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June 22, 2011

Ms. Tara M. Blum, P.E.
NYSDEC Region 7
Division of Environmental Remediation
615 Erie Boulevard West
Syracuse, New York 13204-2400

Re: Carrier Corporation, Thompson Road Facility, Syracuse, New York
Corrective Action Order — Index CO 7-20051118-4
Soils Management Plan (SMP) with Pond #3 SE Corner TCE Investigation Work Plan, Revision 1

Dear Ms. Blum:

Please find enclosed one hard copy of the revised *Soils Management Plan* (SMP) for construction of Ponds #1, #2, and #3. As discussed in our June 7, 2011, telephone call, the Appendices of this revision include only the updated data from the expanded TCE investigation (Appendix A) and the revised Tables (Appendix B). The analytical data from the original pond borings as well as the expanded TCE investigation work plan were included in the May 2011 submittal of the SMP.

Each of the comments in your June 3, 2011, correspondence was addressed in the revised plan, and a summary is provided below:

Comment #1: EnSafe's 5/2/11 letter response to Comment #1 did not address the comment. No discussion is provided as to the applicability of Industrial Use Soil Cleanup Objectives. The Department has not changed its mind on our previous position that the NYSDEC Protection of Groundwater (GW) Soil Cleanup Objectives (SCOs) are applicable (Subpart 375-6.5). Although the Protection of GW SCOs are shown in the tables, the text and figures utilized in the document do not make the requested comparison of the analytical data to Protection of GW SCOs. The Department again requests that the text and figures be revised utilizing the applicable SCOs.

Response #1: The text and figures of the revised SMP include a comparison to the GW SCOs.

Comment #2: Soils Management Plan, Section 1.2, Bullet #2: The Department generally agrees with your soils management approach, however, as stated in Comment #1, the Protection of GW SCOs are applicable and must be taken into account. Therefore, the Department proposes that soils with COC concentrations above the applicable Protection of GW SCOs but below the Industrial Use SCOs may be reused at that pond location under

the lined portion of the constructed berm, thus minimizing the potential for contact with precipitation and storm water infiltration. It is also our understanding, although not clear from Figure 5 in the document, that groundwater that may come into contact with this soil will be collected in the pond's underdrain system and undergo treatment prior to discharge. If this understanding is incorrect, please contact us immediately to discuss. In order to fully resolve this issue, a revised Figure 5 along with the appropriate text which clarifies this approach must be submitted for review and approval.

Response #2: Carrier will locate excavated soils with COC concentrations above the GW SCOs and below the Industrial Use SCOs under the lined portion of the constructed berm. As discussed in our June 7 call, the estimated excavated volume of soil (~2,500 cubic yards [cy]) at Pond #3 with COC concentrations above the GW SCOs exceeds the volume of airspace under the liner (~150 cy), as currently designed. The liner can be extended on the south and west sides of the pond berm so that approximately 1,500 cy of excavated soil can be placed under liner. This will leave an excess of approximately 1,000 cy of soil with COCs above the GW SCOs that will need to be managed.

Carrier proposes a contingency plan in the form of approval from NYSDEC to use these soils underneath the lined portions of the berms at Ponds #1 and #2. Soils transported from this pond location for use at another area onsite will be sampled in accordance with *DER-10/Techncial Guidance for Site Investigation and Remediation, May 3, 2010; Table 5.4(e)10*.

Because Pond #2 construction has already begun, Carrier requests a decision on the use of the Pond #3 excavated soils (above the GW SCOs but below the Industrial Use SCOs) at Pond #1 and #2, ahead of final approval of the revised SMP.

Berm construction at all three ponds will be well above the groundwater table, with berm construction in most cases beginning at existing grade. In no instance will excavated soils with COCs above the GW SCOs be placed below the groundwater table. The text and figures of the revised SMP address this NYSDEC concern.

Comment #3: EnSafe's response to Comment #5 does not fully address the comment. The additional soil investigation in the southeast corner of pond #3 resulted in confirmation that some soil in the vicinity of POND3B9 may be impacted by groundwater or storm water containing chlorinated solvents (see results for sample POND3B12(5-9W)). The soil samples with the highest TCE, DCE and VC concentrations appear to be adjacent to a catch basin and sewer line. The Department requests further investigation and delineation as to the source of this potentially contaminated groundwater /storm water.

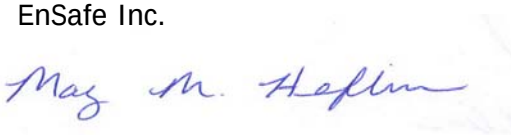
Response #3: The soil sample obtained from location POND3B12(5-9W) does contain chlorinated volatile organic compounds (TCE, cis-1,2-DCE, and VC [0.757 mg/kg, 0.53 mg/kg and 0.0218 mg/kg, respectively]) at concentrations just above the GW SCOs, with the TCE concentration substantially lower than that found at POND3B9 (33.6 mg/kg). A catch basin lies approximately 25 feet northeast of boring POND3B9 and approximately 40 feet southeast of boring POND3B12. During Pond #3 soil excavation activities, this catch basin will be removed. At that time, Carrier will obtain a sample from the soils immediately underneath the catch basin as well as a confirmation soil sample below the catch basin at the depth of the final excavation

(estimated to be 9 feet bgs). If visual observations indicate an area of suspected contamination adjacent to the catch basin, a soil sample will be obtained there. A hand-auger with an extension rod or the back-hoe bucket will be used to obtain this sample, which will be submitted to a New York certified laboratory for volatile organic compound analysis using EPA Method 8260B. These samples will be submitted to New York certified laboratory with expedited turn-around times requested.

Please contact me at (615) 255-9300 or mheflin@ensafe.com, if you have any questions.

Sincerely,

EnSafe Inc.



By: May M. Heflin, P.E.

Encl. *Soils Management Plan, Rev 1, June 2011*

cc: Mr. Larry Rosenmann — NYSDEC, DER Central Office (1 hard copy)
Mr. Mark Sergott — NYSDOH (1 hard copy)
Mr. James E. Gruppe — NYSDEC (1 hard copy)
Mr. William Penn — UTC (electronic copy)
Mr. Nelson Wong — Carrier Corp. (electronic copy)

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SOILS MANAGEMENT PLAN
PONDS 1, 2, AND 3 CONSTRUCTION

UNITED TECHNOLOGIES/CARRIER
THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

EnSafe Project Number
0888810526

Revision No.: 1

Prepared for:

United Technologies Corporation
UTC Shared Remediation Services
United Technologies Building
Hartford, Connecticut 06010

Prepared by:

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June 2011

SOILS MANAGEMENT PLAN
PONDS 1, 2, AND 3 CONSTRUCTION

UNITED TECHNOLOGIES/CARRIER
THOMPSON ROAD FACILITY
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Prepared By:

May M. Heflin, PE

June 21, 2011
Date

Reviewed By:

Lori Goetz

June 21, 2011
Date

Table of Contents

Figures

Appendices

1.0 INTRODUCTION

As part of Carrier's ongoing approach to managing storm water discharges from Drainage Basin 002 to Sanders Creek, Carrier will construct three storm water retention ponds (Figure 1 — Proposed Ponds 1, 2, and 3 Locations) that will retain the runoff from the 25-year, 24-hour design storm event in the post-development Outfall 002 watershed. These ponds will be capable of retaining approximately 2.4 million gallons of runoff from the post-development portion of the Carrier site tributary to Outfall 002. This Soil Management Plan (SMP) outlines Carrier's soil management approach during construction of three storm water retention ponds at the Thompson Road facility in Syracuse, New York.

Carrier will excavate each pond to a depth that provides the storm water retention volume as specified in the New York State Department of Environmental Conservation (NYSDEC)-approved engineering drawings. In general, the excavated soil will be used to construct each pond's surrounding berm. This soil management approach will minimize the need for offsite fill for berm construction and the need for offsite disposal of excavated soil.

1.1 Ponds Soil Investigation

In March 2011, Carrier advanced four to ten soil borings at each pond location to ensure proper soil management for the excavated materials. Samples were collected for site-specific contaminants of concern (COCs) historically found at the site. Figures 2 through 4 — Pond Boring Locations, show the approximate locations of each boring. Soil samples were obtained using a direct push technology (DPT) rig. Samples were collected in up to 4-foot sample intervals to the design excavation depth:

- Pond #1, approximately 7 feet below ground surface (bgs)
- Pond #2, approximately 6 to 10 feet bgs
- Pond #3, approximately 9 feet bgs

The upper 4-foot sample interval was terminated at the soil-groundwater interface, and a second sample interval was collected below the apparent groundwater table.

The soil in each sample interval was composited and submitted to Accutest Laboratories in Dayton, New Jersey (New York Certification 11791), and analyzed for the following:

- volatile organic compounds (VOCs) — MethodSW846 8260B
- semi-volatile organic compounds (SVOCs) — Method SW846 8270C
- total Resource Conservation and Recovery Act (RCRA) metals — Method SW846 6010B
- polychlorinated biphenyls (PCBs) — Method SW846 8082

CREEK
COURT STREE
ROUTE 298
COURT STREET
FORMER MOTEL
FORMER GAS STATION
WETLAND
MOTEL
MCDONALD'S
PARKING LOT
ROUTE 298
PARKWAY
SANDERS CREEK
PARKING LOT
HOTEL
PARKING LOT
PARKING LOT
SANDERS CREEK
FORMER TR-2
PROPOSED POND 3
TREATMENT BUILDING
FORMER TR-3
FORMER A & R
PARKING LOT
ROAD
THOMPSON
PARKING LOT
TR-1
PROPOSED POND 2
TR-18
TR-18S
TR-4
TR-5
TR-19
TR-6
TR-7
TR-7A
TR-6A
WOODED AREA
PROPOSED POND 1
TR-11
TR-10
TR-10
TR-13
TR-21
TR-21A
TR-8
TR 23
TR-10A
TR-10B
TR-12
TR-14
THOMPSON ROAD
ACCESS ROAD
PARKING

GRAPHIC SCALE
0 250 500
(IN FEET)

NOTIFICATION FIGURE 1
PROPOSED POND LOCATIONS
CARRIER FACILITY
SYRACUSE, NEW YORK

REQUESTED BY:	MH
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GRAPHIC SCALE

0 40 80

(IN FEET)

THOMPSON ROAD

FOURTH STREET

TR-11

4"ST 6"ST 4"ST

MH78A

MH78

21"ST

8"ST

MH77A

MH77 8"ST

MH77

12"ST

AROCLOR 1254

POND1B4

PROPOSED POND #1

MH116

MH116A

18"ST

POND1B3

MH77B

18"ST

ACETONE

POND1B2

POND1B1

12" SAN

8"STEEL NAT.GAS

- SOME CONCENTRATIONS < APPLICABLE USCO
- SOME CONCENTRATIONS > APPLICABLE GWSCO BUT < APPLICABLE ISCO
- SOME CONCENTRATIONS > APPLICABLE ISCO

USCO = UNRESTRICTED SOIL CLEANUP OBJECTIVE
GWSCO = GROUNDWATER SOIL CLEANUP OBJECTIVE
ISCO = INDUSTRIAL SOIL CLEANUP OBJECTIVE

FIGURE 2
POND #1 BORING LOCATIONS
SOILS MANAGEMENT PLAN, REV1, JUNE 2011
CARRIER FACILITY
SYRACUSE, NEW YORK

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201

H200

FIRST STREET

GRAPHIC SCALE

0 40 80

(IN FEET)

TR-1E

TR-18

NO PIPES APPARENT

MH214

MH199

MH195

MH194

MH196

I.E. 33.2

MH197

MH147

MH148

MH218

MH219

MH150

MH220

MH151

MH153

MH224

MH152

MH222B

MH220A

MH220B

8" ST

12" ST

42" ST

6" ST

4" ST

10" ST

36" ST

18" ST

PROPOSED POND #2

POND2B5

POND2B6

POND2B3

POND2B4

POND2B2

POND2B1

NOTE: BORING LOCATIONS POND2B1 AND POND2B5 ARE APPROXIMATE.

- SOME CONCENTRATIONS < APPLICABLE USCO
- SOME CONCENTRATIONS > APPLICABLE GWSCO BUT < APPLICABLE ISCO
- SOME CONCENTRATIONS > APPLICABLE ISCO

USCO = UNRESTRICTED SOIL CLEANUP OBJECTIVE
GWSCO = GROUNDWATER SOIL CLEANUP OBJECTIVE
ISCO = INDUSTRIAL SOIL CLEANUP OBJECTIVE

FIGURE 3
POND #2 BORING LOCATIONS
SOILS MANAGEMENT PLAN, JUNE 2011
CARRIER FACILITY
SYRACUSE, NEW YORK

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GRAPHIC SCALE

0 40 80

(IN FEET)

NOTE: BORING LOCATIONS
POND3B4 IS APPROXIMATE.

ACETONE
POND3B5

ACETONE
PAH's
POND3B6

ACETONE
POND3B4

POND3B3

POND3B12

POND3B2A
AROCLOR 1254
AROCLOR 1260

AROCLOR 1254
POND3B1

POND3B11

POND3B9

POND3B7
AROCLOR 1254

POND3B2

VC

AROCLOR 1254
CIS 1,2-DCE
VC
POND3B10

POND3B8

PROPOSED POND #3

FORMER TR-3

MW-14D
MW-14
EX. 10"FM
MH6
MH203
MH192
MH191
MH190
MH193
MH254
MH196B
MH196A
MH006A
12"ST
10"ST
15"ST
CONC

- SOME CONCENTRATIONS < APPLICABLE USCO
- SOME CONCENTRATIONS > APPLICABLE GWSCO BUT < APPLICABLE ISCO
- SOME CONCENTRATIONS > APPLICABLE ISCO

USCO = UNRESTRICTED SOIL CLEANUP OBJECTIVE
GWSCO = GROUNDWATER SOIL CLEANUP OBJECTIVE
ISCO = INDUSTRIAL SOIL CLEANUP OBJECTIVE

FIGURE 4
POND #3 BORING LOCATIONS
SOILS MANAGEMENT PLAN, JUNE 2011
CARRIER FACILITY
SYRACUSE, NEW YORK

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The Accutest laboratory analytical data is provided in Appendix A — Accutest Laboratory Data Sheets. Summary data tables are provided in Appendix B.

1.2 General Soils Management Approach

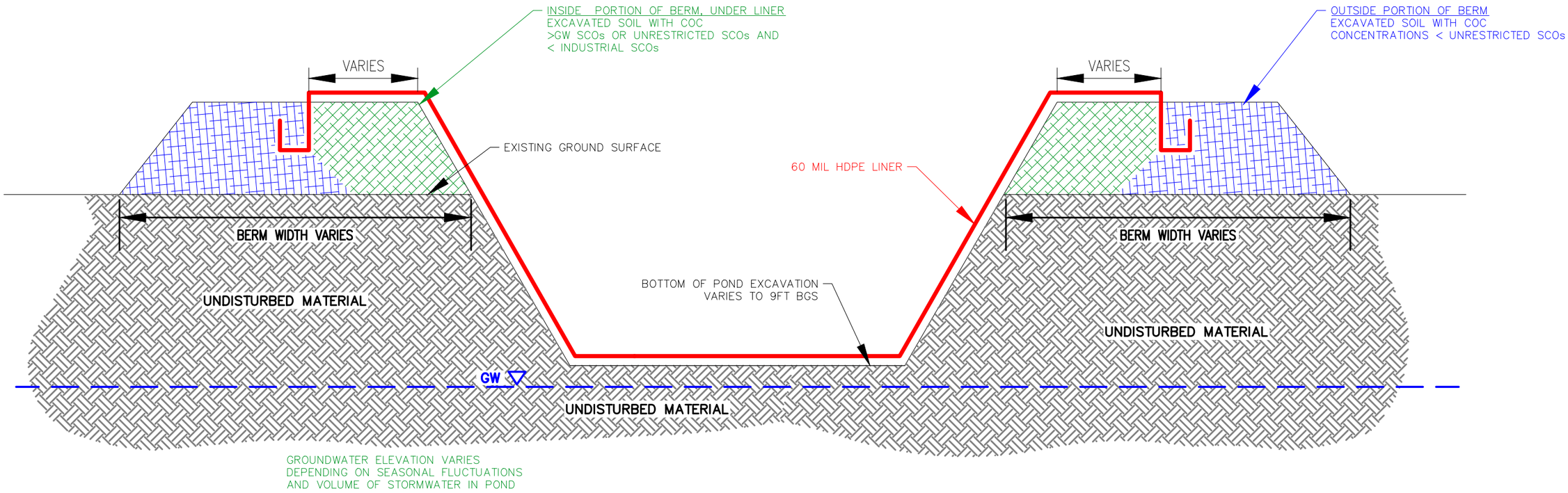
Soil from each pond will be excavated and segregated (if necessary) for onsite reuse in berm construction based on March 2011 findings and in accordance with applicable requirements (*NYSDEC, Division of Environmental Remediation; 6 NYCRR PART 375 Environmental Remediation Programs; Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives*).

- Soils with COC concentrations below applicable Unrestricted Soil Cleanup Objectives (SCOs) will be reused in berm construction, preferentially on the outside of the berm, not under the liner (see Figure 5 — Typical Berm Cross-Section). In general, these soils will not be used in berm construction at other ponds, except as noted in Section 2.2 below. Because these soils meet Unrestricted SCOs, they may be used on-site at other berm locations or used to achieve grade at the former Building TR-1/TR-2 footprints, in accordance with *DER-10/Technical Guidance for Site Investigation and Remediation, May 3, 2010; Table 5.4(e)4*.

- Soils with COC concentrations above the applicable Groundwater (GW) SCOs but below applicable Industrial SCOs will be reused under the lined portion of the constructed berm, thus minimizing the potential for contact with precipitation and storm water infiltration. In general, these soils will not be used in berm construction at other ponds, except as noted in Section 2.3.

- Soils above Industrial SCOs will be managed offsite (i.e., disposed of as a non-hazardous, special waste at an approved landfill).

The following sections describe the proposed soil managementplan at each pond area. Storm water and groundwater management are addressed in Carrier's Town of DeWitt (TOD)-approved *Campus Consolidation Engineering Drawings and Storm Water Pollution Prevention Plan (SWPPP)*, and NYSDEC-approved *Ponds 1, 2, and 3 Engineering Drawings*.



NOT TO SCALE

FIGURE 5
TYPICAL BERM CROSS SECTION, REV 1
STORMWATER RETENTION PONDS
CARRIER FACILITY
SYRACUSE, NEW YORK

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2.0 SOIL MANAGEMENT PLANNING

2.1 Pond #1Soils Management

Pond #1 will be excavated to an approximate depth of 7 feet bgs. An estimated 4,800 cubic yards (CY) of soil will be excavated to construct Pond #1. To determine soil management options for Pond #1 excavated soils, seven composite soil samples were collected from four borings at the approximate locations indicated in Figure 2; detected COCs are summarized in Appendix B — Table 1. A summary of the findings is as follows:

- Soil samples from soil boring Pond1B1 (Section 1) upper (approximately 1- to 4-foot depth) and lower (approximately 4- to 7-foot depth) sample intervals were below GW SCOs.

- Soil samples from soil boring Pond1B2 (Section 2) upper sample interval had a detection of Acetone above the GW SCO at 0.169 mg/kg. The remaining VOC, SVOC, and PCB concentrations in this sample interval as well as the lower sample interval were below both GW and Unrestricted SCOs.

- The soil sample from the upper sample interval at soil boring Pond1B3 (Section 3) was below GW SCO and Unrestricted SCOs for VOCs, SVOCs, and PCBs. A lower interval sample was not obtained.

- Soil samples from soil boring Pond1B4 (Section 4) upper and lower sample intervals were below GW SCOs.

Soils from Pond #1 will be managed as follows:

- The pond will be sectioned (using spray paint) in the field into four quadrants, each roughly 45 feet by 60 feet (Figure 6 — Pond #1 Soil Management).

- Excavated soils with COC concentrations above the GW SCOs (and Unrestricted SCOs) will be used to construct the inside portion of the berm, under the 60-mil high-density polyethylene (HDPE) pond liner, in accordance with reuse options listed in DER-10, Table 5.4(e). This portion of the berm will be covered by tarps at the end of each day until the liner is placed.

GRAPHIC SCALE

0 40 80

(IN FEET)

THOMPSON ROAD

FOURTH STREET

TR-11

MH78A

MH78

MH77

MH77A

MH77B

MH116

MH116A

4"ST

6"ST

21"ST

8"ST

12"ST

18"ST

12" SAN

8"STEEL NAT.GAS

AROCLOR 1254

POND1B4

POND1B3

ACETONE

POND1B2

POND1B1

SECTION 1

SECTION 2

SECTION 3

SECTION 4

PROPOSED POND #1

APPROXIMATE TOP OF BERM

- SOME CONCENTRATIONS < APPLICABLE USCO
- SOME CONCENTRATIONS > APPLICABLE GWSCO BUT < APPLICABLE ISCO
- SOME CONCENTRATIONS > APPLICABLE ISCO

USCO = UNRESTRICTED SOIL CLEANUP OBJECTIVE
GWSCO = GROUNDWATER SOIL CLEANUP OBJECTIVE
ISCO = INDUSTRIAL SOIL CLEANUP OBJECTIVE

FIGURE 6
POND #1 SOILS MANAGEMENT
SOILS MANAGEMENT PLAN, JUNE 2011
CARRIER FACILITY
SYRACUSE, NEW YORK

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— Prior to use in berm construction, these excavated soils will be sampled in accordance with the recommendations set forth in *DER-10/Technical Guidance for Site Investigation and Remediation , May 3, 2010; Table 5.4(e)10,* to determine their final reuse disposition.

- Excavated soils that meet Unrestricted SCOs for VOCs, SVOCs, and PCBs will be temporarily stockpiled or used immediately to construct the outer section of the berm. These soils will be managed in accordance with the construction SWPPP, site best management practices (BMP) and other applicable requirements listed in DER-10, Table 5.4(e) for unrestricted reuse options.

- Excavated asphalt and gravel may be used at other locations onsite.

2.2 Pond #2 Soils Management

Pond #2 will be excavated to an approximate depth of 6 feet bgs on the northern end and up to 10 feet bgs on the southern end of the pond. An estimated 9,300 CY of soil will be removed. Eight composite soil samples were collected from six borings (Figure 3); detected COCs are summarized in Appendix B — Table 2. All COCs were below Unrestricted SCOs. Soil excavated from this location will not be segregated and will be used without restriction in berm construction. If necessary, soils from this excavation may be used in berm construction at Ponds #1 and #3 or used to achieve grade at the former Building TR-1 and TR-2 footprints. Soils transported from this pond location for use at another area onsite will be sampled in accordance with *DER-10/Technical Guidance for Site Investigation and Remediation, May 3, 2010; Table 5.4(e)10*.

2.3 Pond #3 Soils Management

Pond #3 will be excavated to an approximate depth of 9 feet bgs. An estimated 8,600 CY of soil will be removed. Twenty-five composite soil samples were collected from 12 borings (Figure 4); detected COCs are summarized in Appendix B — Table 3. The pond footprint was roughly divided into 6 sections with a boring advanced in each section. Four additional borings were placed in the southeast section because a petroleum-like odor was noted during drilling activities. TCE was detected in one of these soil borings (Pond3B9) from the lower sample interval (approximately 5- to 9-feet bgs) at 33.6 mg/kg. An expanded TCE investigation was conducted as summarized in the work plan included as Appendix C. Three additional borings were advanced as part of this investigation and soil samples were obtained from the lower and upper intervals. The data summary table in Appendix B has been updated to include data from soil borings Pond3B10, Pond3B11 and Pond3B12. Only soil boring sample Pond3B12 contained chlorinated volatile organic

compounds (TCE, cis-1,2-DCE, and VC [0.757 mg/kg, 0.53 mg/kg and 0.0218 mg/kg, respectively]) at concentrations just above the GW SCOs, with the TCE concentration substantially lower than that found at POND3B9 (33.6 mg/kg).

Chemical analysis detected PCBs, VOCs, and SVOCs above GW SCOs but below Industrial SCOs at various horizons within the soil column, as follows:

- Soil samples from the lower sample intervals (approximately 6- to 10-foot depth) in Section 1, 4 and 5.

- Soil samples from the upper sample intervals (approximately 0- to 6-foot depth) in Section 2.

- Soil samples from both lower and upper intervals (approximately 0- to 10-foot depth) in Section 6.

Soil excavated from Pond #3 will be managed as follows:

- The pond will be sectioned (using spray paint) in the field into six sections (Figure 7 — Pond #3 Soil Management).

- Excavated soils with COC concentrations above the GW SCOs (and Unrestricted SCOs) will be used to construct the inside portion of the berm, under the pond liner, in accordance with reuse options listed in DER-10, Table 5.4(e). This portion of the berm will be covered by tarps at the end of each day until the liner is placed.

    — Prior to use in berm construction, these excavated soils will be sampled in accordance with the recommendations set forth in *DER-10/Technical Guidance for Site Investigation and Remediation , May 3, 2010; Table 5.4(e)*10, to determine their final reuse disposition.

- Excavated soils that meet Unrestricted SCOs for VOCs, SVOCs, and PCBs will be temporarily stockpiled or used immediately to construct the outer section of the berm. These soils will be managed in accordance with the construction SWPPP, site best management practices (BMP) and other applicable requirements listed in *DER-10, Table 5.4(e)* for unrestricted reuse options.

GRAPHIC SCALE

0 40 80

(IN FEET)

MW-14 MW-14D

EX. 10"FM

MH203

MH6

MH192

MH190

MH191

ACETONE

ACETONE
PAH's

POND3B6

SECTION 1

SECTION 2

ACETONE

POND3B3

POND3B4

SECTION 3

SECTION 4

APPROXIMATE
TOP OF BERM

POND3B12

POND3B2A

AROCLOR 1254
AROCLOR 1260

MH195

AROCLOR 1254

POND3B7

POND3B1

POND3B11

POND3B9

AROCLOR 1254

POND3B2

VC

SECTION 5

POND3B10

POND3B8

AROCLOR 1254
CIS 1,2-DCE
VC

SECTION 6

PROPOSED POND #3

MH006A

FORMER TR-3

NOTE: BORING LOCATION
POND3B4 IS APPROXIMATE.

MH254

MH196B

MH196A

12"ST

0"ST

12"ST

15"ST

- SOME CONCENTRATIONS < APPLICABLE USCO
- SOME CONCENTRATIONS > APPLICABLE GWSCO BUT < APPLICABLE ISCO
- SOME CONCENTRATIONS > APPLICABLE ISCO

USCO = UNRESTRICTED SOIL CLEANUP OBJECTIVE
GWSCO = GROUNDWATER SOIL CLEANUP OBJECTIVE
ISCO = INDUSTRIAL SOIL CLEANUP OBJECTIVE

FIGURE 7
POND #3 SOILS MANAGEMENT
SOILS MANAGEMENT PLAN, JUNE 2011
CARRIER FACILITY
SYRACUSE, NEW YORK

REQUESTED BY:	MH
DRAWN BY:	AW
DWG DATE:	06-16-11
DWG:	10526

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- Excavated asphalt and gravel may be used at other locations onsite.

The estimated excavated volume of soil at Pond #3 with COC concentrations above the GW SCOs (approximately 2,500 CY) exceeds the volume of airspace under the liner (approximately 150 CY), as currently designed. The liner can be extended on the south and west sides of the pond berm so that approximately 1,500 CY of excavated soil can be placed under liner. This will leave an excess of approximately 1,000 CY of soil with COCs above the GW SCOs that will need to be managed.

With approval from NYSDEC, Carrier will use the soil in excess of the airspace available under the Pond #3 liner (approximately 1,500 CY air space) underneath the lined portions of the berms at Ponds #1 and #2, regardless of the COC concentrations and as long as they do not exceed Industrial SCOs. Soils excavated from Pond #3 and used in berm construction at one of the other ponds will sampled in accordance with the recommendations set forth in *DER-10/Technical Guidance for Site Investigation and Remediation , May 3, 2010; Table 5.4(e)10*.

2.4 Soil Reuse Volumes

Carrier plans to use all excavated soil in berm construction, with no excess soils excavated. Table 1 summarizes the estimated soil volumes to be reused onsite.

Table 1
Estimated Pond Excavation Volumes

Pond Location	Total Estimated Excavation Volume[1] (cy)	Soil Volume <Unrestricted Use[2] (cy)	Soil Volume >Groundwater Protection[3] (cy)	Soil Volume >Industrial Use Restrictions[4] (cy)
Pond #1	4,800	2,900 (60%)	1,900 (40%)	0 (0%)
Pond #2	9,300	9,300 (100%)	0 (0%)	0 (0%)
Pond #3	8,600	4,300 (50%)	2,500 (30%) above GWSCO 1,700 (20%) above USCO	0 (0%)

Notes:
1 Estimated excavation volume includes asphalt and gravel subbase.
2 Excavated soil that may be used without restriction onsite.
3 Excavated soil that will be used in berm construction under liner.
4 Excavated soil that will be disposed of offsite.

If the volume of excavated soil is insufficient to build an entire berm then additional fill material will have to be transported to the site. Soil imported to the site will be sampled in accordance with the recommendations set forth in *DER-10/Technical Guidance for Site Investigation and Remediation, May 3, 2010; Table 5.4(e)10*.

3.0 RECORDKEEPING

Oversight personnel will keep a written record and photographic log of material being excavated from each pond. The representative will documentfor the record at a minimumsuch things as weather conditions, the volume of soil excavated per day, disposition of the soil within the berm, and whether or not visual and/or suspected contamination is encountered during the excavation activity.

4.0 SOIL MANAGEMENT PROCEDURES FOR SUSPECTED CONTAMINATION

If visual and/or suspected contamination is noted during the excavation activities, the material will be segregated into a separate stockpile (see the section on BMPs in regards to stockpiling suspected contamination). A composite soil sample will be collected at a frequency of one sample per 100 cubic yards excavated. Soil samples will be submitted to Accutest Laboratories for the following analyses (expedited, 24-hr turn-around-time):

- volatile organic compounds (VOCs) — Method SW846 8260B
- semi-volatile organic compounds (SVOCs) — Method SW846 8270C
- total RCRA metals —Method SW846 6010B
- polychlorinated biphenyls (PCBs) — Method SW846 8082

Following receipt of preliminary data, soils will be either reused onsite or disposed of offsite in accordance with the general soil management options described in Section 1.2.

5.0 BMPS AND ENGINEERING CONTROLS

In addition to meeting the requirements of Carrier's *BMP Annual Update, 2010*, and the TOD-approved SWPPP, the following specific BMPs will be implemented during the storm water pond construction.

- Prevent visible dust during excavation, transportation, and placement operations. Implement BMP dust control measures, such as spraying soil with water, during excavation or grading operations.

- Exercise caution to prevent soil spillage outside the construction area.

- Install temporary signs and/or security fence to surround and secure areas where potentially contaminated soil may pose an Imminent Hazard to human health.

- Avoid temporary stockpiling of potentially contaminated soils. Take the following precautions when stockpiling, as necessary:

    — Identify long-term stockpile locations. They should be in areas away from construction activities and on material that prevents the contaminants from coming in contact with the surface soil.

    — Install hay bales and/or silt fences around the stockpile to prevent runoff from leaving the area.

    — Cover the stockpile with plastic to prevent the elements from dispersing potential contaminants.

    — Do not stockpile in or near storm drains or watercourses.

- Protect gutters, storm drains, catch basins, and other drainage system features on the site with hay bales and/or silt fences during construction. Drainage system features should be cleaned following the completion of work if silt has accumulated in them.

- Stabilize exposed areas of potentially contaminated soil and prevent run-off.

- Prevent new leaks and spills and notify appropriate regulatory agencies if they occur.

Appendix A
Accutest Laboratory Data Sheets

Sample Summary

United Technology Corporation

Job No: JA75627

ENSTNN: Carrier, Syracuse, NY, Ponds
Project No: Pond 3 PO#11650

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JA75627-1	05/11/11	13:50	BH	05/12/11	SO	Soil	POND3B10(2-5D)
*	JA75627-2	05/11/11	14:00	BH	05/12/11	SO	Soil	POND3B10(5-9W)
*	JA75627-3	05/11/11	14:20	BH	05/12/11	SO	Soil	POND3B12(2-5D)
*	JA75627-4	05/11/11	14:35	BH	05/12/11	SO	Soil	POND3B12(5-9W)
*	JA75627-5	05/11/11	14:55	BH	05/12/11	SO	Soil	POND3B11(2-5D)
*	JA75627-6	05/11/11	15:05	BH	05/12/11	SO	Soil	POND3B11(5-9W)
*	JA75627-13	05/11/11	17:00	BH	05/12/11	AQ	Trip Blank Soil	TRIP BLANK

* The following report applies to these samples only (1 day TAT).

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	POND3B10(2-5D)		
Lab Sample ID:	JA75627-1	**Date Sampled:**	05/11/11
Matrix:	SO - Soil	**Date Received:**	05/12/11
Method:	SW846 8260B	**Percent Solids:**	83.1
Project:	ENSTNN: Carrier, Syracuse, NY, Ponds		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G138479.D	1	05/12/11	SJM	n/a	n/a	VG6508
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	20.8	13	3.0	ug/kg	
71-43-2	Benzene	ND	1.3	0.46	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	0.34	ug/kg	
75-25-2	Bromoform	ND	6.7	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.7	0.54	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.7	0.41	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.7	0.74	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	0.45	ug/kg	
75-00-3	Chloroethane	ND	6.7	1.3	ug/kg	
67-66-3	Chloroform	ND	6.7	0.43	ug/kg	
74-87-3	Chloromethane	ND	6.7	0.22	ug/kg	
110-82-7	Cyclohexane	ND	6.7	0.20	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	0.72	ug/kg	
124-48-1	Dibromochloromethane	ND	6.7	0.15	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.18	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.7	0.36	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.7	0.37	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.7	0.45	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.7	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	1.1	6.7	0.18	ug/kg	J
107-06-2	1,2-Dichloroethane	ND	1.3	0.46	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.7	0.89	ug/kg	
156-59-2	cis-1,2-Dichloroethene	8.2	6.7	0.32	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.7	0.60	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.7	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	0.13	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.50	ug/kg	
76-13-1	Freon 113	ND	6.7	0.75	ug/kg	
591-78-6	2-Hexanone	ND	6.7	1.3	ug/kg	
98-82-8	Isopropylbenzene	ND	6.7	0.69	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	POND3B10(2-5D)		
Lab Sample ID:	JA75627-1	**Date Sampled:**	05/11/11
Matrix:	SO - Soil	**Date Received:**	05/12/11
Method:	SW846 8260B	**Percent Solids:**	83.1
Project:	ENSTNN: Carrier, Syracuse, NY, Ponds		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.7	1.1	ug/kg	
108-87-2	Methylcyclohexane	ND	6.7	0.87	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.38	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.7	1.1	ug/kg	
75-09-2	Methylene chloride	ND	6.7	0.30	ug/kg	
100-42-5	Styrene	ND	6.7	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	0.39	ug/kg	
127-18-4	Tetrachloroethene	ND	6.7	0.19	ug/kg	
108-88-3	Toluene	ND	1.3	0.39	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.7	0.46	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	0.17	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.7	0.25	ug/kg	
79-01-6	Trichloroethene	4.6	6.7	0.70	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	6.7	0.31	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	0.24	ug/kg	
1330-20-7	Xylene (total)	ND	2.7	0.63	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		67-131%
17060-07-0	1,2-Dichloroethane-D4	92%		66-130%
2037-26-5	Toluene-D8	104%		76-125%
460-00-4	4-Bromofluorobenzene	103%		53-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	POND3B10(5-9W)		
Lab Sample ID:	JA75627-2	**Date Sampled:**	05/11/11
Matrix:	SO - Soil	**Date Received:**	05/12/11
Method:	SW846 8260B	**Percent Solids:**	79.3
Project:	ENSTNN: Carrier, Syracuse, NY, Ponds		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G138482.D	1	05/12/11	SJM	n/a	n/a	VG6508
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	14	3.1	ug/kg	
71-43-2	Benzene	ND	1.4	0.48	ug/kg	
75-27-4	Bromodichloromethane	ND	7.0	0.36	ug/kg	
75-25-2	Bromoform	ND	7.0	0.21	ug/kg	
74-83-9	Bromomethane	ND	7.0	0.57	ug/kg	
78-93-3	2-Butanone (MEK)	ND	14	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	7.0	0.43	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.0	0.78	ug/kg	
108-90-7	Chlorobenzene	ND	7.0	0.47	ug/kg	
75-00-3	Chloroethane	ND	7.0	1.4	ug/kg	
67-66-3	Chloroform	ND	7.0	0.45	ug/kg	
74-87-3	Chloromethane	ND	7.0	0.23	ug/kg	
110-82-7	Cyclohexane	ND	7.0	0.21	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	14	0.76	ug/kg	
124-48-1	Dibromochloromethane	ND	7.0	0.15	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.4	0.19	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	7.0	0.38	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	7.0	0.39	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	7.0	0.47	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.0	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	7.6	7.0	0.19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.48	ug/kg	
75-35-4	1,1-Dichloroethene	7.2	7.0	0.93	ug/kg	
156-59-2	cis-1,2-Dichloroethene	32.1	7.0	0.33	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7.0	0.63	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.0	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.0	0.19	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.0	0.13	ug/kg	
100-41-4	Ethylbenzene	ND	1.4	0.52	ug/kg	
76-13-1	Freon 113	ND	7.0	0.79	ug/kg	
591-78-6	2-Hexanone	ND	7.0	1.3	ug/kg	
98-82-8	Isopropylbenzene	ND	7.0	0.73	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	POND3B10(5-9W)		
Lab Sample ID:	JA75627-2	**Date Sampled:**	05/11/11
Matrix:	SO - Soil	**Date Received:**	05/12/11
Method:	SW846 8260B	**Percent Solids:**	79.3
Project:	ENSTNN: Carrier, Syracuse, NY, Ponds		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	7.0	1.2	ug/kg	
108-87-2	Methylcyclohexane	ND	7.0	0.92	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.0	1.1	ug/kg	
75-09-2	Methylene chloride	ND	7.0	0.31	ug/kg	
100-42-5	Styrene	ND	7.0	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.0	0.41	ug/kg	
127-18-4	Tetrachloroethene	ND	7.0	0.20	ug/kg	
108-88-3	Toluene	ND	1.4	0.41	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.0	0.48	ug/kg	
71-55-6	1,1,1-Trichloroethane	0.83	7.0	0.18	ug/kg	J
79-00-5	1,1,2-Trichloroethane	ND	7.0	0.26	ug/kg	
79-01-6	Trichloroethene	24.9	7.0	0.74	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.0	0.32	ug/kg	
75-01-4	Vinyl chloride	ND	7.0	0.25	ug/kg	
1330-20-7	Xylene (total)	ND	2.8	0.66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		67-131%
17060-07-0	1,2-Dichloroethane-D4	99%		66-130%
2037-26-5	Toluene-D8	104%		76-125%
460-00-4	4-Bromofluorobenzene	102%		53-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	POND3B12(2-5D)		
Lab Sample ID:	JA75627-3	**Date Sampled:**	05/11/11
Matrix:	SO - Soil	**Date Received:**	05/12/11
Method:	SW846 8260B	**Percent Solids:**	86.0
Project:	ENSTNN: Carrier, Syracuse, NY, Ponds		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G138483.D	1	05/12/11	SJM	n/a	n/a	VG6508
Run #2							

	Initial Weight
Run #1	4.4 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.9	ug/kg	
71-43-2	Benzene	ND	1.3	0.45	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	0.34	ug/kg	
75-25-2	Bromoform	ND	6.6	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.6	0.53	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.6	0.40	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.6	0.73	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	0.45	ug/kg	
75-00-3	Chloroethane	ND	6.6	1.3	ug/kg	
67-66-3	Chloroform	ND	6.6	0.42	ug/kg	
74-87-3	Chloromethane	ND	6.6	0.22	ug/kg	
110-82-7	Cyclohexane	ND	6.6	0.20	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	0.71	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	0.15	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.18	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.6	0.36	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.6	0.36	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.6	0.45	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.6	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	1.5	6.6	0.18	ug/kg	J
107-06-2	1,2-Dichloroethane	ND	1.3	0.46	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.6	0.87	ug/kg	
156-59-2	cis-1,2-Dichloroethene	4.2	6.6	0.32	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	6.6	0.59	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	0.13	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.49	ug/kg	
76-13-1	Freon 113	ND	6.6	0.74	ug/kg	
591-78-6	2-Hexanone	ND	6.6	1.3	ug/kg	
98-82-8	Isopropylbenzene	ND	6.6	0.68	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	POND3B12(2-5D)		
Lab Sample ID:	JA75627-3	**Date Sampled:**	05/11/11
Matrix:	SO - Soil	**Date Received:**	05/12/11
Method:	SW846 8260B	**Percent Solids:**	86.0
Project:	ENSTNN: Carrier, Syracuse, NY, Ponds		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.6	1.1	ug/kg	
108-87-2	Methylcyclohexane	ND	6.6	0.86	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.37	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.6	1.1	ug/kg	
75-09-2	Methylene chloride	ND	6.6	0.29	ug/kg	
100-42-5	Styrene	ND	6.6	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	0.39	ug/kg	
127-18-4	Tetrachloroethene	ND	6.6	0.19	ug/kg	
108-88-3	Toluene	ND	1.3	0.39	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.6	0.46	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	0.17	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.6	0.24	ug/kg	
79-01-6	Trichloroethene	1.6	6.6	0.70	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	6.6	0.30	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	0.24	ug/kg	
1330-20-7	Xylene (total)	ND	2.6	0.62	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		67-131%
17060-07-0	1,2-Dichloroethane-D4	98%		66-130%
2037-26-5	Toluene-D8	104%		76-125%
460-00-4	4-Bromofluorobenzene	102%		53-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	POND3B12(5-9W)		
Lab Sample ID:	JA75627-4	**Date Sampled:**	05/11/11
Matrix:	SO - Soil	**Date Received:**	05/12/11
Method:	SW846 8260B	**Percent Solids:**	83.9
Project:	ENSTNN: Carrier, Syracuse, NY, Ponds		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y111651.D	1	05/13/11	JLI	n/a	n/a	VY4778
Run #2	Y111650.D	1	05/13/11	JLI	n/a	n/a	VY4778

	Initial Weight
Run #1	5.4 g
Run #2	1.4 g

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	11.2	11	2.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.38	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	0.28	ug/kg	
75-25-2	Bromoform	ND	5.5	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.5	0.45	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
75-15-0	Carbon disulfide	1.1	5.5	0.34	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.5	0.61	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	0.37	ug/kg	
75-00-3	Chloroethane	ND	5.5	1.1	ug/kg	
67-66-3	Chloroform	ND	5.5	0.35	ug/kg	
74-87-3	Chloromethane	ND	5.5	0.18	ug/kg	
110-82-7	Cyclohexane	ND	5.5	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.60	ug/kg	
124-48-1	Dibromochloromethane	ND	5.5	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.5	0.30	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.5	0.30	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.5	0.37	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	84.3	5.5	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.38	ug/kg	
75-35-4	1,1-Dichloroethene	53.9	5.5	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	530 [a]	21	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	1.6	5.5	0.50	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.5	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.41	ug/kg	
76-13-1	Freon 113	ND	5.5	0.62	ug/kg	
591-78-6	2-Hexanone	ND	5.5	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	0.57	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	POND3B12(5-9W)		
Lab Sample ID:	JA75627-4	**Date Sampled:**	05/11/11
Matrix:	SO - Soil	**Date Received:**	05/12/11
Method:	SW846 8260B	**Percent Solids:**	83.9
Project:	ENSTNN: Carrier, Syracuse, NY, Ponds		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.5	0.91	ug/kg	
108-87-2	Methylcyclohexane	ND	5.5	0.72	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.31	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.5	0.90	ug/kg	
75-09-2	Methylene chloride	ND	5.5	0.25	ug/kg	
100-42-5	Styrene	ND	5.5	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	0.32	ug/kg	
127-18-4	Tetrachloroethene	0.53	5.5	0.16	ug/kg	J
108-88-3	Toluene	0.75	1.1	0.32	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	0.38	ug/kg	
71-55-6	1,1,1-Trichloroethane	105 [a]	21	0.54	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	0.20	ug/kg	
79-01-6	Trichloroethene	757 [a]	21	2.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	0.25	ug/kg	
75-01-4	Vinyl chloride	21.8	5.5	0.20	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.52	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	100%	67-131%
17060-07-0	1,2-Dichloroethane-D4	97%	98%	66-130%
2037-26-5	Toluene-D8	105%	107%	76-125%
460-00-4	4-Bromofluorobenzene	100%	99%	53-142%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	POND3B11(2-5D)		
Lab Sample ID:	JA75627-5	**Date Sampled:**	05/11/11
Matrix:	SO - Soil	**Date Received:**	05/12/11
Method:	SW846 8260B	**Percent Solids:**	84.1
Project:	ENSTNN: Carrier, Syracuse, NY, Ponds		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y111649.D	1	05/13/11	JLI	n/a	n/a	VY4778
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.9	ug/kg	
71-43-2	Benzene	ND	1.3	0.45	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	0.34	ug/kg	
75-25-2	Bromoform	ND	6.6	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.6	0.53	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.6	0.40	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.6	0.73	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	0.45	ug/kg	
75-00-3	Chloroethane	ND	6.6	1.3	ug/kg	
67-66-3	Chloroform	ND	6.6	0.42	ug/kg	
74-87-3	Chloromethane	ND	6.6	0.22	ug/kg	
110-82-7	Cyclohexane	ND	6.6	0.20	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	0.71	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	0.15	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.18	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.6	0.36	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.6	0.36	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.6	0.45	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.6	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.46	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.6	0.87	ug/kg	
156-59-2	cis-1,2-Dichloroethene	0.75	6.6	0.32	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	6.6	0.59	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	0.13	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.49	ug/kg	
76-13-1	Freon 113	ND	6.6	0.74	ug/kg	
591-78-6	2-Hexanone	ND	6.6	1.3	ug/kg	
98-82-8	Isopropylbenzene	ND	6.6	0.68	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	POND3B11(2-5D)		
Lab Sample ID:	JA75627-5	**Date Sampled:**	05/11/11
Matrix:	SO - Soil	**Date Received:**	05/12/11
Method:	SW846 8260B	**Percent Solids:**	84.1
Project:	ENSTNN: Carrier, Syracuse, NY, Ponds		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.6	1.1	ug/kg	
108-87-2	Methylcyclohexane	ND	6.6	0.86	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.37	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.6	1.1	ug/kg	
75-09-2	Methylene chloride	ND	6.6	0.29	ug/kg	
100-42-5	Styrene	ND	6.6	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	0.39	ug/kg	
127-18-4	Tetrachloroethene	ND	6.6	0.19	ug/kg	
108-88-3	Toluene	ND	1.3	0.39	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.6	0.46	ug/kg	
71-55-6	1,1,1-Trichloroethane	0.44	6.6	0.17	ug/kg	J
79-00-5	1,1,2-Trichloroethane	ND	6.6	0.24	ug/kg	
79-01-6	Trichloroethene	8.5	6.6	0.69	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.6	0.30	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	0.24	ug/kg	
1330-20-7	Xylene (total)	ND	2.6	0.62	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		67-131%
17060-07-0	1,2-Dichloroethane-D4	95%		66-130%
2037-26-5	Toluene-D8	109%		76-125%
460-00-4	4-Bromofluorobenzene	102%		53-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: POND3B11(5-9W)
Lab Sample ID: JA75627-6
Matrix: SO - Soil
Method: SW846 8260B
Project: ENSTNN: Carrier, Syracuse, NY, Ponds

Date Sampled: 05/11/11
Date Received: 05/12/11
Percent Solids: 81.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y111648.D	1	05/13/11	JLI	n/a	n/a	VY4778
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.8	ug/kg	
71-43-2	Benzene	ND	1.3	0.43	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	0.32	ug/kg	
75-25-2	Bromoform	ND	6.3	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.3	0.51	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	0.38	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	0.70	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	0.43	ug/kg	
75-00-3	Chloroethane	ND	6.3	1.3	ug/kg	
67-66-3	Chloroform	ND	6.3	0.40	ug/kg	
74-87-3	Chloromethane	ND	6.3	0.21	ug/kg	
110-82-7	Cyclohexane	ND	6.3	0.19	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	0.68	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	0.14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.3	0.34	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.3	0.35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.3	0.42	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	2.8	6.3	0.17	ug/kg	J
107-06-2	1,2-Dichloroethane	ND	1.3	0.43	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.3	0.83	ug/kg	
156-59-2	cis-1,2-Dichloroethene	1.1	6.3	0.30	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	6.3	0.57	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.47	ug/kg	
76-13-1	Freon 113	ND	6.3	0.71	ug/kg	
591-78-6	2-Hexanone	ND	6.3	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	0.65	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	POND3B11(5-9W)		
Lab Sample ID:	JA75627-6	**Date Sampled:**	05/11/11
Matrix:	SO - Soil	**Date Received:**	05/12/11
Method:	SW846 8260B	**Percent Solids:**	81.0
Project:	ENSTNN: Carrier, Syracuse, NY, Ponds		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	6.3	1.0	ug/kg	
108-87-2	Methylcyclohexane	ND	6.3	0.82	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.36	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.3	1.0	ug/kg	
75-09-2	Methylene chloride	ND	6.3	0.28	ug/kg	
100-42-5	Styrene	ND	6.3	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	0.37	ug/kg	
127-18-4	Tetrachloroethene	ND	6.3	0.18	ug/kg	
108-88-3	Toluene	ND	1.3	0.37	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	0.43	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.3	0.66	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	0.29	ug/kg	
75-01-4	Vinyl chloride	4.1	6.3	0.22	ug/kg	J
1330-20-7	Xylene (total)	ND	2.5	0.59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		67-131%
17060-07-0	1,2-Dichloroethane-D4	96%		66-130%
2037-26-5	Toluene-D8	110%		76-125%
460-00-4	4-Bromofluorobenzene	105%		53-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JA75627-13	**Date Sampled:**	05/11/11
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/12/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY, Ponds		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B70264.D	1	05/12/11	TLR	n/a	n/a	V3B3276
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
110-82-7	Cyclohexane	ND	5.0	1.9	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.39	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.26	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.92	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.57	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JA75627-13	**Date Sampled:**	05/11/11
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/12/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY, Ponds		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.35	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.56	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.54	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		77-120%
17060-07-0	1,2-Dichloroethane-D4	116%		70-127%
2037-26-5	Toluene-D8	115%		79-120%
460-00-4	4-Bromofluorobenzene	106%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SO ØTB 7955-3819 9417 JA75627

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD		COC No. BCH051111	Page 1 of 2
ENSAFE EnSafe Inc. 800-588-7962	Project Name: UTC-Syracuse, NY Pond 3	PO No. 11650	Project No. 88880526 Phase PH03 Task Default
	Site Location: Syracuse, NY		Lab Name Accutest, Ann Arbor, MI
	Sampler/Site Phone# 615-830-8079		

Sampler: Brian Ham

Send Results To: Tina Cantwell, May Heflin Email: tcantwell@ensafe.com mheflin@ensafe.com

Data Shipping Address: 220 Athens Way Ste 410, Nashville, TN 37228

Sample Analysis Requested (Fill in the number of containers for each test) <--Preservative Type **(3)**

Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs (8260B)		Remarks
POND3B10(2-5D)	Pond3B10	5/11/11	1350	SO	N	N	2	X	-1	1963
POND3B10(5-9W)	Pond3B10	5/11/11	1400	SO	N	N	2	X	-2	2081
POND3B12(2-5D)	Pond3B12	5/11/11	1420	SO	N	N	2	X	-3	0/0 110
POND3B12(5-9W)	Pond3B12	5/11/11	1435	SO	N	N	2	X	-4	
POND3B11(2-5D)	Pond3B11	5/11/11	1455	SO	N	N	2	X	-5	
POND3B11(5-9W)	Pond3B11	5/11/11	1505	SO	N	N	2	X	-6	
POND3B13(3-5.5D)	Pond3B13	5/11/11	1530	SO	N	N	2	X	-7	Hold
POND3B14(3-7D)	Pond3B14	5/11/11	1545	SO	N	N	2	X	-8	Hold
POND3B14(7-9W)	Pond3B14	5/11/11	1600	SO	N	N	2	X	-9	Hold
POND3B15(2.5-5.5D)	Pond3B15	5/11/11	1630	SO	N	N	2	X	-10	Hold
POND3B15(5.5-9W)	Pond3B15	5/11/11	1640	SO	N	N	2	X	-11	Hold

Turnaround Time(specify): **Final** ____ days **Email** (if applicable) 1 days Email Results(check): Yes ✓ No____ Deliverable (check): Level 2 ✓ Level 3____ Level 4____ TX TRRP-13____

***Field* Comments:** 24 hour TAT - Hold those marked hold in remarks

***Lab* Comments:**

Sample Shipment and Delivery Details
Number of coolers in shipment:
Samples Iced?(check) Yes ✓ No____
Method of Shipment:
Airbill No:
Date Shipped:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	[signature]	5/11/11	1803	[signature]	5/11/11	18:03
2	[signature]	5/11/11	19:00	FED EX		
3	FED EX			FED EX [signature]	5-12-11	930

(1) Matrix Code: AA=Air, AQ=Air Quality Control Matrix, DC=Drill Cuttings, GS=Soil Gas, LD=Drilling Fluid, LF=Free Product, LH=Liquid Waste, OI=Oil, SB=Bentonite, SC=Cement, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid Quality Control Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, TQ=Tissue Quality Control Matrix, U=Unknown, WA=Aqueous Drill Cuttings, WE=Estuary, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water Quality Control Matrix, WS=Surface Water, WW=Waste Water

(2) Sample Type: AB=Ambient Blank, EB=Equipment Blank, FB=Field Blank, FD=Field Duplicate Sample, FR=Field Replicate, MB=Material Blank, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank

(3) Preservative added: HA=Hydrochloric Acid, NI=Nitric Acid, SH=Sodium Hydroxide, SA=Sulfuric Acid, AA=Ascorbic Acid, HX=Hexane, ME=Methanol, SB=sodium bisulfate, ST=Sodium Thiosulfate, If **NO preservative** added leave blank

3.2 °C IR

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Page 1 of 3

JA75627

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. BCH 051111 | Page 2 of 2

ENSAFE | EnSafe Inc. 800-588-7962

Project Name: UTC - Syracuse, NY Pond 3 | PO No. 11650 | Project No. 08588105.26 Phase PH03 Task Def.

Site Location: Syracuse, NY | Lab Name Accutest

Sampler/Site Phone# 615-830-8079 | **Sample Analysis Requested** (Fill in the number of containers for each test)

Sampler: Brian Ham

Send Results To: Tina Cantwell, May Heflin Email: tcantwell@ensafe.com mheflin@ensafe.com

Data Shipping Address: 220 Athens Way Ste 410, Nashville, TN 37228

Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs (8260B)										<--Preservative Type (3)	Remarks
POND3B16(6-9W)	Pond3B16	5/11/11	1700	SO	N	N	2	X	-	12									Hold
Trip Blank	—	—	—	WQ	TB	N	2	X	-	13									

Turnaround Time(specify): **Final** _____ days **Email** (if applicable) _____ days | Email Results(check): Yes ✓ No____ | Deliverable (check): Level 2 ✓ Level 3____ Level 4____ TX TRRP-13____

***Field* Comments:** 24 hour on all except hold those marked "hold" in remarks

***Lab* Comments:**

Sample Shipment and Delivery Details

Number of coolers in shipment:

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	5/11/11	1803	1	5/11/11	1803
2	5/11/11	19:00	2 FED EX		
3	FED EX		3	5-12-11	930

Samples Iced?(check) Yes_____ No_____

Method of Shipment:

Airbill No:

Date Shipped:

(1) Matrix Code: **AA**=Air, **AQ**=Air Quality Control Matrix, **DC**=Drill Cuttings, **GS**=Soil Gas, **LD**=Drilling Fluid, **LF**=Free Product, **LH**=Liquid Waste, **Oil**=Oil, **SB**=Bentonite, **SC**=Cement, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid Quality Control Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **TQ**=Tissue Quality Control Matrix, **U**=Unknown, **WA**=Aqueous Drill Cuttings, **WE**=Estuary, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water Quality Control Matrix, **WS**=Surface Water, **WW**=Waste Water

(2) Sample Type: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

(3) Preservative added: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev. 06/05

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA75627 **Client:**

Date / Time Received: 5/12/2011 **Project:**

No. Coolers: 1 **Airbill #'s:** **Delivery Method:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

Appendix B
Data Summary Tables for Ponds #1, #2, and #3

Table 1 — Pond #1 Soil Data
Carrier Corporation, Syracuse, New York

Method	Analyte	Units	NYSDEC Unrestricted SCO	NYSDEC GW Protection SCO	NYSDEC Industrial SCO	POND1B1 POND1B1(1-4D) 3/15/2011 Soil	POND1B1 POND1B1(4-7W) 3/15/2011 Soil	POND1B2 POND1B2(1-4D) 3/15/2011 Soil	POND1B2 POND1B2(4-7W) 3/15/2011 Soil	POND1B3 POND1B3(1-4D) 3/15/2011 Soil	POND1B4 POND1B4(2-5D) 3/15/2011 Soil	POND1B4 POND1B4(5-7W) 3/15/2011 Soil
Solids	Solids	mg/kg				82.8	80.4	81	81.7	79.6	81.5	80.1
Metals	Arsenic	mg/kg	13	16	16	6	5.9	4	6.8	7.2	4.4	6
Metals	Barium	mg/kg	350	820	10000	79.8	87.3	90.1	125	102	74.8	91.3
Metals	Chromium (hexavalent or trivalent)	mg/kg	1 or 30	19 or NS	800 or 6800	17.2	15.2	18.8	20.7	25.1	20.1	16.9
Metals	Lead	mg/kg	63	450	3900	8.3	8.4	11	9.1	12.9	8.8	8.3
Metals	Mercury	mg/kg	0.18	0.73	5.7	-	-	0.051	-	-	-	-
DRO	Hydrocarbons C10-C28	mg/kg	—	—	—	-	-	15.2	-	-	77.7	201
PCBs	Aroclor 1254	mg/kg	0.1	3.2	25	-	-	-	-	-	0.109	0.112
VOCs	2-Butanone (MEK)	mg/kg	0.12	0.12	1000	-	-	0.0311	-	-	-	-
VOCs	Acetone	mg/kg	0.05	0.05	1000	-	-	0.169	0.016	-	-	-
VOCs	Methyl acetate	mg/kg	—	—	—	-	0.0049 J	0.0084	0.006 J	0.0069 J	-	-
SVOCs	Benzo(a)anthracene	mg/kg	1	1	11	-	-	0.0377	-	-	-	-
SVOCs	Benzo(a)pyrene	mg/kg	1	22	1.1	-	-	0.0375	-	-	-	-
SVOCs	Benzo(b)fluoranthene	mg/kg	1	1.7	11	-	-	0.0286 J	-	-	-	-
SVOCs	Benzo(g,h,i)perylene	mg/kg	100	1000	1000	-	-	0.0261 J	-	-	-	-
SVOCs	Benzo(k)fluoranthene	mg/kg	0.8	1.7	110	-	-	0.0412	-	-	-	-
SVOCs	bis(2-Ethylhexyl)phthalate	mg/kg	—	—	—	-	-	0.428	-	-	-	-
SVOCs	Chrysene	mg/kg	1	1	110	-	-	0.0431	-	-	-	-
SVOCs	Dimethylphthalate	mg/kg	—	—	—	0.0408 J	-	0.101	-	-	-	-
SVOCs	Fluoranthene	mg/kg	100	1000	1000	-	-	0.0924	-	-	-	-
SVOCs	Indeno(1,2,3-cd)pyrene	mg/kg	0.5	8.2	11	-	-	0.022 J	-	-	-	-
SVOCs	Phenanthrene	mg/kg	100	1000	1000	-	-	0.0531	-	-	-	-
SVOCs	Pyrene	mg/kg	100	1000	1000	-	-	0.0683	-	-	-	-

= Not Specified

— SCO not listed in 6 NYCRR Part 375, Table 375-6.8
— NS = not specified

Table 2 — Pond #2 Soil Data
Carrier Corporation, Syracuse, New York

		Sample Location:					POND2B1	POND2B1	POND2B2	POND2B2	POND2B3	POND2B4	POND2B5	POND2B6
		Sample ID:					POND2B1(3-7D)	POND2B1(7-10W)	POND2B2(3-6D)	POND2B2(6-10W)	POND2B3(3-7D)	POND2B4(2-6D)	POND2B5(3-6D)	POND2B6(1-6D)
		Sample Date:		NYSDEC	NYSDEC	NYSDEC	3/16/2011	3/16/2011	3/16/2011	3/16/2011	3/16/2011	3/16/2011	3/16/2011	3/16/2011
		Matrix:		Unrestricted	GW Protection	Industrial	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Method	**CAS No.**	**Analyte**	**Units**	**SCO**	**SCO**	**SCO**								
Solids	9999000-58-8	Solids	mg/kg				82.1	79.6	83.4	77.8	82.1	80.5	80.5	80.6
Metals	7440-38-2	Arsenic	mg/kg	13	16	16	6	4.2	6.6	4	4	7.9	4.2	4.2
Metals	7440-39-3	Barium	mg/kg	350	820	10000	84.4	47.6	80.8	126	40.3	93.2	94.8	116
Metals	7440-47-3	Chromium (hexavalent or tri	mg/kg	1 or 30	19 or NS	800 or 6800	19.3	10.5	24.3	21.5	14.9	18.8	18.3	20.5
Metals	7439-92-1	Lead	mg/kg	63	450	3900	8.8	6	10.4	7.5	5.4	8.3	7	8.7
VOCs	67-64-1	Acetone	mg/kg	0.05	0.05	1000	-	-	-	-	-	0.0036 J	-	-
VOCs	156-59-2	cis-1,2-Dichloroethene	mg/kg	0.25	0.25	1000	0.00047 J	0.001 J	-	-	0.0011 J	-	-	-
VOCs	127-18-4	Tetrachloroethene	mg/kg	1.3	1.3	300	-	-	-	-	0.0011 J	-	-	-
VOCs	156-60-5	trans-1,2-Dichloroethene	mg/kg	0.19	0.19	1000	-	-	-	-	0.0015 J	-	-	-
VOCs	79-01-6	Trichloroethene	mg/kg	0.47	0.47	400	0.008	0.0073	-	0.0014 J	0.0294	-	0.003 J	-
SVOCs	117-81-7	bis(2-Ethylhexyl)phthalate	mg/kg	—	—	—	-	-	0.0434 J	-	-	-	-	-
SVOCs	131-11-3	Dimethylphthalate	mg/kg	—	—	—	0.0432 J	-	0.0797	0.0759	0.0611 J	0.049 J	-	0.0394 J

— SCO not listed in 6 NYCRR Part 375, Table 375-6.8
— NS = not specified

Table 3 — Pond 3 Soil Data
Carrier Corporation, Syracuse, New York

Method	CAS No.	Analyte	Sample Location: / Sample ID: / Sample Date: / Matrix: / Units	NYSDEC Unrestricted SCO	NYSDEC Protection of GW	NYSDEC Industrial SCO	POND3B1 POND3B1(1-5D) 3/15/2011 Soil	POND3B1 POND3B1(5-9W) 3/15/2011 Soil	POND3B2 POND3B2(4-7D)A 3/15/2011 Soil	POND3B2 POND3B2(6-9W) 3/15/2011 Soil	POND3B2 POND3B2(7-10W)A 3/15/2011 Soil	POND3B3 POND3B3(4-6D) 3/15/2011 Soil	POND3B3 POND3B3(6-9W) 3/15/2011 Soil	POND3B4 POND3B4(4-7D) 3/15/2011 Soil	POND3B4 POND3B4(7-10D) 3/15/2011 Soil	POND3B5 POND3B5(3-6D) 3/15/2011 Soil	POND3B5 POND3B5(6-9W) 3/15/2011 Soil
Solids	9999000-58-8	Solids	mg/kg				83.5	78.3	82.7	81.8	80.8	78.6	83.3	84.9	69.4	81.2	79.8
Metals	7440-38-2	Arsenic	mg/kg	13	16	16	5.4	4.5	5.1	5.1	6	6.5	3.3	4.5	4.9	3.5	4.1
Metals	7440-39-3	Barium	mg/kg	350	820	10000	86.9	95.1	69.6	50.7	90.6	127	48.6	73.3	87	94.8	79.2
Metals	7440-47-3	Chromium (hexavalent or trivalent)	mg/kg	1 or 30	19 or NS	800 or 6800	15	15.3	14.7	15.7	16.5	29.7	13.5	17	20.4	16.3	17.9
Metals	7439-92-1	Lead	mg/kg	63	450	3900	6.9	8.2	7.9	8.8	7.9	13.2	7.4	12.9	14.3	10.2	9.7
Metals	7439-97-6	Mercury	mg/kg	0.18	0.73	5.7	-	-	0.037	-	-	-	-	0.035	0.056	0.087	-
DRO	9999000-36-2	Hydrocarbons C10-C28	mg/kg	—	—	—	-	-	32.1	248	132	-	-	15.6	32.9	-	-
PCBs	11097-69-1	Aroclor 1254	mg/kg	0.1	3.2	25	-	-	0.132	4.95	0.241	-	-	-	-	-	-
PCBs	11096-82-5	Aroclor 1260	mg/kg	0.1	3.2	25	-	-	-	-	0.0619	-	-	-	-	-	-
VOCs	71-55-6	1,1,1-Trichloroethane	mg/kg	0.68	0.68	1000	-	-	-	-	-	-	-	-	-	-	-
VOCs	75-34-3	1,1-Dichloroethane	mg/kg	0.27	0.27	480	0.0064	0.0091	0.0024 J	-	0.0072	0.0077	0.0276	-	0.147	0.0109	0.0025 J
VOCs	75-35-4	1,1-Dichloroethene	mg/kg	0.33	0.33	1000	-	-	-	-	0.0013 J	0.0015 J	0.0085 J	-	-	-	-
VOCs	78-93-3	2-Butanone (MEK)	mg/kg	0.12	0.12	1000	-	-	0.0071 J	-	0.0061 J	-	-	-	0.0559	-	-
VOCs	67-64-1	Acetone	mg/kg	0.05	0.05	1000	0.0232	-	0.0352	0.0236	0.0206	-	-	0.0246	0.285	-	0.0778
VOCs	75-15-0	Carbon disulfide	mg/kg	—	—	—	-	-	-	-	0.00077 J	-	-	-	-	-	0.00043 J
VOCs	75-00-3	Chloroethane	mg/kg	—	—	—	-	-	-	-	0.0021 J	-	-	-	-	-	0.0174
VOCs	156-59-2	cis-1,2-Dichloroethene	mg/kg	0.25	0.25	1000	0.0029 J	-	0.0127	0.0161	0.0469	0.0376	0.104	-	-	0.0036 J	-
VOCs	110-82-7	Cyclohexane	mg/kg	—	—	—	-	-	-	-	-	-	-	-	-	-	0.00044 J
VOCs	100-41-4	Ethylbenzene	mg/kg	1	1	780	-	-	-	-	-	-	-	-	-	-	0.0239
VOCs	98-82-8	Isopropylbenzene	mg/kg	—	—	—	-	-	-	-	-	-	-	-	-	-	0.00069 J
VOCs	79-20-9	Methyl acetate	mg/kg	—	—	—	0.0088	0.0065	-	-	-	-	-	-	-	0.0079	-
VOCs	127-18-4	Tetrachloroethene	mg/kg	1.3	1.3	300	-	-	-	-	-	-	-	-	-	-	-
VOCs	108-88-3	Toluene	mg/kg	0.7	0.7	1000	-	-	-	0.00041 J	0.00051 J	-	-	-	0.0016	-	0.0016
VOCs	156-60-5	trans-1,2-Dichloroethene	mg/kg	0.19	0.19	1000	-	-	-	-	0.002 J	0.0041 J	0.0012 J	-	0.0021 J	-	-
VOCs	79-01-6	Trichloroethene	mg/kg	0.47	0.47	400	0.0038 J	-	-	0.015	0.0169	0.0286	0.338	-	-	-	-
VOCs	75-01-4	Vinyl chloride	mg/kg	0.02	0.02	27	0.00042 J	0.0327	-	-	0.0172	0.0027 J	0.0045 J	-	-	0.0039 J	0.00029 J
VOCs	1330-20-7	Xylene (Total)	mg/kg	0.26	1.6	1000	-	-	-	-	0.0022 J	-	-	-	0.00077 J	-	0.159
SVOCs	91-57-6	2-Methylnaphthalene	mg/kg	—	—	—	-	-	-	-	-	-	-	-	0.0556 J	-	-
SVOCs	9999900-32-2	3-Methylphenol/4-Methylphenol	mg/kg	—	—	—	-	-	-	-	-	-	-	-	0.921	-	-
SVOCs	83-32-9	Acenaphthene	mg/kg	20	98	1000	-	-	-	-	-	-	-	-	0.164	-	-
SVOCs	120-12-7	Anthracene	mg/kg	100	107	1000	-	-	0.0205 J	-	-	-	-	-	0.354	-	-
SVOCs	56-55-3	Benzo(a)anthracene	mg/kg	1	1	11	-	-	0.0307 J	0.0177 J	-	-	-	0.0206 J	0.437	-	-
SVOCs	50-32-8	Benzo(a)pyrene	mg/kg	1	22	1.1	-	-	0.0198 J	0.0167 J	-	-	-	0.0151 J	0.333	-	-
SVOCs	205-99-2	Benzo(b)fluoranthene	mg/kg	1	1.7	11	-	-	0.0233 J	0.0212 J	-	-	-	-	0.254	-	-
SVOCs	191-24-2	Benzo(g,h,i)perylene	mg/kg	100	1000	1000	-	-	-	0.0187 J	-	-	-	-	0.147	-	-
SVOCs	207-08-9	Benzo(k)fluoranthene	mg/kg	0.8	1.7	110	-	-	0.0166 J	0.0167 J	-	-	-	-	0.276	-	-
SVOCs	92-52-4	Biphenyl	mg/kg	—	—	—	-	-	-	-	-	-	-	-	0.0173 J	-	-
SVOCs	117-81-7	bis(2-Ethylhexyl)phthalate	mg/kg	—	—	—	-	-	-	0.226	0.0626 J	-	-	-	-	-	-
SVOCs	86-74-8	Carbazole	mg/kg	—	—	—	-	-	0.0229 J	-	-	-	-	-	0.154	-	-
SVOCs	218-01-9	Chrysene	mg/kg	1	1	110	-	-	0.0307 J	0.0231 J	-	-	-	0.0187 J	0.347	-	-
SVOCs	53-70-3	Dibenz(a,h)anthracene	mg/kg	0.33	1000	1.1	-	-	-	-	-	-	-	-	0.0782	-	-
SVOCs	132-64-9	Dibenzofuran	mg/kg	7	210	1000	-	-	-	-	-	-	-	-	0.104	-	-
SVOCs	131-11-3	Dimethylphthalate	mg/kg	—	—	—	-	-	-	-	-	0.0551 J	-	0.0408 J	0.0442 J	-	0.0632 J
SVOCs	206-44-0	Fluoranthene	mg/kg	100	1000	1000	-	-	0.119	0.0385	-	-	-	0.0433	0.847	0.0231 J	0.0243 J
SVOCs	86-73-7	Fluorene	mg/kg	30	386	1000	-	-	0.0139 J	-	-	-	-	-	0.179	-	-
SVOCs	193-39-5	Indeno(1,2,3-cd)pyrene	mg/kg	0.5	8.2	11	-	-	-	0.0141 J	-	-	-	-	0.158	-	-
SVOCs	91-20-3	Naphthalene	mg/kg	12	12	1000	-	-	0.18	-	0.021 J	-	-	-	0.11	-	0.0177 J
SVOCs	85-01-8	Phenanthrene	mg/kg	100	1000	1000	-	-	0.104	-	0.0214 J	-	-	0.0334	0.903	-	0.0413
SVOCs	108-95-2	Phenol	mg/kg	0.33	0.33	1000	-	-	0.0726	-	-	-	-	-	-	-	-
SVOCs	129-00-0	Pyrene	mg/kg	100	1000	1000	-	-	0.0821	0.034 J	-	-	-	0.0322 J	0.618	0.0188 J	0.0179 J

— SCO not listed in 6 NYCRR Part 375, Table 375-6.8
— NS = not specified

Table 3 — Pond 3 Soil Data
Carrier Corporation, Syracuse, New York

Method	CAS No.	Analyte	Sample Location: / Sample ID: / Sample Date: / Matrix: / Units	NYSDEC Unrestricted SCO	NYSDEC Protection of GW	NYSDEC Industrial SCO	POND3B6 POND3B6(3-6D) 3/15/2011 Soil	POND3B6 POND3B6(6-9W) 3/15/2011 Soil	POND3B7 POND3B7(1-5D) 3/16/2011 Soil	POND3B7 POND3B7(5-9W) 3/16/2011 Soil	POND3B8 POND3B8(1-5D) 3/16/2011 Soil	POND3B8 POND3B8(5-9W) 3/16/2011 Soil	POND3B9 POND3B9(2-5D) 3/16/2011 Soil	POND3B9 POND3B9(5-9W) 3/16/2011 Soil	POND3B10 POND3B10(2-5D) 5/11/2011 Soil	POND3B10 POND3B10(5-9W) 5/11/2011 Soil	POND3B11 POND3B11(2-5D) 5/11/2011 Soil
Solids	9999000-58-8	Solids	mg/kg				84.5	80.3	75.4	76	76.3	75.5	84.9	78	83.1	79.3	84.1
Metals	7440-38-2	Arsenic	mg/kg	13	16	16	5.2	4	7.2	5	4.2	5.2	5.4	8.5	-	-	-
Metals	7440-39-3	Barium	mg/kg	350	820	10000	99.6	108	111	94.9	107	120	80.3	87.5	-	-	-
Metals	7440-47-3	Chromium (hexavalent or trivalent)	mg/kg	1 or 30	19 or NS	800 or 6800	15.3	17.5	30.6	23.6	24.2	21.4	20.4	22.3	-	-	-
Metals	7439-92-1	Lead	mg/kg	63	450	3900	8.7	8.8	14	10.3	9.6	8.8	9.8	10.4	-	-	-
Metals	7439-97-6	Mercury	mg/kg	0.18	0.73	5.7	-	-	0.041	-	-	-	-	-	-	-	-
DRO	9999000-36-2	Hydrocarbons C10-C28	mg/kg	—	—	—	127	18	88	-	72.7	243	-	25.5	-	-	-
PCBs	11097-69-1	Aroclor 1254	mg/kg	0.1	3.2	25	-	-	0.131	-	1.4	2.39	-	-	-	-	-
PCBs	11096-82-5	Aroclor 1260	mg/kg	0.1	3.2	25	-	-	-	-	-	-	-	-	-	-	-
VOCs	71-55-6	1,1,1-Trichloroethane	mg/kg	0.68	0.68	1000	-	-	-	-	-	-	-	0.00065 J	-	0.00083 J	0.00044 J
VOCs	75-34-3	1,1-Dichloroethane	mg/kg	0.27	0.27	480	0.00033 J	-	0.0028 J	0.0029 J	0.00041 J	0.0036 J	-	0.0425	0.0011 J	0.0076	-
VOCs	75-35-4	1,1-Dichloroethene	mg/kg	0.33	0.33	1000	-	-	-	-	-	0.0038 J	-	0.0264	-	0.0072	-
VOCs	78-93-3	2-Butanone (MEK)	mg/kg	0.12	0.12	1000	-	-	-	-	-	-	-	-	0.0208	-	-
VOCs	67-64-1	Acetone	mg/kg	0.05	0.05	1000	0.058	0.0493	0.0108 J	-	0.0068 J	0.0214	0.0032 J	0.0106 J	-	-	-
VOCs	75-15-0	Carbon disulfide	mg/kg	—	—	—	0.00047 J	-	-	-	-	0.0043 J	-	0.0012 J	-	-	-
VOCs	75-00-3	Chloroethane	mg/kg	—	—	—	-	0.003 J	-	-	-	-	-	-	-	-	-
VOCs	156-59-2	cis-1,2-Dichloroethene	mg/kg	0.25	0.25	1000	-	-	0.0201	0.017	0.0302	0.308	0.0063 J	0.595	0.0082	0.0321	0.00075 J
VOCs	110-82-7	Cyclohexane	mg/kg	—	—	—	-	-	-	-	-	-	-	-	-	-	-
VOCs	100-41-4	Ethylbenzene	mg/kg	1	1	780	-	-	-	-	-	-	-	-	-	-	-
VOCs	98-82-8	Isopropylbenzene	mg/kg	—	—	—	-	-	-	-	-	0.0026 J	-	-	-	-	-
VOCs	79-20-9	Methyl acetate	mg/kg	—	—	—	-	-	-	-	-	-	-	-	-	-	-
VOCs	127-18-4	Tetrachloroethene	mg/kg	1.3	1.3	300	-	-	-	-	0.0086	0.0019 J	-	0.0089	-	-	-
VOCs	108-88-3	Toluene	mg/kg	0.7	0.7	1000	-	-	-	-	-	-	-	-	-	-	-
VOCs	156-60-5	trans-1,2-Dichloroethene	mg/kg	0.19	0.19	1000	-	-	-	-	-	0.0031 J	-	0.0069 J	-	-	-
VOCs	79-01-6	Trichloroethene	mg/kg	0.47	0.47	400	-	-	0.0136	0.0432	0.566	0.207	-	33.6	0.0046 J	0.0249	0.0085
VOCs	75-01-4	Vinyl chloride	mg/kg	0.02	0.02	27	-	-	-	-	-	0.0189	-	0.0261	-	-	-
VOCs	1330-20-7	Xylene (Total)	mg/kg	0.26	1.6	1000	-	0.0013 J	-	-	-	-	-	-	-	-	-
SVOCs	91-57-6	2-Methylnaphthalene	mg/kg	—	—	—	-	-	-	-	-	-	-	-	-	-	-
SVOCs	9999900-32-2	3-Methylphenol/4-Methylphenol	mg/kg	—	—	—	-	-	-	-	-	-	-	-	-	-	-
SVOCs	83-32-9	Acenaphthene	mg/kg	20	98	1000	0.388	0.0331 J	-	-	-	-	-	-	-	-	-
SVOCs	120-12-7	Anthracene	mg/kg	100	107	1000	0.656	0.0828	-	-	-	-	-	-	-	-	-
SVOCs	56-55-3	Benzo(a)anthracene	mg/kg	1	1	11	1.75	0.179	-	-	-	-	-	-	-	-	-
SVOCs	50-32-8	Benzo(a)pyrene	mg/kg	1	22	1.1	1.86	0.144	-	-	-	-	-	-	-	-	-
SVOCs	205-99-2	Benzo(b)fluoranthene	mg/kg	1	1.7	11	2.18	0.119	-	-	-	-	-	-	-	-	-
SVOCs	191-24-2	Benzo(g,h,i)perylene	mg/kg	100	1000	1000	1.17	0.0784	-	-	-	-	-	-	-	-	-
SVOCs	207-08-9	Benzo(k)fluoranthene	mg/kg	0.8	1.7	110	0.959	0.13	-	-	-	-	-	-	-	-	-
SVOCs	92-52-4	Biphenyl	mg/kg	—	—	—	-	-	-	-	-	-	-	-	-	-	-
SVOCs	117-81-7	bis(2-Ethylhexyl)phthalate	mg/kg	—	—	—	0.228	0.0437 J	-	-	-	0.0515 J	-	-	-	-	-
SVOCs	86-74-8	Carbazole	mg/kg	—	—	—	0.195	0.0339 J	-	-	-	-	-	-	-	-	-
SVOCs	218-01-9	Chrysene	mg/kg	1	1	110	1.85	0.15	-	-	-	-	-	-	-	-	-
SVOCs	53-70-3	Dibenz(a,h)anthracene	mg/kg	0.33	1000	1.1	0.464	0.0361	-	-	-	-	-	-	-	-	-
SVOCs	132-64-9	Dibenzofuran	mg/kg	7	210	1000	0.235	-	-	-	-	-	-	-	-	-	-
SVOCs	131-11-3	Dimethylphthalate	mg/kg	—	—	—	-	0.042 J	0.0405 J	-	-	0.0535 J	0.0433 J	-	-	-	-
SVOCs	206-44-0	Fluoranthene	mg/kg	100	1000	1000	6.28	0.385	-	-	-	-	-	-	-	-	-
SVOCs	86-73-7	Fluorene	mg/kg	30	386	1000	0.474	0.0305 J	-	-	-	-	-	-	-	-	-
SVOCs	193-39-5	Indeno(1,2,3-cd)pyrene	mg/kg	0.5	8.2	11	1.06	0.0789	-	-	-	-	-	-	-	-	-
SVOCs	91-20-3	Naphthalene	mg/kg	12	12	1000	0.0155 J	-	-	-	-	-	-	-	-	-	-
SVOCs	85-01-8	Phenanthrene	mg/kg	100	1000	1000	3.82	0.255	-	-	-	-	-	-	-	-	-
SVOCs	108-95-2	Phenol	mg/kg	0.33	0.33	1000	-	-	-	-	-	-	-	-	-	-	-
SVOCs	129-00-0	Pyrene	mg/kg	100	1000	1000	4.48	0.286	-	-	-	-	-	-	-	-	-

— SCO not listed in 6 NYCRR Part 375, Table 375-6.8
— NS = not specified

Table 3 — Pond 3 Soil Data
Carrier Corporation, Syracuse, New York

Method	CAS No.	Analyte	Sample Location: / Sample ID: / Sample Date: / Matrix: / Units	NYSDEC Unrestricted SCO	NYSDEC Protection of GW	NYSDEC Industrial SCO	POND3B11 POND3B11(5-9W) 5/11/2011 Soil	POND3B12 POND3B11(2-5D) 5/11/2011 Soil	POND3B12 POND3B11(5-9W) 5/11/2011 Soil
Solids	9999000-58-8	Solids	mg/kg				81	86	83.9
Metals	7440-38-2	Arsenic	mg/kg	13	16	16	-	-	-
Metals	7440-39-3	Barium	mg/kg	350	820	10000	-	-	-
Metals	7440-47-3	Chromium (hexavalent or trivalent)	mg/kg	1 or 30	19 or NS	800 or 6800	-	-	-
Metals	7439-92-1	Lead	mg/kg	63	450	3900	-	-	-
Metals	7439-97-6	Mercury	mg/kg	0.18	0.73	5.7	-	-	-
DRO	9999000-36-2	Hydrocarbons C10-C28	mg/kg	—	—	—	-	-	-
PCBs	11097-69-1	Aroclor 1254	mg/kg	0.1	3.2	25	-	-	-
PCBs	11096-82-5	Aroclor 1260	mg/kg	0.1	3.2	25	-	-	-
VOCs	71-55-6	1,1,1-Trichloroethane	mg/kg	0.68	0.68	1000			0.105
VOCs	75-34-3	1,1-Dichloroethane	mg/kg	0.27	0.27	480	0.0028 J	0.0015 J	0.0843
VOCs	75-35-4	1,1-Dichloroethene	mg/kg	0.33	0.33	1000	-	-	0.0539
VOCs	78-93-3	2-Butanone (MEK)	mg/kg	0.12	0.12	1000	-	-	-
VOCs	67-64-1	Acetone	mg/kg	0.05	0.05	1000	-	-	0.0112
VOCs	75-15-0	Carbon disulfide	mg/kg	—	—	—	-	-	0.0011 J
VOCs	75-00-3	Chloroethane	mg/kg	—	—	—	-	-	-
VOCs	156-59-2	cis-1,2-Dichloroethene	mg/kg	0.25	0.25	1000	0.0011 J	0.0042 J	0.53
VOCs	110-82-7	Cyclohexane	mg/kg	—	—	—	-	-	-
VOCs	100-41-4	Ethylbenzene	mg/kg	1	1	780	-	-	-
VOCs	98-82-8	Isopropylbenzene	mg/kg	—	—	—	-	-	-
VOCs	79-20-9	Methyl acetate	mg/kg	—	—	—	-	-	-
VOCs	127-18-4	Tetrachloroethene	mg/kg	1.3	1.3	300	-	-	0.00053 J
VOCs	108-88-3	Toluene	mg/kg	0.7	0.7	1000	-	-	0.00075 J
VOCs	156-60-5	trans-1,2-Dichloroethene	mg/kg	0.19	0.19	1000	-	-	0.0016 J
VOCs	79-01-6	Trichloroethene	mg/kg	0.47	0.47	400	-	0.0016 J	0.757
VOCs	75-01-4	Vinyl chloride	mg/kg	0.02	0.02	27	0.0041 J	-	0.0218
VOCs	1330-20-7	Xylene (Total)	mg/kg	0.26	1.6	1000	-	-	-
SVOCs	91-57-6	2-Methylnaphthalene	mg/kg	—	—	—	-	-	-
SVOCs	9999900-32-2	3-Methylphenol/4-Methylphenol	mg/kg	—	—	—	-	-	-
SVOCs	83-32-9	Acenaphthene	mg/kg	20	98	1000	-	-	-
SVOCs	120-12-7	Anthracene	mg/kg	100	107	1000	-	-	-
SVOCs	56-55-3	Benzo(a)anthracene	mg/kg	1	1	11	-	-	-
SVOCs	50-32-8	Benzo(a)pyrene	mg/kg	1	22	1.1	-	-	-
SVOCs	205-99-2	Benzo(b)fluoranthene	mg/kg	1	1.7	11	-	-	-
SVOCs	191-24-2	Benzo(g,h,i)perylene	mg/kg	100	1000	1000	-	-	-
SVOCs	207-08-9	Benzo(k)fluoranthene	mg/kg	0.8	1.7	110	-	-	-
SVOCs	92-52-4	Biphenyl	mg/kg	—	—	—	-	-	-
SVOCs	117-81-7	bis(2-Ethylhexyl)phthalate	mg/kg	—	—	—	-	-	-
SVOCs	86-74-8	Carbazole	mg/kg	—	—	—	-	-	-
SVOCs	218-01-9	Chrysene	mg/kg	1	1	110	-	-	-
SVOCs	53-70-3	Dibenz(a,h)anthracene	mg/kg	0.33	1000	1.1	-	-	-
SVOCs	132-64-9	Dibenzofuran	mg/kg	7	210	1000	-	-	-
SVOCs	131-11-3	Dimethylphthalate	mg/kg	—	—	—	-	-	-
SVOCs	206-44-0	Fluoranthene	mg/kg	100	1000	1000	-	-	-
SVOCs	86-73-7	Fluorene	mg/kg	30	386	1000	-	-	-
SVOCs	193-39-5	Indeno(1,2,3-cd)pyrene	mg/kg	0.5	8.2	11	-	-	-
SVOCs	91-20-3	Naphthalene	mg/kg	12	12	1000	-	-	-
SVOCs	85-01-8	Phenanthrene	mg/kg	100	1000	1000	-	-	-
SVOCs	108-95-2	Phenol	mg/kg	0.33	0.33	1000	-	-	-
SVOCs	129-00-0	Pyrene	mg/kg	100	1000	1000	-	-	-

— SCO not listed in 6 NYCRR Part 375, Table 375-6.8
— NS = not specified

Appendix C
Pond #3 Southeast Corner Soil Investigation Work Plan