSSB-C13	9-11	1/8/2004	GE	ND(0.37) [ND(0.072)]	ND(0.37) [ND(0.072)]	ND(0.37) [ND(0.072)]	ND(0.37) [ND(0.072)]	0.73 [0.51]	0.56 [0.40]	ND(0.37) [ND(0.072)]	1.3 [0.92]
			EPA	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	0.86	0.5	ND(0.025)	1.4
MSSB-C13	11-13	1/8/2004	GE	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	9.9	7.5	ND(1.9)	17
			EPA	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	8.8	3.7	ND(0.13)	13
MSSB-C13	13-15	1/8/2004	GE	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	1.4	0.88	ND(0.39)	2.3
			EPA	ND(0.025)	ND(0.025)	ND(0.025)	1	ND(0.025)	0.48	ND(0.025)	1.5
MSSB-C13	15-17	1/8/2004	GE	ND(39)	ND(39)	ND(39)	ND(39)	94	63	ND(39)	160
			EPA	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	40	37	ND(0.33)	77
MSSB-C13	17-18.7	1/8/2004	GE	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	6.9	4.8	ND(1.8)	12
			EPA	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	5.4	2.4	ND(0.062)	7.8
MSMW-23A	17-19	1/22/2004	GE	ND(0.037)	ND(0.037)	ND(0.037)	0.051	ND(0.037)	ND(0.037)	ND(0.037)	0.051
			EPA	ND(0.0063) UJ	ND(0.0063) UJ	ND(0.0063) UJ	ND(0.0063) UJ	0.063 J(8)	ND(0.0063) UJ	ND(0.0063) UJ	0.063 J(8)
MSMW-23A	21-23	1/22/2004	GE	ND(0.039)	ND(0.039)	ND(0.039)	0.071	ND(0.039)	ND(0.039)	ND(0.039)	0.071
			EPA	ND(0.0066) UJ	ND(0.0066) UJ	ND(0.0066) UJ	ND(0.0066) UJ	0.064 J(8)	ND(0.0066) UJ	ND(0.0066) UJ	0.064 J(8)
MSMW-23B	9-11	1/26/2004	GE	ND(0.039)	ND(0.039)	ND(0.039)	0.062	ND(0.039)	ND(0.039)	ND(0.039)	0.062
			EPA	ND(0.0063)	ND(0.0063)	ND(0.0063)	ND(0.0063)	0.1	ND(0.0063)	ND(0.0063)	0.1
MSMW-23B	11-13	1/26/2004	GE	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
			EPA	ND(0.0059)	ND(0.0059)	ND(0.0059)	ND(0.0059)	ND(0.0059)	ND(0.0059)	ND(0.0059)	ND(0.0059)
MSMW-23B	13-15	1/26/2004	GE	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.022 J	ND(0.038)	ND(0.038)	0.022 J
			EPA	ND(0.0064)	ND(0.0064)	ND(0.0064)	0.048	ND(0.0064)	ND(0.0064)	ND(0.0064)	0.048
MSMW-23C	0-1	1/20/2004	GE	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.11	0.072	ND(0.054)	0.19
			EPA	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0067)	0.25	ND(0.0067)	ND(0.0067)	0.25
MSMW-23C	1-3	1/20/2004	GE	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.017 J	ND(0.034)	ND(0.034)	0.017 J
			EPA	*ND(0.0058)*	*ND(0.0058)*	*ND(0.0058)*	*ND(0.0058)*	*ND(0.0058)*	*ND(0.0058)*	*ND(0.0058)*	*ND(0.0058)*
MSMW-23C	3-5	1/20/2004	GE	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]
			EPA	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0058)
MSMW-23C	7-9	1/20/2004	GE	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
			EPA	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0072)
MSMW-23C	15-17	1/20/2004	GE	ND(0.038)	ND(0.038)	ND(0.038)	0.11	ND(0.038)	ND(0.038)	ND(0.038)	0.11
			EPA	ND(0.0065)	ND(0.0065)	ND(0.0065)	0.12	ND(0.0065)	ND(0.0065)	ND(0.0065)	0.12

Notes:
1. GE samples were collected by Blasland, Bouck & Lee, Inc., and submitted to Severn Trent Laboratories, Inc. for analysis of PCBs.
2. EPA Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Woods Hole Group Environmental Laboratories for analysis of PCBs.
3. Field duplicate sample results are presented in brackets.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. EB - The compound was identified in an aqueous equipment blank that was used to assess field contamination associated with soil/sediment samples, its presence in the sample may be suspect.
6. J - Indicates an estimated value less than the practical quantitation limit (PQL).
7. GE sample data increments at ESSB-Q12 were shifted to account for the approximate cap thickness that had been underestimated in the field (i.e., EPA 1-3' = GE 1-2', EPA 3-5' = GE 2-4', etc.) GE's data presented in this table are shown at the same sample depths provided by EPA for comparison purposes.
8. J(8) - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
9. UJ - The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.
10. In the areas where temporary cover materials have been placed (e.g., geotextile and soil cover), the 0- to 1-foot surface soil sampling interval will begin at the depth of the geotextile installed by EPA, which is considered to represent the boundary between clean barrier soils and native Site soils.

TABLE 14
SUMMARY OF TEST PIT SOIL SAMPLE DATA

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	ESTP-03	ESTP-03	ESTP-03	ESTP-04	ESTP-05	MSTP-01	MSTP-02	MSTP-03
Sample Depth(Feet):	0 - 0.5	0.5 - 1	3 - 3.5	0 - 6	0 - 7	0 - 5.5	0 - 5	0 - 6
Parameter Date Collected:	05/19/04	05/19/04	05/19/04	05/19/04	05/19/04	05/17/04	05/17/04	05/17/04
Volatile Organics								
1,1-Dichloroethene	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	NA	ND(0.050)
1,2 Dichloroethane	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	NA	ND(0.050)
2-Butanone	NA	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	NA	ND(0.25)
Benzene	NA	ND(0.050)	0.015 J	ND(0.050)	ND(0.050)	ND(0.050)	NA	ND(0.050)
Carbon Tetrachloride	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	NA	ND(0.050)
Chlorobenzene	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	NA	ND(0.050)
Chloroform	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	NA	ND(0.050)
Tetrachloroethene	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	NA	ND(0.050)
Trichloroethene	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	NA	0.010 J
Vinyl chloride	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	NA	ND(0.050)
Semivolatile Organics								
1,4-Dichlorobenzene	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	NA	ND(0.040)
2,4,5-Trichlorophenol	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	NA	ND(0.040)
2,4,6-Trichlorophenol	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	NA	ND(0.040)
2,4-Dinitrotoluene	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	NA	ND(0.040)
2-Methylphenol	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	NA	ND(0.040)
3-Methylphenol	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	NA	ND(0.040)
4-Methylphenol	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	NA	ND(0.040)
Hexachlorobenzene	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	NA	ND(0.040)
Hexachlorobutadiene	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	NA	ND(0.040)
Hexachloroethane	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	NA	ND(0.040)
Nitrobenzene	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	NA	ND(0.040)
Pentachlorophenol	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NA	ND(0.20)
Pyridine	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	NA	ND(0.10)
Pesticides								
Chlordane	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	ND(0.00050)	NA	ND(0.00050)
Endrin	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	NA	ND(0.000050)
Gamma-BHC	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	NA	ND(0.000050)
Heptachlor	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	NA	ND(0.000050)
Heptachlor Epoxide	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	NA	ND(0.000050)
Methoxychlor	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	ND(0.000050)	NA	ND(0.000050)
Toxaphene	ND(0.0017)	ND(0.0017)	ND(0.0017)	ND(0.0017)	ND(0.0017)	ND(0.0017)	NA	ND(0.0017)
TCLP Herbicides								
2,4,5-TP (Silvex)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	NA	ND(0.0020)
2,4-D	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	NA	ND(0.0020)

TABLE 14
SUMMARY OF TEST PIT SOIL SAMPLE DATA

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per million, ppm)

Sample ID:	ESTP-03	ESTP-03	ESTP-03	ESTP-04	ESTP-05	MSTP-01	MSTP-02	MSTP-03
Sample Depth(Feet):	0 - 0.5	0.5 - 1	3 - 3.5	0 - 6	0 - 7	0 - 5.5	0 - 5	0 - 6
Parameter Date Collected:	05/19/04	05/19/04	05/19/04	05/19/04	05/19/04	05/17/04	05/17/04	05/17/04
PCBs								
Aroclor 1016	ND(180)	ND(8500)	ND(86)	ND(71)	ND(75)	ND(72)	ND(1900)	ND(1800)
Aroclor 1221	ND(180)	ND(8500)	ND(200)	ND(71)	ND(75)	ND(72)	ND(1900)	ND(1800)
Aroclor 1232	ND(180)	ND(8500)	ND(86)	ND(71)	ND(75)	ND(72)	ND(1900)	ND(1800)
Aroclor 1242	ND(180)	38000 B	ND(86)	ND(71)	ND(75)	ND(72)	5700 B	15000 B
Aroclor 1248	1500	ND(8500)	1.0	660 P	510	920	ND(1900)	ND(1800)
Aroclor 1254	ND(180)	ND(8500)	ND(0.13)	380	ND(75)	ND(72)	ND(1900)	ND(1800)
Aroclor 1260	ND(180)	ND(8500)	ND(200)	ND(71)	ND(75)	ND(72)	ND(1900)	ND(1800)
Total PCBs	1500 B	38000 B	1.0 B	1000 B	510 B	920 B	5700 B	15000 B
Inorganics								
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)	0.135	ND(0.0100)	NA	ND(0.0100)
Barium - Total	0.714	0.269	0.132	0.452 N	0.342	0.937	NA	0.324
Cadmium - Total	0.00160	ND(0.00100)	0.0113	0.00130	ND(0.00100)	0.00120	NA	ND(0.00100)
Chromium - Total	0.0992	0.103	6.51	0.00640	ND(0.00400)	0.107	NA	ND(0.00400)
Lead - Total	3.66	0.455	73.3	0.162	0.173	0.372	NA	0.187
Mercury - Total	ND(0.000200) N	0.00110 N	0.00100 N	ND(0.000200) N	ND(0.000200) N	ND(0.000200) N	NA	ND(0.000200) N
Selenium - Total	ND(0.0150)	ND(0.0150)	ND(0.0150)	ND(0.0150)	ND(0.0150)	ND(0.0150)	NA	ND(0.0150)
Silver - Total	ND(0.00300)	ND(0.00300)	ND(0.00300)	ND(0.00300)	ND(0.00300)	ND(0.00300)	NA	ND(0.00300)
Miscellaneous Parameters								
Corrosivity (pH)	7.67	7.11	7.53	7.38	7.23	6.66	NA	5.98
Flashpoint	NA	NA	NA	NA	NA	NA	NA	NA
H2S Released From Waste	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	NA	ND(10.0)
HCN Released From Waste	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	NA	ND(10.0)

TABLE 14
SUMMARY OF TEST PIT SOIL SAMPLE DATA

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to Severn Trent Laboratories, Inc. for analysis of VOCs, SVOCs, Pesticides, TCLP Herbicides, PCBs, Inorganics, and Miscellaneous Parameters.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Field duplicate sample results are presented in brackets.
4. In the areas where temporary cover materials have been placed (e.g., geotextile and soil cover), the 0- to 1-foot surface soil sampling interval will begin at the depth of the geotextile installed by EPA, which is considered to represent the boundary between clean barrier soils and native Site soils.

Data Qualifiers:

B - The compound was found in the sample as well as the associated blank, its presence in the sample may be suspect.
J - The compound was positively identified; however, the associated numerical value is an estimated concentration only.
N - The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns.

TABLE 15
SUMMARY OF BASELINE GROUNDWATER PCB DATA

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per billion, ppb)

Sample ID	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
Elm Street									
MW-01A	2/16/2004	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)
MW-01B	2/16/2004	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)
MW-02AR	2/23/2004	ND(0.065) [ND(0.061)]	ND(0.065) [ND(0.061)]	ND(0.065) [ND(0.061)]	ND(0.065) [ND(0.061)]	0.81 [0.73 P]	ND(0.065) [ND(0.061)]	ND(0.065) [ND(0.061)]	0.81 [0.73]
MW-02B	2/24/2004	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	0.26	ND(0.061)	ND(0.061)	0.26
MW-03A	2/24/2004	ND(0.061)	0.59 P	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	0.59
MW-03B	2/24/2004	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)
MW-04A	2/19/2004	ND(0.13)	1.4 P	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	1.4
MW-04B	2/19/2004	ND(0.062)	ND(0.062)	ND(0.062)	0.043 J	ND(0.062)	ND(0.062)	ND(0.062)	0.043 J
MW-04C	2/19/2004	ND(0.12)	1.4 P	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	1.4
MW-18B	2/19/2004	ND(0.062)	0.76 P	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	0.76
MW-26A	2/24/2004	ND(0.062)	0.75	ND(0.062)	ND(0.062)	1.1 P	ND(0.062)	ND(0.062)	1.8
MW-26B	2/24/2004	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	0.41	ND(0.066)	ND(0.066)	0.41
MW-27A	2/20/2004	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	0.072	ND(0.062)	ND(0.062)	0.072
MW-27B	2/23/2004	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	0.42	ND(0.065)	ND(0.065)	0.42
MW-28A	2/19/2004	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	0.095	ND(0.061)	ND(0.061)	0.095
MW-28B	2/20/2004	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	0.16	ND(0.061)	ND(0.061)	0.16
MW-29B	2/25/2004	ND(0.65) [ND(0.62)]	ND(0.65) [ND(0.62)]	ND(0.65) [ND(0.62)]	6.1 [5.8]	ND(0.65) [ND(0.62)]	ND(0.65) [ND(0.62)]	ND(0.65) [ND(0.62)]	6.1 [5.8]
Mill Street									
MW-07A	2/26/2004	ND(1.2)	ND(1.2)	ND(1.2)	7.3	ND(1.2)	ND(1.2)	ND(1.2)	7.3
MW-09A	2/18/2004	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.12)
MW-09B	2/18/2004	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	0.29	ND(0.061)	ND(0.061)	0.29
MW-21C	2/26/2004	ND(64)	ND(64)	ND(64)	340	ND(64)	ND(64)	ND(64)	340
MW-22A	2/25/2004	ND(0.062)	ND(0.062)	ND(0.062)	0.85	ND(0.062)	ND(0.062)	ND(0.062)	0.85
MW-22B	2/25/2004	ND(0.067)	ND(0.067)	ND(0.067)	1.2	ND(0.067)	ND(0.067)	ND(0.067)	1.2
MW-22C	2/25/2004	ND(0.32)	1.7 P	ND(0.32)	ND(0.32)	ND(0.32)	ND(0.32)	ND(0.32)	1.7
MW-23A	2/13/2004	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	0.84	0.84
MW-23B	2/13/2004	ND(0.64)	7.0	ND(0.64)	ND(0.64)	ND(0.64)	ND(0.64)	2.3	9.3
MW-23C	2/17/2004	55	ND(12)	ND(12)	ND(12)	ND(12)	ND(12)	ND(12)	55
MW-24A	2/12/2004	ND(0.62)	ND(0.62)	ND(0.62)	ND(0.62)	ND(0.62)	ND(0.62)	ND(0.62)	ND(0.62)
MW-24B	2/17/2004	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)
MW-24C	2/17/2004	25	ND(3.1)	ND(3.1)	ND(3.1)	ND(3.1)	ND(3.1)	ND(3.1)	25
Offsite									
MW-05A	2/11/2004	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)
MW-05B	2/11/2004	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	0.054 J	ND(0.066)	ND(0.066)	0.054 J
MW-08A	2/18/2004	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)
MW-08B	2/18/2004	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)
MW-10A	2/10/2004	ND(0.062)	ND(0.062)	ND(0.062)	0.60	ND(0.062)	ND(0.062)	ND(0.062)	0.60
MW-10B	2/11/2004	ND(0.065) [ND(0.062)]	ND(0.065) [ND(0.062)]	ND(0.065) [ND(0.062)]	ND(0.065) [ND(0.062)]	ND(0.065) [ND(0.062)]	ND(0.065) [ND(0.062)]	ND(0.065) [ND(0.062)]	ND(0.065) [ND(0.062)]
MW-10C	2/10/2004	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.062)
MW-11A	2/18/2004	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)
MW-11B	2/18/2004	ND(0.061)	ND(0.061)	ND(0.061)	0.36 P	ND(0.061)	ND(0.061)	ND(0.061)	0.36
MW-25B	2/10/2004	ND(0.062)	ND(0.062)	ND(0.062)	0.22	ND(0.062)	0.095	ND(0.062)	0.31
MW-25C	2/10/2004	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)

TABLE 15
SUMMARY OF BASELINE GROUNDWATER PCB DATA

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per billion, ppb)

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to Severn Trent Laboratories, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Field duplicate sample results are presented in brackets.
4. In the areas where temporary cover materials have been placed (e.g., geotextile and soil cover), the 0- to 1-foot surface soil sampling interval will begin at the depth of the geotextile installed by EPA, which is considered to represent the boundary between clean barrier soils and native Site soils.

Data Qualifiers:

J - The compound was positively identified; however, the associated numerical value is an estimated concentration only.
P - *This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns.*

TABLE 16
SUMMARY OF BASELINE GROUNDWATER NON-PCB DATA

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per billion, ppb)

	ELM STREET AREA WELLS								
Sample ID: / Parameter / Date Collected:	MW-01A 02/16/04	MW-01B 02/16/04	MW-02AR 02/23/04	MW-02B 02/24/04	MW-03A 02/24/04	MW-03B 02/24/04	MW-04A 02/19/04	MW-04B 02/19/04	MW-04C 02/19/04
Volatile Organics									
1,2 Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(400)	ND(2.0)	ND(1.0)	ND(2.0)
1,2,4 Trichlorobenzene	4.6	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	7.8	ND(400)	6.2	ND(1.0)	6.4
Benzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(400)	ND(2.0)	ND(1.0)	ND(2.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	8400	ND(2.0)	ND(1.0)	ND(2.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	3000	ND(2.0)	ND(1.0)	ND(2.0)
Trichloroethene	15	55	ND(1.0) [ND(1.0)]	ND(1.0)	16 D	ND(400)	66	ND(1.0)	65
Inorganics									
Manganese	70.0	18.4	54.0 [53.7]	ND(15.0)	73.1	493	267	42.7	276

	ELM STREET AREA WELLS							
Sample ID: / Parameter / Date Collected:	MW-18B 02/19/04	MW-26A 02/24/04	MW-26B 02/24/04	MW-27A 02/20/04	MW-27B 02/23/04	MW-28A 02/19/04	MW-28B 02/20/04	MW-29B 02/25/04
Volatile Organics								
1,2 Dichloroethane	ND(1.0)	ND(1.0)	0.63 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(1.0) [ND(1.0)]
1,2,4 Trichlorobenzene	4.2	6.5	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(1.0) [ND(1.0)]
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	0.32 J	30	ND(1.0)	ND(5.0)	ND(1.0) [ND(1.0)]
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	13	ND(1.0)	190	ND(1.0) [ND(1.0)]
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.93 J	ND(1.0)	62	ND(1.0) [ND(1.0)]
Trichloroethene	45 D	29 D	3.4	0.90 J	2.2	ND(1.0)	ND(5.0)	24 [23]
Inorganics								
Manganese	161	74.1	142	705	463	82.6	144	24.6 [24.4]

	MILL STREET AREA WELLS												
Sample ID: / Parameter / Date Collected:	MW-07A 02/26/04	MW-09A 02/18/04	MW-09B 02/18/04	MW-21C 02/26/04	MW-22A 02/25/04	MW-22B 02/25/04	MW-22C 02/25/04	MW-23A 02/13/04	MW-23B 02/13/04	MW-23C 02/17/04	MW-24A 02/12/04	MW-24B 02/17/04	MW-24C 02/17/04
Volatile Organics													
1,2 Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(20)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)
1,2,4 Trichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	160	ND(1.0)	ND(1.0)	20	4.4	18	70	3.8	ND(1.0)	44
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(20)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(20)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(20)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)
Trichloroethene	4.8	ND(1.0)	0.29 J	870 D	ND(1.0)	0.80 J	170 D	13	75	180	150	16	69
Inorganics													
Manganese	ND(15.0)	103	304	41.4	30.5	935	132	65.4	200	110	737	297	145

	OFFSITE AREA WELLS										
Sample ID: / Parameter / Date Collected:	MW-05A 02/11/04	MW-05B 02/11/04	MW-08A 02/18/04	MW-08B 02/18/04	MW-10A 02/10/04	MW-10B 02/11/04	MW-10C 02/10/04	MW-11A 02/18/04	MW-11B 02/18/04	MW-25B 02/10/04	MW-25C 02/10/04
Volatile Organics											
1,2 Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.76 J	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.82 J
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	17	ND(1.0) [ND(1.0)]	9.4	0.48 J	ND(1.0)	ND(1.0)	ND(1.0)
Inorganics											
Manganese	ND(15.0)	27.8	48.7	63.9	132	118 [119]	164	282	ND(15.0)	ND(15.0)	22.9

TABLE 16
SUMMARY OF BASELINE GROUNDWATER NON-PCB DATA

PRE-DESIGN INVESTIGATION REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per billion, ppb)

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to Severn Trent Laboratories, Inc. for analysis of VOCs and Inorganics.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Field duplicate sample results are presented in brackets.
4. In the areas where temporary cover materials have been placed (e.g., geotextile and soil cover), the 0- to 1-foot surface soil sampling interval will begin at the depth of the geotextile installed by EPA, which is considered to represent the boundary between clean barrier soils and native Site soils.

Data Qualifiers:

D - Compound quantitated using a secondary dilution.
J - The compound was positively identified; however, the associated numerical value is an estimated concentration only.

TABLE 17
COMPARISON OF PDI AND EPA BASELINE GROUNDWATER PCB AND NON-PCB SPLIT-SAMPLE DATA

PRE-DESIGN INVESTIGATION REPORT
FLETCHER'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NH
(Results are presented in parts per billion, ppb)

		ELM STREET AREA WELLS						
	Sample ID:	MW-02AR	MW-02B	MW-03A	MW-03B	MW-04A	MW-04B	MW-04C
	Parameter / Date Collected:	02/23/04	02/24/04	02/24/04	02/24/04	02/19/04	02/19/04	02/19/04
GE RESULTS	**Volatile Organics**							
	1,2 Dichloroethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(400)	ND(2.0)	ND(1.0)	ND(2.0)
	1,2,4 Trichlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0)	7.8	ND(400)	6.2	ND(1.0)	6.4
	Benzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(400)	ND(2.0)	ND(1.0)	ND(2.0)
	Ethylbenzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	8,400	ND(2.0)	ND(1.0)	ND(2.0)
	Toluene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	3,000	ND(2.0)	ND(1.0)	ND(2.0)
	Trichloroethene	ND(1.0) [ND(1.0)]	ND(1.0)	16 D	ND(400)	66	ND(1.0)	65
	Polychlorinated Biphenyls (PCBs)							
	Aroclor 1016	ND(0.065) [ND(0.061)]	ND(0.061)	ND(0.061)	ND(0.062)	ND(0.13)	ND(0.062)	ND(0.12)
	Aroclor 1221	ND(0.065) [ND(0.061)]	ND(0.061)	0.59 P	ND(0.062)	1.4 P	ND(0.062)	1.4 P
	Aroclor 1232	ND(0.065) [ND(0.061)]	ND(0.061)	ND(0.061)	ND(0.062)	ND(0.13)	ND(0.062)	ND(0.12)
	Aroclor 1242	ND(0.065) [ND(0.061)]	ND(0.061)	ND(0.061)	ND(0.062)	ND(0.13)	0.043 J	ND(0.12)
	Aroclor 1248	0.81 [0.73 P]	0.26	ND(0.061)	ND(0.062)	ND(0.13)	ND(0.062)	ND(0.12)
	Aroclor 1254	ND(0.065) [ND(0.061)]	ND(0.061)	ND(0.061)	ND(0.062)	ND(0.13)	ND(0.062)	ND(0.12)
	Aroclor 1260	ND(0.065) [ND(0.061)]	ND(0.061)	ND(0.061)	ND(0.062)	ND(0.13)	ND(0.062)	ND(0.12)
	Total PCBs	*0.81 [0.73]*	*0.26*	*0.59*	*ND(0.062)*	*1.4*	*0.043 J*	*1.4*
	Inorganics							
	Manganese	54.0 [53.7]	ND(15.0)	73.1	493	267	42.7	276

		ELM STREET AREA WELLS						
	Sample ID:	MW-02AR	MW-02B	MW-03A	MW-03B	MW-04A	MW-04B	MW-04C
	Parameter / Date Collected:	02/23/04	02/24/04	02/24/04	02/24/04	02/19/04	02/19/04	02/19/04
EPA RESULTS	**Volatile Organics**							
	1,2 Dichloroethane	ND (2.0)	ND (2.0)	ND (2.0)	ND (100)	ND (2.0)	ND (2.0)	ND (2.0)
	1,2,4 Trichlorobenzene	ND (2.0)	ND (2.0)	4.7	ND (100)	3.9	ND (2.0)	3.8
	Benzene	ND (2.0)	ND (2.0)	ND (2.0)	ND (100)	ND (2.0)	ND (2.0)	ND (2.0)
	Ethylbenzene	ND (2.0)	ND (2.0)	ND (2.0)	8100	ND (2.0)	ND (2.0)	ND (2.0)
	Toluene	ND (2.0)	ND (2.0)	ND (2.0)	2700	ND (2.0)	ND (2.0)	ND (2.0)
	Trichloroethene	ND (2.0)	ND (2.0)	64	ND (100)	52	ND (2.0)	54
	Polychlorinated Biphenyls (PCBs)							
	Aroclor 1016	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.11)	ND (0.10)
	Aroclor 1221	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.11)	ND (0.10)
	Aroclor 1232	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.11)	ND (0.10)
	Aroclor 1242	0.71	0.28	1.4	0.57	2.0	ND (0.11)	1.3
	Aroclor 1248	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.11)	ND (0.10)
	Aroclor 1254	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.11)	ND (0.10)
	Aroclor 1260	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.11)	ND (0.10)
	Total PCBs	0.71	0.28	1.4	0.57	2.0	ND (0.11)	1.3
	Inorganics							
	Manganese	NA	NA	NA	NA	NA	NA	NA

See notes on Page 3

TABLE 17
COMPARISON OF PDI AND EPA BASELINE GROUNDWATER PCB AND NON-PCB SPLIT-SAMPLE DATA

PRE-DESIGN INVESTIGATION REPORT
FLETCHER'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NH
(Results are presented in parts per billion, ppb)

		ELM STREET AREA WELLS				MILL STREET AREA WELLS		
	Sample ID:	MW-26A	MW-26B	MW-28A	MW-28B	MW-07A	MW-21C	MW-22A
	Parameter / Date Collected:	02/24/04	02/24/04	02/19/04	02/20/04	02/26/04	02/26/04	02/25/04
GE RESULTS	**Volatile Organics**							
	1,2 Dichloroethane	ND(1.0)	0.63 J	ND(1.0)	ND(5.0)	ND(1.0)	ND(20)	ND(1.0)
	1,2,4 Trichlorobenzene	6.5	ND(1.0)	ND(1.0)	ND(5.0)	ND(1.0)	160	ND(1.0)
	Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(20)	ND(1.0)
	Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	190	ND(1.0)	ND(20)	ND(1.0)
	Toluene	ND(1.0)	ND(1.0)	ND(1.0)	62	ND(1.0)	ND(20)	ND(1.0)
	Trichloroethene	29 D	3.4	ND(1.0)	ND(5.0)	4.8	870 D	ND(1.0)
	Polychlorinated Biphenyls (PCBs)							
	Aroclor 1016	ND(0.062)	ND(0.066)	ND(0.061)	ND(0.061)	ND(1.2)	ND(64)	ND(0.062)
	Aroclor 1221	0.75	ND(0.066)	ND(0.061)	ND(0.061)	ND(1.2)	ND(64)	ND(0.062)
	Aroclor 1232	ND(0.062)	ND(0.066)	ND(0.061)	ND(0.061)	ND(1.2)	ND(64)	ND(0.062)
	Aroclor 1242	ND(0.062)	ND(0.066)	ND(0.061)	ND(0.061)	7.3	340	0.85
	Aroclor 1248	1.1 P	0.41	0.095	0.16	ND(1.2)	ND(64)	ND(0.062)
	Aroclor 1254	ND(0.062)	ND(0.066)	ND(0.061)	ND(0.061)	ND(1.2)	ND(64)	ND(0.062)
	Aroclor 1260	ND(0.062)	ND(0.066)	ND(0.061)	ND(0.061)	ND(1.2)	ND(64)	ND(0.062)
	Total PCBs	1.9	0.41	0.095	0.16	7.3	340	0.85
	Inorganics							
	Manganese	74.1	142	82.6	144	ND(15.0)	41.4	30.5

		ELM STREET AREA WELLS				MILL STREET AREA WELLS		
	Sample ID:	MW-26A	MW-26B	MW-28A	MW-28B	MW-07A	MW-21C	MW-22A
	Parameter / Date Collected:	02/24/04	02/24/04	02/19/04	02/20/04	02/26/04	02/26/04	02/25/04
EPA RESULTS	**Volatile Organics**							
	1,2 Dichloroethane	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	SNR	ND (2.0)
	1,2,4 Trichlorobenzene	3.7	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	SNR	ND (2.0)
	Benzene	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	SNR	ND (2.0)
	Ethylbenzene	ND (2.0)	ND (2.0)	ND (2.0)	180	ND (2.0)	SNR	ND (2.0)
	Toluene	ND (2.0)	ND (2.0)	ND (2.0)	55	ND (2.0)	SNR	ND (2.0)
	Trichloroethene	42	2.6	ND (2.0)	ND (2.0)	ND (2.0)	SNR	ND (2.0)
	Polychlorinated Biphenyls (PCBs)							
	Aroclor 1016	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.11)	SNR	ND (0.11)
	Aroclor 1221	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.11)	SNR	ND (0.11)
	Aroclor 1232	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.11)	SNR	ND (0.11)
	Aroclor 1242	1.6	0.53	0.19 J(7)	ND (0.10)	0.32	SNR	0.69
	Aroclor 1248	ND (0.10)	ND (0.10)	ND (0.10)	0.25	ND (0.11)	SNR	ND (0.11)
	Aroclor 1254	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.11)	SNR	ND (0.11)
	Aroclor 1260	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.11)	SNR	ND (0.11)
	Total PCBs	1.6	0.53	0.19 J(7)	0.25	0.32	SNR	0.69
	Inorganics							
	Manganese	NA	NA	NA	NA	NA	NA	NA

See notes on Page 3

TABLE 17
COMPARISON OF PDI AND EPA BASELINE GROUNDWATER PCB AND NON-PCB SPLIT-SAMPLE DATA

PRE-DESIGN INVESTIGATION REPORT
FLETCHER'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NH
(Results are presented in parts per billion, ppb)

		MILL STREET AREA WELLS					OFF-SITE WELLS	
	Sample ID:	MW-22B	MW-22C	MW-23A	MW-23B	MW-23C	MW-11A	MW-11B
	Parameter / Date Collected:	02/25/04	02/25/04	02/13/04	02/13/04	02/17/04	02/18/04	02/18/04
GE RESULTS	**Volatile Organics**							
	1,2 Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)
	1,2,4 Trichlorobenzene	ND(1.0)	20	4.4	18	70	ND(1.0)	ND(1.0)
	Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)
	Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)
	Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)
	Trichloroethene	0.80 J	170 D	13	75	180	0.48 J	ND(1.0)
	Polychlorinated Biphenyls (PCBs)							
	Aroclor 1016	ND(0.067)	ND(0.32)	ND(0.061)	ND(0.64)	55	ND(0.063)	ND(0.061)
	Aroclor 1221	ND(0.067)	1.7 P	ND(0.061)	7.0	ND(12)	ND(0.063)	ND(0.061)
	Aroclor 1232	ND(0.067)	ND(0.32)	ND(0.061)	ND(0.64)	ND(12)	ND(0.063)	ND(0.061)
	Aroclor 1242	1.2	ND(0.32)	ND(0.061)	ND(0.64)	ND(12)	ND(0.063)	0.36 P
	Aroclor 1248	ND(0.067)	ND(0.32)	ND(0.061)	ND(0.64)	ND(12)	ND(0.063)	ND(0.061)
	Aroclor 1254	ND(0.067)	ND(0.32)	ND(0.061)	ND(0.64)	ND(12)	ND(0.063)	ND(0.061)
	Aroclor 1260	ND(0.067)	ND(0.32)	0.84	2.3	ND(12)	ND(0.063)	ND(0.061)
	Total PCBs	1.2	1.7	0.84	9.3	55	ND(0.063)	0.36
	Inorganics							
	Manganese	935	132	65.4	200	110	282	ND(15.0)

		MILL STREET AREA WELLS					OFF-SITE WELLS	
	Sample ID:	MW-22B	MW-22C	MW-23A	MW-23B	MW-23C	MW-11A	MW-11B
	Parameter / Date Collected:	02/25/04	02/25/04	02/13/04	02/13/04	02/17/04	02/18/04	02/18/04
EPA RESULTS	**Volatile Organics**							
	1,2 Dichloroethane	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	SNR	SNR
	1,2,4 Trichlorobenzene	ND (2.0)	13	2.7	12	27	SNR	SNR
	Benzene	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	SNR	SNR
	Ethylbenzene	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	SNR	SNR
	Toluene	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	SNR	SNR
	Trichloroethene	ND (2.0)	150	11	67	54	SNR	SNR
	Polychlorinated Biphenyls (PCBs)							
	Aroclor 1016	ND (0.10)	ND (0.10)	ND (0.10) UJ	ND (0.10)	ND (0.10)	SNR	SNR
	Aroclor 1221	ND (0.10)	ND (0.10)	ND (0.10) UJ	ND (0.10)	ND (0.10)	SNR	SNR
	Aroclor 1232	ND (0.10)	ND (0.10)	ND (0.10) UJ	ND (0.10)	ND (0.10)	SNR	SNR
	Aroclor 1242	0.58	16 D	ND (0.10) UJ	ND (0.10)	18 D	SNR	SNR
	Aroclor 1248	ND (0.10)	ND (0.10)	ND (0.10) UJ	ND (0.10)	ND (0.10)	SNR	SNR
	Aroclor 1254	ND (0.10)	ND (0.10)	ND (0.10) UJ	ND (0.10)	ND (0.10)	SNR	SNR
	Aroclor 1260	ND (0.10)	ND (0.10)	ND (0.10) UJ	ND (0.10)	ND (0.10)	SNR	SNR
	Total PCBs	0.58	16 D	ND (0.10) UJ	ND (0.10)	18 D	SNR	SNR
	Inorganics							
	Manganese	NA	NA	NA	NA	NA	SNR	SNR

Notes:
1. Data is preliminary and subject to validation.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. J - Indicates an estimated value less than the practical quantitation limit (PQL).
4. D - Compound quantitated using a secondary dilution.
5. UJ - The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.
6. NA - Not Analyzed.
7. J(7) The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
8. SNR - Sample Not Received.

TABLE 18
SUMMARY OF GROUNDWATER TREATABILITY SAMPLE DATA

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per billion, ppb, unless otherwise noted)

	ELM STREET AREA WELLS			MILL STREET AREA WELLS	
Sample ID: / Parameter / Date Collected:	MW-03B 02/05/04	MW-26B 02/04/04	MW-29B 02/04/04	MW-07A 02/05/04	MW-22A 02/03/04
Volatile Organics					
1,1,1-Trichloroethane	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethane	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethene	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2 Dichloroethane	ND(250)	0.55 J	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4 Trichlorobenzene	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(1200)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
2-Hexanone	ND(1200)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
4-Methyl-2-pentanone	ND(1200)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Acetone	3200	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Benzene	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromodichloromethane	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon Disulfide	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon Tetrachloride	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	87 BJ	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(250)	0.62 J	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,3-Dichloropropene	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dibromochloromethane	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	8700	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Isopropylbenzene	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methyl acetate	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methyl tert butyl ether	ND(250)	ND(1.0)	0.55 J	ND(1.0)	18
Methylcyclohexane	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene Chloride	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Styrene	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	3300	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,2-Dichloroethene	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	ND(250)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

TABLE 18
SUMMARY OF GROUNDWATER TREATABILITY SAMPLE DATA

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FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per billion, ppb, unless otherwise noted)

	ELM STREET AREA WELLS			MILL STREET AREA WELLS	
Sample ID: / Parameter / Date Collected:	MW-03B 02/05/04	MW-26B 02/04/04	MW-29B 02/04/04	MW-07A 02/05/04	MW-22A 02/03/04
Volatile Organics (continued)					
Trichloroethene	ND(250)	5.2	26	5.0	ND(1.0)
Trichlorofluoromethane	ND(250)	ND(1.0)	0.60 J	ND(1.0)	ND(1.0)
Vinyl chloride	ND(250)	0.65 J	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes,Total	66000 D	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)
Semivolatile Organics					
2,2'-Oxybis(1-Chloropropane)	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
2,4,5-Trichlorophenol	ND(24)	ND(24)	ND(24)	ND(24)	ND(25)
2,4,6-Trichlorophenol	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
2,4-Dichlorophenol	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
2,4-Dimethylphenol	130	ND(9.0)	ND(9.0)	ND(10)	ND(10)
2,4-Dinitrophenol	ND(24)	ND(24)	ND(24)	ND(24)	ND(25)
2,4-Dinitrotoluene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
2,6-Dinitrotoluene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
2-Chloronaphthalene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
2-Chlorophenol	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
2-Methylnaphthalene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
2-Methylphenol	50	ND(9.0)	ND(9.0)	ND(10)	ND(10)
2-Nitroaniline	ND(24)	ND(24)	ND(24)	ND(24)	ND(25)
2-Nitrophenol	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
3,3'-Dichlorobenzidine	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
3-Nitroaniline	ND(24)	ND(24)	ND(24)	ND(24)	ND(25)
4,6-Dinitro-2-methylphenol	ND(24)	ND(24)	ND(24)	ND(24)	ND(25)
4-Bromophenyl phenyl ether	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
4-Chloro-3-methylphenol	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
4-Chloroaniline	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
4-Chlorophenyl phenyl ether	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
4-Methylphenol	57	ND(9.0)	ND(9.0)	ND(10)	ND(10)
4-Nitroaniline	ND(24)	ND(24)	ND(24)	ND(24)	ND(25)
4-Nitrophenol	ND(24)	ND(24)	ND(24)	ND(24)	ND(25)
Acenaphthene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Acenaphthylene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Acetophenone	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Anthracene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Atrazine	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Benzaldehyde	ND(20)	ND(19)	ND(19)	ND(20)	ND(20)
Benzo(a)anthracene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Benzo(a)pyrene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Benzo(b)fluoranthene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Benzo(g,h,i)perylene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Benzo(k)fluoranthene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Biphenyl	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Bis(2-chloroethoxy) methane	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)

TABLE 18
SUMMARY OF GROUNDWATER TREATABILITY SAMPLE DATA

PRE-DESIGN REPORT
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GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per billion, ppb, unless otherwise noted)

	ELM STREET AREA WELLS			MILL STREET AREA WELLS	
Sample ID: / Parameter / Date Collected:	MW-03B 02/05/04	MW-26B 02/04/04	MW-29B 02/04/04	MW-07A 02/05/04	MW-22A 02/03/04
Semivolatile Organics (continued)					
Bis(2-chloroethyl) ether	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
bis(2-Ethylhexyl)phthalate	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Butyl benzyl phthalate	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Caprolactam	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Carbazole	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Chrysene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Di-n-Butylphthalate	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Di-n-Octylphthalate	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Dibenz(a,h)anthracene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Dibenzofuran	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Diethyl phthalate	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Dimethyl phthalate	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Fluoranthene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Fluorene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Hexachlorobenzene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Hexachlorobutadiene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Hexachlorocyclopentadiene	*ND(23)*	*ND(22)*	*ND(22)*	*ND(23)*	*ND(24)*
Hexachloroethane	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Indeno(1,2,3-c,d)pyrene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Isophorone	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
N-Nitroso-Di-n-propylamine	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
N-Nitrosodiphenylamine (1)	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Naphthalene	*32*	*ND(9.0)*	*ND(9.0)*	*ND(10)*	*ND(10)*
Nitrobenzene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Pentachlorophenol	ND(24)	ND(24)	ND(24)	ND(24)	ND(25)
Phenanthrene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Phenol	830 D	ND(9.0)	ND(9.0)	ND(10)	ND(10)
Pyrene	ND(10)	ND(9.0)	ND(9.0)	ND(10)	ND(10)

TABLE 18
SUMMARY OF GROUNDWATER TREATABILITY SAMPLE DATA

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FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per billion, ppb, unless otherwise noted)

	ELM STREET AREA WELLS			MILL STREET AREA WELLS	
Sample ID: / Parameter / Date Collected:	MW-03B 02/05/04	MW-26B 02/04/04	MW-29B 02/04/04	MW-07A 02/05/04	MW-22A 02/03/04
PCBs					
Aroclor 1016	ND(6.5)	ND(0.12)	ND(3.1)	ND(0.62)	ND(0.12)
Aroclor 1221	ND(6.5)	ND(0.12)	ND(3.1)	ND(0.62)	ND(0.12)
Aroclor 1232	ND(6.5)	ND(0.12)	ND(3.1)	ND(0.62)	ND(0.12)
Aroclor 1242	ND(6.5)	ND(0.12)	72	ND(0.62)	2.1
Aroclor 1248	ND(6.5)	1.1	ND(3.1)	10	ND(0.12)
Aroclor 1254	ND(6.5)	ND(0.12)	ND(3.1)	ND(0.62)	ND(0.12)
Aroclor 1260	ND(6.5)	ND(0.12)	ND(3.1)	ND(0.62)	0.42
Total PCBs	ND(6.5)	1.1	72	10	2.6
Inorganics					
Aluminum - Total	ND(200)	872	2860	403	990
Antimony - Total	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)
Arsenic	25.6	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Barium - Total	67.8	92.4	93.3	25.1	38.4
Beryllium - Total	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Cadmium - Total	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Calcium - Total	43000	59100	42000	13700	23900
Chromium - Total	11.0	ND(4.00)	7.40	ND(4.00)	ND(4.00)
Cobalt - Total	7.20	ND(4.00)	ND(4.00)	ND(4.00)	ND(4.00)
Copper - Total	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Cyanide	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	10.0
Iron - Total	57700	3210	4320	ND(50.0)	526
Lead - Total	ND(6.00)	ND(6.00)	20.8	ND(6.00)	ND(6.00)
Magnesium - Total	3860	6320	7130	1040	2310
Manganese	562	241	187	15.1	41.3
Mercury - Total	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)
Nickel - Total	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Potassium - Total	5450	7840	7300	2480	8980
Selenium - Total	ND(15.0)	ND(15.0)	ND(15.0)	ND(15.0)	ND(15.0)
Silver - Total	ND(3.00)	ND(3.00)	ND(3.00)	ND(3.00)	ND(3.00)
Sodium - Total	49100	44400	40000	39500	24100
Sulfide	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)
Thallium - Total	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)
Vanadium - Total	ND(5.00)	ND(5.00)	5.20	ND(5.00)	ND(5.00)
Zinc - Total	ND(20.0)	ND(20.0)	143	ND(20.0)	ND(20.0)

TABLE 18
SUMMARY OF GROUNDWATER TREATABILITY SAMPLE DATA

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GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per billion, ppb, unless otherwise noted)

	ELM STREET AREA WELLS			MILL STREET AREA WELLS	
Sample ID:	MW-03B	MW-26B	MW-29B	MW-07A	MW-22A
Parameter / Date Collected:	02/05/04	02/04/04	02/04/04	02/05/04	02/03/04
Inorganics-Filtered					
Aluminum - Soluble	ND(200)	ND(200)	ND(200)	327	ND(200)
Antimony - Soluble	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)
Arsenic - Soluble	18.0	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Barium - Soluble	57.4	79.9	73.1	18.8	31.4
Beryllium - Soluble	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Cadmium - Soluble	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Calcium - Soluble	43400	53100	45200	13700	23600
Chromium - Soluble	11.3	ND(4.00)	ND(4.00)	ND(4.00)	ND(4.00)
Cobalt - Soluble	7.40	ND(4.00)	ND(4.00)	ND(4.00)	ND(4.00)
Copper - Soluble	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Cyanide	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Iron - Soluble	58400	2270	326	ND(50.0)	93.0
Lead - Soluble	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)
Magnesium - Soluble	3820	5600	7350	995	2180
Manganese	564	218	162	14.0	43.1
Mercury - Soluble	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)
Nickel - Soluble	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Potassium - Soluble	4760	7580	7030	2290	8950
Selenium - Soluble	ND(15.0)	ND(15.0)	ND(15.0)	ND(15.0)	ND(15.0)
Silver - Soluble	ND(3.00)	ND(3.00)	ND(3.00)	ND(3.00)	ND(3.00)
Sodium - Soluble	44400	50000	44000	37700	23000
Thallium - Soluble	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)
Vanadium - Soluble	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Zinc - Soluble	ND(20.0)	ND(20.0)	73.3	ND(20.0)	ND(20.0)

TABLE 18
SUMMARY OF GROUNDWATER TREATABILITY SAMPLE DATA

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in parts per billion, ppb, unless otherwise noted)

	ELM STREET AREA WELLS			MILL STREET AREA WELLS	
Sample ID: / Parameter / Date Collected:	MW-03B 02/05/04	MW-26B 02/04/04	MW-29B 02/04/04	MW-07A 02/05/04	MW-22A 02/03/04
Miscellaneous Parameters					
Ammonia	1700	890	ND(25.0)	ND(25.0)	67.0
Bicarbonate Alkalinity	127000	184000	79700	27800	38800
Biochemical Oxygen Demand	164000	ND(2000)	ND(2000)	ND(2000)	ND(2000)
Carbonate Alkalinity	0	0	0	0	0
Chemical Oxygen Demand	536000	17100	15400	23500	22200
Chloride	82800	69000	56500	54200	47800
Color (CU)	300	200	15.0	40.0	40.0
MBAS - Surfactants	270	32.0	30.0	38.0	42.0
Nitrate	340	ND(50.0)	4400	2000	870
Nitrite	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)
Oil & Grease	ND(5000)	ND(5000)	ND(5000)	ND(5000)	ND(5000)
pH (SU)	6.05	6.85	6.53	6.58	6.95
Sulfate	*23400*	*74500*	*67800*	*17300*	*22500*
Total Alkalinity	127000	184000	79700	27800	38800
Total Dissolved Solids	417000	314000	300000	159000	192000
Total Kjeldahl Nitrogen	3200	1000	860	790	720
Total Organic Carbon	147000	2400	4000	8400	6100
Total Phosphorous	ND(10.0)	15.0	ND(10.0)	ND(10.0)	ND(10.0)
Total Suspended Solids	67000	25000	29000	ND(4000)	7000
Turbidity (NTU)	10.1	29.1	5.10	ND(1.00)	8.00
Heterotrophic Plate Count (CFU/mL)	3	>6,500	9	0	>300

TABLE 18
SUMMARY OF GROUNDWATER TREATABILITY SAMPLE DATA

PRE-DESIGN REPORT
FLETCHER 'S PAINT WORKS AND STORAGE FACILITY SUPERFUND SITE
GENERAL ELECTRIC COMPANY - MILFORD, NEW HAMPSHIRE
(Results are presented in dry weight parts per billion, ppb)

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to Severn Trent Laboratories, Inc. for analysis of VOCs, SVOCs, PCBs, Inorganics, Inorganics-Filtered, and Miscellaneous Parameters.
2. *ND - Analyte was not detected. The number in parentheses is the associated detection limit.*
3. Field duplicate sample results are presented in brackets.
4. In the areas where temporary cover materials have been placed (e.g., geotextile and soil cover), the 0- to 1-foot surface soil sampling interval will begin at the depth of the geotextile installed by EPA, which is considered to represent the boundary between clean barrier soils and native Site soils.

Data Qualifiers:

B - Analyte was also detected in the associated method blank.
D - Compound quantitated using a secondary dilution.
J - Indicates an estimated value less than the practical quantitation limit (PQL).

Figures

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

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3 Mill Street Area and Historic Sampling Locations
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4B MW-02B Hydrograph
4C MW-03B Hydrograph
4D MW-04B Hydrograph
4E MW-18B Hydrograph
4F MW-26B Hydrograph
4G MW-27B Hydrograph
4H MW-28B Hydrograph
4I MW-29B Hydrograph
5 Regional Groundwater Elevation and Precipitation Data
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7A Elm Street Area – Soil Sampling Locations and Surface Soil PCB Sample Data
7B Elm Street Area – Subsurface Soil PCB Sample Data
8 Elm Street Area – Overburden Cross-Section Locations
9 Elm Street Area – Cross-Section A – A'
10 Elm Street Area – Cross-Section B – B' & C – C'
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13 Mill Street Area – Overburden Cross-Section Locations
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20 Elm Street Area – Groundwater Sample Locations and Analytical Results
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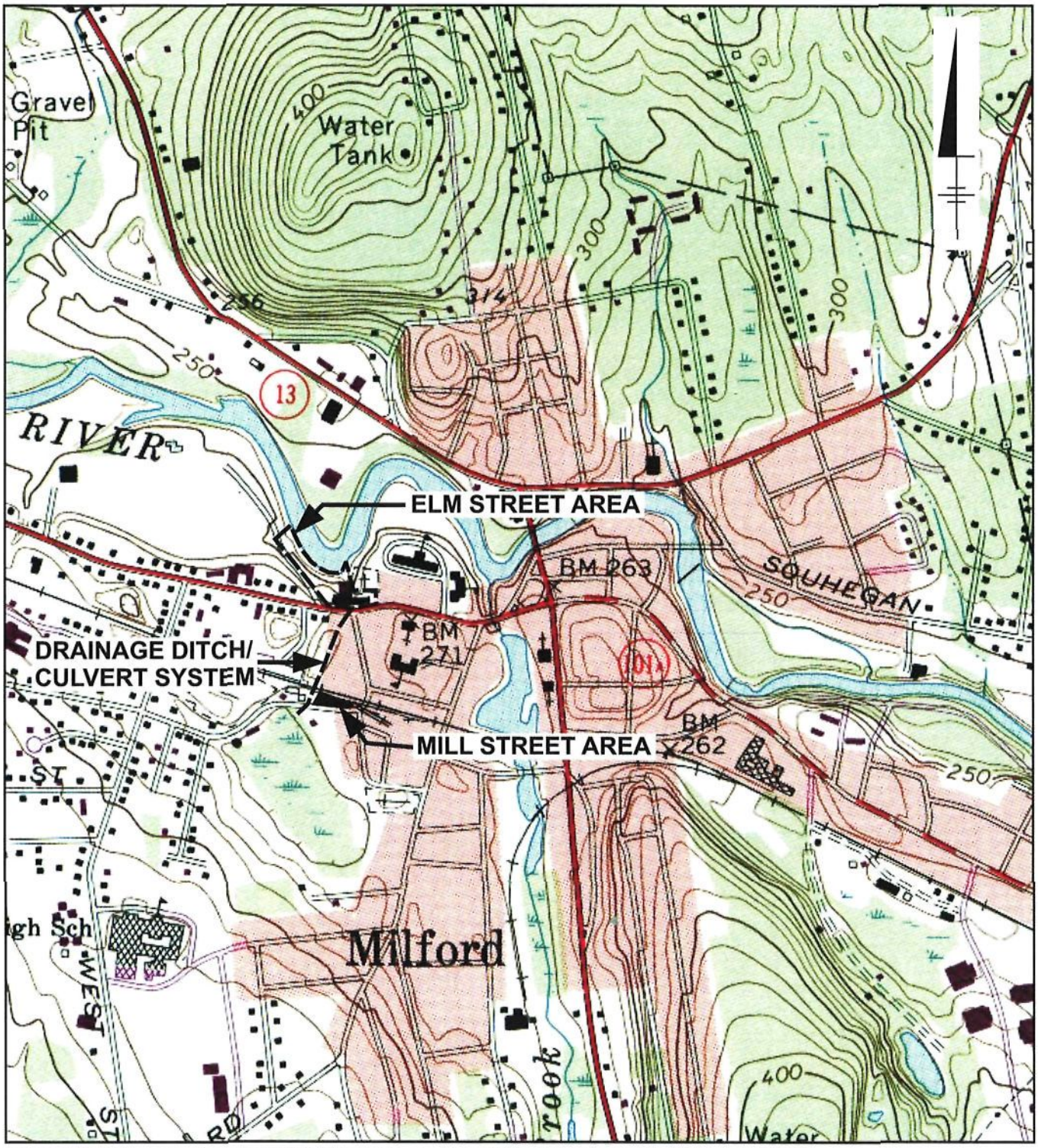

REFERENCE: Base Map Source USGS 7.5 Minute Quads. Series Milford, New Hampshire, Photorevised 1985.

1000' 0 1000'

Approximate Scale: 1" = 1000'

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AREA LOCATION

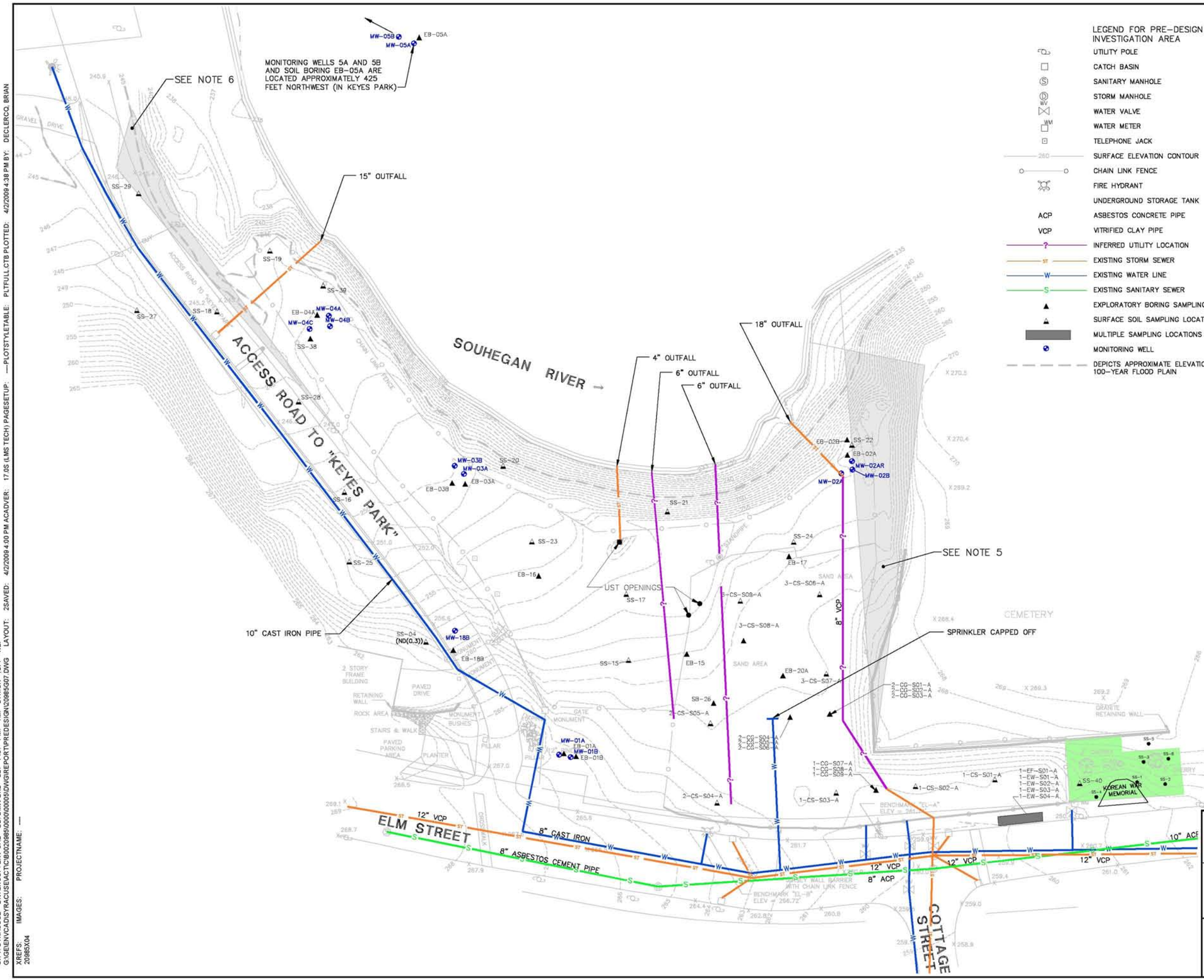
GENERAL ELECTRIC COMPANY
FLETCHER'S PAINT WORKS AND STORAGE FACILITY
SUPERFUND SITE - MILFORD, NEW HAMPSHIRE
PRE-DESIGN REPORT

SITE LOCATION MAP

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

FIGURE 1

01/13/05 SYR-D85-DJH KLS, DJH
10002002/10002n01.cdr



LEGEND FOR PRE-DESIGN INVESTIGATION AREA

- UTILITY POLE
- CATCH BASIN
- SANITARY MANHOLE
- STORM MANHOLE
- WATER VALVE
- WATER METER
- TELEPHONE JACK
- SURFACE ELEVATION CONTOUR
- CHAIN LINK FENCE
- FIRE HYDRANT
- UNDERGROUND STORAGE TANK
- ACP — ASBESTOS CONCRETE PIPE
- VCP — VITRIFIED CLAY PIPE
- INFERRED UTILITY LOCATION
- EXISTING STORM SEWER
- EXISTING WATER LINE
- EXISTING SANITARY SEWER
- EXPLORATORY BORING SAMPLING LOCATION
- SURFACE SOIL SAMPLING LOCATION
- MULTIPLE SAMPLING LOCATIONS
- MONITORING WELL
- DEPICTS APPROXIMATE ELEVATION OF 100-YEAR FLOOD PLAIN

LEGEND FOR HISTORIC SOIL REMEDIATION AREA

- SS-1 — ESE GRAB SAMPLE LOCATION
- 1-FOOT REMOVAL

NOTES:

1. ELEVATIONS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
2. HORIZONTAL DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM OF 1983.
3. CONTOUR INTERVAL = 1 FEET.
4. MAP COMPILED FROM ACTUAL FIELD SURVEY PERFORMED BY BBL, INC. FROM JULY 16, 2003 THROUGH AUGUST 14, 2003 AND BY MERIDAN LAND SERVICES, INC. JANUARY 22, 2004.
5. TITLE TO SHADED AREA IS UNCERTAIN AT THIS TIME. NO BOUNDARY LINE AGREEMENT (REFERRED TO IN THE CHAIN OF TITLE) HAS BEEN FOUND.
6. SHADED AREA AT THE NORTHWEST CORNER OF THE LOT DEPICTS AREA WHICH IS PART OF THE ROAD TO THE KEYES FIELD PARCEL. NO CONVEYANCE TO THE TOWN FOR THIS AREA HAS BEED FOUND.
7. LOCATION OF UNDERGROUND UTILITIES AND OTHER UNDERGROUND STRUCTURES OBTAINED FROM TOWN OF MILFORD DEPARTMENT OF PUBLIC WORKS RECORDS AND OTHER SOURCES AND MAY BE APPROXIMATE ONLY.
8. THE EXACT TERMINUS OF THE CAPPED OFF SPRINKLER IS UNKNOWN. DISTANCE ONTO THE SITE IS SHOWN AS SUSPECTED BY GEOPHYSICAL INVESTIGATION.
9. LOCATION AND PRESENCE OF BUILDING DRAINAGE FEATURES BASED ON USEPA 1993 RI.
10. LOCATION OF UNDERGROUND UTILITIES AND OTHER UNDERGROUND STRUCTURES OBTAINED BY FIELD MEASUREMENTS WHERE POSSIBLE. LOCATION OF WATER, SEWER, AND DRAINAGE UTILITIES OBTAINED FROM TOWN OF MILFORD DEPARTMENT OF PUBLIC WORKS RECORDS.

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0 30' 60'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
FLETCHER'S PAINT WORKS AND STORAGE FACILITY
SUPERFUND SITE - MILFORD, NEW HAMPSHIRE
PRE-DESIGN REPORT

ELM STREET AREA AND HISTORIC SAMPLING LOCATIONS

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

FIGURE 2

CITY: SYRACUSE DIV/GROUP: ENV-CAD DB: DMW BKD LD: PIC: PM: TM: LYR:ON=*;OFF=*REF*
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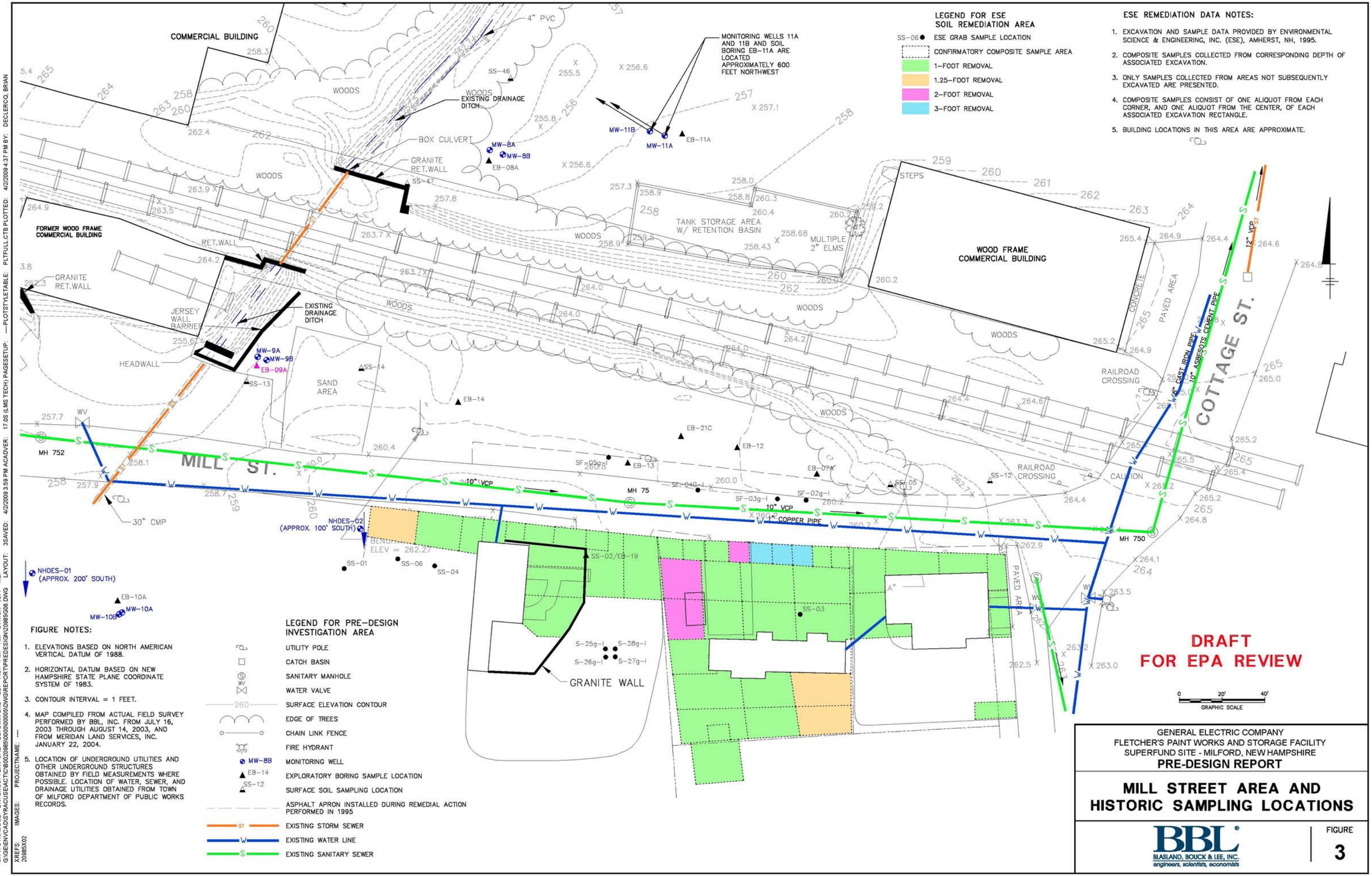

LEGEND FOR ESE SOIL REMEDIATION AREA

- SS-06 ● ESE GRAB SAMPLE LOCATION
- CONFIRMATORY COMPOSITE SAMPLE AREA
- 1-FOOT REMOVAL
- 1.25-FOOT REMOVAL
- 2-FOOT REMOVAL
- 3-FOOT REMOVAL

ESE REMEDIATION DATA NOTES:

1. EXCAVATION AND SAMPLE DATA PROVIDED BY ENVIRONMENTAL SCIENCE & ENGINEERING, INC. (ESE), AMHERST, NH, 1995.
2. COMPOSITE SAMPLES COLLECTED FROM CORRESPONDING DEPTH OF ASSOCIATED EXCAVATION.
3. ONLY SAMPLES COLLECTED FROM AREAS NOT SUBSEQUENTLY EXCAVATED ARE PRESENTED.
4. COMPOSITE SAMPLES CONSIST OF ONE ALIQUOT FROM EACH CORNER, AND ONE ALIQUOT FROM THE CENTER, OF EACH ASSOCIATED EXCAVATION RECTANGLE.
5. BUILDING LOCATIONS IN THIS AREA ARE APPROXIMATE.

FIGURE NOTES:

1. ELEVATIONS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
2. HORIZONTAL DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM OF 1983.
3. CONTOUR INTERVAL = 1 FEET.
4. MAP COMPILED FROM ACTUAL FIELD SURVEY PERFORMED BY BBL, INC. FROM JULY 16, 2003 THROUGH AUGUST 14, 2003, AND FROM MERIDAN LAND SERVICES, INC. JANUARY 22, 2004.
5. LOCATION OF UNDERGROUND UTILITIES AND OTHER UNDERGROUND STRUCTURES OBTAINED BY FIELD MEASUREMENTS WHERE POSSIBLE. LOCATION OF WATER, SEWER, AND DRAINAGE UTILITIES OBTAINED FROM TOWN OF MILFORD DEPARTMENT OF PUBLIC WORKS RECORDS.

LEGEND FOR PRE-DESIGN INVESTIGATION AREA

- UTILITY POLE
- CATCH BASIN
- SANITARY MANHOLE
- WATER VALVE
- 260 SURFACE ELEVATION CONTOUR
- EDGE OF TREES
- CHAIN LINK FENCE
- FIRE HYDRANT
- MW-8B MONITORING WELL
- EB-14 EXPLORATORY BORING SAMPLE LOCATION
- SS-12 SURFACE SOIL SAMPLING LOCATION
- ASPHALT APRON INSTALLED DURING REMEDIAL ACTION PERFORMED IN 1995
- ST EXISTING STORM SEWER
- W EXISTING WATER LINE
- S EXISTING SANITARY SEWER

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GENERAL ELECTRIC COMPANY
FLETCHER'S PAINT WORKS AND STORAGE FACILITY
SUPERFUND SITE - MILFORD, NEW HAMPSHIRE
PRE-DESIGN REPORT

MILL STREET AREA AND HISTORIC SAMPLING LOCATIONS

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

FIGURE 3

CITY: SYRACUSE DIV/GROUP: ENV-CAD DB: DMW BKD LD: PIC: PM: TM: LYR:ON=*;OFF=REF*
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Figure 4A
Elm Street Area - MW-01B Groundwater Elevation,
Souhegan River Staff Gauge SG-2, and Precipitation Data

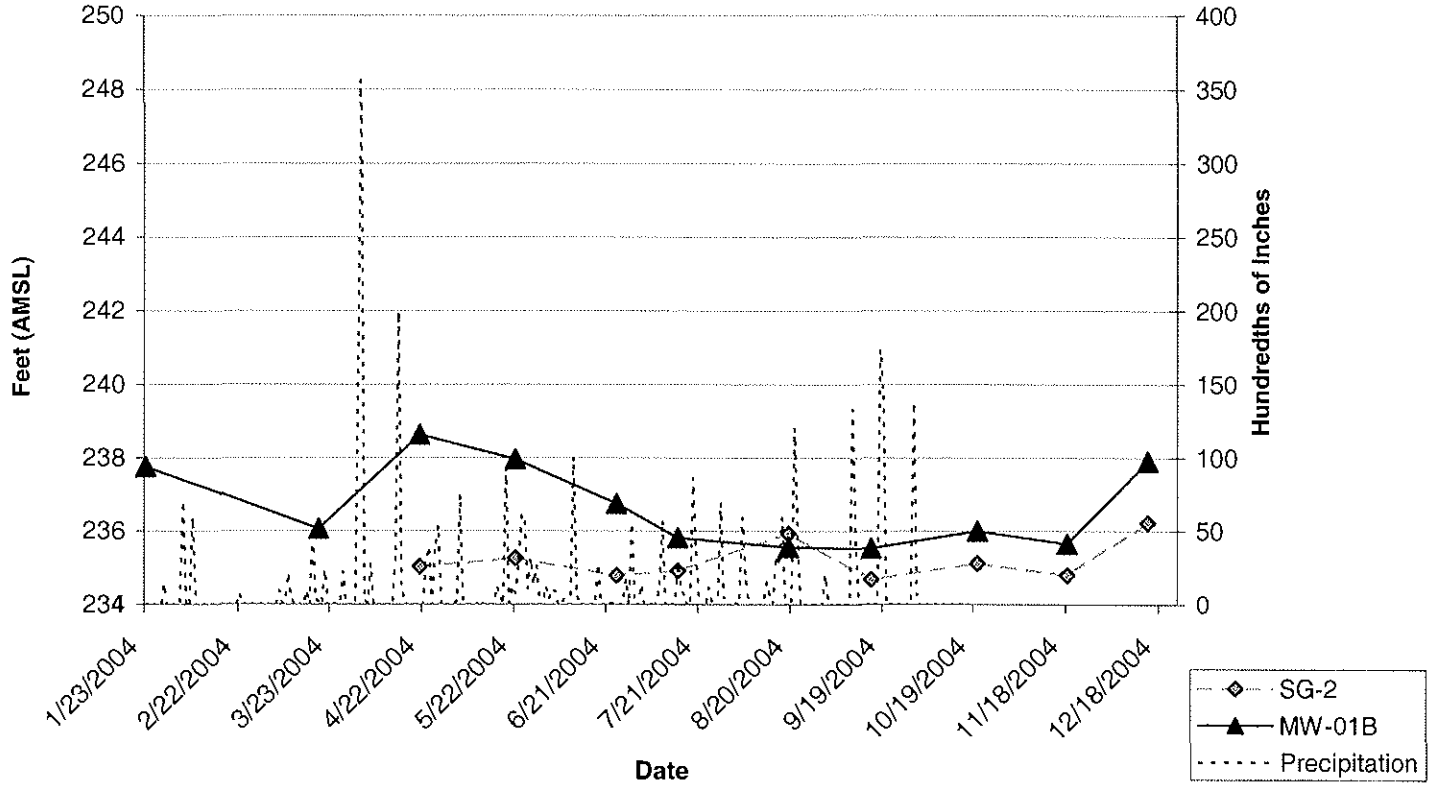


Figure 4B
Elm Street Area - MW-02B Groundwater Elevation,
Souhegan River Staff Gauge SG-2, and Precipitation Data

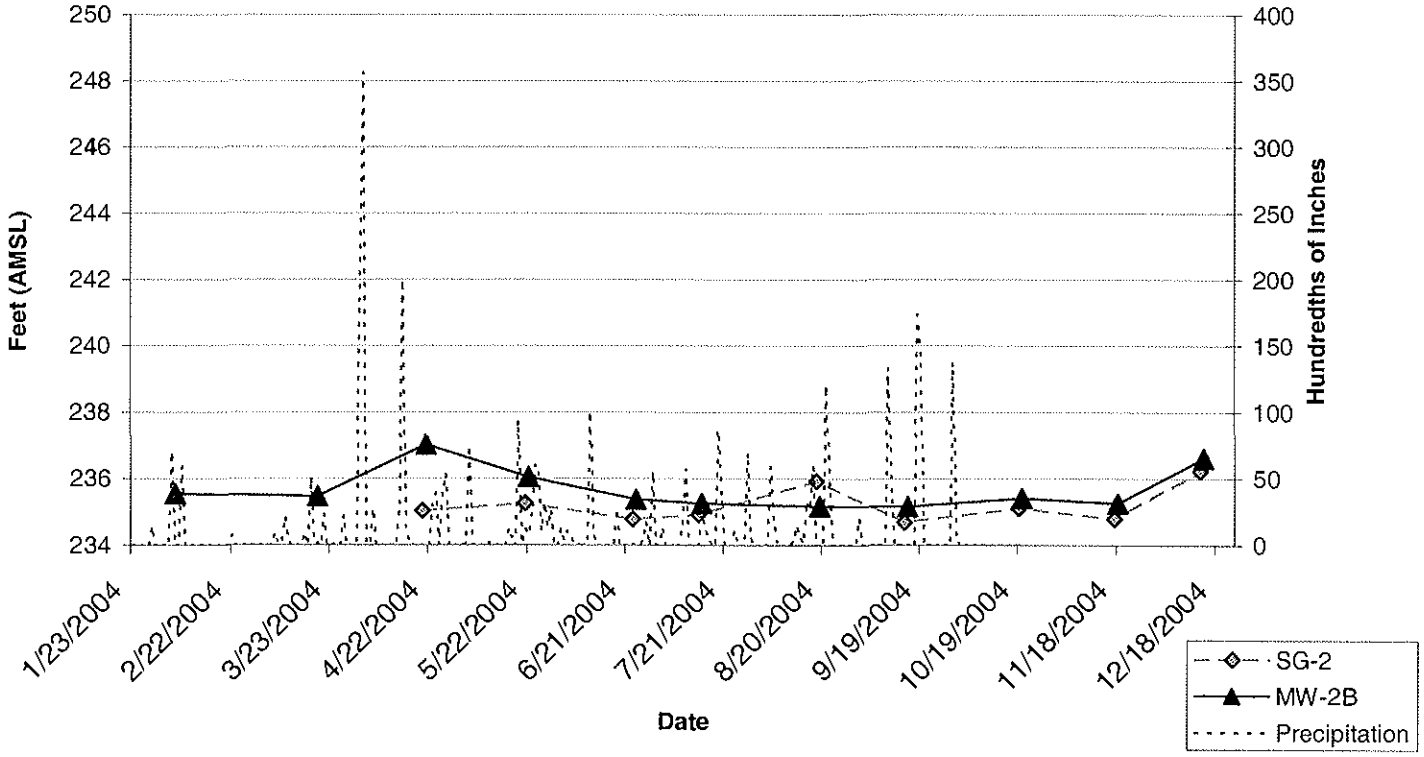


Figure 4C
Elm Street Area - MW-03B Groundwater Elevation,
Souhegan River Staff Gauge SG-2, and Precipitation Data

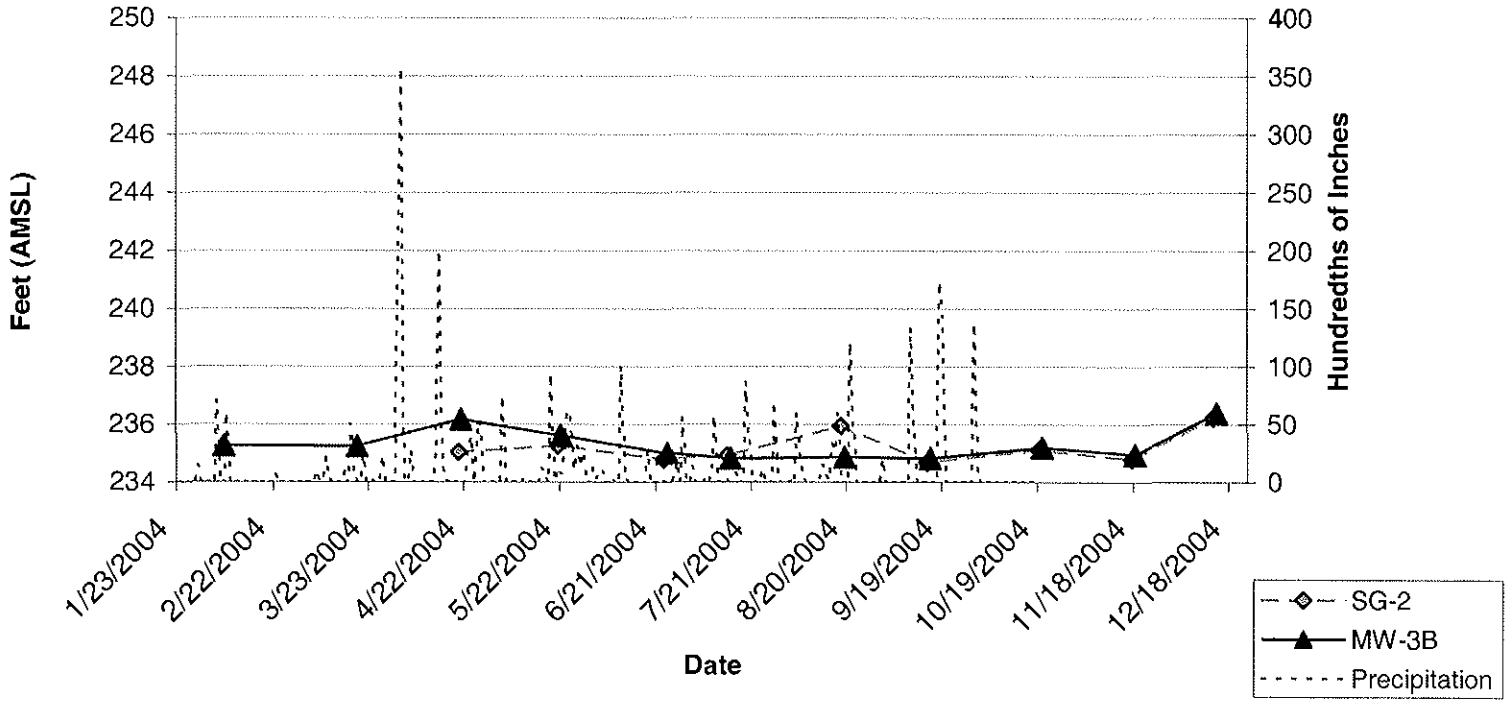


Figure 4D
Elm Street Area - MW-04B Groundwater Elevation,
Souhegan River Staff Gauge SG-2,and Precipitation Data

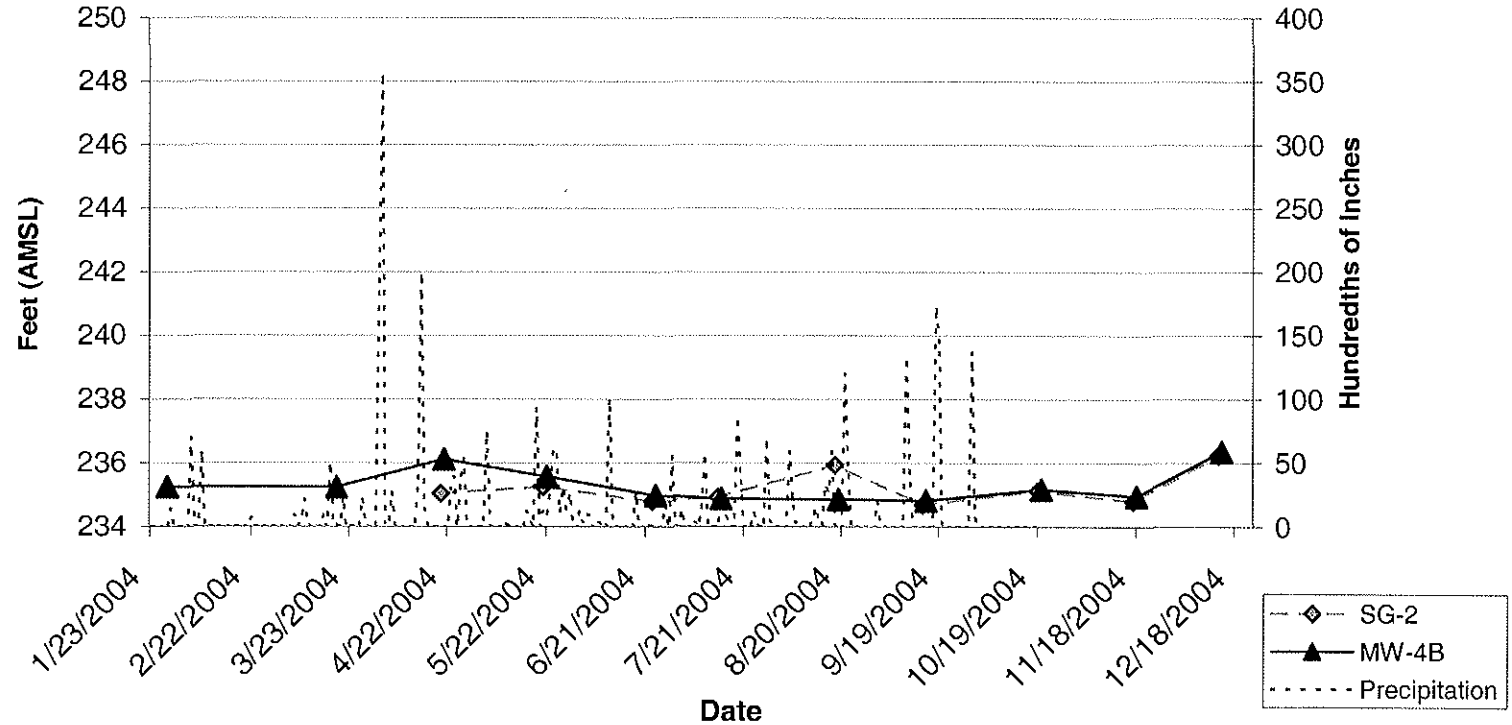


Figure 4E
Elm Street Area - MW-18B Groundwater Elevation,
Souhegan River Staff Gauge SG-2, and Precipitation Data

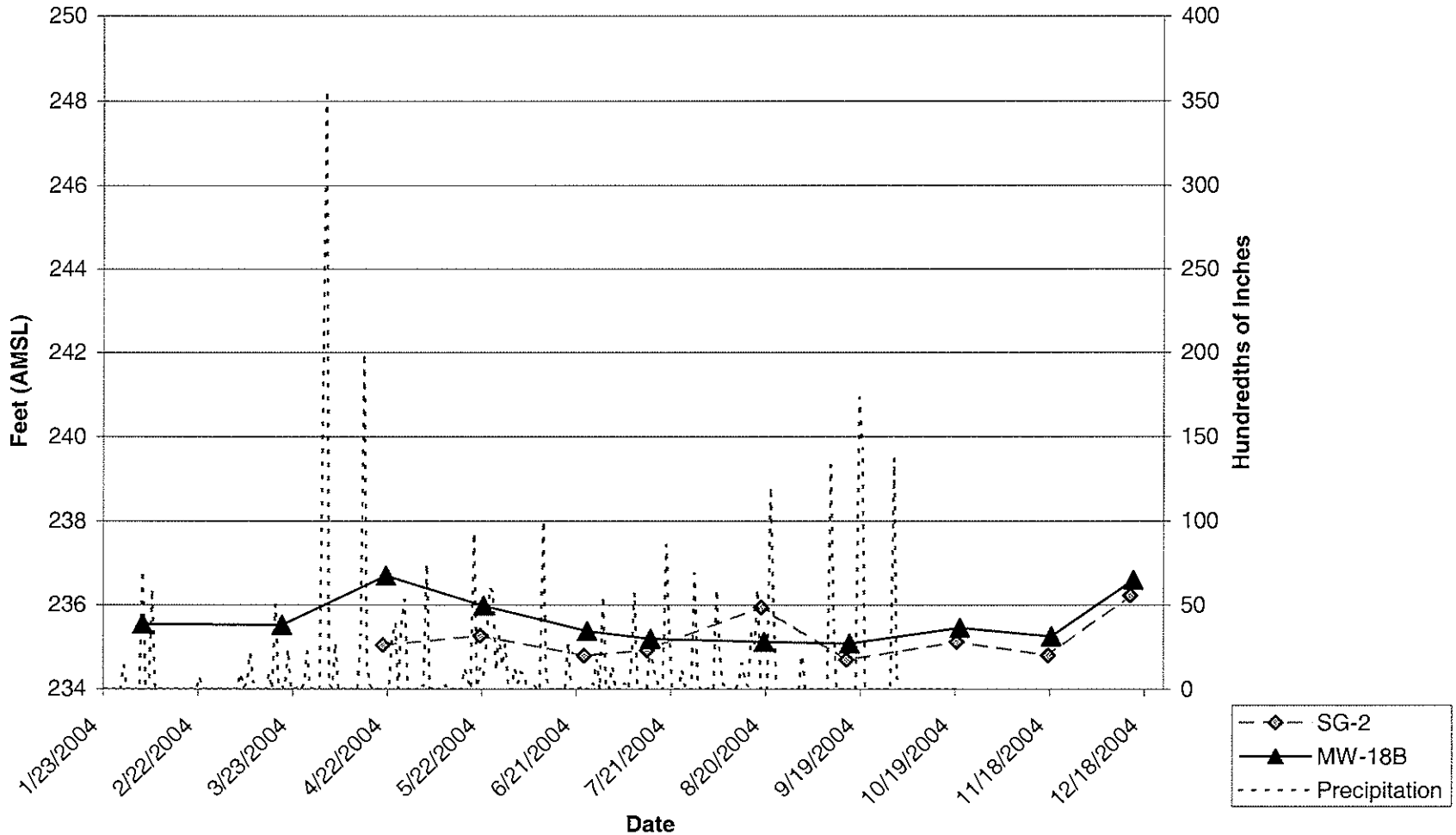


Figure 4F
Elm Street Area - MW-26B Groundwater Elevation,
Souhegan River Staff Gauge SG-2, and Precipitation Data

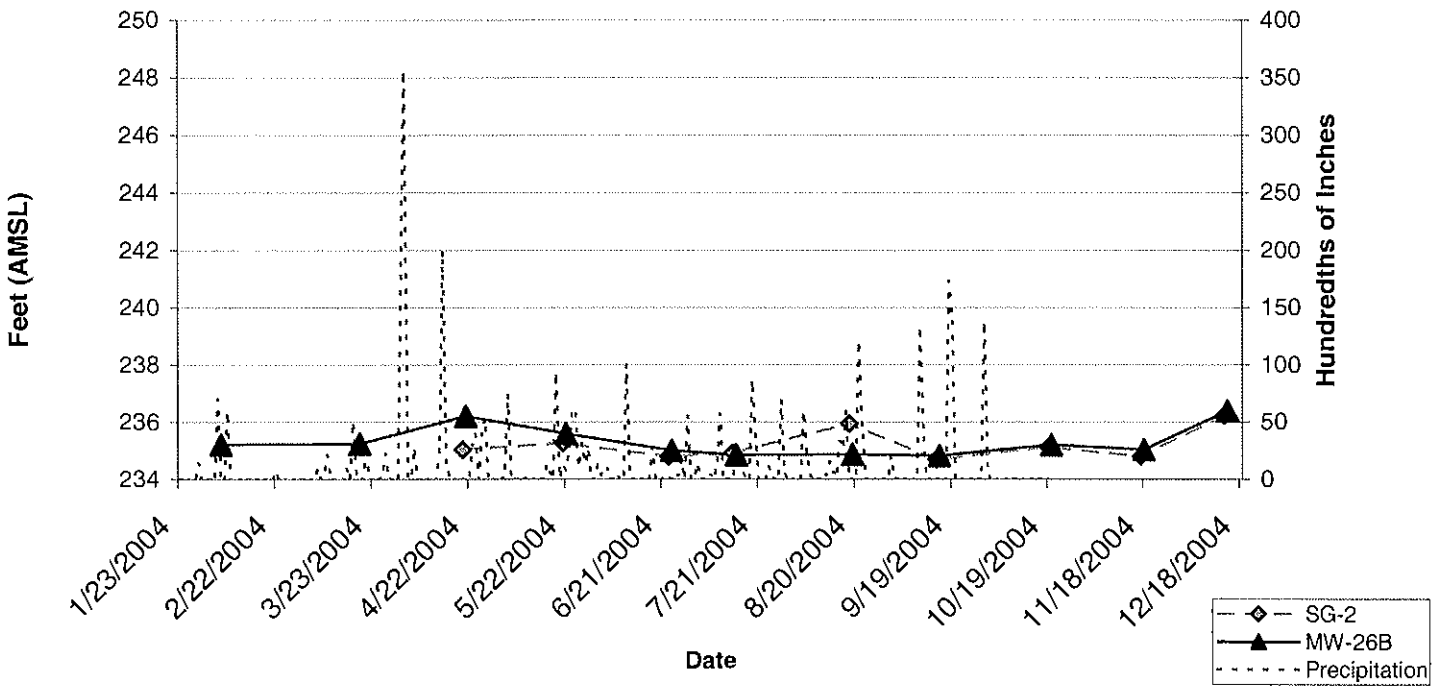


Figure 4G
Elm Street Area - MW-27B Groundwater Elevation,
Souhegan River Staff Gauge SG-2, and Precipitation Data

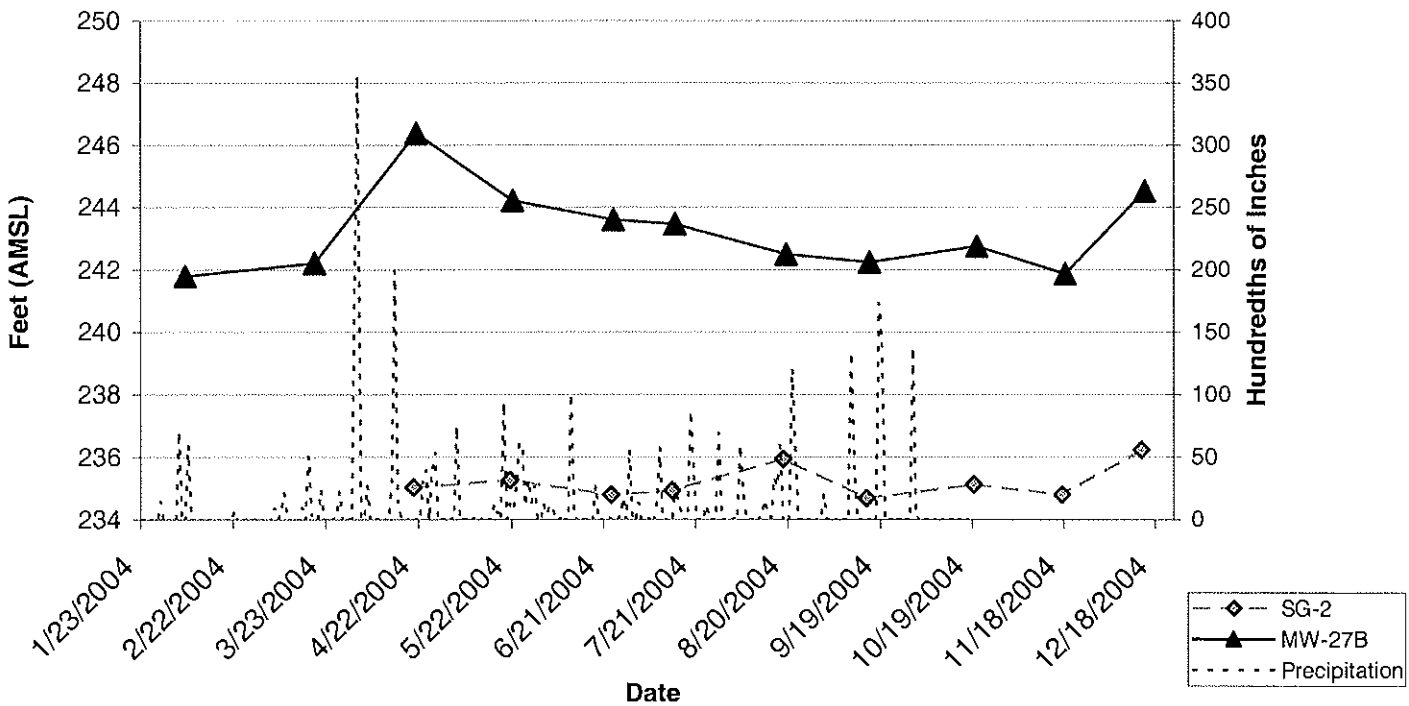


Figure 4H
Elm Street Area - MW-28B Groundwater Elevation,
Souhegan River Staff Gauge SG-2, and Precipitation Data

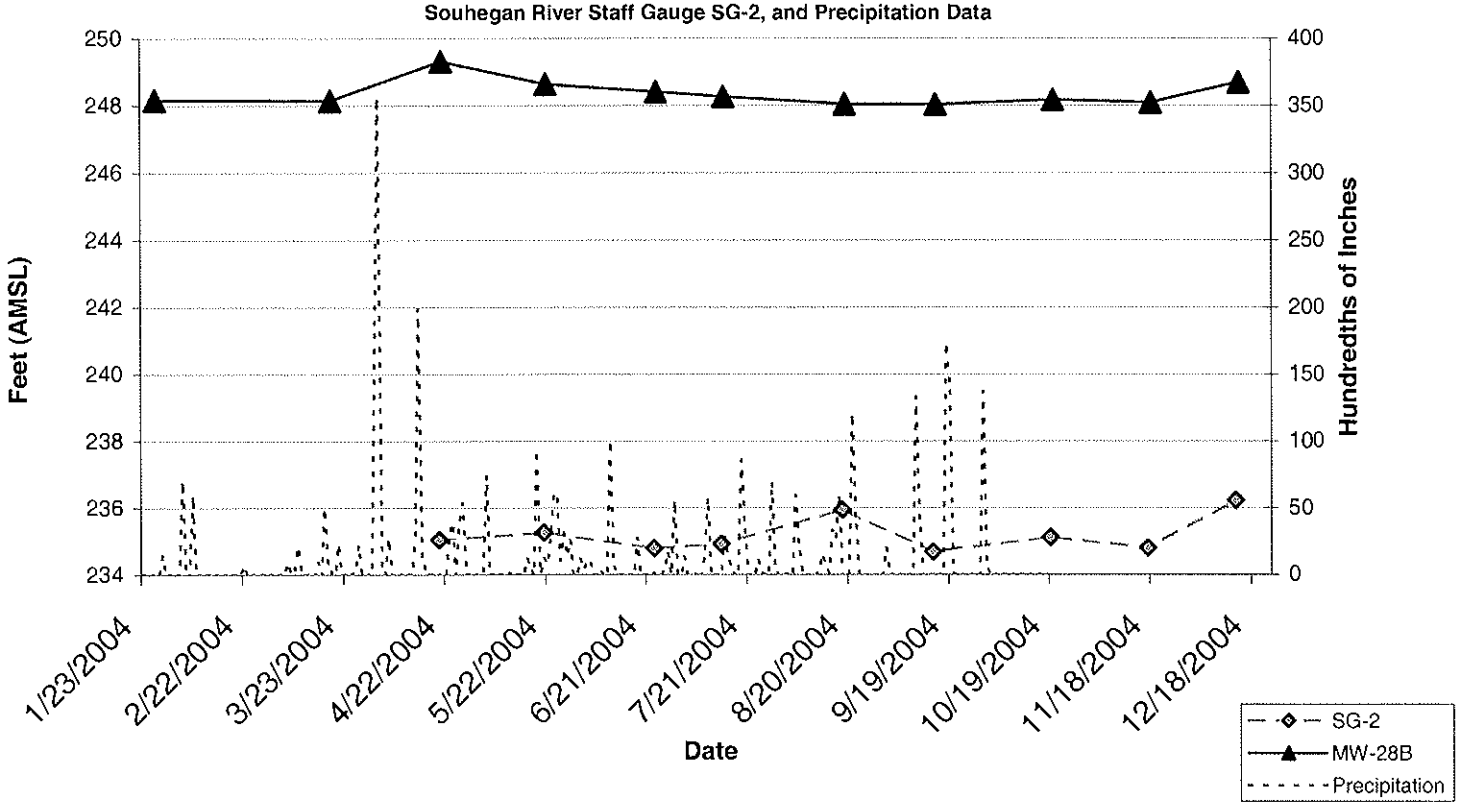


Figure 4I
Elm Street Area - MW-29B Groundwater Elevation,
Souhegan River Staff Gauge SG-2, and Precipitation Data

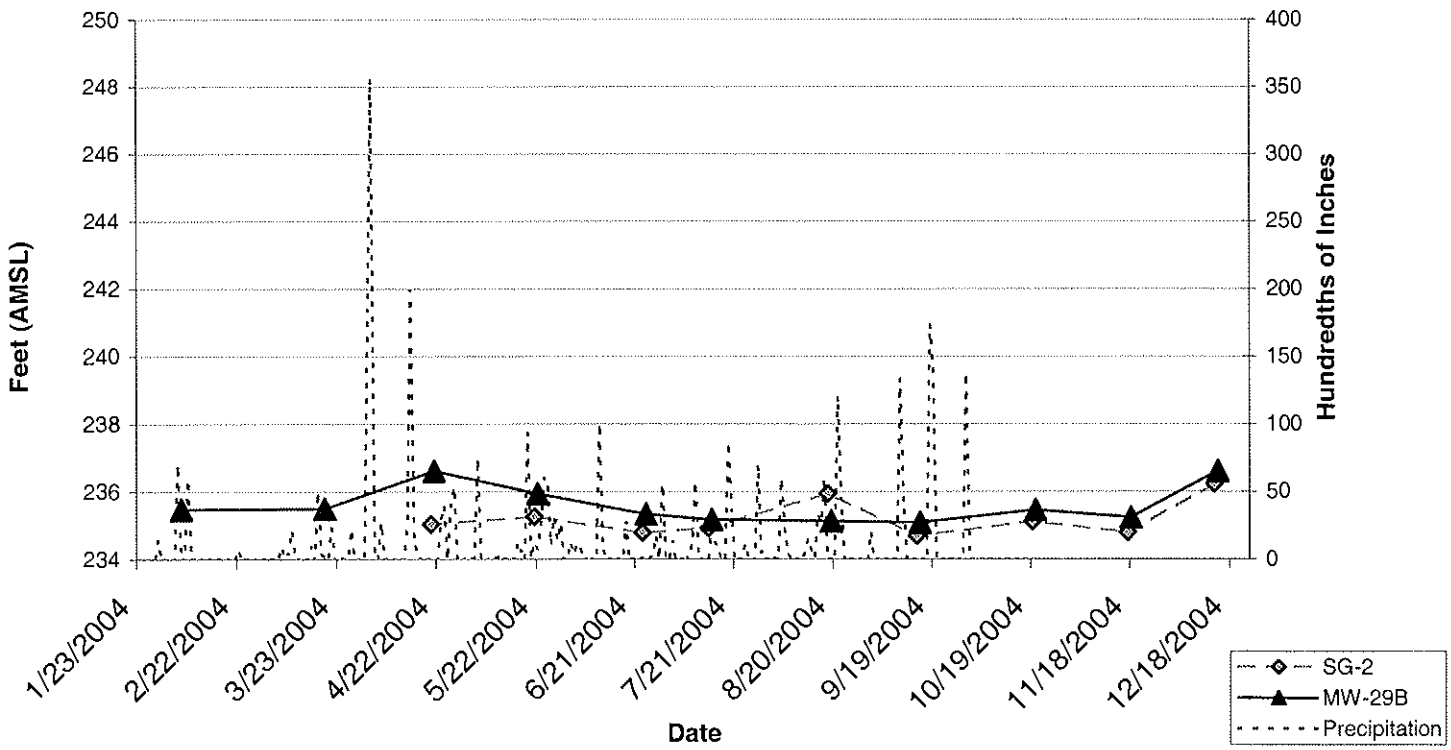
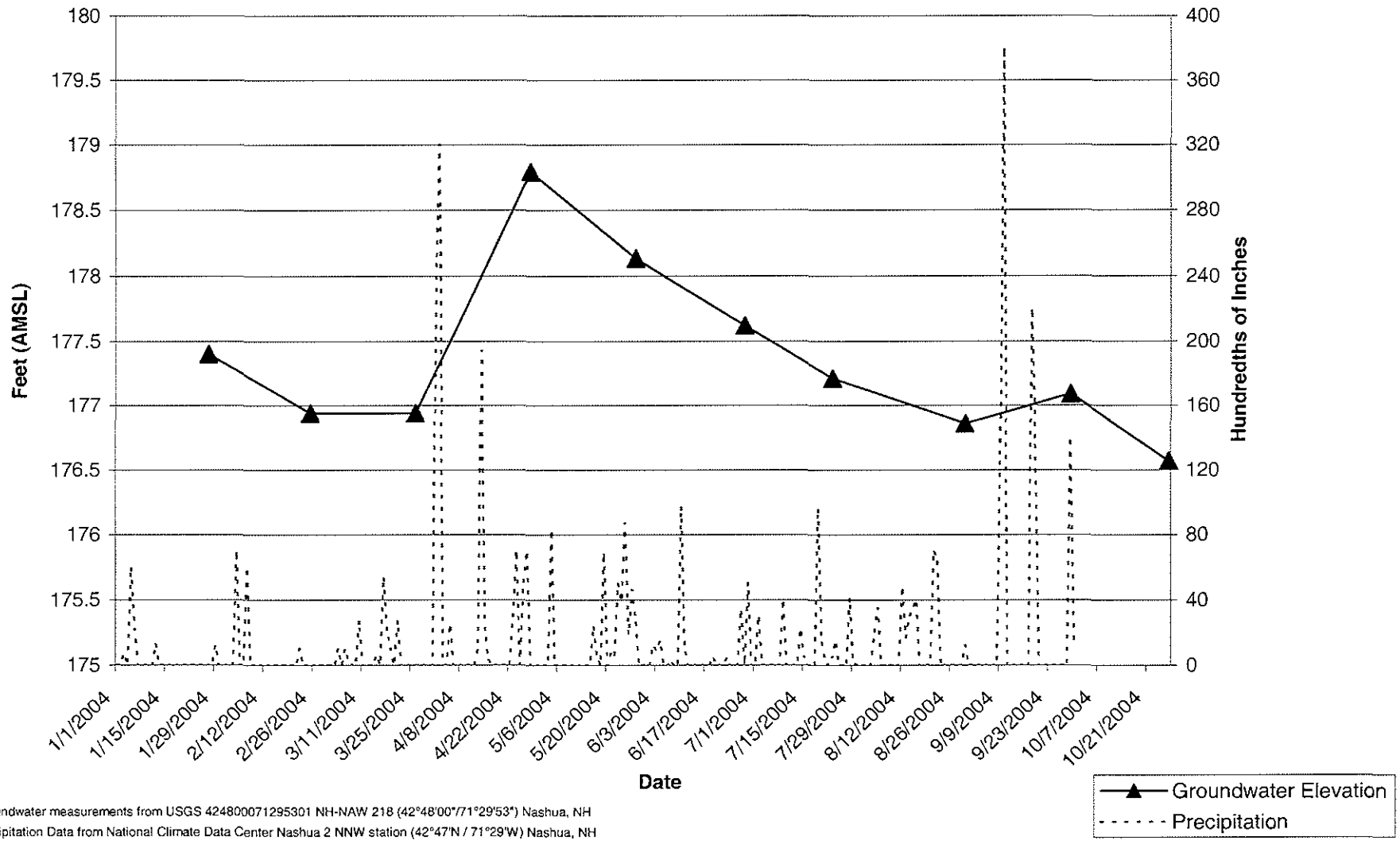
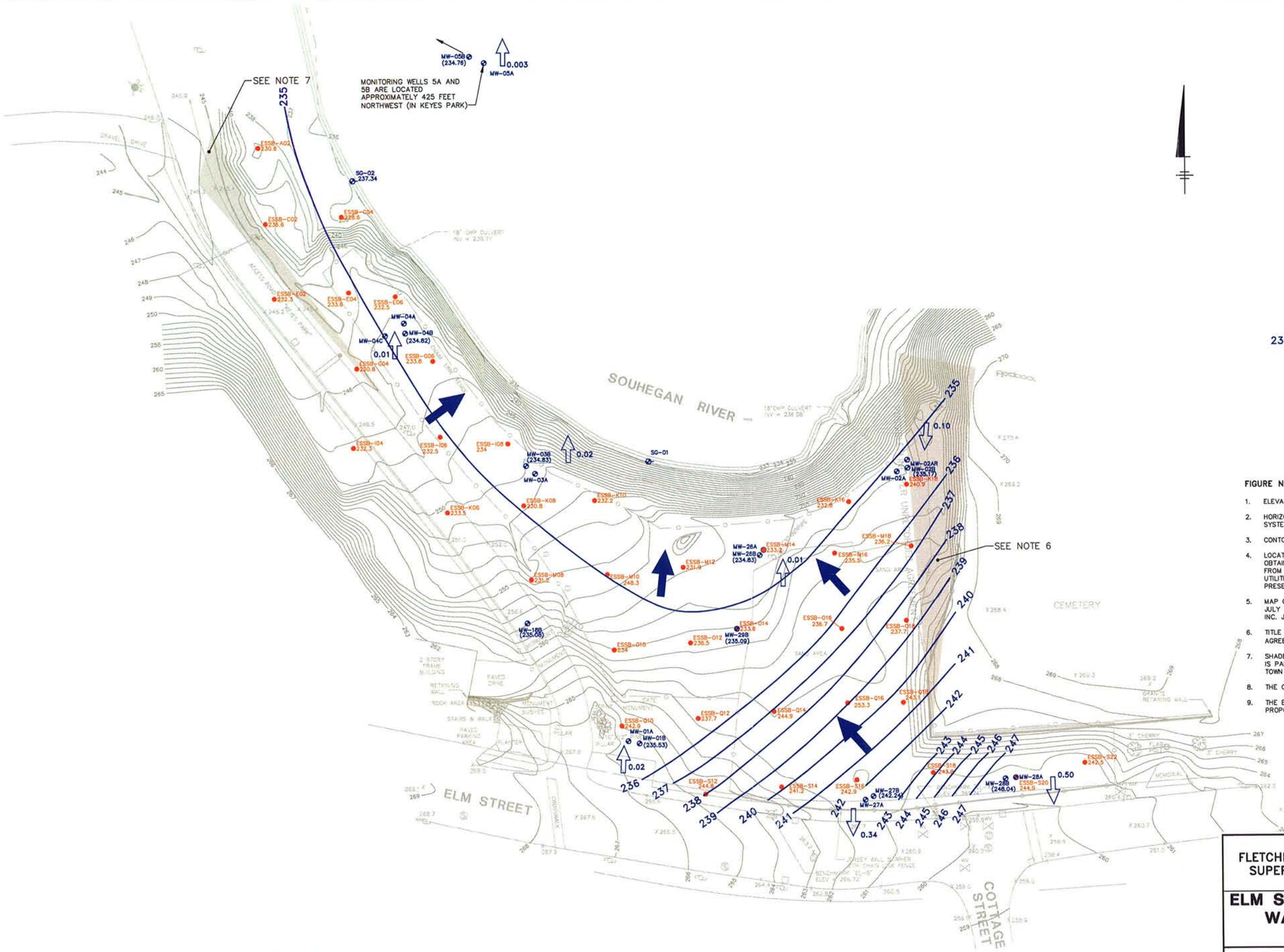


FIGURE 5
Regional Groundwater Elevation and Precipiation Data*



*Groundwater measurements from USGS 424800071295301 NH-NAW 218 (42°48'00"/71°29'53") Nashua, NH
*Precipitation Data from National Climate Data Center Nashua 2 NNW station (42°47'N / 71°29'W) Nashua, NH



LEGEND

- UTILITY POLE
- CATCH BASIN
- SANITARY MANHOLE
- STORM MANHOLE
- WATER VALVE
- WATER METER
- TELEPHONE JACK
- SURFACE ELEVATION CONTOUR
- EDGE OF TREES
- CHAIN LINK FENCE
- FIRE HYDRANT
- EDGE OF RIVER
- MW-02A — MONITORING WELL
- ESSB-K18 (241.9) — SOIL BORING WITH ELEVATION (FT. AMSL) OF BOTTOM OF BORING IN PARENTHESES
- SG-2 — STAFF GAUGE
- 237 — WATER TABLE CONTOUR LINE (ELEVATION IN FT. AMSL)
- (235.36) — GROUNDWATER ELEVATION (FT. AMSL)
- GENERALIZED HORIZONTAL GROUNDWATER FLOW DIRECTION
- 0.02 — VERTICAL HYDRAULIC GRADIENT AND DIRECTION
- DEPICTS APPROXIMATE ELEVATION OF 100-YEAR FLOOD PLAIN

FIGURE NOTES:

1. ELEVATIONS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
2. HORIZONTAL DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM OF 1983.
3. CONTOUR INTERVAL = 1 FEET.
4. LOCATION OF UNDERGROUND UTILITIES AND OTHER UNDERGROUND STRUCTURES OBTAINED BY FIELD MEASRUREMENTS WHERE POSSIBLE, OTHERWISE OBTAINED FROM OTHER SOURCES AND MAY BE APPROXIMATE ONLY.OTHER UNDERGROUND UTILITIES AND STRUCTURES MAY EXIST, THE LOCATION OF WHICH ARE PRESENTLY UNKNOWN.
5. MAP COMPILED FROM ACTUAL FIELD SURVEY PERFORMED BY BBL, INC. FROM JULY 16, 2003 THROUGH AUGUST 14, 2003 AND BY MERIDAN LAND SERVICES, INC. JANUARY 22, 2004.
6. TITLE TO SHADED AREA IS UNCERTAIN AT THIS TIME. NO BOUNDARY LINE AGREEMENT (REFERRED TO IN THE CHAIN OF TITLE) HAS BEEN FOUND.
7. SHADED AREA AT THE NORTHWEST CORNER OF THE LOT DEPICTS AREA WHICH IS PART OF THE ROAD TO THE KEYES FIELD PARCEL. NO CONVEYANCE TO THE TOWN FOR THIS AREA HAS BEED FOUND.
8. THE GROUNDWATER ELEVATIONS SHOWN ARE FROM B WELLS ONLY.
9. THE BOTTOM ELEVATION IS ONLY SHOWN FOR SOIL BORINGS THAT WERE PROPOSED TO BE SAMPLED CONTINUOUSLY TWO FEET INTO THE WATER TABLE.

0 30' 60'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
FLETCHER'S PAINT WORKS AND STORAGE FACILITY
SUPERFUND SITE – MILFORD, NEW HAMPSHIRE
PRE-DESIGN REPORT

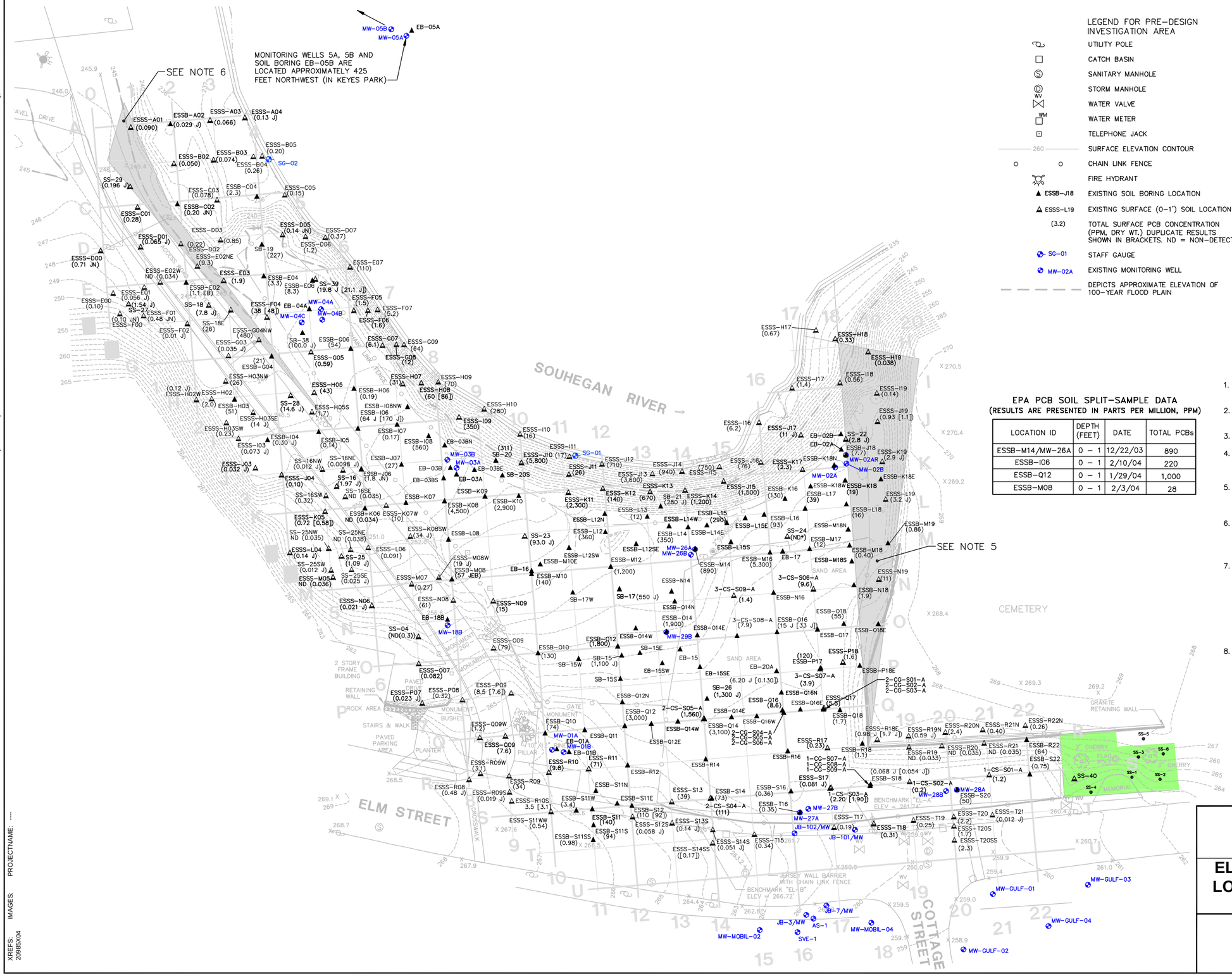
ELM STREET AREA - SEASONAL LOW WATER TABLE CONTOUR MAP (SEPTEMBER 14, 2004)

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

FIGURE 6

X: 10002X03.DWG
L: ON=*, OFF=*REF*, |E|BNDY_L, |E_EP, |E_FOLIAGE, |XWOODS
P: PAGESET/SYR-DL
1/14/05 SYR-BS-DMW KMD LJP NJR
C/10002071/10002W01.DWG

DRAFT
FOR EPA REVIEW



LEGEND FOR PRE-DESIGN INVESTIGATION AREA

- UTILITY POLE
- CATCH BASIN
- SANITARY MANHOLE
- STORM MANHOLE
- WATER VALVE
- WATER METER
- TELEPHONE JACK
- 260 — SURFACE ELEVATION CONTOUR
- CHAIN LINK FENCE
- FIRE HYDRANT
- ESSB-J18 — EXISTING SOIL BORING LOCATION
- ESSS-L19 — EXISTING SURFACE (0-1') SOIL LOCATION
- (3.2) — TOTAL SURFACE PCB CONCENTRATION (PPM, DRY WT.) DUPLICATE RESULTS SHOWN IN BRACKETS. ND = NON-DETECT.
- SG-01 — STAFF GAUGE
- MW-02A — EXISTING MONITORING WELL
- DEPICTS APPROXIMATE ELEVATION OF 100-YEAR FLOOD PLAIN

LEGEND FOR HISTORIC SOIL REMEDIATION AREA

- SS-1 — ESE GRAB SAMPLE LOCATION
- 1-FOOT REMOVAL

EPA PCB SOIL SPLIT-SAMPLE DATA

(RESULTS ARE PRESENTED IN PARTS PER MILLION, PPM)

LOCATION ID	DEPTH (FEET)	DATE	TOTAL PCBs
ESSB-M14/MW-26A	0 – 1	12/22/03	890
ESSB-I06	0 – 1	2/10/04	220
ESSB-Q12	0 – 1	1/29/04	1,000
ESSB-M08	0 – 1	2/3/04	28

NOTES:

1. ELEVATIONS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
2. HORIZONTAL DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM OF 1983.
3. CONTOUR INTERVAL = 1 FEET.
4. MAP COMPILED FROM ACTUAL FIELD SURVEY PERFORMED BY BBL, INC. FROM JULY 16, 2003 THROUGH AUGUST 14, 2003 AND BY MERIDAN LAND SERVICES, INC. JANUARY 22, 2004.
5. TITLE TO SHADED AREA IS UNCERTAIN AT THIS TIME. NO BOUNDARY LINE AGREEMENT (REFERRED TO IN THE CHAIN OF TITLE) HAS BEEN FOUND.
6. SHADED AREA AT THE NORTHWEST CORNER OF THE LOT DEPICTS AREA WHICH IS PART OF THE ROAD TO THE KEYES FIELD PARCEL. NO CONVEYANCE TO THE TOWN FOR THIS AREA HAS BEEN FOUND.
7. THE SAND AND GRAVEL CAP, INSTALLED FOLLOWING THE BUILDING DEMOLITION BY USEPA IN JAN. 2001, WAS OBSERVED TO BE APPROXIMATELY ONE FOOT THICK AT MOST LOCATIONS ACROSS THE PROPERTY. AT OTHER LOCATIONS, CAP THICKNESS WAS ESTIMATED AS FOLLOWS: 1.5 FEET AT EB-15SE, EB-15SW, I07, L08, AND M17; TWO FEET AT EB-15, M18S, O14, O18, Q12, Q12E, Q16N, AND R12; FOUR FEET AT M16; FIVE FEET AT S13 AND S18; AND UP TO SIX FEET ALONG THE CEMETERY WALL AS MEASURED AT P18.
8. THE DUPLICATE SAMPLE ESSS-S14SS WAS INADVERTENTLY ANALYZED WHILE PARENT SAMPLE WAS HELD.

DRAFT FOR EPA REVIEW

0 30' 60'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
FLETCHER'S PAINT WORKS AND STORAGE FACILITY
SUPERFUND SITE - MILFORD, NEW HAMPSHIRE
PRE-DESIGN REPORT

ELM STREET AREA - SOIL SAMPLING LOCATIONS AND SURFACE SOIL PCB SAMPLE DATA

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

FIGURE **7A**

CITY: SYRACUSE DIV/GROUP: ENV-CAD DB: DMW BKD LD: PIC: PM: TM: LYR:ON=*;OFF=*REF* LAYOUT: 7ASAVED: 4/2/2009 4:03 PM CADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/2/2009 4:34 PM BY: DECLERCQ, BRIAN
G:\GE\ENVCAD\SYRACUSE\ACT\B0020985\0000\0005\DWG\REPORT\PREDESIGN\20985G01.DWG
XREFS: IMAGES: PROJECTNAME: ----
20985X04

SUMMARY OF PRE-DESIGN INVESTIGATION (ppm, DRY WT.) (SAMPLE INCREMENTS IN FEET BELOW CAP)

SampleID	ESSB-A02	ESSB-C02	ESSB-C04	ESSB-E02	ESSB-E04	ESSB-E06	ESSB-G04	ESSB-G06	ESSB-H03	ESSB-H06	ESSB-I04	ESSB-I05	ESSB-I06	ESSB-I07	ESSB-I08	ESSB-I08NW	ESSB-J06	ESSB-J07	ESSB-J18	ESSB-K06	ESSB-K07	ESSB-K08	ESSB-K09	ESSB-K10	ESSB-K16	ESSB-K18	ESSB-K18E	ESSB-K18N	ESSB-K18W	ESSB-L08	ESSB-L12	SampleID
1-2	--	--	--	--	--	--	--	--	46 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.0	--	--	--	--	--	1-2
1-3	0.18	ND (0.034)	4.4 [3.2]	0.011 JEB	0.36 [0.44]	12	0.22	58	--	220	1.6	ND(0.035)	1,300	91	58	--	1.2 JN	46	8.6	ND (0.042)	2,100	1,000	4,300	50	62	--	75 [120]	45 [73]	22 J [38 J]	110 J	140	1-3
2-4	--	--	--	--	--	--	--	--	0.30 J (2-3')	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.1	--	--	--	--	--	2-4
3-5	0.022 J [0.018 JEB]	ND (0.044)	2.8	0.084 EB	6.0	36	0.055 J	52	--	6.8 [5.4]	0.068	ND(0.035)	17	16	0.89	--	2.0 JN	0.36 J	1.6	ND (0.035)[ND(0.034)]	2.8	68 [48]	68	7.4	2.4	--	29	0.11 J	280	0.94	40	3-5
4-6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	490	--	--	--	--	--	4-6
5-7	ND (0.046)	--	3.1	0.10 EB	2.1	6.1	ND (0.034) [ND (0.034)]	34	--	85	ND (0.035)	ND(0.035)	21	6.6	3.4 [3.1]	--	0.033 J	0.13	0.67	ND (0.035)	--	2.3	--	0.064	4.3	--	1.6	0.098 J	0.22	--	44	5-7
6-8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	--	--	--	--	--	6-8
7-9	--	--	--	0.021 JEB	26	11	0.024 J	17	--	8.8	0.38	0.016 J [0.025 J]	310	88	0.12	11	0.014 J	--	1.1	ND (0.035)	--	1.4	--	4.6 J	1.7	--	1.5	0.14 J	50	--	0.42	7-9
8-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	28	--	--	--	--	--	8-10
9-11	--	--	--	ND (0.042)	0.29	47	ND (0.041)	0.58	--	2.7	ND (0.044)	ND(0.038)	0.18 J	5.9	120	17	ND(0.041)	0.43	--	ND (0.035)	--	0.76	--	0.037 JN	190	--	0.23	2.6	300	--	52	9-11
10-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	--	--	--	--	--	10-12
11-13	--	--	--	ND (0.042)	--	0.046	ND (0.043)	0.054	--	--	ND (0.042)	--	1.4	0.063	15	9.9	--	0.028 J	73	0.10 J	--	0.24 J	--	2.1	2.7	--	0.10	1.3	720	--	58	11-13
12-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	70	--	--	--	--	--	12-14
13-15	--	--	--	--	--	--	ND (0.040)	--	--	--	ND (0.044)	--	0.15 J	--	0.071	--	--	0.045	0.24	ND (0.041)	--	0.044	--	0.051	0.14 J	--	ND (0.033)	0.18	0.098	--	40	13-15
14-16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	94	--	--	--	--	--	14-16
15-17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	46 [30]	ND (0.043)	--	ND (0.19)	--	0.25 J	0.64	--	2.7	7.7	0.020 J	--	0.23	15-17
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16-18
17-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.33	--	--	0.14	--	0.036 J	0.048 J	--	ND (0.033)	17	ND(0.038)	--	0.23	17-19
18-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18-20
19-21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.074	--	--	--	--	--	24	--	ND (0.035)	56	0.21 JN	--	--	19-21
20-22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20-22
21-23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.069	--	--	--	--	--	140 J	--	0.018 J	2.2	--	--	--	21-23
23-25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.030 J (23-24')	--	--	--	--	23-25

SampleID	ESSB-L12N	ESSB-L12SE	ESSB-L12SW	ESSB-L13	ESSB-L14	ESSB-L14E	ESSB-L14W	ESSB-L15	ESSB-L15E	ESSB-L15S	ESSB-L16	ESSB-L17	ESSB-L18	ESSB-M08	ESSB-M10	ESSB-M10E	ESSB-M12	ESSB-M14	ESSB-M16	ESSB-M17	ESSB-M18	ESSB-M18N	ESSB-M18S	ESSB-M19	ESSB-N14	ESSB-N16	ESSB-N18	ESSB-O10	ESSB-O12	ESSB-O14	ESSB-O14E	SampleID
1-2	--	--	--	--	--	--	--	1,100	520	40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1-2
1-3	240	0.26	10,000	--	7,200	420	3,200 [3,300]	--	--	--	--	--	3.5	7.2 EB	2.9	740 [450]	78 [110]	84 J	31	5.5 J	96 JN	2.1 [2.5]	2.8	2.0	6,900	0.076	0.16	23	92	17,000 [12,000]	21,000	1-3
2-4	--	--	--	--	--	--	--	10 J (2-3')	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2-4
3-5	140	0.81 J	19,000	150 [120](4-5')	23	200	2.3	--	470 [610]	--	--	--	1.8	0.079 EB	2.5	ND (46)	0.50	9.4	11	11,000	580	240	16	5.2 JN	7,800	0.18	120	7.8 J	14	16,000	8,500	3-5
4-6	--	--	--	230 (5-6')	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4-6
5-7	--	--	4,100	--	0.44 J	ND (51)	--	--	32	--	--	--	4.8	0.080 EB	--	6.6	0.31 J	80	86	180	0.40	140	0.24	0.084	810	900	18 J	14 J [34 J]	0.052 J	40,000	15,000 [17,000]	5-7
6-8	--	--	--	220 (6-7')	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6-8
7-9	--	--	8,800	--	10	200	--	--	--	--	5.6 [4.0]	890	0.52	0.035 JEB	--	16	0.45	21	42	--	0.12	--	--	--	360	1,700	8.3 (7-8')	46	11	240	34	7-9
8-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.7	--	--	--	--	8-10
9-11	--	--	2,800	--	6.7	3,900	--	--	--	--	0.32 J	19	10	ND (0.035)	--	36	0.45	0.74 [19 J]	0.25	--	0.024 J	--	--	--	1.5	0.15	--	0.022 J	2.2 J [0.23 J]	490	4.4	9-11
10-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10-12
11-13	--	--	240	--	--	--	--	--	--	--	0.16	8.1	3.6	ND (0.035)	--	1.3	0.034 J	0.39	0.47	--	2.8	--	--	--	4.0	--	--	0.13	0.09	19	2.4	11-13
12-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12-14
13-15	--	--	43	--	--	--	--	--	--	--	--	--	2.1	ND (0.037)	--	--	ND (0.036)	2.8	0.12 J	--	1.7 JN	--	--	--	0.91	--	--	0.044	ND (0.034)	--	2.3	13-15
14-16	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.04) (15-16')	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-16
15-17	--	--	15	--	--	--	--	--	--	--	--	--	1.2 J	--	--	--	1.8	--	1.4 J	--	0.014 J	--	--	--	1.4	--	--	0.030 J	0.33	150	0.51	15-17
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.24	--	--	--	--	--	--	--	--	--	--	--	--	--	16-18
17-19	--	--	--	--	--	--	--	--	--	--	--	--	0.26 J	--	--	--	ND (0.28)	--	0.75 JN	--	0.0096 J	--	--	--	6.0	--	--	ND (0.058)	0.0092 J	19	0.23	17-19
18-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.25	--	--	--	--	--	--	--	--	--	--	--	--	--	18-20
19-21	--	--	--	--	--	--	--	--	--	--	3.6	1.1	0.76	--	--	--	0.38	--	--	--	ND (0.047)	--	--	--	ND (0.13)	--	--	0.051 J	1.2	1.2	0.10	19-21
20-22	--	--	--	--	--	--	--	--	--	--	--	--	--	0.024 J	--	--	--	0.051 J	--	--	--	--	--	--	--	--	--	--	--	--	--	20-22
21-23	--	--	--	--	--	--	--	--	--	--	1,200	0.31	--	--	--	--	2.7	--	--	--	ND (0.041)	--	--	--	ND (0.061)	--	--	ND (0.039)	--	1.2	0.28	21-23

SampleID	ESSB-O14N	ESSB-O14W	ESSB-O16	ESSB-O17	ESSB-O18	ESSB-O18E	ESSB-P17	ESSB-P18E	ESSB-Q10	ESSB-Q11	ESSB-Q12	ESSB-Q12E	ESSB-Q12N	ESSB-Q14	ESSB-Q14E	ESSB-Q14W	ESSB-Q16	ESSB-Q16E	ESSB-Q16N	ESSB-Q16W	ESSB-Q18	ESSB-R12	ESSB-R14	ESSB-R16	ESSB-R18	ESSB-R22	ESSB-S11	ESSB-S11E	ESSB-S11N	ESSB-S11S	SampleID
1-2	--	--	--	--	1,800	--	9.1	--	--	--	240	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.080	1,000	170	1,000	1-2
1-3	24,000	640	4,600	18 EB	--	1.6 JN [1.5 JN]	--	0.080 J	1.5	0.25 JN	--	200	300	9,100	15,000	35	24	--	--	--	0.038	4,200	1,400	--	0.12	6.9	--	87 (2-3')	0.60 J (2-3')	330 (2-3')	1-3
2-4	--	--	--	--	2,700	--	--	--	--	--	130	--	--	--	--	--	--	75	--	--	--	--	--	1.2	--	--	--	--	--	--	2-4
3-5	14,000	0.20	540	37 EB	--	0.021 J	--	ND(0.034)	0.22	0.011 J (3-4')	--	0.27 (3-4')	2.4 (3-4')	0.16	7,700	4.2	22 [31]	--	120 [140]	15	0.0097 J [ND (0.036)]	340 (3-4')	2.6	--	--	--	--	--	--	--	3-5
4-6	--	--	--	--	2,100	--	--	--	--	0.047 J	0.076 J	0.058 J	5.2 [5.3]	--	--	--	--	1.0	0.60	0.097	--	0.92	--	ND (0.033)	--	--	--	--	--	--	4-6
5-7	25	0.052 J	1.3	150	--	ND(0.033)	--	ND(0.035)	0.19	--	--	--	--	0.10 [0.079 J]	--	--	56	--	--	--	ND (0.035)	--	--	--	--	--	--	--	--	--	5-7
6-8	--	--	--	--	450	--	--	--	--	--	2.6	--	--	--	--	--	--	1.2	4.4	0.91	--	--	--	0.21	--	--	--	--	--	--	6-8
7-9	220	0.024 J	190	2.4 JEB	--	0.11 J (7-8')	--	ND(0.034) (7-8')	ND (0.034)	--	--	--	--	--	--	--	--	--	--	--	0.030 J	--	--	--	--	--	--	--	--	--	7-9
8-10	--	--	--	--	2.5	0.12 J	--	ND(0.039)	--	--	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8-10
9-11	2.7	0.022 J	0.87	2.7 EB	--	--	--	--	ND (0.035)	--	--	--	--	--	--	--	--	--	--	--	0.014 J	--	--	--	--	--	--	--	--	--	9-11
10-12	--	--	--	--	0.93	--	--	--	--	--	0.094	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10-12
11-13	1.1 (11-11.4')	0.17	0.045	--	--	--	--	--	ND (0.051)	--	--	--	--	44	--	--	--	--	--	--	0.042 J	--	--	--	--	--	--	--	--	--	11-13
12-14	--	--	--	--	0.018 J	--	--	--	--	--	0.012 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12-14
13-15	--	0.65 J	0.020 J	--	--	--	--	--	ND (0.042)	--	--	--	--	5.2	--	--	--	--	--	--	ND (0.037)	--	--	--	--	--	--	--	--	--	13-15
14-16	--	--	--	--	0.086	--	--	--	--	--	0.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-16
15-17	5.3 (15-15.5')	ND (0.43)	0.036 J	--	--	--	--	--	0.72	--	--	--	--	--	--	--	--	--	--	--	0.024 J	--	--	--	--	--	--	--	--	--	15-17
16-18	--	--	--	--	ND (0.036)	--	--	--	--	--	0.072 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16-18
17-19	--	0.25	0.049	--	--	--	--	--	2.5 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-19
18-20	--	--	--	--	0.030 J	--	--	--	--	--	0.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18-20
19-21	--	0.040 J	0.40 JN	--	--	--	--	--	0.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19-21
20-22	--	--	--	--	ND (0.039)[ND(0.039)]	--	--	--	--	--	0.020 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20-22
21-23	--	0.017 J	ND (0.046)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21-23

SampleID	ESSB-S11SS	ESSB-S11W	ESSB-S12	ESSB-S14	ESSB-S16	ESSB-S18	ESSB-S20	ESSB-S22	ESSB-T16	EB-03B	EB-03BE	EB-03BN	EB-03BS	EB-15	EB-15SE	EB-15SW	EB-20A	SB-15	SB-15E	SB-15S	SB-15W	SB-17	SB-17W	SB-19	SB-20	SB-20S	SB-21	SB-26	SB-38	3-CS-S08-A	SampleID
1-2	0.65	3.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,300	--	--	--	--	--	4.4 JN	200	--	400	--	7.9 J [0.043 J]	--	1-2
1-3	0.12 J (2-3')	--	1.3	0.032 J	0.030 J	ND (0.033)	0.088	0.0093 J	0.053 J	390 [410]	670	34	9.0 J	--	540 (1-2.5')	1,500	250	400 J	160	510	660	680	2.4	--	25 (2'-3')	--	3.3 (2-3')	950	--	460 [410]	1-3
2-4	--	--	--	--	--	--	--	--	--	--	--	--	--	0.19 J [0.20 J] (2.5-4.5')	880 (2.5-4.5')	--	--	3,000 JN (2-3')	--	--	--	--	--	--	--	170 (3-4')		--	--	--	2-4
3-5	--	--	0.23	0.0090 J	0.15	ND (0.034)	0.076	0.0095 J	1.4	370	180	6.8	21	--	--	980	17 EB	0.26	7.7	0.56 J	3.8	2.9	--	--	--	101 (4-5')	--	470	--	1.6	3-5
4-6	--	--	--	--	--	--	--	--	--	--	--	--	--	0.29 (4.5-6.5')	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4-6
5-7	--	--	0.091	43	0.044 J	ND (0.035)	ND (0.050)	ND (0.035)	0.028 J	2,000	140	1.9	890	--	--	1,200	210 EB	0.017 J	5.5	0.049 J	20	--	--	--	--	71 (5-6')	--	--	--	0.060 J	5-7
6-8	--	--	--	--	--	--	--	--	--	--	--	--	--	0.15 JN (6.5-8.5')	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6-8
7-9	--	--	0.051	0.046 J	0.21	ND (0.036)	0.042 [0.031 J]	0.097	0.056 J	--	--	--	--	--	--	69	103 EB	--	--	--	--	--	--	--	--	--	--	--	--	0.57	7-9
8-10	--	--	--	--	--	--	--	--	--	--	--	--	--	0.72 (8.5-10.5')	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8-10
9-11	--	--	0.050	10	0.37	0.0094 J	0.068	ND (0.035)	0.68	0.055	--	0.094	--	--	--	0.69	0.053	--	--	--	--	--	--	--	--	--	--	--	--	ND(0.035)	9-11
10-12	--	--	--	--	--	--	--	--	--	--	--	--	--	0.067 JN (10.5-12)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10-12
11-13	--	--	0.11	ND (0.042)	2.9	0.072 (11-12')	0.11	0.045	6.4	--	--	300	--	--	--	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11-13
12-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12-14
13-15	--	--	0.089	0.14	2.7	--	0.057	0.13	0.44	0.096	--	1.0 JN	--	--	--	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13-15
14-16	--	--	--	--	--	--	--	--	--	--	--	--	--	0.28 (14-14.5)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14-16
15-17	--	--	0.084	0.022 J	0.29	--	--	0.038 J	0.20	--	--	0.54 J	--	0.037 J (14.5-16.5')	--	0.011 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15-17
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16-18
17-19	--	--	0.050	0.051 J	--	--	--	--	0.034 J	--	--	--	--	0.056 J (16.5-18.5')	--	0.053 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17-19
18-20	--	--	--	--	--	--	--	--	--	--	--	--	--	0.027 J (18.5-20.5')	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18-20
19-21	--	--	--	0.056 J (19-20')	--	--	--	--	--	--	--	--	--	--	--	0.036 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19-21
20-22	--	--	--	--	--	--	--	--	--	--	--	--	--	0.036 J (20.5-22.5')	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20-22
21-23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.091 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21-23

EPA PCB SOIL SPLIT-SAMPLE DATA
(RESULTS ARE PRESENTED IN PARTS PER MILLION, PPM)

LOCATION ID	DEPTH (FEET)	DATE	TOTAL PCBs
ESSB-I06	1-3	2/10/2004	890
	3-5	2/10/2004	26
	5-7	2/10/2004	460
	7-9	2/10/2004	250
	9-11	2/10/2004	0.16
	11-13	2/10/2004	0.51
	13-15	2/10/2004	0.12
ESSB-M08	1-3	2/3/2004	6.1
	3-5	2/3/2004	0.11
	5-7	2/3/2004	0.075
	7-9	2/3/2004	0.11
	9-11	2/3/2004	0.030 J
	11-13	2/3/2004	0.033 J
	13-15	2/3/2004	ND(0.013 J)
	15-16	2/3/2004	ND(0.014 J)
	20-22	2/3/2004	0.027 J
ESSB - Q12	1-2	1/29/2004	140
	2-4	1/29/2004	34
	4-6	1/29/2004	0.77
	6-8	1/29/2004	1.6
	8-10	1/29/2004	0.21
	10-12	1/29/2004	0.13
	12-14	1/29/2004	0.068
	14-16	1/29/2004	0.41
	16-18	1/29/2004	ND(0.0077)
	18-20	1/29/2004	0.18
	20-22	1/29/2004	0.049

SUMMARY OF HISTORIC EPA DATA (ppm, DRY WT.) (SAMPLE INCREMENTS IN FEET)			
1-CG-S07-A	0.023 J (0-2')		
1-CG-S08-A	ND(0.042) (2-4')		
1-CG-S09-A	ND(0.042) (4-6')		
2-CG-S01-A	3.40 (0-2')		
2-CG-S02-A	ND(0.040) (2-4')		
2-CG-S03-A	ND(0.044) (4-6')		
2-CG-S04-A	4.90 (0-2')		
2-CG-S05-A	27.90 (2-4')		
2-CG-S06-A	218 (4-6')		
EB-01A	ND (40-41.5')		
EB-01B	ND (20-21.5')		
EB-02A	12.0 (1-3')	1.2 J (24-28')	
EB-02B	0.46 (25-28')		
EB-03A	0.041 (45-46.5')		
EB-03B	20.0 J (7-9')	150 J (11-13')	3.70 J [5.70 J] (15-21')
EB-04A	0.29 (17-19')		
EB-05A	0.027 J (12-14')	ND(0.086) (42-44')	
EB-06C	ND(0.084) (20-22')	ND(0.073) (53-55')	
EB-11A	0.023 J (30-31.5')	ND(0.074) (73-77')	
EB-15	5,000 J (1-2.5')	8.8 J (24-26')	
EB-16	0.069 J (20-21.5')	0.019 J (38-39.5')	
EB-17	11.0 J (10-12')	90.0 J (27-29')	
EB-18B	ND(0.077) (17-18')	ND(0.080) (22-25')	ND(0.077) (55-56.5')
EB-20A	6.20 J [0.130] (0-4')	2.60 J (12-14')	13.0 J (26-30')
SS-04	0.052 (7-9')		

NOTES:

1. ND (0.038) = NOT DETECTED. DETECTION LIMIT IN PARENTHESES, (IF AVAILABLE).
2. [0.067] = DUPLICATE ANALYSIS RESULT SHOWN IN BRACKETS.
3. JN = INDICATES THE PRESENCE OF A COMPOUND FOR WHICH THERE IS PRESUMPTIVE EVIDENCE TO MAKE A TENTATIVE IDENTIFICATION.
4. EB = THE COMPOUND WAS IDENTIFIED IN AN AQUEOUS EQUIPMENT BLANK.
5. J = INDICATES THE DETECTED CONCENTRATION IS CONSIDERED AN ESTIMATED VALUE.
6. EPA DATA INCREMENTS ARE HISTORIC, SHOWN AS FEET BELOW PREVIOUSLY EXISTING GRADE.
7. YELLOW SHADING INDICATES SAMPLES CONTAINING PCBs IN EXCESS OF SOIL CLEANUP LEVEL SPECIFIED IN ROD.

DRAFT
FOR EPA REVIEW

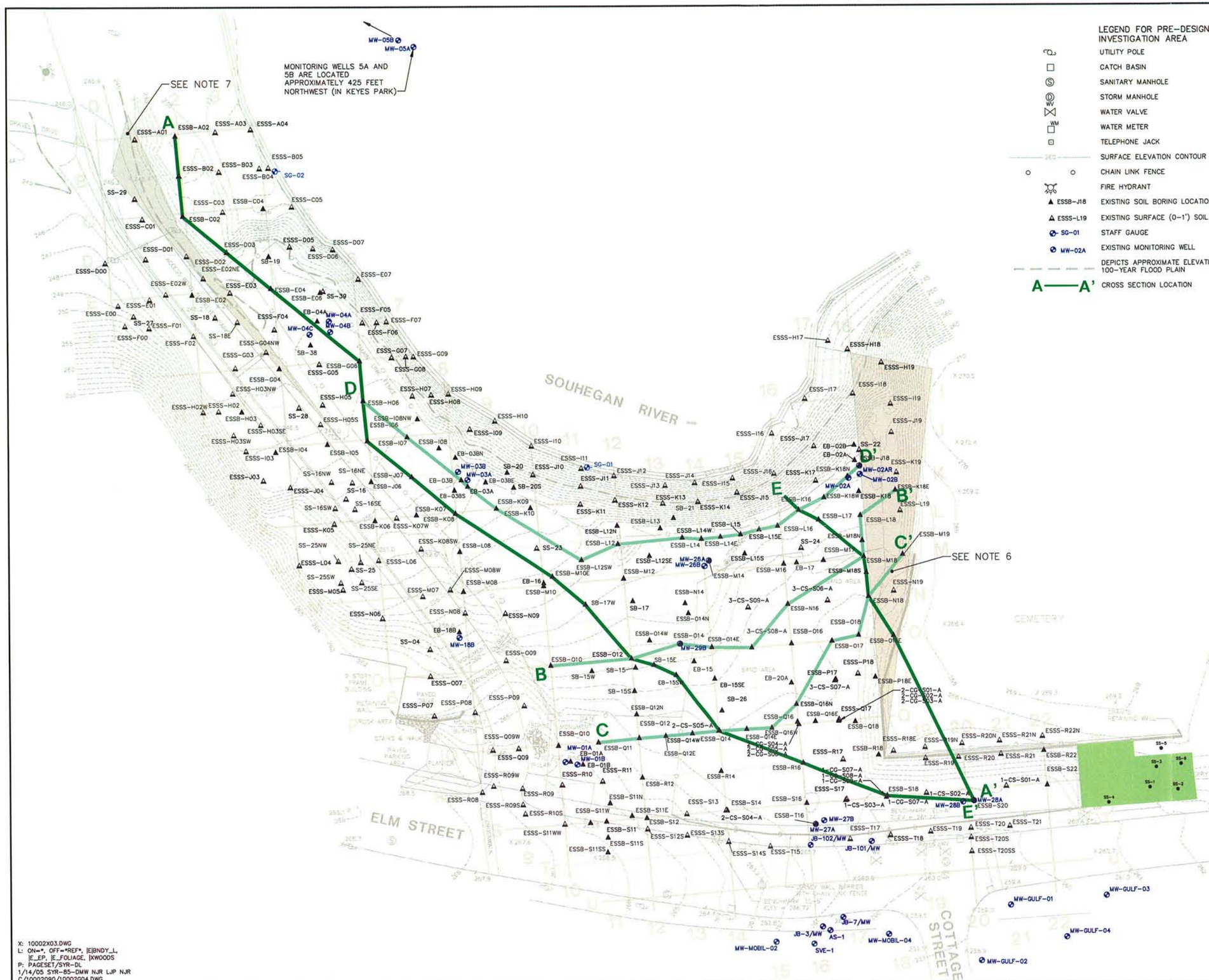
GENERAL ELECTRIC COMPANY
FLETCHER'S PAINT WORKS AND STORAGE FACILITY
SUPERFUND SITE - MILFORD, NEW HAMPSHIRE
PRE-DESIGN REPORT

ELM STREET AREA - SUBSURFACE SOIL PCB SAMPLE DATA

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

FIGURE
7B

CITY: SYRACUSE DIV/GROUP: ENV-CAD DB: DMW BKD LD: PIC: PM: TM: LYR:ON=*;OFF=*REF*
G:\GE\ENVCAD\SYRACUSE\ACT\C\B0020985\0000\00005\DWG\REPORT\PREDESIGN\20985G02.DWG LAYOUT: 7B SAVED: 4/2/2009 4:28 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/2/2009 4:35 PM BY: DECLERCQ, BRIAN
XREFS: IMAGES: PROJECTNAME: ---



LEGEND FOR PRE-DESIGN INVESTIGATION AREA

- UTILITY POLE
- CATCH BASIN
- SANITARY MANHOLE
- STORM MANHOLE
- WATER VALVE
- WATER METER
- TELEPHONE JACK
- SURFACE ELEVATION CONTOUR
- CHAIN LINK FENCE
- FIRE HYDRANT
- ESSB-J18 — EXISTING SOIL BORING LOCATION
- ESSS-L19 — EXISTING SURFACE (0-1') SOIL LOCATION
- SG-01 — STAFF GAUGE
- MW-02A — EXISTING MONITORING WELL
- DEPICTS APPROXIMATE ELEVATION OF 100-YEAR FLOOD PLAIN
- A——A' CROSS SECTION LOCATION

LEGEND FOR HISTORIC SOIL REMEDIATION AREA

- SS-1 ● ESE GRAB SAMPLE LOCATION
- 1-FOOT REMOVAL

NOTES:

1. ELEVATIONS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
2. HORIZONTAL DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM OF 1983.
3. CONTOUR INTERVAL = 1 FEET.
4. MAP COMPILED FROM ACTUAL FIELD SURVEY PERFORMED BY BBL, INC. FROM JULY 16, 2003 THROUGH AUGUST 14, 2003 AND BY MERIDAN LAND SERVICES, INC. JANUARY 22, 2004.
5. TITLE TO SHADED AREA IS UNCERTAIN AT THIS TIME. NO BOUNDARY LINE AGREEMENT (REFERRED TO IN THE CHAIN OF TITLE) HAS BEEN FOUND.
6. SHADED AREA AT THE NORTHWEST CORNER OF THE LOT DEPICTS AREA WHICH IS PART OF THE ROAD TO THE KEYES FIELD PARCEL. NO CONVEYANCE TO THE TOWN FOR THIS AREA HAS BEED FOUND.
7. THE SAND AND GRAVEL CAP, INSTALLED FOLLOWING THE BUILDING DEMOLITION BY USEPA IN JAN. 2001, WAS OBSERVED TO BE APPROXIMATELY ONE FOOT THICK AT MOST LOCATIONS ACROSS THE PROPERTY. AT OTHER LOCATIONS, CAP THICKNESS WAS ESTIMATED AS FOLLOWS: 1.5 FEET AT EB-15SE, EB-15SW, I07, L08, AND M17; TWO FEET AT EB-15, M18S, O14, O18, Q12, Q12E, Q16N, AND R12; FOUR FEET AT M16; FIVE FEET AT S13 AND S18; AND UP TO SIX FEET ALONG THE CEMETERY WALL AS MEASURED AT P18.
8. SOIL BORING LOGS FOR SAMPLE LOCATIONS INCLUDED IN CROSS SECTIONS ARE PROVIDED IN APPENDIX M WITH EXCEPTION. SOIL BORING LOGS FOR SHALLOW SAMPLE LOCATIONS (<7 FEET BGS) OF FOR AREAS WHERE THERE IS SUFFICIENT LOG COVERAGE ARE NOT INCLUDED IN APPENDIX M, BUT ARE INCORPORATED IN CROSS SECTIONS WITH DATA FOR COMPLETENESS.

DRAFT
FOR EPA REVIEW

0 30' 60'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
FLETCHER'S PAINT WORKS AND STORAGE FACILITY
SUPERFUND SITE – MILFORD, NEW HAMPSHIRE
PRE-DESIGN REPORT

ELM STREET AREA - OVERBURDEN CROSS SECTION LOCATIONS

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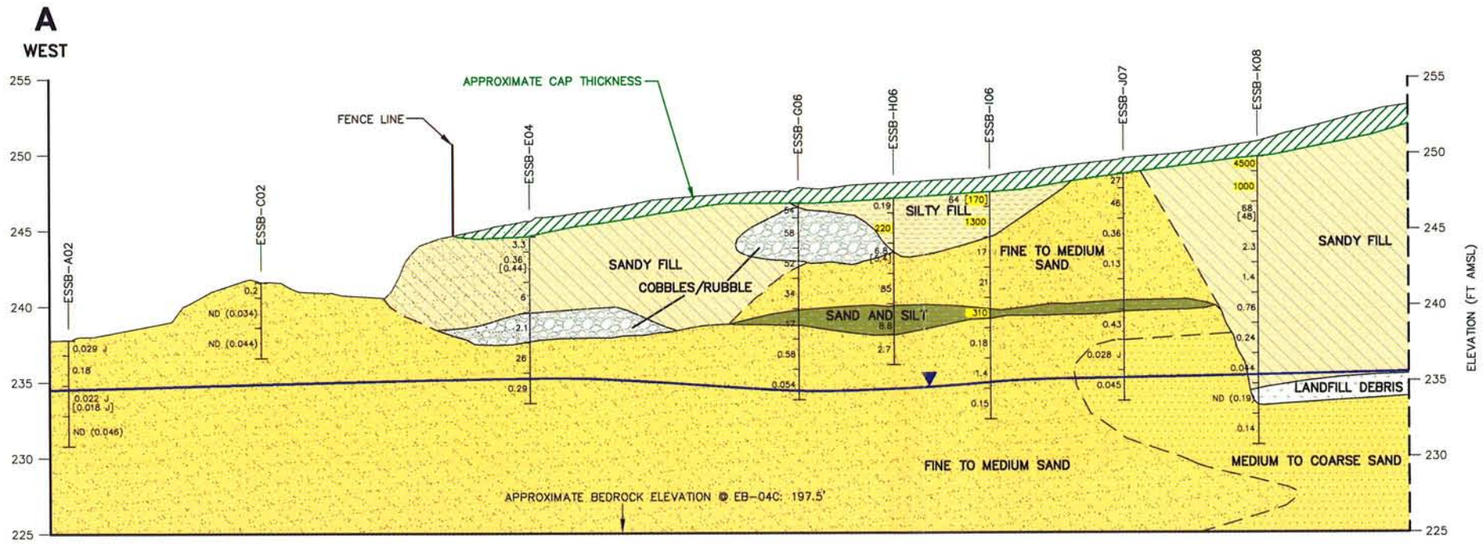
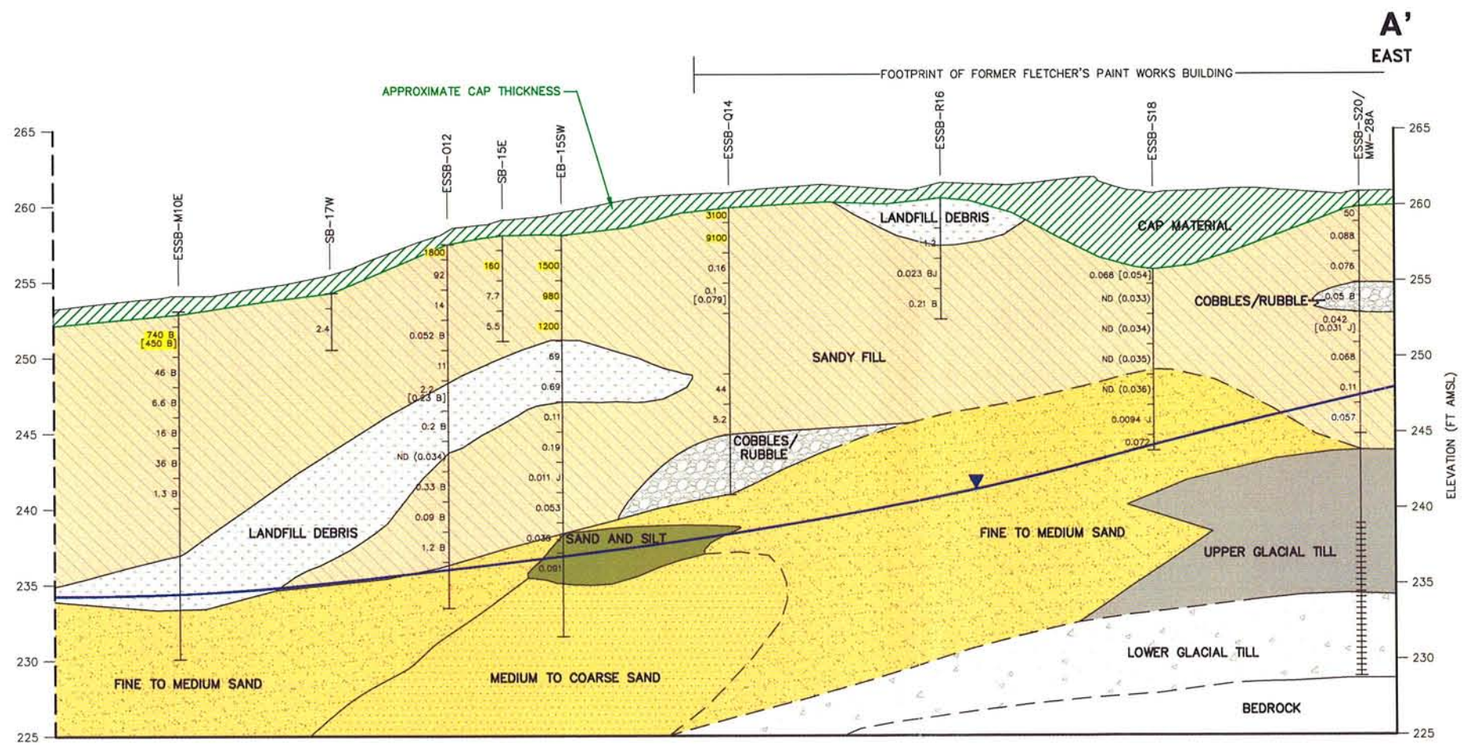
engineers, scientists, economists

FIGURE
8

X: 10002X03.DWG
L: ON=*, OFF=*REF*, |E|BNDY_L, |E_EP, |E_FOLIAGE, |XWOODS
P: PAGESET/SYR-DL
1/14/05 SYR-85-DMW NJR LJP NJR
C/10002090/10002G04.DWG





LEGEND:

- ESSB-Q14W — BORING/WELL ID
- TOP OF BORING/WELL
- 35 — PCB RESULTS SHOWN IN ppm (SHADED VALUES EXCEED SUBSURFACE SOIL CLEANUP LEVELS)
- 4.2 — SAMPLE INTERVAL
- SEASONAL LOW WATER TABLE (9/14/04)
- SCREEN INTERVAL
- BOTTOM OF BORING/WELL
- CAP MATERIAL
- SANDY FILL
- SILTY FILL
- COBBLES/BOULDERS/RUBBLE
- LANDFILL DEBRIS
- SAND AND SILT
- NATIVE SAND MATERIAL/FINE TO MEDIUM SAND (OUTWASH DEPOSITS)
- NATIVE SAND MATERIAL/MEDIUM TO COARSE SAND (OUTWASH DEPOSITS)
- WEATHERED ROCK (LOWER GLACIAL TILL)
- BEDROCK (GNEISS OR GRANITE)
- UPPER GLACIAL TILL

NOTES:

1. ELEVATIONS BASED ON NORTH AMERICAN DATUM OF 1988.
2. CONTACTS ARE DASHED WHERE INFERRED.
3. [0.067] = DUPLICATE ANALYSIS RESULT SHOWN IN BRACKETS.
4. B = INDICATES THE ANALYTE WAS ALSO DETECTED IN THE ASSOCIATED METHOD BLANK.
5. J = INDICATES THE DETECTED CONCENTRATION IS CONSIDERED AN ESTIMATED VALUE.
6. ND (0.038) = NOT DETECTED. DETECTION LIMIT IN PARENTHESES, (IF AVAILABLE).
7. SEASONAL LOW WATER TABLE BASED ON CONTOURED DATA SHOWN ON FIGURE 6.

0 20' 40' HORIZONTAL SCALE

0 5' 10' VERTICAL SCALE

DRAFT
FOR EPA REVIEW

GENERAL ELECTRIC COMPANY
FLETCHER'S PAINT WORKS AND STORAGE FACILITY
SUPERFUND SITE – MILFORD, NEW HAMPSHIRE
PRE-DESIGN REPORT

ELM STREET AREA - CROSS SECTION A - A'

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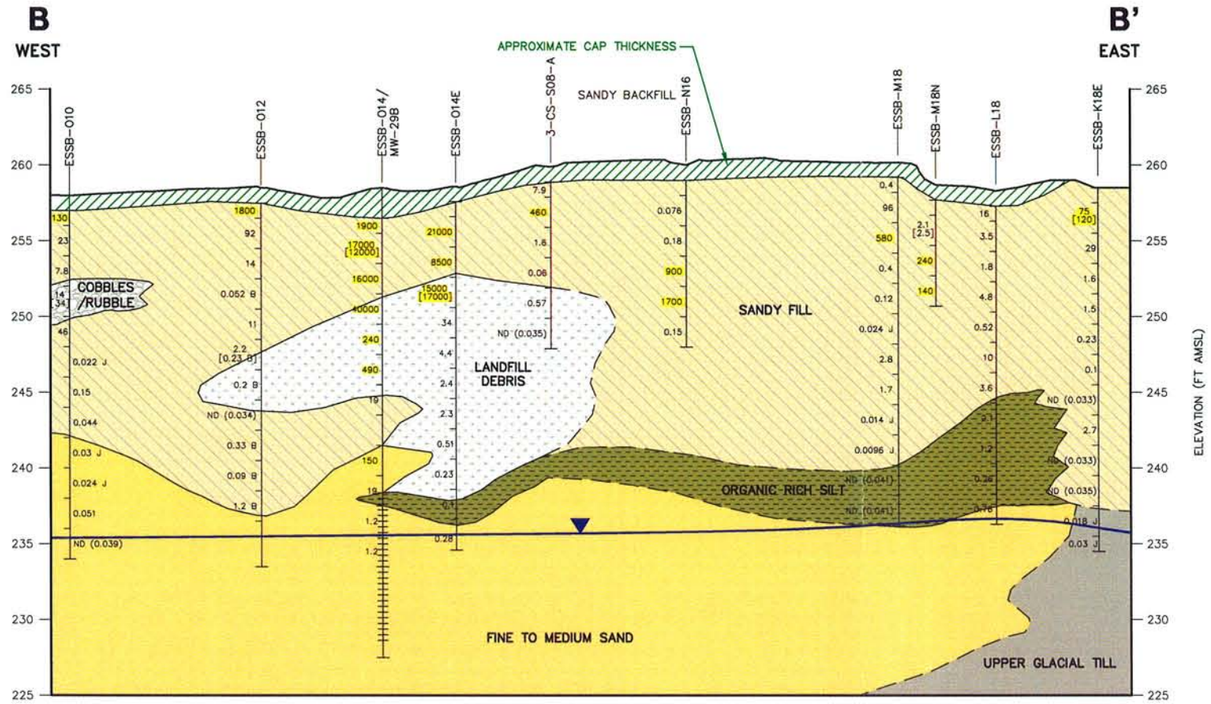
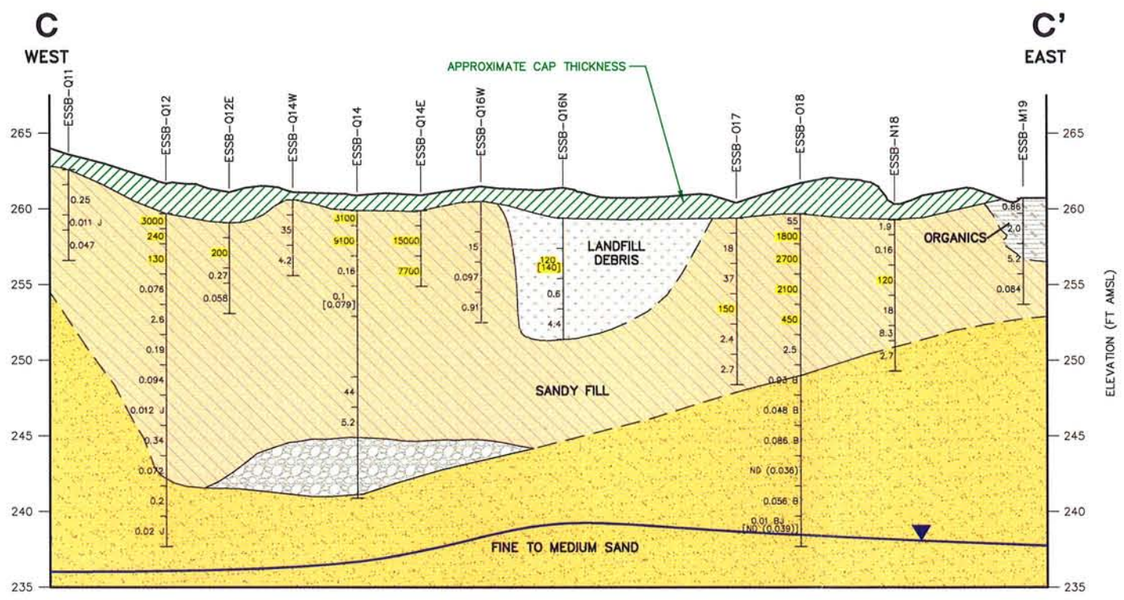
engineers, scientists, economists

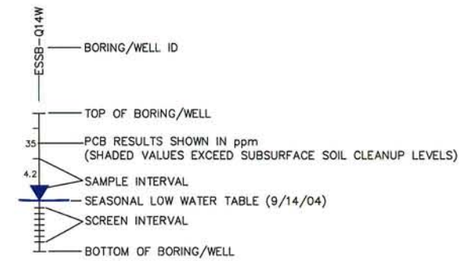
FIGURE 9

L: ON=*, OFF=REF
P: PAGESET/PLT-DL
1/14/05 SYR-85-NJR GMS LJP RCB
C/10002090/10002V02.DWG





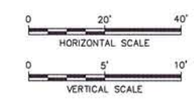
LEGEND:



- CAP MATERIAL
- SANDY FILL
- COBBLES/BOULDERS/RUBBLE
- LANDFILL DEBRIS
- COMPOSTED ORGANICS
- ORGANIC RICH SILT
- NATIVE SAND MATERIAL/FINE TO MEDIUM SAND (OUTWASH DEPOSITS)
- UPPER GLACIAL TILL

NOTES:

1. ELEVATIONS BASED ON NORTH AMERICAN DATUM OF 1988.
2. CONTACTS ARE DASHED WHERE INFERRED.
3. [0.067] = DUPLICATE ANALYSIS RESULT SHOWN IN BRACKETS.
4. B = INDICATES THE ANALYTE WAS ALSO DETECTED IN THE ASSOCIATED METHOD BLANK.
5. J = INDICATES THE DETECTED CONCENTRATION IS CONSIDERED AN ESTIMATED VALUE.
6. ND (0.038) = NOT DETECTED. DETECTION LIMIT IN PARENTHESES, (IF AVAILABLE).
7. SEASONAL LOW WATER TABLE BASED ON CONTOURED DATA SHOWN ON FIGURE 6.



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FOR EPA REVIEW

GENERAL ELECTRIC COMPANY
FLETCHER'S PAINT WORKS AND STORAGE FACILITY
SUPERFUND SITE – MILFORD, NEW HAMPSHIRE
PRE-DESIGN REPORT

ELM STREET AREA - CROSS SECTION B - B' & C - C'

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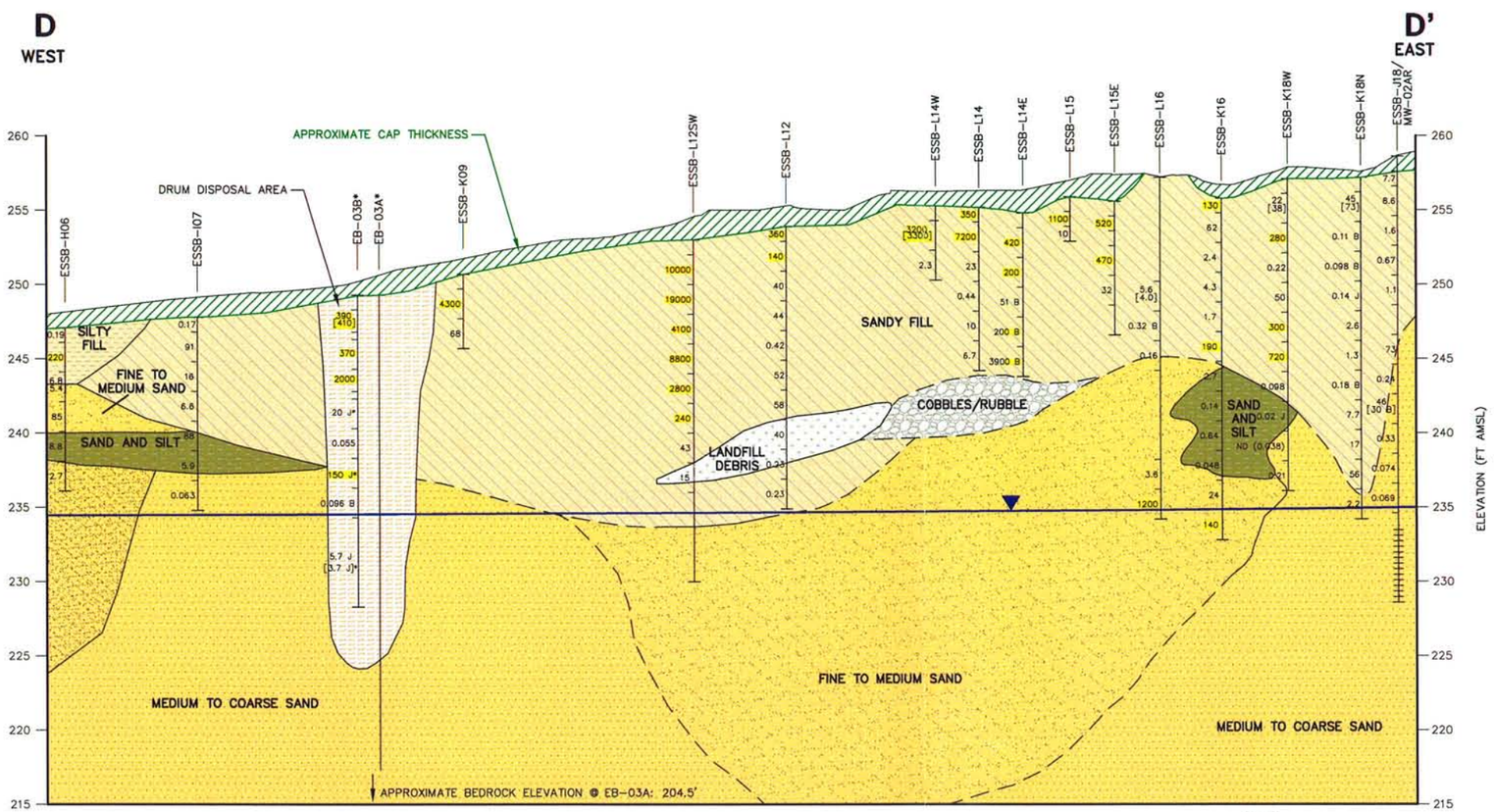
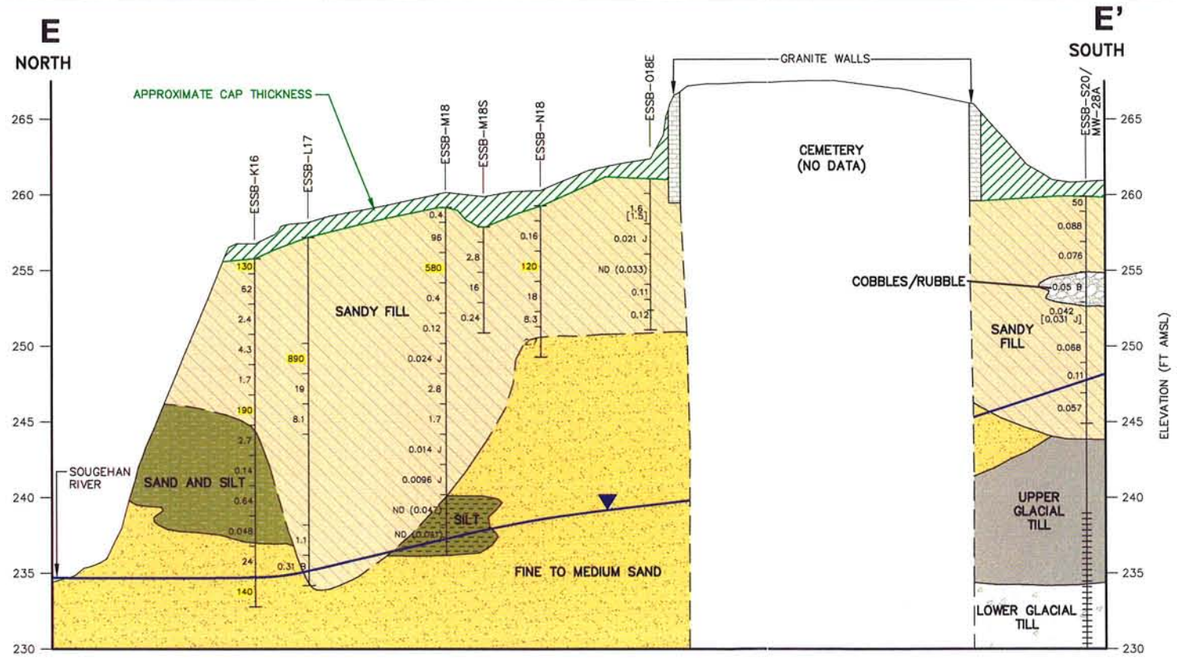
engineers, scientists, economists

FIGURE
10

L: ON=*, OFF=REF
P: PAGESET/SYR-DL
1/14/05 SYR-85-NJR LJP NJR RCB
C/10002090/10002V01.DWG





LEGEND:

- BORING/WELL ID (ESSB-Q14W)
- TOP OF BORING/WELL
- PCB RESULTS SHOWN IN ppm (SHADED VALUES EXCEED SUBSURFACE SOIL CLEANUP LEVELS)
- SAMPLE INTERVAL
- SEASONAL LOW WATER TABLE (9/14/04)
- SCREEN INTERVAL
- BOTTOM OF BORING/WELL
- CAP MATERIAL
- SANDY FILL
- SILTY FILL
- COBBLES/BOULDERS/RUBBLE
- LANDFILL DEBRIS
- DRUM DISPOSAL AREA
- ORGANIC RICH SILT AND SAND
- ORGANIC RICH SILT
- NATIVE SAND MATERIAL/FINE TO MEDIUM SAND (OUTWASH DEPOSITS)
- NATIVE SAND MATERIAL/MEDIUM TO COARSE SAND (OUTWASH DEPOSITS)
- UPPER GLACIAL TILL
- WEATHERED ROCK (LOWER GLACIAL TILL)

NOTES:

1. ELEVATIONS BASED ON NORTH AMERICAN DATUM OF 1988.
2. CONTACTS ARE DASHED WHERE INFERRED.
3. [0.067] = DUPLICATE ANALYSIS RESULT SHOWN IN BRACKETS.
4. B = INDICATES THE ANALYTE WAS ALSO DETECTED IN THE ASSOCIATED METHOD BLANK.
5. J = INDICATES THE DETECTED CONCENTRATION IS CONSIDERED AN ESTIMATED VALUE.
6. ND (0.038) = NOT DETECTED. DETECTION LIMIT IN PARENTHESES, (IF AVAILABLE).
7. * = HISTORIC EPA DATA.
8. SEASONAL LOW WATER TABLE BASED ON CONTOURED DATA SHOWN ON FIGURE 6.

0 20' 40' HORIZONTAL SCALE

0 5' 10' VERTICAL SCALE

DRAFT
FOR EPA REVIEW

GENERAL ELECTRIC COMPANY
FLETCHER'S PAINT WORKS AND STORAGE FACILITY
SUPERFUND SITE – MILFORD, NEW HAMPSHIRE
PRE-DESIGN REPORT

ELM STREET AREA - CROSS SECTION D - D' & E - E'

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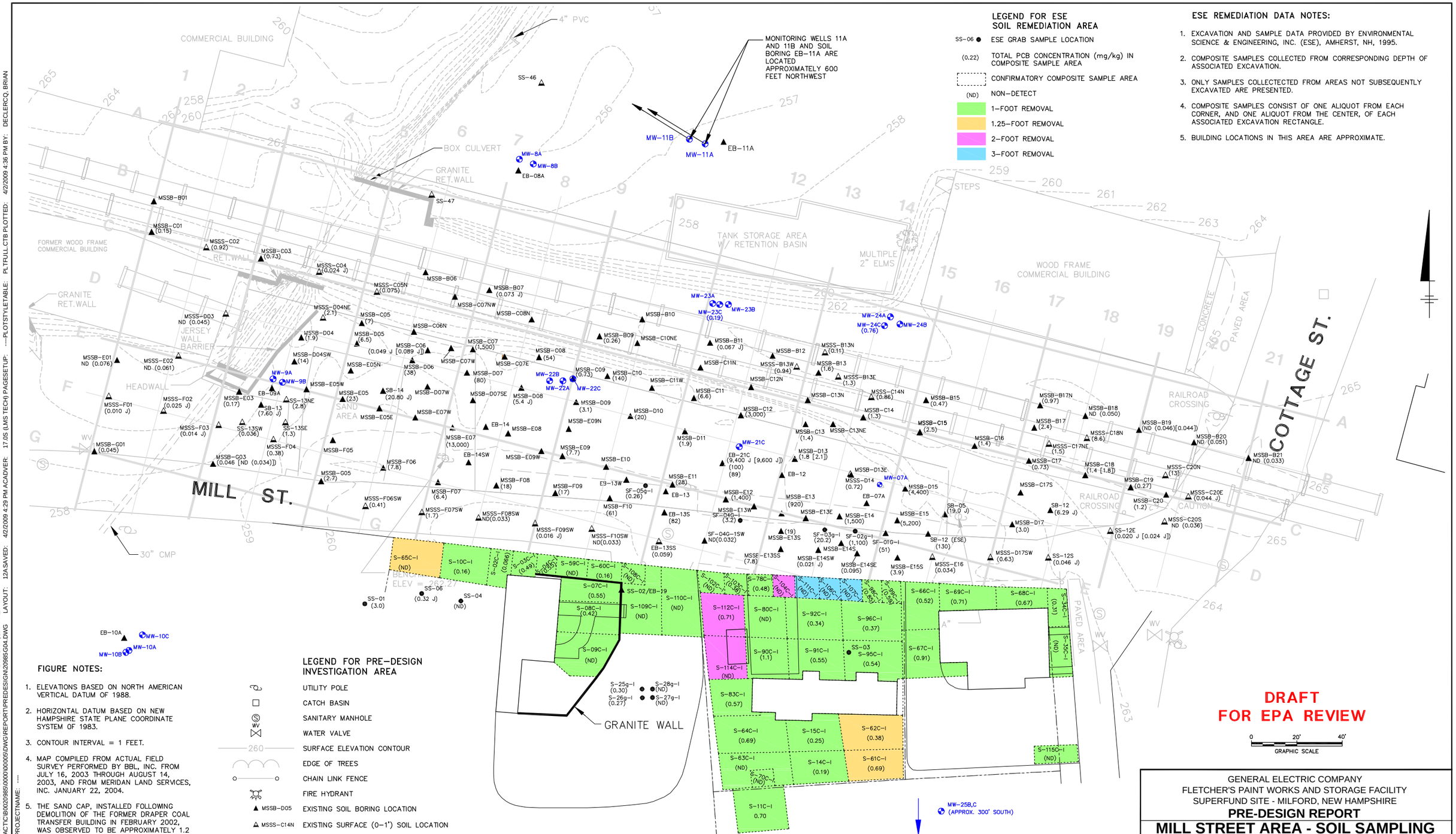
FIGURE 11

L: ON=*, OFF=REF
P: PAGESET/SYR-DL
1/14/05 SYR-85-NJR GMS LJP NJR
C/10002090/10002V03.DWG



LEGEND FOR ESE SOIL REMEDIATION AREA

- SS-06 ● ESE GRAB SAMPLE LOCATION
- (0.22) TOTAL PCB CONCENTRATION (mg/kg) IN COMPOSITE SAMPLE AREA
- CONFIRMATORY COMPOSITE SAMPLE AREA
- (ND) NON-DETECT
- 1-FOOT REMOVAL
- 1.25-FOOT REMOVAL
- 2-FOOT REMOVAL
- 3-FOOT REMOVAL

ESE REMEDIATION DATA NOTES:

1. EXCAVATION AND SAMPLE DATA PROVIDED BY ENVIRONMENTAL SCIENCE & ENGINEERING, INC. (ESE), AMHERST, NH, 1995.
2. COMPOSITE SAMPLES COLLECTED FROM CORRESPONDING DEPTH OF ASSOCIATED EXCAVATION.
3. ONLY SAMPLES COLLECTECTED FROM AREAS NOT SUBSEQUENTLY EXCAVATED ARE PRESENTED.
4. COMPOSITE SAMPLES CONSIST OF ONE ALIQUOT FROM EACH CORNER, AND ONE ALIQUOT FROM THE CENTER, OF EACH ASSOCIATED EXCAVATION RECTANGLE.
5. BUILDING LOCATIONS IN THIS AREA ARE APPROXIMATE.

FIGURE NOTES:

1. ELEVATIONS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
2. HORIZONTAL DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM OF 1983.
3. CONTOUR INTERVAL = 1 FEET.
4. MAP COMPILED FROM ACTUAL FIELD SURVEY PERFORMED BY BBL, INC. FROM JULY 16, 2003 THROUGH AUGUST 14, 2003, AND FROM MERIDAN LAND SERVICES, INC. JANUARY 22, 2004.
5. THE SAND CAP, INSTALLED FOLLOWING DEMOLITION OF THE FORMER DRAPER COAL TRANSFER BUILDING IN FEBRUARY 2002, WAS OBSERVED TO BE APPROXIMATELY 1.2 FEET THICK AT E05E AND E05W AND APPROXIMATELY 2 FEET THICK AT E05.

LEGEND FOR PRE-DESIGN INVESTIGATION AREA

- UTILITY POLE
- CATCH BASIN
- SANITARY MANHOLE
- WV WATER VALVE
- 260 SURFACE ELEVATION CONTOUR
- EDGE OF TREES
- CHAIN LINK FENCE
- FIRE HYDRANT
- ▲ MSSB-D05 EXISTING SOIL BORING LOCATION
- △ MSSS-C14N EXISTING SURFACE (0-1') SOIL LOCATION
- (0.86) TOTAL SURFACE PCB CONCENTRATION (PPM, DRY WT.) DUPLICATE RESULTS SHOWN IN BRACKETS. ND = NON-DETECT.
- MW-8B EXISTING MONITORING WELL
- ASPHALT APRON INSTALLED DURING REMEDIAL ACTION PERFORMED IN 1995

EPA PCB SOIL SPLIT-SAMPLE DATA
(RESULTS ARE PRESENTED IN PARTS PER MILLION, PPM)

LOCATION ID	DEPTH (FEET)	DATE	TOTAL PCBs
MSMW-23C	0 - 1	1/20/04	0.25
MSSB-C13	0 - 1	1/8/04	2.1

DRAFT
FOR EPA REVIEW

0 20' 40'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
FLETCHER'S PAINT WORKS AND STORAGE FACILITY
SUPERFUND SITE - MILFORD, NEW HAMPSHIRE
PRE-DESIGN REPORT

MILL STREET AREA - SOIL SAMPLING LOCATIONS AND SURFACE SOIL PCB SAMPLE DATA

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

FIGURE 12A

CITY: SYRACUSE DIV/GROUP: ENV-CAD DB: DMW BKD LD: PIC: PM: TM: LYR:ON=*;OFF=*REF*
G:\GEENVCAD\SYRACUSE\ACT\CIB00209850000\00005\DWG\REPORT\PREDESIGN\20985G04.DWG LAYOUT: 12A SAVED: 4/2/2009 4:29 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/2/2009 4:36 PM BY: DECLERCQ, BRIAN
XREFS: 20985X02 IMAGES: PROJECTNAME: ----

CITY: SYRACUSE DIV/GROUP: ENV-CAD DB: DMW BKD LD: PIC: PM: TM: LYR:ON=*;OFF=*REF* LAYOUT: 12BSAVED: 4/2/2009 4:29 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/2/2009 4:35 PM BY: DECLERCQ, BRIAN
G:\GE\ENVCAD\SYRACUSE\ACT\C\B0020985\0000\00005\DWG\REPORT\PREDESIGN\20985G03.DWG
XREFS: IMAGES: PROJECTNAME: ---

SUMMARY OF PRE-DESIGN INVESTIGATION (ppm, DRY WT.) (SAMPLE INCREMENTS IN FEET)

Sample ID	MSMW-22Cluster	MSMW-23Cluster	MSMW-24Cluster	MSSB-B01	MSSB-B06	MSSB-B07	MSSB-B09	MSSB-B10	MSSB-B11	MSSB-B12	MSSB-B13	MSSB-B15	MSSB-B17	MSSB-B17N	MSSB-B18	MSSB-B19	MSSB-B20	MSSB-B21	MSSB-C01	MSSB-C03	MSSB-C05	MSSB-C06	MSSB-C06N	Sample ID
1-2	--	--	--	--	--	--	--	--	--	--	--	--	--	0.026 J [0.022 J]	0.042	ND (0.035)	ND(0.038)	ND (0.043)	--	--	--	--	--	1-2
1-3	--	0.017 J	0.12	--	--	0.10 J	ND (0.034)	0.14	0.46	--	0.034 J	0.089	2.0	--	--	--	--	--	0.089	0.099	0.022 J	1,500	9.6	1-3
3-5	ND (0.071) (3-4')	ND (0.034) [ND (0.034)]	0.084	--	--	0.18	ND (0.033)	ND (0.036)	ND (0.033)	--	0.053 [0.055]	0.18	2.7	--	--	--	--	--	0.078	0.021 J	0.012 J	0.76	0.038	3-5
4-6	0.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4-6
5-7	--	0.013 J	ND (0.057)	--	--	0.046 JN	0.084 JN	0.050 J	0.013 J	--	ND (0.034)	0.056	0.088	--	--	--	--	--	0.031 J	ND (0.034) [ND (0.034)]	0.027 J	0.10 [0.14]	--	5-7
6-8	1.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6-8
7-9	--	ND (0.041)	ND (0.041)	--	--	ND (0.039)	ND (0.040)	--	ND (0.034)	ND(0.034)	0.13	0.26	0.34	--	--	--	--	--	0.050 J	0.068 J	0.015 J	0.12	--	7-9
8-10	0.057	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8-10
9-11	0.013 J (10-11')	0.062	ND(0.038)	ND (0.038)	--	ND (0.034)	ND (0.034)	--	0.045 JN	ND (0.041)	2.2	0.032 J	0.098	--	--	--	--	--	0.068	0.012 J	0.28	ND (0.040)	--	9-11
11-13	--	ND (0.035)	ND(0.041)	0.16 J	--	ND (0.035)	ND (0.036) [ND (0.035)]	--	ND (0.037)	ND(0.036)	0.13	0.086	0.27	--	--	--	--	--	4.4	0.023 J	0.021 J	0.42	--	11-13
13-15	0.068	0.022 J	0.015 J	0.046	--	ND (0.037)	ND (0.035) (13-14')	--	ND (0.036)	0.97	0.90	0.077	0.062	--	--	--	--	--	0.038	0.016 J	0.018 J	0.024 J	--	13-15
15-17	0.11	0.11	ND (0.055)	--	ND 0.056 [ND(0.038)]	ND (0.036)	--	--	0.064	5.4	0.36	0.058	0.078	--	--	--	--	--	0.13	0.016 J	0.031 J	0.095	--	15-17
17-19	0.07	0.051	0.56	--	ND (0.040)	0.041	--	--	0.30 [0.32]	0.14	0.054	0.035 J	0.038	--	--	--	--	--	0.03 J	0.016 J	0.042 J	0.073	--	17-19
19-21	--	0.046	ND (0.056)	--	0.16	0.014 J	--	--	0.40	0.14	0.60	0.11	0.044 (19-19.6')	--	--	--	--	--	0.031 J	0.026 J	0.062 J	0.19	--	19-21
21-23	--	0.071	0.088	0.045	ND (0.039)	0.031 J	--	--	0.14	0.54	0.13 (21-21.6')	0.32 (21-21.3')	--	--	--	--	--	--	0.019 J	0.018 J	0.027 J	0.16 (21-22.5')	--	21-23
23-25	--	--	--	0.013 J	ND (0.039)	0.076	--	--	0.093	--	--	--	--	--	--	--	--	--	9.5	0.028 J	0.021 J (23-23.4')	--	--	23-25
25-27	--	--	--	0.012 J	--	0.016 J	--	--	0.14	--	--	--	--	--	--	--	--	--	0.18	0.015 J	--	--	--	25-27
27-29	--	--	--	--	--	0.045 (27-28')	--	--	0.15 (27-28')	--	--	--	--	--	--	--	--	--	0.49 J	0.014 J (27-27.4')	--	--	--	27-29
29-31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.018 J [0.067 J]	--	--	--	--	29-31
31-33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.029 J	--	--	--	--	31-33
33-35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.067 J	--	--	--	--	33-35
35-36.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.056 J	--	--	--	--	35-36.5
Sample ID	MSSB-C07	MSSB-C07E	MSSB-C07W	MSSB-C07NW	MSSB-C08	MSSB-C08N	MSSB-C09	MSSB-C10	MSSB-C10NE	MSSB-C11	MSSB-C11N	MSSB-C11W	MSSB-C12	MSSB-C12N	MSSB-C13	MSSB-C13N	MSSB-C13NE	MSSB-C14	MSSB-C15	MSSB-C16	MSSB-C17	MSSB-C17S	MSSB-C18	Sample ID
1-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND(0.035)	--	--	ND(0.037)	1-2
1-3	12,000	0.28 J	56	--	2.0	--	29 [30]	1.2	0.38	110	--	2,100	6,700	--	100	--	--	0.86	0.86	--	0.018 J	0.046 J [ND(0.037)]	--	1-3
3-5	13	0.086	84	0.020 J	45	0.011 J	--	8.2	880	1,100 [790]	ND(0.034)	36	12,000	0.022 J	58	0.10 J	12,000	0.028 J	0.43	--	1.7	0.0099 J	--	3-5
4-6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4-6
5-7	320	0.17 J	0.098 J [0.13 J]	0.47	2.4	0.011 J	--	5.9	0.031 J	2.1	ND(0.033)	1.4	4,700	0.020 J	2,300	ND(0.035) [ND(0.038)]	120 J [37 J]	ND (0.034)	0.24	--	0.084 J [0.11]	ND(0.037)	--	5-7
6-8	--	--	--	--	--	--	--	4.9 (7-8')	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6-8
7-9	420	0.034 J [290 J]	3.0	ND(0.040)	0.064	0.011 J	--	--	0.034 J	0.42	0.018 J	1.5	2,900	0.13	47	ND(0.036)	140	ND (0.041)	2.6	--	1.6	ND(0.035)	--	7-9
8-10	--	0.044 J [0.057 J] (7-9') RE	--	--	--	--	--	0.086	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8-10
9-11	3,600	0.054	1.1	ND(0.034)	0.12	ND(0.035)	--	--	ND(0.036)	0.10	0.12	2.1	2,600 [1,900]	690	1.3 [0.92]	ND(0.042)	32	0.051 J	0.52	--	0.047	ND(0.035)	--	9-11
11-13	8,800	0.019 J	0.71	ND(0.034)	0.034 J	0.035 J	0.087	--	0.011 J	3.7	0.38	ND(0.037)	5,700	3,600	17	ND(0.038)	10	ND (0.036)	1.3	--	0.25	ND(0.035)	--	11-13
13-15	25,000	ND(0.046)	ND(0.041)	0.017 J	0.12	0.011 J [0.011 J]	--	--	0.22	0.45	0.027 J	ND(0.037)	33	43	2.3	1.2	10	1.6	0.57	--	0.044	ND(0.038)	--	13-15
15-17	9,400	ND(0.040)	0.68	ND(0.035)	0.22	0.10	--	--	--	0.42	0.57	--	110	57	160	1.3	8.1 (15-16')	0.39 JN	1.1	--	1.5	ND(0.036)	--	15-17
17-19	13	ND(0.034)	0.56	28	0.074	0.20	--	--	--	0.31	0.67 J [0.37 J]	--	1,400	18	12 (17-18.7')	1.2	--	0.29 JN	0.4	--	0.06	0.019 J (17-18.5')	--	17-19
19-21	290	0.04	0.36	39	0.086 (19-20')	0.17	0.041	--	--	0.26	0.48	--	1,300 (19-19.8')	120	--	0.058 (19-19.9')	--	0.24 (19-20')	0.68 (19-20.4')	--	0.26 J (19-20.2')	--	--	19-21
21-23	13 (21-21.4')	0.033 J (21-22.7')	--	30	--	0.15	--	--	--	--	0.38	--	--	0.41	--	--	--	--	--	--	--	--	--	21-23
23-25	--	--	--	0.016 J	--	--	--	--	--	--	0.35 (23-23.8')	--	--	--	--	--	--	--	--	--	--	--	--	23-25
25-27	--	--	--	0.053	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25-27
27-29	--	--	--	ND(0.038) (27-27.5')	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	27-29
Sample ID	MSSB-C19	MSSB-C20	MSSB-D04	MSSB-D04SW	MSSB-D05	MSSB-D06	MSSB-D07	MSSB-D07W	MSSB-D07SE	MSSB-D08	MSSB-D09	MSSB-D10	MSSB-D11	MSSB-D13	MSSB-D13E	MSSB-D15	MSSB-D17	MSSB-E01	MSSB-E03	MSSB-E05	MSSB-E05E	MSSB-E05N	MSSB-E05W	Sample ID
1-2	--	0.023 J	ND(0.037)	37	0.28	--	--	--	--	--	--	5.4	--	--	--	--	--	--	--	--	--	--	--	1-2
1-3	ND (0.041)	--	--	0.054 (2-3')	--	3.3	5.0	800 [830]	8.6	380	0.24	0.036 (2-3')	1.4	10,000	26,000	3,700	0.032 J [0.033 J]	0.018 J	0.021 J	6.4 J	0.23 J	12 [11]	6.4	1-3
3-5	0.27	--	--	--	--	ND(0.035)	0.66	20	1.4	720	0.016 J	--	330 J [880 J]	20,000 [20,000]	10,000	0.30	0.042	0.024 J	0.024 J	7.1	ND(0.035)	ND(0.034)	11	3-5
4-6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4-6
5-7	ND (0.042)	--	--	--	--	--	5.0 JN	3.6 J	560	26	0.022 J	--	0.52	7,800	56 J	10 [8.8]	0.029 J	0.031 J [0.090]	ND(0.036)	0.18	ND(0.037)	ND(0.038)	5.7	5-7
6-8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6-8
7-9	0.25 [0.29]	--	--	--	--	--	5.8	4.2	6.0	0.90 (7-8')	0.047 (7-8')	--	0.10 J	1,900	4,000	2.8	0.17	ND (0.061)	0.039	0.04	--	--	--	7-9
8-10	--	--	--	--	--	--		--	--	0.087	ND(0.039)	--	--	--	--	--	--	--	--	--	--	--	--	8-10
9-11	0.093	--	--	--	--	--	2.1	1.3	3.1	--	--	--	ND (0.036)	3,400	1,500	1.4	0.056 J	ND (0.055)	ND(0.036) [0.019 J]	0.020 J [0.029 J]	--	--	--	9-11
11-13	0.15	--	--	--	--	--	1.5 J	0.058	0.22	--	--	--	ND(0.038)	56	200	1.3 (11-12')	0.023 J	ND (0.048)	0.022 J	0.046 J	--	--	--	11-13
13-15	0.14	--	--	--	--	--	0.48	0.69	0.80	--	--	--	0.15	1,100	5.8	--	0.17 (13-14.5')	ND (0.043)	0.034 J	--	--	--	--	13-15
15-17	0.10	--	--	--	--	--	0.92	0.28	0.034 J	--	--	--	1.1	12	1.6 (15-16')	--	--	ND (0.054)	0.039 J	--	--	--	--	15-17
17-19	0.018 J	--	--	--	--	--	0.79	0.074	1.2	--	--	--	0.84	ND (5.0)	--	--	--	ND (0.054)	0.022 J	--	--	--	--	17-19
19-21	0.032 J (19-20.2')	--	--	--	--	--	1.1	0.12	0.73	--	--	--	0.074 B (19-20')	ND (650)	--	--	--	0.026 J	0.027 J	--	--	--	--	19-21
21-23	--	--	--	--	--	--	--	0.19 (21-21.5')	0.52 (21-21.5')	--	--	--	--	4,300 (21-22')	--	--	--	0.026 J	ND (0.053)(21-21.4')	--	--	--	--	21-23
23-25	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--	--	0.025 J (23-24.1')	--	--	--	--	--	23-25
Sample ID	MSSB-E07	MSSB-E07W	MSSB-E08	MSSB-E09	MSSB-E09N	MSSB-E09W	MSSB-E10	MSSB-E11	MSSB-E12	MSSB-E13	MSSB-E13E	MSSB-E13W	MSSB-E13S	MSSB-E13SS	MSSB-E14	MSSB-E14S	MSSB-E14SE	MSSB-E14SW	MSSB-E15	MSSB-E15S	MSSB-F05	MSSB-F06	MSSB-F07	Sample ID
1-2	--	--	--	--	--	--	--	--	--	--	--	--	0.044	0.024 J	15,000	--	ND(0.033)	ND(0.034)	--	--	--	1.8 J [0.68 J]	--	1-2
1-3	8.4	1.4	17,000 [14,000]	33	3.5	210 [150]	46	280 [290]	61	12,000	17,000	2.6	0.045 (2-3')	0.011 J (2-3')	14,000 (2-3')	16	0.015 J (2-3')	ND(0.034) (2-3')	64	0.40	0.011 J	0.035 J (2-3')	0.062	1-3
3-5	1.7	0.19 J	2.8	0.082	1.1	0.40	0.11	3.6	270 (3-4')	15	1,600	1.8	0.036 J	--	98	0.024 J	--	--	0.71	--	0.019 J	--	0.014 J	3-5
4-6	--	--	1.2 (5-6')	--	--	--	--	--	0.16 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4-6
5-7	0.21	0.011 J	--	0.020 J	--	--	--	ND (0.036)	--	0.22	0.11 J [0.057 J]	0.27	ND(0.038)[ND(0.035)]	--	2.1	ND(0.077)	--	--	0.15 J	--	0.020 J	--	ND(0.033)	5-7
6-8	--	--	1.4	--	--	--	--	--	0.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6-8
7-9	0.29	--	--	0.11	--	--	--	ND (0.039)	--	36	3.2	0.41	ND(0.039)	--	--	--	--	--	0.36	--	--	--	0.066	7-9
8-10	--	--	--	--	--	--	--	--	0.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8-10
9-11	0.096 J	--	--	0.012 J	--	--	--	ND(0.040)	0.13 J (10-12')	5.6	0.011 J	0.043	ND(0.037)	--	--	--	--	--	0.032 J	--	--	--	0.081	9-11
11-13	ND (0.04)	--	--	ND(0.040)	--	--	--	0.79	0.021 J (12-14')	2.0	0.12 JN	0.23	ND(0.037)	--	--	--	--	--	0.014 J	--	--	--	0.011 J	11-13
13-15	ND (0.042)	--	--	ND(0.037)	--	--	--	0.55	0.032 J (14-16')	0.44	0.032 J	0.051	ND(0.037)	--	--	--	--	--	0.15 (13 - 13.6')	--	--	--	ND(0.038)	13-15
15-17	0.047	--	--	0.016 J	--	--	--	0.31	--	0.82	--	--	--	--	--	--	--	--	--	--	--	--	ND(0.040)	15-17
17-19	0.025 J	--	--	0.037 J	--	--	--	0.29	--	0.27	--	--	--	--	--	--	--	--	--	--	--	--	--	17-19
19-21	0.22 (19-20.4')	--	--	0.042	--	--	--	0.073	--	0.92	--	--	--	--	--	--	--	--	--	--	--	--	--	19-21
21-23	--	--	--	--	--	--	--	ND (0.041)(21-21.8')	--	ND (0.036)(21-21.3')	--	--	--	--	--	--	--	--	--	--	--	--	--	21-23
Sample ID	MSSB-F08	MSSB-F09	MSSB-F10	MSSB-G01	MSSB-G03	MSSB-G05	MSSB-SF-01G-1	MSSB-SF-04G-1	SB-5	SB-12	SB-12 (ESE)	SB-13	SB-14	EB-07A	EB-12	EB-13	EB-13S	EB-13W	EB-14	EB-14SW	EB-21C	Sample ID		
1-2	11	24	65 [88]	--	--	--	--	4,300	2.1	ND(0.034)	1,200	0.029 J [0.021 J]	0.020 J [5.3]	--	--	--	--	--	--	--	--	1-2		
1-3	0.15 (2-3')	0.20 J (2-3')	0.52 J (2-3')	0.013 J	0.025 J	ND (0.000035)	370	6.7 JN (2-3')	0.035 J (2-3')	--	560 (2-3')	--	0.011 J (2-3')	11,000	--	5.2	0.029 J	11	--	89	--	1-3		
3-5	--	0.49	--	0.066 [0.036 J]	0.079	ND (0.035)	1.2	--	--	--	3.0	--	--	32,000 (3-4')	40,000	21	ND(0.034)	0.23	--	0.014 J	--	3-5		
4-6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0096 J (5-6')	5.3	4-6		
5-7	--	--	--	0.33	0.048	ND (0.035)	--	--	--	--	--	--	--	--	10,000	--	ND(0.035)	0.045 J	--	--	--	5-7		
6-8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.50	0.13	8.4	6-8		
7-9	--	--	--	0.014 J	0.036 J	ND (0.036)	--	--	--	--	--	--	--	--	5,500	--	ND(0.041)	0.037 J	--	--	--	7-9		
8-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8-10		
9-11	--	--	--	ND(0.036)	0.026 J	ND (0.048)	--	--	--	--	--	--	--	--	330	1.2 [0.93]	ND(0.045)	0.061 J	--	--	2.9 (10-12')	9-11		
11-13	--	--	--	ND(0.040)	0.05	0.013 J	--	--	--	--	--	--	--	--	180	0.85	ND(0.037)	0.040 J	--	--	--	11-13		
13-15	--	--	--	ND(0.037)	0.029 J	--	--	--	--	--	--	--	--	--	8.7	0.85	ND(0.039)	0.11 J	--	--	1.0 (14-16')	13-15		
15-17	--	--	--	0.013 J	--	--	--	--	--	--	--	--	--	--	1.1		ND(0.040) (15-16.5')	0.21	--	--	0.98 (16-18')	15-17		
17-19	--	--	--	ND(0.035)	--	--	--	--	--	--	--	--	--	--	2,000	0.85 (16.5-18.5')	ND(0.039) (16.5-18.5')	0.44 (17-18.5')	--	--	2.2 (18-20')	17-19		
19-21	--	--	--	0.033 J	0.26 (20-21')	--	--	--	--	--	--	--	--	--	33	--	--	--	--	--	0.61 (20-22')	19-21		
21-23	--	--	--	ND(0.036)	0.11	--	--	--	--	--	--	--	--	--	0.90	--	--	--	--	--	--	21-23		
23-25	--	--	--	0.016 J	ND (0.036)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	23-25		
25-27	--	--	--	0.097	ND (0.075) (25-26')	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25-27		
27-29	--	--	--	0.028 J [ND(0.037)]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	27-29		
29-31	--	--	--	0.031 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	29-31		
31-33	--	--	--	0.012 J (31-31.5')	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	31-33		

EPA PCB SOIL SPLIT-SAMPLE DATA
(RESULTS ARE PRESENTED IN PARTS PER MILLION, PPM)

LOCATION ID	DEPTH (FEET)	DATE	TOTAL PCBs
MSSB-C13	1-3	1/8/2004	690
	3-5	1/8/2004	65
	5-7	1/8/2004	3500
	7-9	1/8/2004	41
	9-11	1/8/2004	1.4
	11-13	1/8/2004	13
	13-15	1/8/2004	1.5
	15-17	1/8/2004	77
	17-18.7	1/8/2004	7.8

SUMMARY OF HISTORIC EPA DATA (ppm, DRY WT.) (SAMPLE INCREMENTS IN FEET)

EB-07A	0.89 (4-5.5')		
EB-08A	ND(0.076) (4-6')		
EB-09A	0.220 [0.210] (4-8')		
EB-10A	ND(0.080) (8-9.5')	ND(0.075) (17.5-20')	
EB-11A	0.023 J (30-31.5')	ND(0.074) (73-77')	
EB-12	26,700 J (1-3')		
EB-13	13.0 J (5-8.5')	1.40 J (15-16.5')	
EB-14	20.0 (4-6')	0.99 (12-16')	
SS-02/EB-19	0.079 (6.5-8')	ND(0.16) (18-21.5')	
EB-21C	100; 89; 9,400 J [9,600 J] (0-4')	780 J (8-10')	190 J (12-14')
SS-01	0.072 (6-7')		
SS-03	0.32 (5.5-7.5')		

NOTES:

1. ND (0.038) = NOT DETECTED. DETECTION LIMIT IN PARENTHESES, (IF AVAILABLE).
2. [0.067] = DUPLICATE ANALYSIS RESULT SHOWN IN BRACKETS.
3. JN = INDICATES THE PRESENCE OF A COMPOUND FOR WHICH THERE IS PRESUMPTIVE EVIDENCE TO MAKE A TENTATIVE IDENTIFICATION.
4. J = INDICATES THE DETECTED CONCENTRATION IS CONSIDERED AN ESTIMATED VALUE.
5. RE = INDICATES RE-ANALYSIS OF SAMPLE RESULT AND DUPLICATE
6. YELLOW SHADING INDICATES SAMPLES CONTAINING PCBs IN EXCESS OF SOIL CLEANUP LEVEL SPECIFIED IN ROD.

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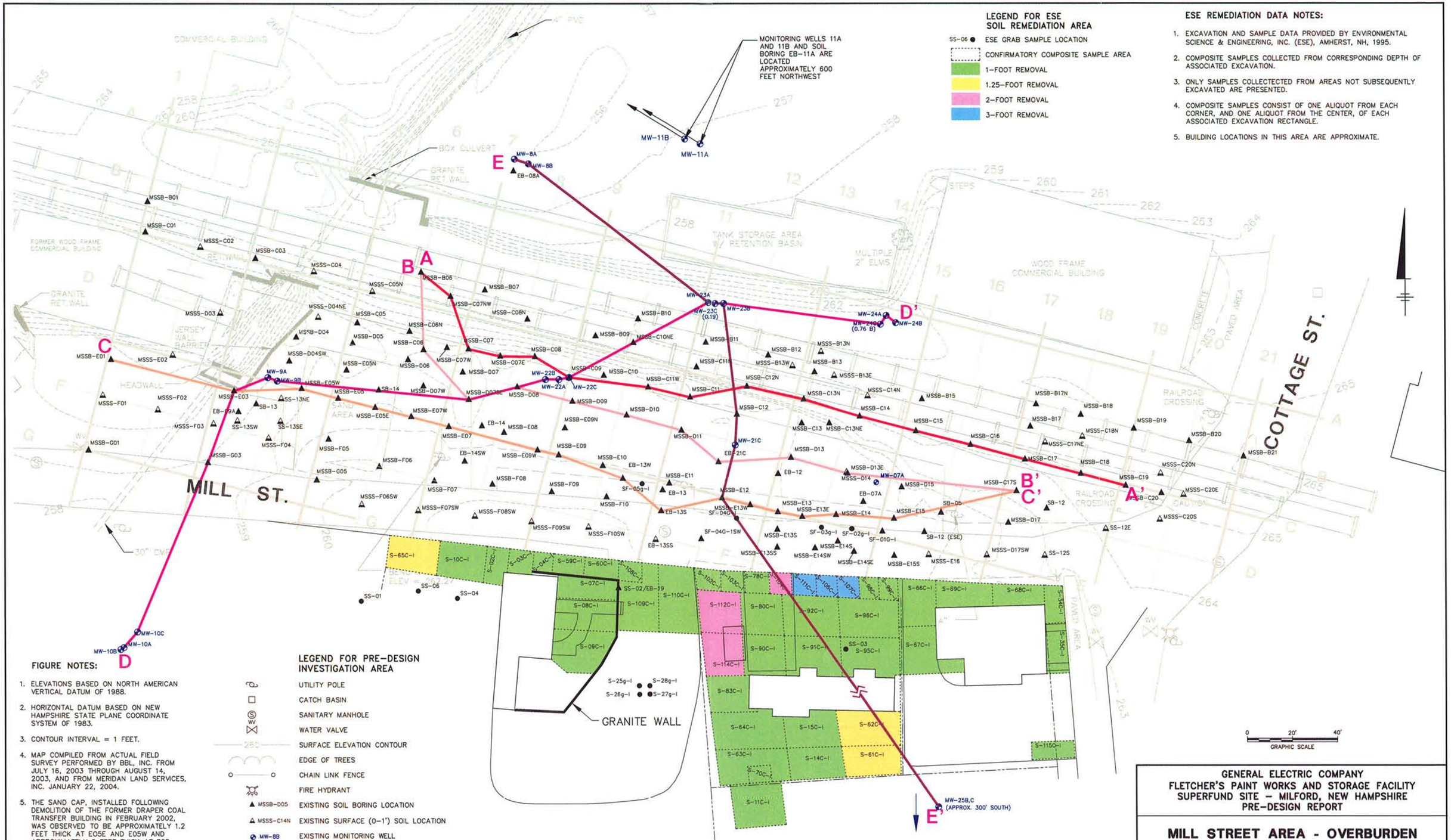
PRE-DESIGN REPORT

MILL STREET AREA - SUBSURFACE SOIL PCB SAMPLE DATA

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

FIGURE
12B



LEGEND FOR ESE SOIL REMEDIATION AREA

- SS-06 ● ESE GRAB SAMPLE LOCATION
- CONFIRMATORY COMPOSITE SAMPLE AREA
- 1-FOOT REMOVAL
- 1.25-FOOT REMOVAL
- 2-FOOT REMOVAL
- 3-FOOT REMOVAL

ESE REMEDIATION DATA NOTES:

1. EXCAVATION AND SAMPLE DATA PROVIDED BY ENVIRONMENTAL SCIENCE & ENGINEERING, INC. (ESE), AMHERST, NH, 1995.
2. COMPOSITE SAMPLES COLLECTED FROM CORRESPONDING DEPTH OF ASSOCIATED EXCAVATION.
3. ONLY SAMPLES COLLECTECTED FROM AREAS NOT SUBSEQUENTLY EXCAVATED ARE PRESENTED.
4. COMPOSITE SAMPLES CONSIST OF ONE ALIQUOT FROM EACH CORNER, AND ONE ALIQUOT FROM THE CENTER, OF EACH ASSOCIATED EXCAVATION RECTANGLE.
5. BUILDING LOCATIONS IN THIS AREA ARE APPROXIMATE.

FIGURE NOTES:

1. ELEVATIONS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
2. HORIZONTAL DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM OF 1983.
3. CONTOUR INTERVAL = 1 FEET.
4. MAP COMPILED FROM ACTUAL FIELD SURVEY PERFORMED BY BBL, INC. FROM JULY 16, 2003 THROUGH AUGUST 14, 2003, AND FROM MERIDAN LAND SERVICES, INC. JANUARY 22, 2004.
5. THE SAND CAP, INSTALLED FOLLOWING DEMOLITION OF THE FORMER DRAPER COAL TRANSFER BUILDING IN FEBRUARY 2002, WAS OBSERVED TO BE APPROXIMATELY 1.2 FEET THICK AT E05E AND E05W AND APPROXIMATELY 2 FEET THICK AT E05.

LEGEND FOR PRE-DESIGN INVESTIGATION AREA

- UTILITY POLE
- CATCH BASIN
- SANITARY MANHOLE
- WATER VALVE
- 250 SURFACE ELEVATION CONTOUR
- EDGE OF TREES
- CHAIN LINK FENCE
- FIRE HYDRANT
- ▲ MSSB-D05 EXISTING SOIL BORING LOCATION
- ▲ MSSS-C14N EXISTING SURFACE (0-1') SOIL LOCATION
- ⊗ MW-8B EXISTING MONITORING WELL
- ASPHALT APRON INSTALLED DURING REMEDIAL ACTION PERFORMED IN 1995
- D——D' CROSS SECTION LOCATIONS

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X: 10002X02.DWG
L: ON=*, OFF=REF, |XSPOT, |XWOODS_ED
P: PAGESET/SYR-DL
1/14/05 SYR-85-NES NJR LJP NJR
C/10002090/10002G05.DWG

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PRE-DESIGN REPORT

MILL STREET AREA - OVERBURDEN CROSS SECTION LOCATIONS

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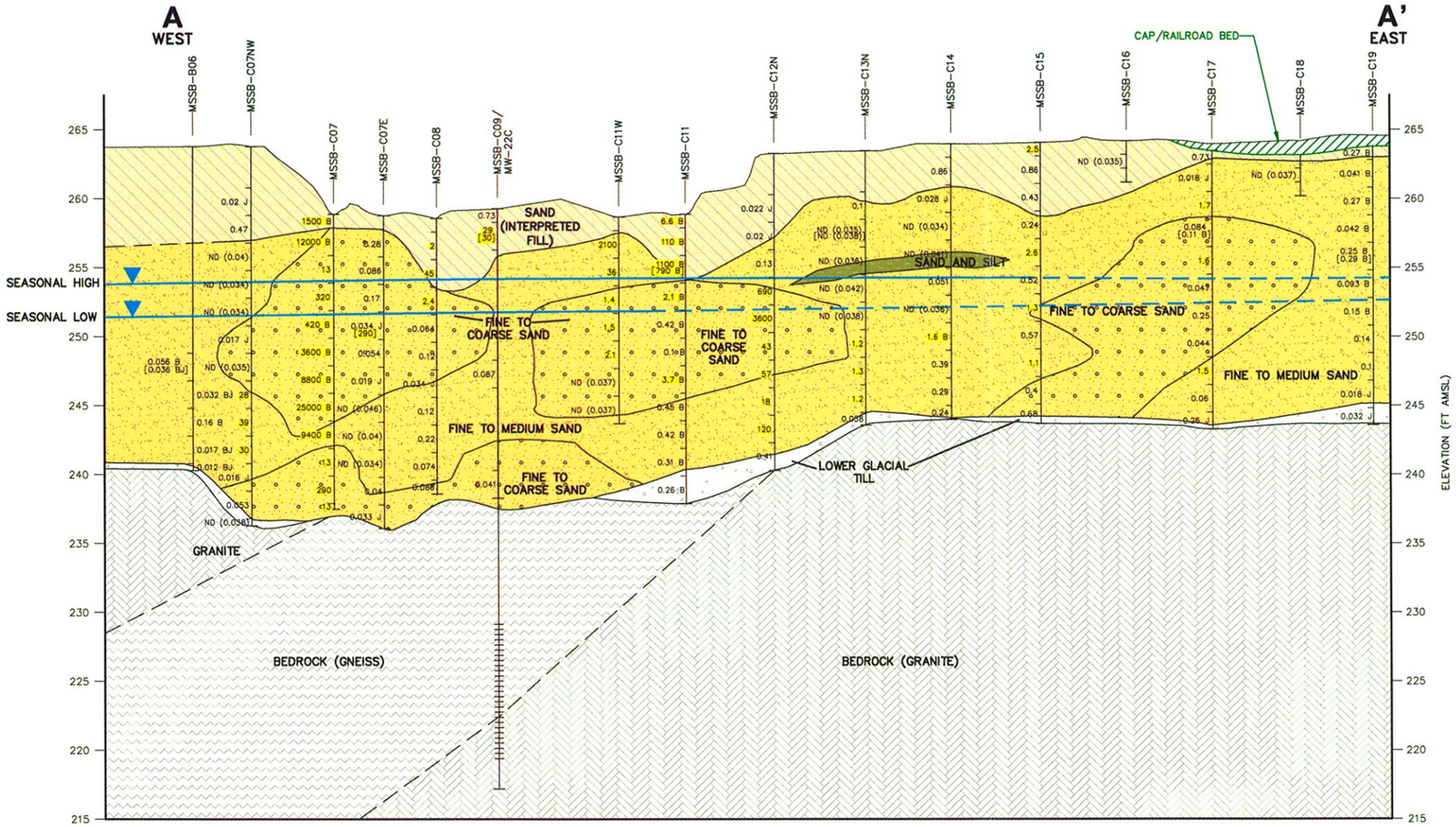
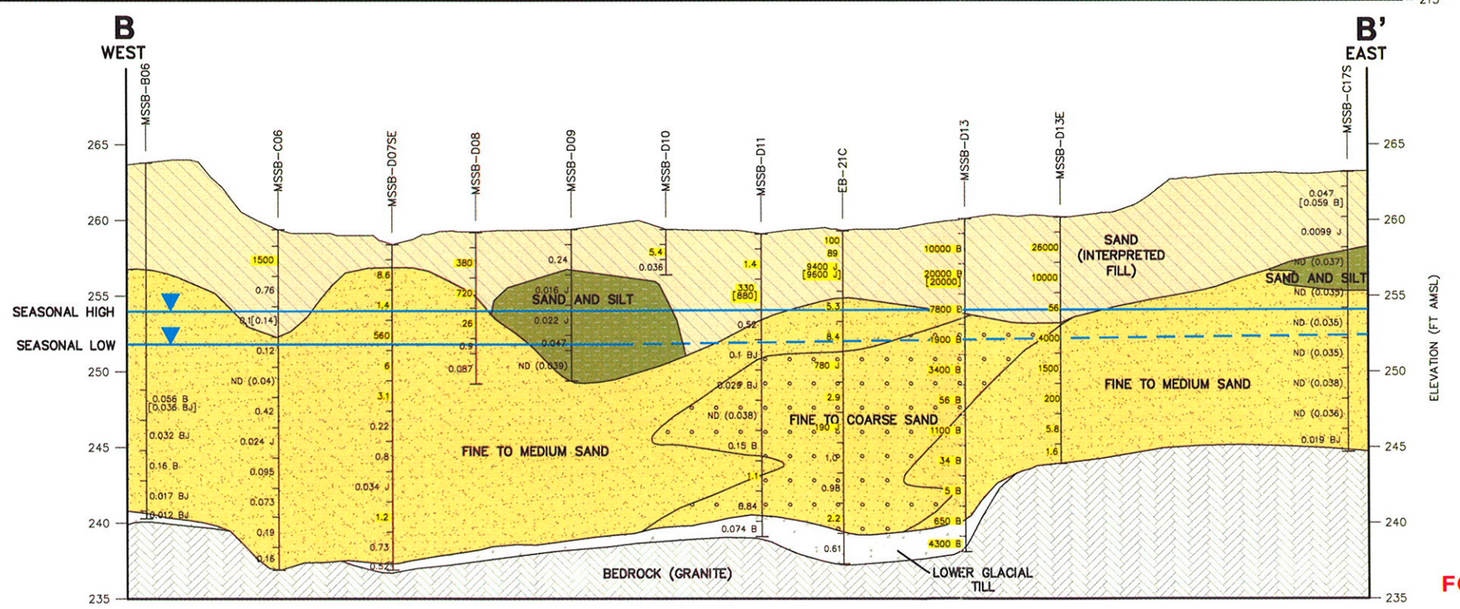
FIGURE 13





LEGEND:

- ESSB-Q14W — BORING/WELL ID
- TOP OF BORING/WELL
- 35 — PCB RESULTS SHOWN IN ppm (SHADED VALUES EXCEED SOIL CLEANUP LEVELS)
- 4.2 — SAMPLE INTERVAL
- SEASONAL HIGH (4/19/04) AND SEASONAL LOW (9/14/04) WATER TABLES (DASHED WHERE INFERRED)
- SCREEN INTERVAL
- BOTTOM OF BORING/WELL

- CAP MATERIAL
- SAND (INTERPRETED FILL)
- ORGANIC RICH SAND AND SILT
- NATIVE SAND MATERIAL/FINE TO MEDIUM SAND (OUTWASH DEPOSTIS)
- NATIVE SAND MATERIAL/FINE TO COARSE SAND (OUTWASH DEPOSITS)
- WEATHERED ROCK (LOWER GLACIAL TILL)
- BEDROCK (GNEISS)
- BEDROCK (GRANITE)

NOTES:

1. ELEVATIONS BASED ON NORTH AMERICAN DATUM OF 1988.
2. CONTACTS ARE DASHED WHERE INFERRED.
3. [0.067] = DUPLICATE ANALYSIS RESULT SHOWN IN BRACKETS.
4. B = INDICATES THE ANALYTE WAS ALSO DETECTED IN THE ASSOCIATED METHOD BLANK.
5. J = INDICATES THE DETECTED CONCENTRATION IS CONSIDERED AN ESTIMATED VALUE.
6. ND (0.038) = NOT DETECTED. DETECTION LIMIT IN PARENTHESES, (IF AVAILABLE).
7. SEASONAL LOW AND SEASONAL HIGH WATER TABLES BASED ON CONTOURED DATA SHOWN ON FIGURES J-1 AND J-2 RESPECTIVELY.

0 20' 40' HORIZONTAL SCALE

0 5' 10' VERTICAL SCALE

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MILL STREET AREA - CROSS SECTION A - A' & B - B'

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FIGURE 14

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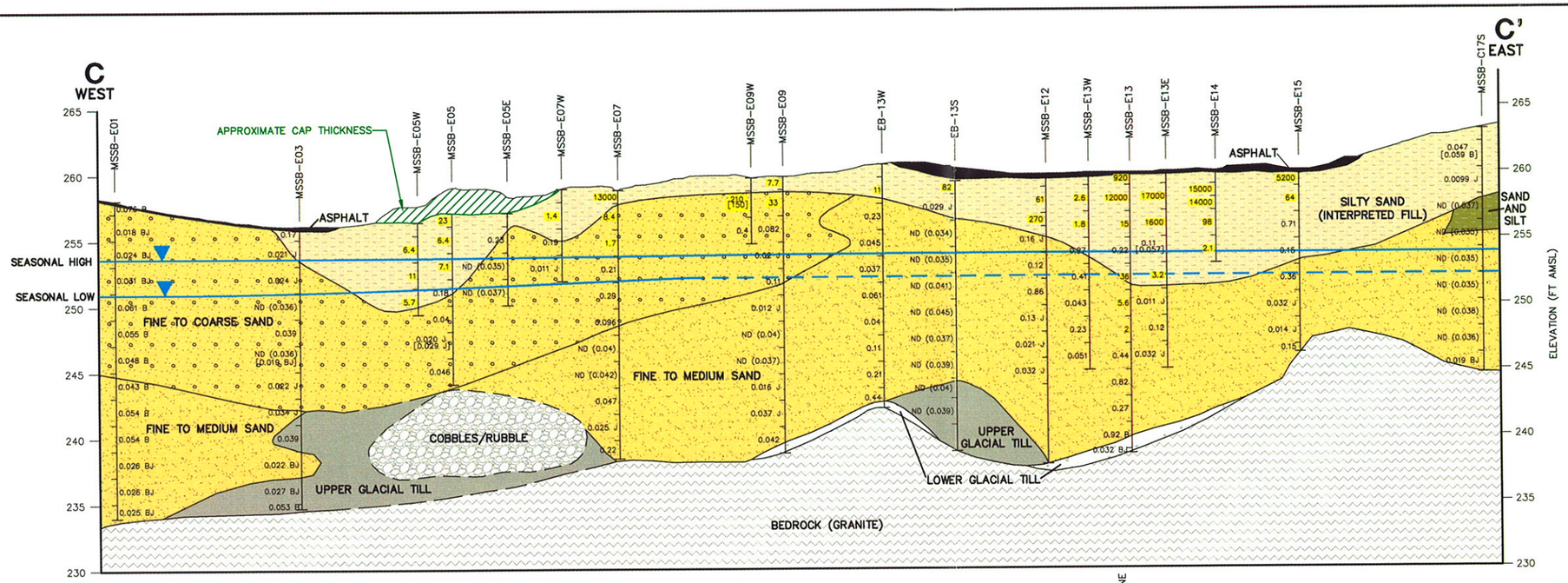
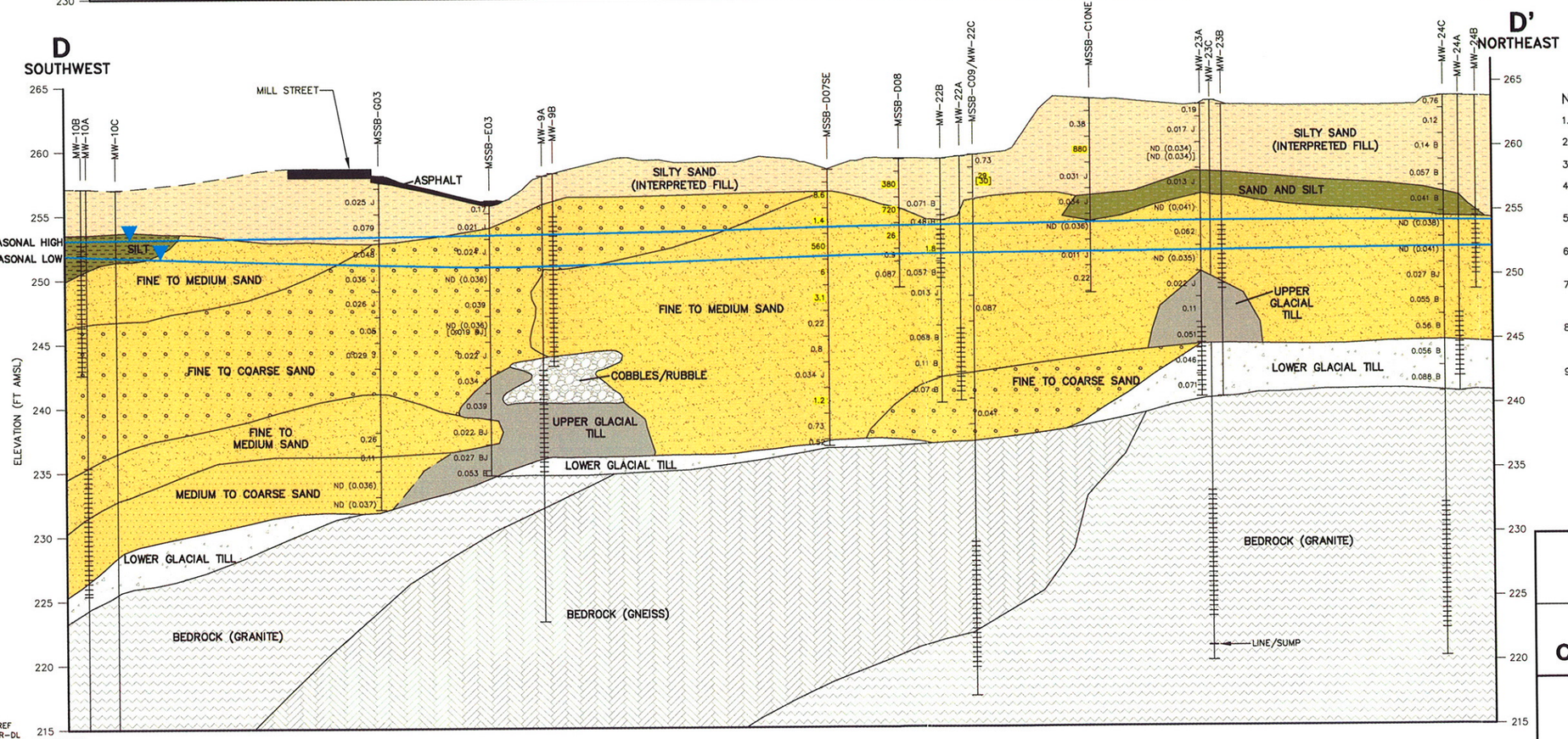
L: ON=*, OFF=REF
P: PAGESET/SYR-DL
1/14/05 SYR-85-NJR GMS LJP NJR
C/10002090/10002V04.DWG





LEGEND:

- BORING/WELL ID
- TOP OF BORING/WELL
- PCB RESULTS SHOWN IN ppm (SHADED VALUES EXCEED SOIL CLEANUP LEVELS)
- SAMPLE INTERVAL
- SEASONAL HIGH (4/19/04) AND SEASONAL LOW (9/14/04) WATER TABLES (DASHED WHERE INFERRED)
- SCREEN INTERVAL
- BOTTOM OF BORING/WELL
- ASPHALT
- CAP MATERIAL
- SILTY SAND (INTERPRETED FILL)
- COBBLES/BOULDERS/RUBBLE
- ORGANIC RICH SILT
- ORGANIC RICH SAND AND SILT
- NATIVE SAND MATERIAL/FINE TO MEDIUM SAND (OUTWASH DEPOSITS)
- NATIVE SAND MATERIAL/MEDIUM TO COARSE SAND (OUTWASH DEPOSITS)
- NATIVE SAND MATERIAL/FINE TO COARSE SAND (OUTWASH DEPOSITS)
- UPPER GLACIAL TILL
- WEATHERED ROCK (LOWER GLACIAL TILL)
- BEDROCK (GNEISS)
- BEDROCK (GRANITE)

NOTES:

1. ELEVATIONS BASED ON NORTH AMERICAN DATUM OF 1988.
2. CONTACTS ARE DASHED WHERE INFERRED.
3. [0.067] = DUPLICATE ANALYSIS RESULT SHOWN IN BRACKETS.
4. B = INDICATES THE ANALYTE WAS ALSO DETECTED IN THE ASSOCIATED METHOD BLANK.
5. J = INDICATES THE DETECTED CONCENTRATION IS CONSIDERED AN ESTIMATED VALUE.
6. ND (0.038) = NOT DETECTED. DETECTION LIMIT IN PARENTHESES, (IF AVAILABLE).
7. ANALYTICAL DATA AT WELL CLUSTERS MW-23 AND MW-24 ARE SUMMARIZED AT ONE WELL LOCATION. FOR DETAILED SAMPLE INFORMATION SEE TABLES 9 AND 11.
8. REFUSAL AT MSSB-E05E IS INTERPRETED TO BE THE TOP OF THE COBBLES/RUBBLE ZONE ENCOUNTERED AT USEPA MONITORING WELL MW-9A.
9. WATER TABLES BASED ON CONTOURED DATA SHOWN ON FIGURES J-1 AND J-2 RESPECTIVELY.

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0 20' 40' HORIZONTAL SCALE

0 5' 10' VERTICAL SCALE

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PRE-DESIGN REPORT

MILL STREET AREA - CROSS SECTION C - C' & D - D'

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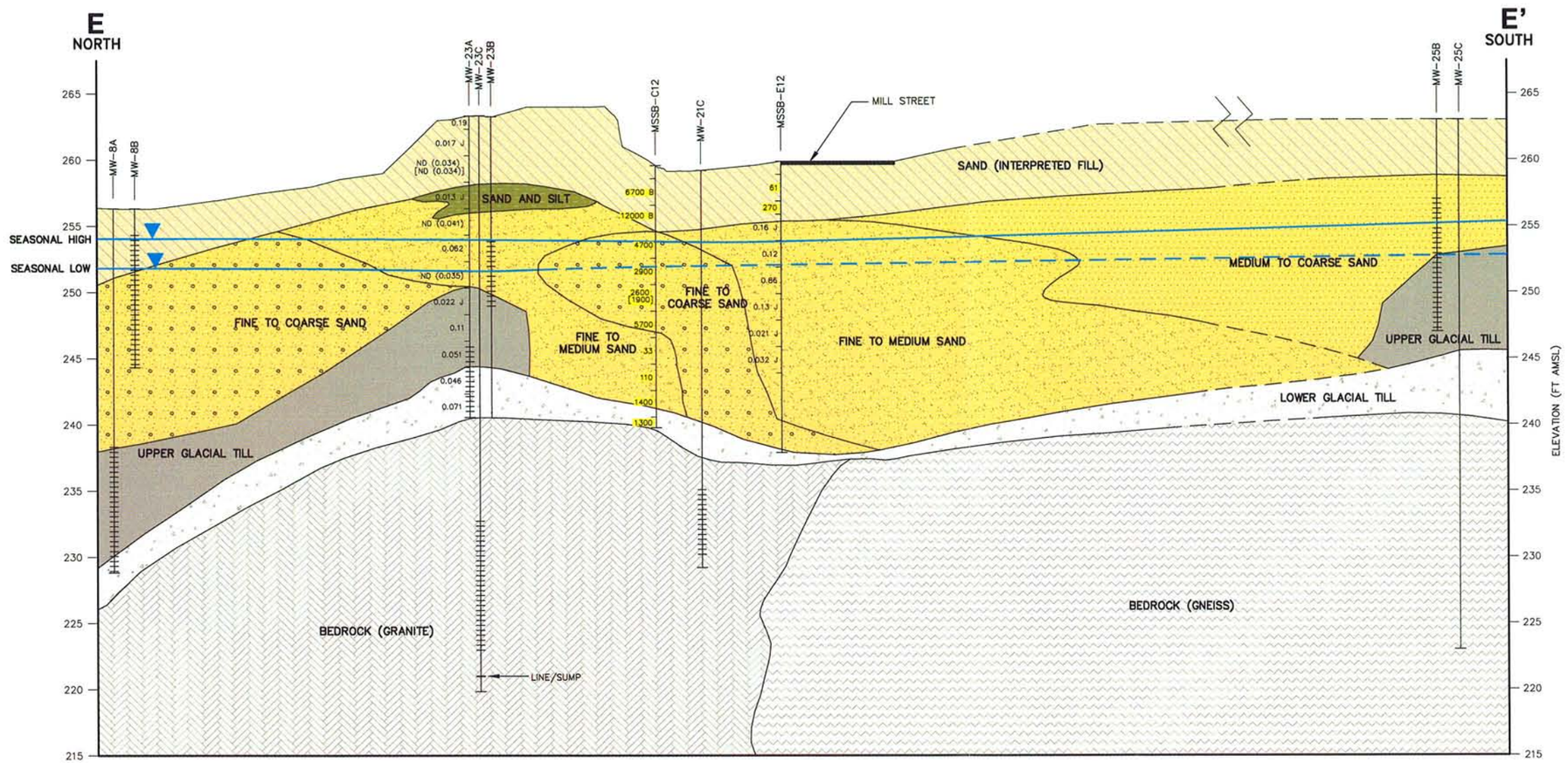
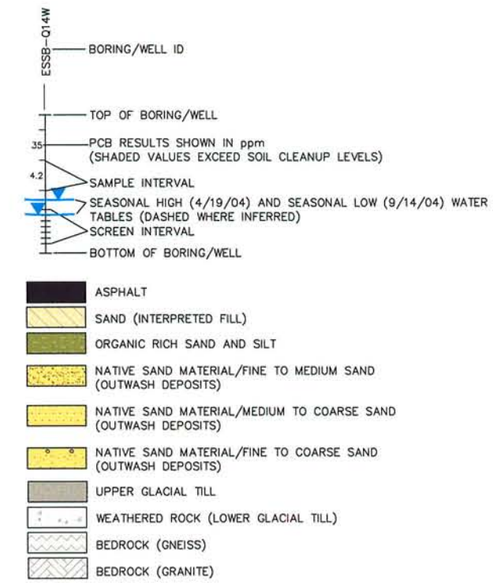
FIGURE 15

L: ON=*, OFF=REF
P: PAGESET/SYR-DL
1/14/05 SYR-BS-NJR LJP GMS NJR
C/10002090/10002V05.DWG

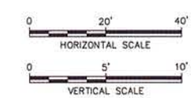


LEGEND:



NOTES:

1. ELEVATIONS BASED ON NORTH AMERICAN DATUM OF 1988.
2. CONTACTS ARE DASHED WHERE INFERRED.
3. [0.067] = DUPLICATE ANALYSIS RESULT SHOWN IN BRACKETS.
4. B = INDICATES THE ANALYTE WAS ALSO DETECTED IN THE ASSOCIATED METHOD BLANK.
5. J = INDICATES THE DETECTED CONCENTRATION IS CONSIDERED AN ESTIMATED VALUE.
6. ND (0.038) = NOT DETECTED. DETECTION LIMIT IN PARENTHESES, (IF AVAILABLE).
7. ANALYTICAL DATA AT MONITORING WELL CLUSTER MW-23 IS SUMMARIZED AT ONE LOCATION. FOR DETAILED SAMPLE INFORMATION SEE TABLES 9 AND 11.
8. SEASONAL LOW AND SEASONAL HIGH WATER TABLES BASED ON CONTOURED DATA SHOWN ON FIGURES J-1 AND J-2 RESPECTIVELY.



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MILL STREET AREA - CROSS SECTION E - E'

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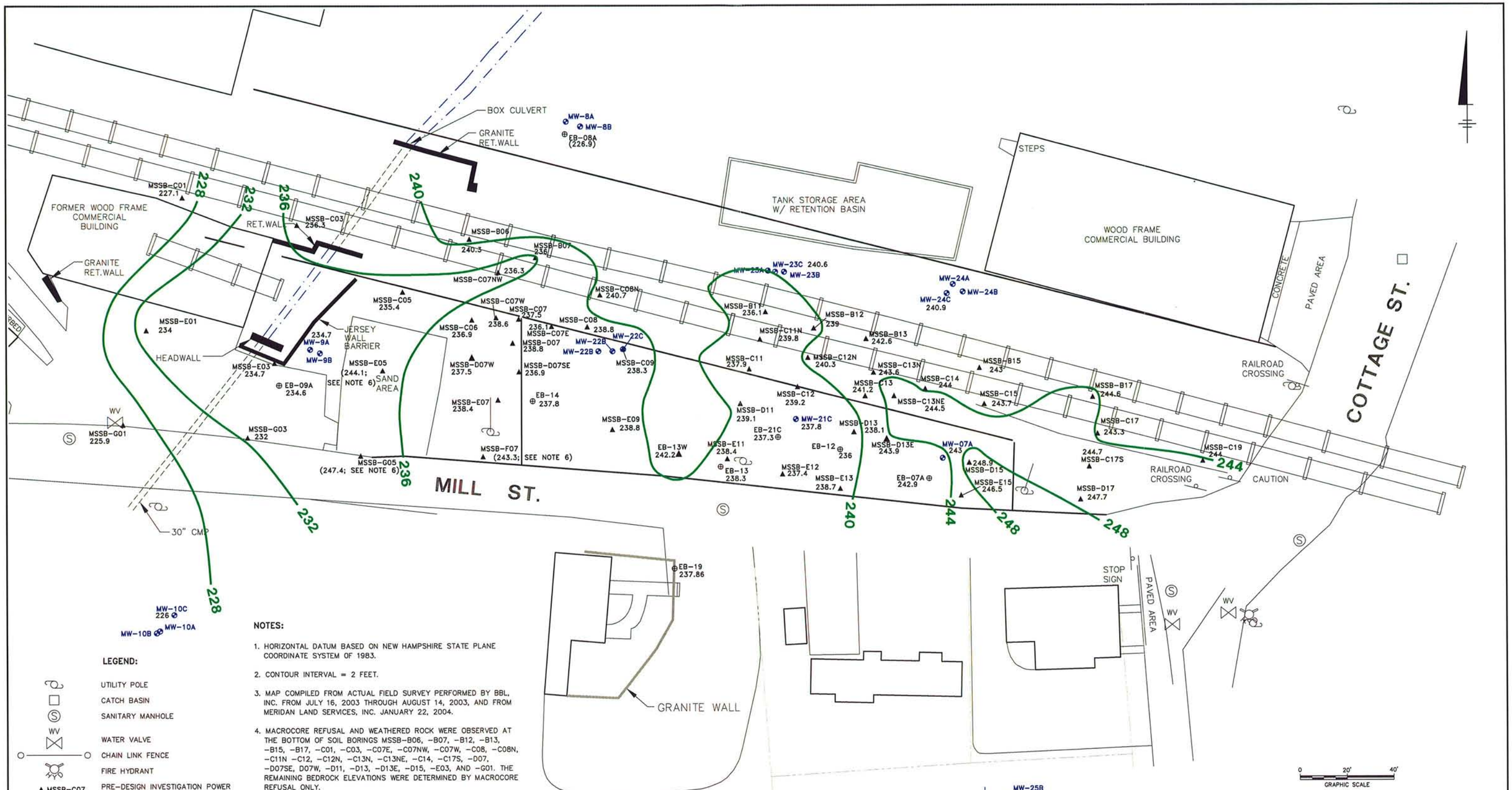
FIGURE
16

L: ON=*, OFF=REF
P: PAGESET/SYR-DL
1/14/05 SYR-85-NJR LJP GMS NJR
C/10002052/10002V06.DWG



LEGEND:

	UTILITY POLE
	CATCH BASIN
	SANITARY MANHOLE
WV	WATER VALVE
	CHAIN LINK FENCE
	FIRE HYDRANT
▲ MSSB-C07	PRE-DESIGN INVESTIGATION POWER PROBE BORING LOCATION
⊕ EB-13	HISTORIC EPA BORING LOCATION
⊘ MW-8B	MONITORING WELL
238	BEDROCK ELEVATION CONTOUR
238.3	TOP OF BEDROCK ELEVATION
(239.1)	NOT USED TO DEVELOP BEDROCK ELEVATION CONTOURS (SEE NOTES 6 & 7)

NOTES:

1. HORIZONTAL DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM OF 1983.
2. CONTOUR INTERVAL = 2 FEET.
3. MAP COMPILED FROM ACTUAL FIELD SURVEY PERFORMED BY BBL, INC. FROM JULY 16, 2003 THROUGH AUGUST 14, 2003, AND FROM MERIDAN LAND SERVICES, INC. JANUARY 22, 2004.
4. MACROCORE REFUSAL AND WEATHERED ROCK WERE OBSERVED AT THE BOTTOM OF SOIL BORINGS MSSB-B06, -B07, -B12, -B13, -B15, -B17, -C01, -C03, -C07E, -C07NW, -C07W, -C08, -C08N, -C11N -C12, -C12N, -C13N, -C13NE, -C14, -C17S, -D07, -D07SE, D07W, -D11, -D13, -D13E, -D15, -E03, AND -G01. THE REMAINING BEDROCK ELEVATIONS WERE DETERMINED BY MACROCORE REFUSAL ONLY.
5. BEDROCK ELEVATIONS FROM THE 1993 EPA RI BEDROCK SURFACE MAP (EB-07A, -08A, -09A, -13, -19), MONITORING WELL REPORTS (MW-07A, -09A, -21C) AND CROSS SECTIONS (EB-14) ARE REFERENCED TO NGVD 1929 AND WERE CONVERTED TO NAVD 1988 FOR THIS FIGURE.
6. THE ELEVATION OF BEDROCK AT HISTORIC EPA LOCATION EB-12 AND EB-21C ARE BASED ON SOIL BORINGS INSTALLED BY BBL FOR ADDITIONAL PCB DELINEATION.
7. ELEVATIONS FOR MSSB-E05, -F07, AND -G05 APPEAR TO BE RELATED TO A BOULDER ZONE DEPICTED IN 1993 EPA RI CROSS SECTIONS AND ARE SHOWN FOR INFORMATION ONLY.
8. BEDROCK ELEVATION FOR EB-08A AND MW-25C ARE SHOWN FOR INFORMATION ONLY DUE TO SPATIAL DISTRIBUTION.

X: 10002X05.DWG
L: ON=*, OFF=*REF*
P: PAGESET/PLT-DL
1/14/05 SYR-85-GMS GMS LJP NJR
C/10002090/10002009.DWG

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PRE-DESIGN REPORT

MILL STREET AREA - BEDROCK ELEVATION CONTOURS

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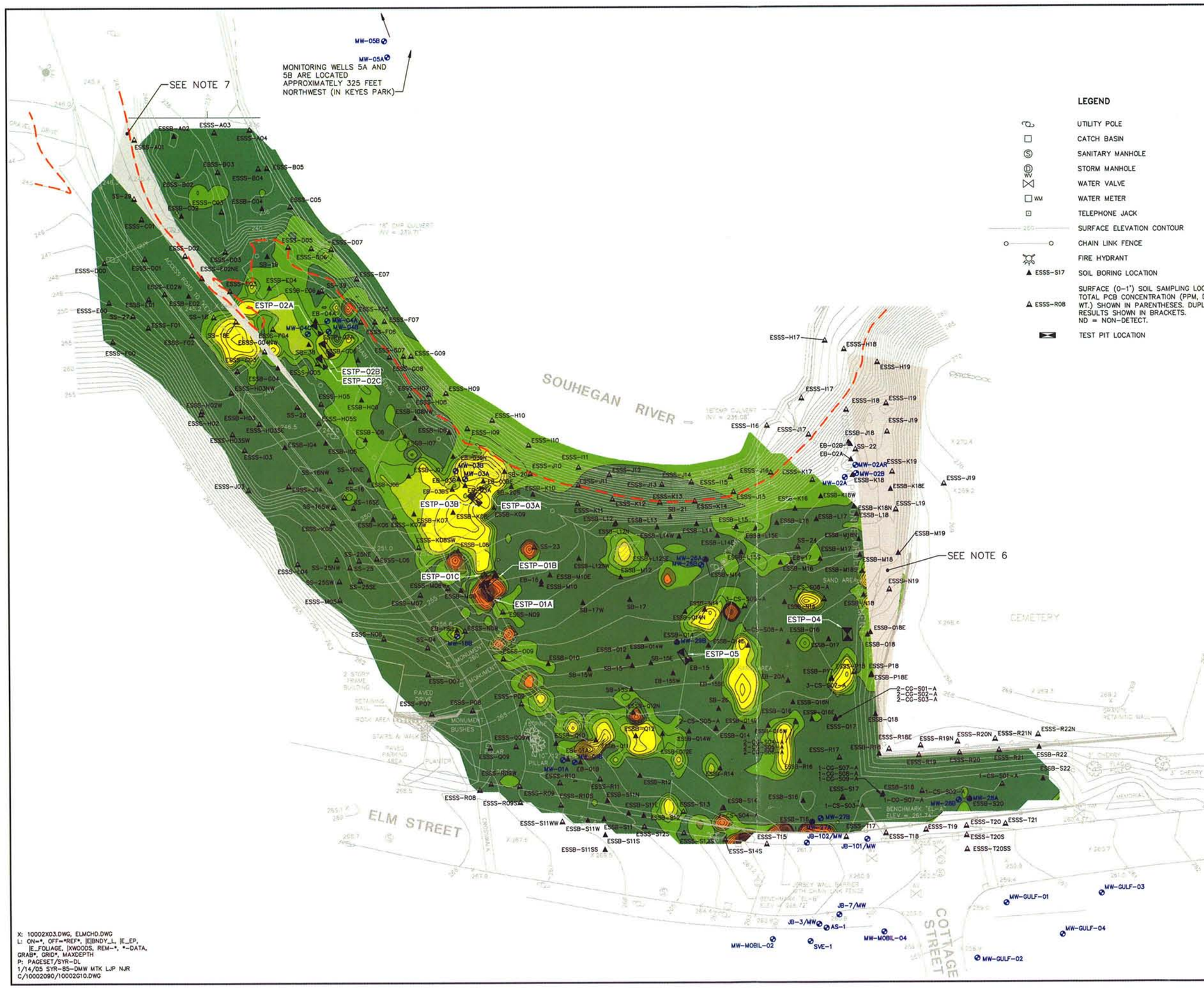
FIGURE 17



LEGEND

- UTILITY POLE
- CATCH BASIN
- SANITARY MANHOLE
- STORM MANHOLE
- WATER VALVE
- WATER METER
- TELEPHONE JACK
- SURFACE ELEVATION CONTOUR
- CHAIN LINK FENCE
- FIRE HYDRANT
- ESSS-S17 — SOIL BORING LOCATION
- ESSS-R08 — SURFACE (0-1') SOIL SAMPLING LOCATION TOTAL PCB CONCENTRATION (PPM, DRY WT.) SHOWN IN PARENTHESES. DUPLICATE RESULTS SHOWN IN BRACKETS. ND = NON-DETECT.
- TEST PIT LOCATION
- MW-02A — MONITORING WELL
- APPROXIMATE ELEVATION OF 100-YEAR FLOOD PLAIN

RESPONSE (MV):

1200
200
100
-50
-100
-500
-900
-1200

FIGURE NOTES:

1. ELEVATIONS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
2. HORIZONTAL DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM OF 1983.
3. CONTOUR INTERVAL = 1 FEET.
4. LOCATION OF UNDERGROUND UTILITIES AND OTHER UNDERGROUND STRUCTURES OBTAINED BY FIELD MEASUREMENTS WHERE POSSIBLE, OTHERWISE OBTAINED FROM OTHER SOURCES AND MAY BE APPROXIMATE ONLY.OTHER UNDERGROUND UTILITIES AND STRUCTURES MAY EXIST, THE LOCATION OF WHICH ARE PRESENTLY UNKNOWN.
5. MAP COMPILED FROM ACTUAL FIELD SURVEY PERFORMED BY BBL, INC. FROM JULY 16, 2003 THROUGH AUGUST 14, 2003 AND BY MERIDAN LAND SERVICES, INC. JANUARY 22, 2004.
6. TITLE TO SHADED AREA IS UNCERTAIN AT THIS TIME. NO BOUNDARY LINE AGREEMENT (REFERRED TO IN THE CHAIN OF TITLE) HAS BEEN FOUND.
7. SHADED AREA AT THE NORTHWEST CORNER OF THE LOT DEPICTS AREA WHICH IS PART OF THE ROAD TO THE KEYES FIELD PARCEL. NO CONVEYANCE TO THE TOWN FOR THIS AREA HAS BEED FOUND.

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0 30' 60'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
FLETCHER'S PAINT WORKS AND STORAGE FACILITY
SUPERFUND SITE - MILFORD, NEW HAMPSHIRE
PRE-DESIGN REPORT

ELM STREET AREA - EM-61 DIFFERENTIAL RESPONSE AND TEST PIT LOCATIONS

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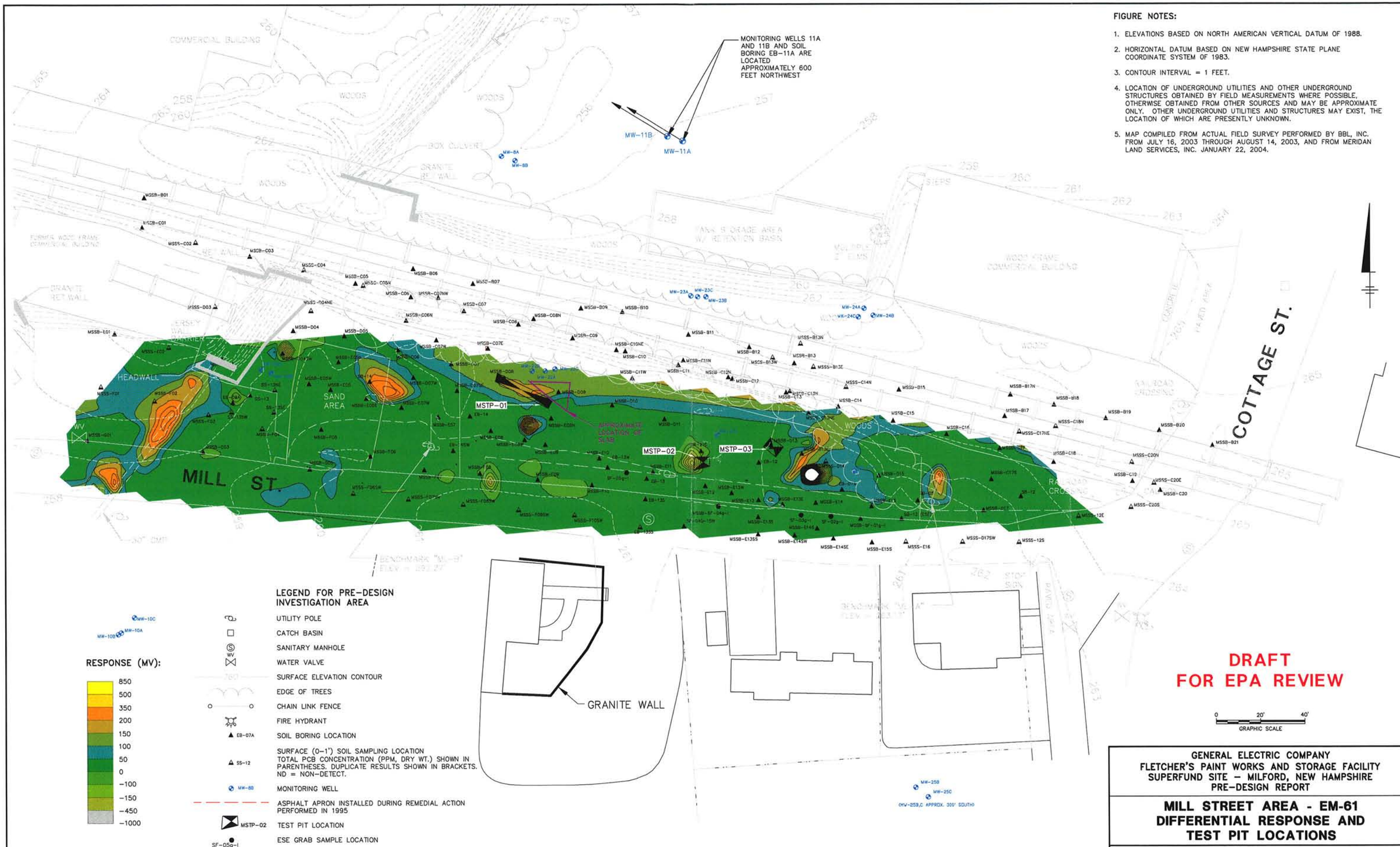
FIGURE
18

X: 10002X03.DWG, ELMCHD.DWG
L: ON=*, OFF=*REF*, |E|BNDY_L, |E_EP, |E_FOLIAGE, |XWOODS, REM-*, *-DATA, GRAB*, GRID*, MAXDEPTH
P: PAGESET/SYR-DL
1/14/05 SYR-B5-DMW MTK LJP NJR
C/10002090/10002G10.DWG

FIGURE NOTES:

1. ELEVATIONS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
2. HORIZONTAL DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM OF 1983.
3. CONTOUR INTERVAL = 1 FEET.
4. LOCATION OF UNDERGROUND UTILITIES AND OTHER UNDERGROUND STRUCTURES OBTAINED BY FIELD MEASUREMENTS WHERE POSSIBLE, OTHERWISE OBTAINED FROM OTHER SOURCES AND MAY BE APPROXIMATE ONLY. OTHER UNDERGROUND UTILITIES AND STRUCTURES MAY EXIST, THE LOCATION OF WHICH ARE PRESENTLY UNKNOWN.
5. MAP COMPILED FROM ACTUAL FIELD SURVEY PERFORMED BY BBL, INC. FROM JULY 16, 2003 THROUGH AUGUST 14, 2003, AND FROM MERIDAN LAND SERVICES, INC. JANUARY 22, 2004.



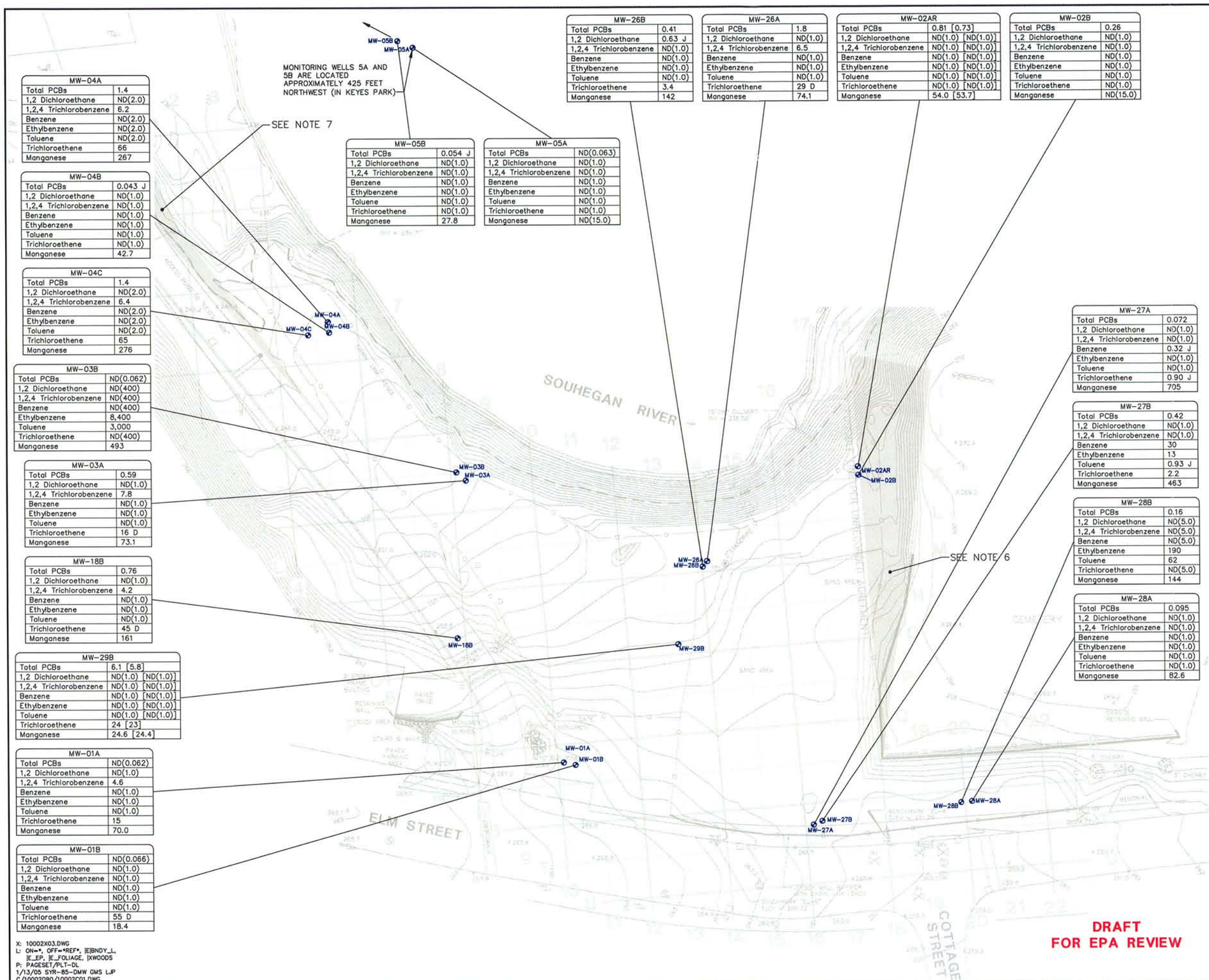
GENERAL ELECTRIC COMPANY
FLETCHER'S PAINT WORKS AND STORAGE FACILITY
SUPERFUND SITE – MILFORD, NEW HAMPSHIRE
PRE-DESIGN REPORT

MILL STREET AREA - EM-61 DIFFERENTIAL RESPONSE AND TEST PIT LOCATIONS

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

FIGURE 19

X: 10002X02.DWG, MILLCHD.DWG
L: ON=*, OFF=REF, |XSPOT, |XWOODS_ED,REM-*, *-DATA, GRID*, MAXDEPTH, SURV-SLAB
P: PAGESET/PLT-DL
1/14/05 SYR-BS-NES NJR SDL
C/10002090/10002G11.DWG



MW-04A	
Total PCBs	1.4
1,2 Dichloroethane	ND(2.0)
1,2,4 Trichlorobenzene	6.2
Benzene	ND(2.0)
Ethylbenzene	ND(2.0)
Toluene	ND(2.0)
Trichloroethene	66
Manganese	267

MW-04B	
Total PCBs	0.043 J
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	ND(1.0)
Manganese	42.7

MW-04C	
Total PCBs	1.4
1,2 Dichloroethane	ND(2.0)
1,2,4 Trichlorobenzene	6.4
Benzene	ND(2.0)
Ethylbenzene	ND(2.0)
Toluene	ND(2.0)
Trichloroethene	65
Manganese	276

MW-03B	
Total PCBs	ND(0.062)
1,2 Dichloroethane	ND(400)
1,2,4 Trichlorobenzene	ND(400)
Benzene	ND(400)
Ethylbenzene	8,400
Toluene	3,000
Trichloroethene	ND(400)
Manganese	493

MW-03A	
Total PCBs	0.59
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	7.8
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	16 D
Manganese	73.1

MW-18B	
Total PCBs	0.76
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	4.2
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	45 D
Manganese	161

MW-29B	
Total PCBs	6.1 [5.8]
1,2 Dichloroethane	ND(1.0) [ND(1.0)]
1,2,4 Trichlorobenzene	ND(1.0) [ND(1.0)]
Benzene	ND(1.0) [ND(1.0)]
Ethylbenzene	ND(1.0) [ND(1.0)]
Toluene	ND(1.0) [ND(1.0)]
Trichloroethene	24 [23]
Manganese	24.6 [24.4]

MW-01A	
Total PCBs	ND(0.062)
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	4.6
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	15
Manganese	70.0

MW-01B	
Total PCBs	ND(0.066)
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	55 D
Manganese	18.4

MW-05B	
Total PCBs	0.054 J
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	ND(1.0)
Manganese	27.8

MW-05A	
Total PCBs	ND(0.063)
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	ND(1.0)
Manganese	ND(15.0)

MW-26B	
Total PCBs	0.41
1,2 Dichloroethane	0.63 J
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	3.4
Manganese	142

MW-26A	
Total PCBs	1.8
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	6.5
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	29 D
Manganese	74.1

MW-02AR	
Total PCBs	0.81 [0.73]
1,2 Dichloroethane	ND(1.0) [ND(1.0)]
1,2,4 Trichlorobenzene	ND(1.0) [ND(1.0)]
Benzene	ND(1.0) [ND(1.0)]
Ethylbenzene	ND(1.0) [ND(1.0)]
Toluene	ND(1.0) [ND(1.0)]
Trichloroethene	ND(1.0) [ND(1.0)]
Manganese	54.0 [53.7]

MW-02B	
Total PCBs	0.26
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	ND(1.0)
Manganese	ND(15.0)

MW-27A	
Total PCBs	0.072
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	0.32 J
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	0.90 J
Manganese	705

MW-27B	
Total PCBs	0.42
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	30
Ethylbenzene	13
Toluene	0.93 J
Trichloroethene	2.2
Manganese	463

MW-28B	
Total PCBs	0.16
1,2 Dichloroethane	ND(5.0)
1,2,4 Trichlorobenzene	ND(5.0)
Benzene	ND(5.0)
Ethylbenzene	190
Toluene	62
Trichloroethene	ND(5.0)
Manganese	144

MW-28A	
Total PCBs	0.095
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	ND(1.0)
Manganese	82.6

LEGEND

- UTILITY POLE
- CATCH BASIN
- SANITARY MANHOLE
- STORM MANHOLE
- WATER VALVE
- WM WATER METER
- TELEPHONE JACK
- SURFACE ELEVATION CONTOUR
- CHAIN LINK FENCE
- FIRE HYDRANT
- MW-02A GROUNDWATER SAMPLING LOCATION (MONITORING WELL)
- DEPICTS APPROXIMATE ELEVATION OF 100-YEAR FLOOD PLAIN

DATA NOTES:

1. ALL SAMPLES WERE COLLECTED IN FEBRUARY 2004.
2. ANALYTE CONCENTRATIONS SHOWN IN PARTS PER BILLION, PPB.
3. ND(1.0) = NOT-DETECTED, DETECTION LIMIT SHOWN IN PARENTHESES.
4. D = COMPOUND QUANTITATED USING A SECONDARY DILUTION.
5. J = INDICATES AN ESTIMATED VALUE LESS THAN THE PRACTICAL QUANTITATION LIMIT (PQL).

FIGURE NOTES:

1. ELEVATIONS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
2. HORIZONTAL DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM OF 1983.
3. CONTOUR INTERVAL = 1 FEET.
4. LOCATION OF UNDERGROUND UTILITIES AND OTHER UNDERGROUND STRUCTURES OBTAINED BY FIELD MEASUREMENTS WHERE POSSIBLE, OTHERWISE OBTAINED FROM OTHER SOURCES AND MAY BE APPROXIMATE ONLY.OTHER UNDERGROUND UTILITIES AND STRUCTURES MAY EXIST, THE LOCATION OF WHICH ARE PRESENTLY UNKNOWN.
5. MAP COMPILED FROM ACTUAL FIELD SURVEY PERFORMED BY BBL, INC. FROM JULY 16, 2003 THROUGH AUGUST 14, 2003 AND BY MERIDAN LAND SERVICES, INC. JANUARY 22, 2004.
6. TITLE TO SHADED AREA IS UNCERTAIN AT THIS TIME. NO BOUNDARY LINE AGREEMENT (REFERRED TO IN THE CHAIN OF TITLE) HAS BEEN FOUND.
7. SHADED AREA AT THE NORTHWEST CORNER OF THE LOT DEPICTS AREA WHICH IS PART OF THE ROAD TO THE KEYES FIELD PARCEL. NO CONVEYANCE TO THE TOWN FOR THIS AREA HAS BEED FOUND.

0 30' 60'
GRAPHIC SCALE

DRAFT
FOR EPA REVIEW

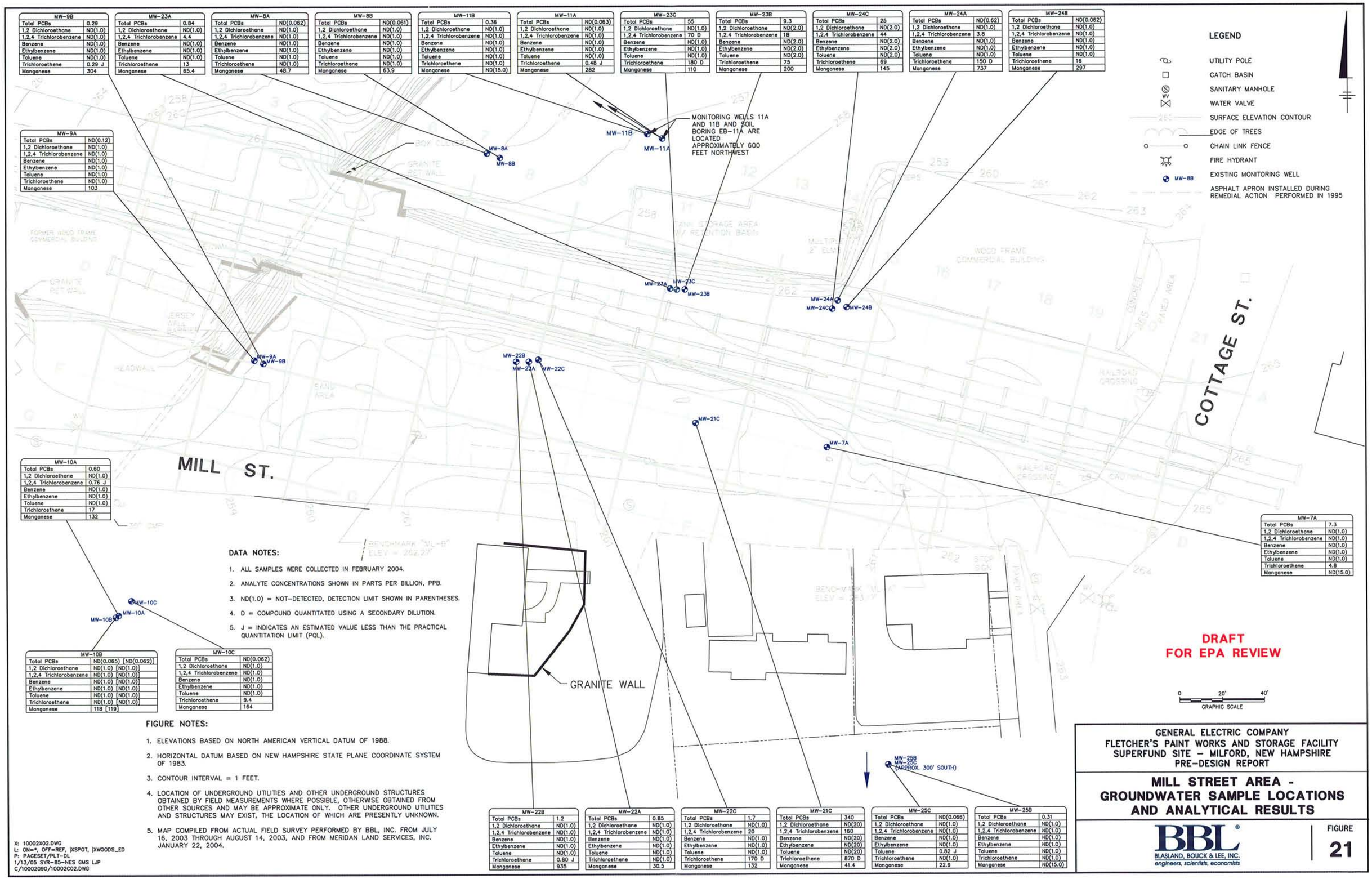
GENERAL ELECTRIC COMPANY
FLETCHER'S PAINT WORKS AND STORAGE FACILITY
SUPERFUND SITE – MILFORD, NEW HAMPSHIRE
PRE-DESIGN REPORT

ELM STREET AREA - GROUNDWATER SAMPLE LOCATIONS AND ANALYTICAL RESULTS

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

FIGURE
20

X: 10002X03.DWG
L: ON=*, OFF=*REF*, |E|BNDY_L, |E_EP, |E_FOLIAGE, |XWOODS
P: PAGESET/PLT-DL
1/13/05 SYR-85-DMW GMS LJP
C/10002090/10002C01.DWG



MW-9B	
Total PCBs	0.29
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	0.29 J
Manganese	304

MW-23A	
Total PCBs	0.84
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	4.4
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	13
Manganese	65.4

MW-8A	
Total PCBs	ND(0.062)
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	ND(1.0)
Manganese	48.7

MW-8B	
Total PCBs	ND(0.061)
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	ND(1.0)
Manganese	63.9

MW-11B	
Total PCBs	0.36
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	ND(1.0)
Manganese	ND(15.0)

MW-11A	
Total PCBs	ND(0.063)
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	0.48 J
Manganese	282

MW-23C	
Total PCBs	55
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	70 D
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	180 D
Manganese	110

MW-23B	
Total PCBs	9.3
1,2 Dichloroethane	ND(2.0)
1,2,4 Trichlorobenzene	18
Benzene	ND(2.0)
Ethylbenzene	ND(2.0)
Toluene	ND(2.0)
Trichloroethene	75
Manganese	200

MW-24C	
Total PCBs	25
1,2 Dichloroethane	ND(2.0)
1,2,4 Trichlorobenzene	44
Benzene	ND(2.0)
Ethylbenzene	ND(2.0)
Toluene	ND(2.0)
Trichloroethene	69
Manganese	145

MW-24A	
Total PCBs	ND(0.62)
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	3.8
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	150 D
Manganese	737

MW-24B	
Total PCBs	ND(0.062)
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	16
Manganese	297

MW-9A	
Total PCBs	ND(0.12)
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	ND(1.0)
Manganese	103

MW-10A	
Total PCBs	0.60
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	0.76 J
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	17
Manganese	132

MW-7A	
Total PCBs	7.3
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	4.8
Manganese	ND(15.0)

DATA NOTES:

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3. ND(1.0) = NOT-DETECTED, DETECTION LIMIT SHOWN IN PARENTHESES.
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5. J = INDICATES AN ESTIMATED VALUE LESS THAN THE PRACTICAL QUANTITATION LIMIT (PQL).

MW-10B	
Total PCBs	ND(0.065) [ND(0.062)]
1,2 Dichloroethane	ND(1.0) [ND(1.0)]
1,2,4 Trichlorobenzene	ND(1.0) [ND(1.0)]
Benzene	ND(1.0) [ND(1.0)]
Ethylbenzene	ND(1.0) [ND(1.0)]
Toluene	ND(1.0) [ND(1.0)]
Trichloroethene	ND(1.0) [ND(1.0)]
Manganese	118 [119]

MW-10C	
Total PCBs	ND(0.062)
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	9.4
Manganese	164

FIGURE NOTES:

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MW-22B	
Total PCBs	1.2
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	0.80 J
Manganese	935

MW-22A	
Total PCBs	0.85
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	ND(1.0)
Manganese	30.5

MW-22C	
Total PCBs	1.7
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	20
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	170 D
Manganese	132

MW-21C	
Total PCBs	340
1,2 Dichloroethane	ND(20)
1,2,4 Trichlorobenzene	160
Benzene	ND(20)
Ethylbenzene	ND(20)
Toluene	ND(20)
Trichloroethene	870 D
Manganese	41.4

MW-25C	
Total PCBs	ND(0.066)
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	0.82 J
Trichloroethene	ND(1.0)
Manganese	22.9

MW-25B	
Total PCBs	0.31
1,2 Dichloroethane	ND(1.0)
1,2,4 Trichlorobenzene	ND(1.0)
Benzene	ND(1.0)
Ethylbenzene	ND(1.0)
Toluene	ND(1.0)
Trichloroethene	ND(1.0)
Manganese	ND(15.0)

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

FIGURE 21

X: 10002X02.DWG
L: ON=*, OFF=REF, |XSPOT, |XWOODS_ED
P: PAGESET/PLT-DL
1/13/05 SYR-85-NES GMS LJP
C/10002090/10002C02.DWG