Dave

APEX

August 27, 2013

WATER PROTECTION AND LAND REUSE
REMEDIATION DIVISION
SEP 24 2013
SITE NAME CL&P Operations Center
ADDRESS 176 Cumberland Ave
TOWN Wethersfield
FILE TYPE REM

Mr. David Lansey
Wethersfield, LLC
c/o ABC Properties/Fisher Associates
152 W 57th Street, 12th Floor
New York, NY 10019

RE: Soil Excavation
Former CL&P Operations Center
176 Cumberland Avenue
Wethersfield, Connecticut

Dear Mr. Lansey:

Apex Companies, LLC (Apex) has prepared the following letter report regarding the results of excavation to address soils impacted with Extractable Total Petroleum Hydrocarbons (ETPH) located at the Former Connecticut Light and Power (CL&P) Operations Center at 176 Cumberland Avenue, Wethersfield, Connecticut, herein referred to as the "Site."

Apex was contracted to evaluate potential remedial alternatives for the site. A Remedial Action Plan (RAP) was prepared and submitted to the Connecticut Department of Energy and Environmental Protection (CTDEEP) in April 2013. The RAP presented a review of remediation alternatives and a determination that the most applicable and cost-effective technologies were excavation and off-site disposal for impacted soil, and monitored natural attenuation for impacted groundwater.

The Site was initially developed in the mid-1950s by CL&P (a subsidiary of Northeast Utilities) primarily for use as a call/data center. Additional uses consisted of a vehicle maintenance garage and equipment warehousing. The Site is currently vacant but will be re-developed for an educational use in the near future. The redevelopment plan for this location involves the preservation of certain portions of the on-site structure and substantial demolition of other portions of the site building.

The subject property is located in a mixed commercial and residential area of Wethersfield, Connecticut. The site is bordered to the north, east, and south primarily by residential properties. It is bordered to the northeast by office buildings, to the northwest by the Wilbur Cross Highway, and the area is primarily undeveloped to the west. The geographic location of the Site and its immediate surroundings are included on **Figure 1**.

According to the CTDEEP Water Quality Classification Map of Connecticut, the groundwater beneath the site is classified as GA, defined as suitable for drinking without treatment. A Site Map depicting pertinent site features, including the excavation limits, is included as **Figure 2**.

True Blue Environmental (TrueBlue) of Wallingford, Connecticut was retained to excavate and dispose of soils located in the loading dock area on the western side of the site building in the vicinity of monitoring well AP-11. Excavation activities were conducted on July 17, 2013 by TrueBlue and overseen by an Apex environmental scientist. The final excavation measured ten feet by ten feet centered on AP-11, and extended twelve feet below grade (fbg). Based upon soil analytical data collected from the soil boring for AP-11, and field screening conducted during excavation activities, the top six feet of the excavated soils were segregated for reuse as backfill while the bottom six feet were removed for disposal. A total of 69.75 tons of impacted soil was shipped to Ted Ondrick Company in Chicopee, Massachusetts on July 22, 2013 for use in asphalt batching. Copies of Material Shipping and Record Logs are included as **Attachment 1**.

Confirmatory samples were collected by Apex personnel from 8-10 fbg on all four sidewalls and from the bottom of the excavation. The samples were submitted to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts and analyzed for ETPH. The results of the laboratory analytical data indicate that there were no detections of ETPH above minimum laboratory detection limits in any of the post-excavation samples. Following receipt of the sampling results, the excavation was backfilled to grade with clean fill. A copy of the Con-Test laboratory analytical report is included as **Attachment 2**.

Based on the laboratory results, excavation of the impacted area was successful and remediation of the site soils has now been completed.

Please contact this office if you have any questions regarding the sampling or results discussed above.

Sincerely,

APEX COMPANIES, LLC

Jeffrey M. Pelczar
Environmental Scientist

APEC COMPANIES, LLC

David A. Melycher, LEP
Project Director

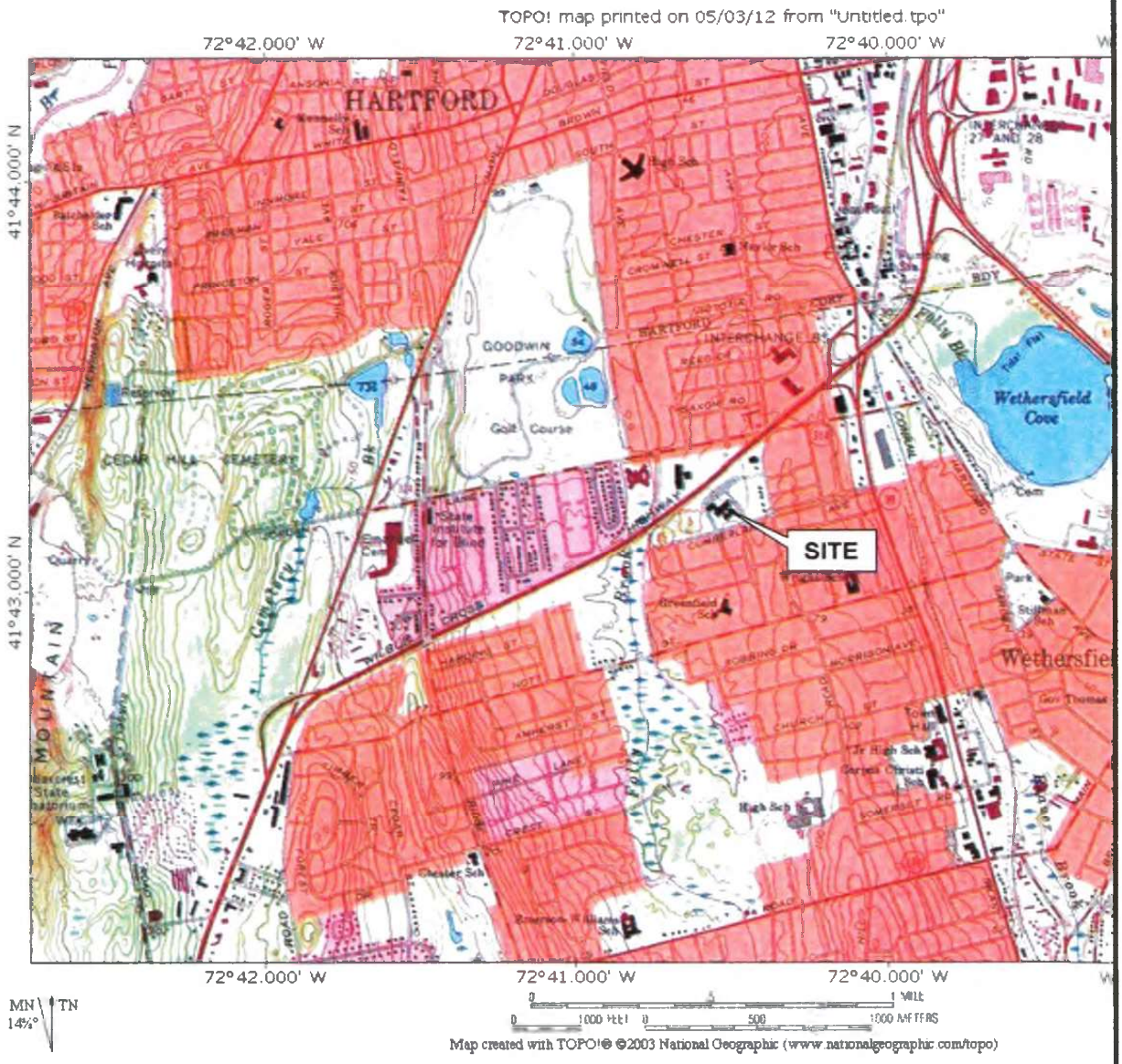
Attachments

cc: Mr. Paul Boison, NUSCO
Mr. Robert Saunders, CREC
Mr. David Ringquist, CTDEEP

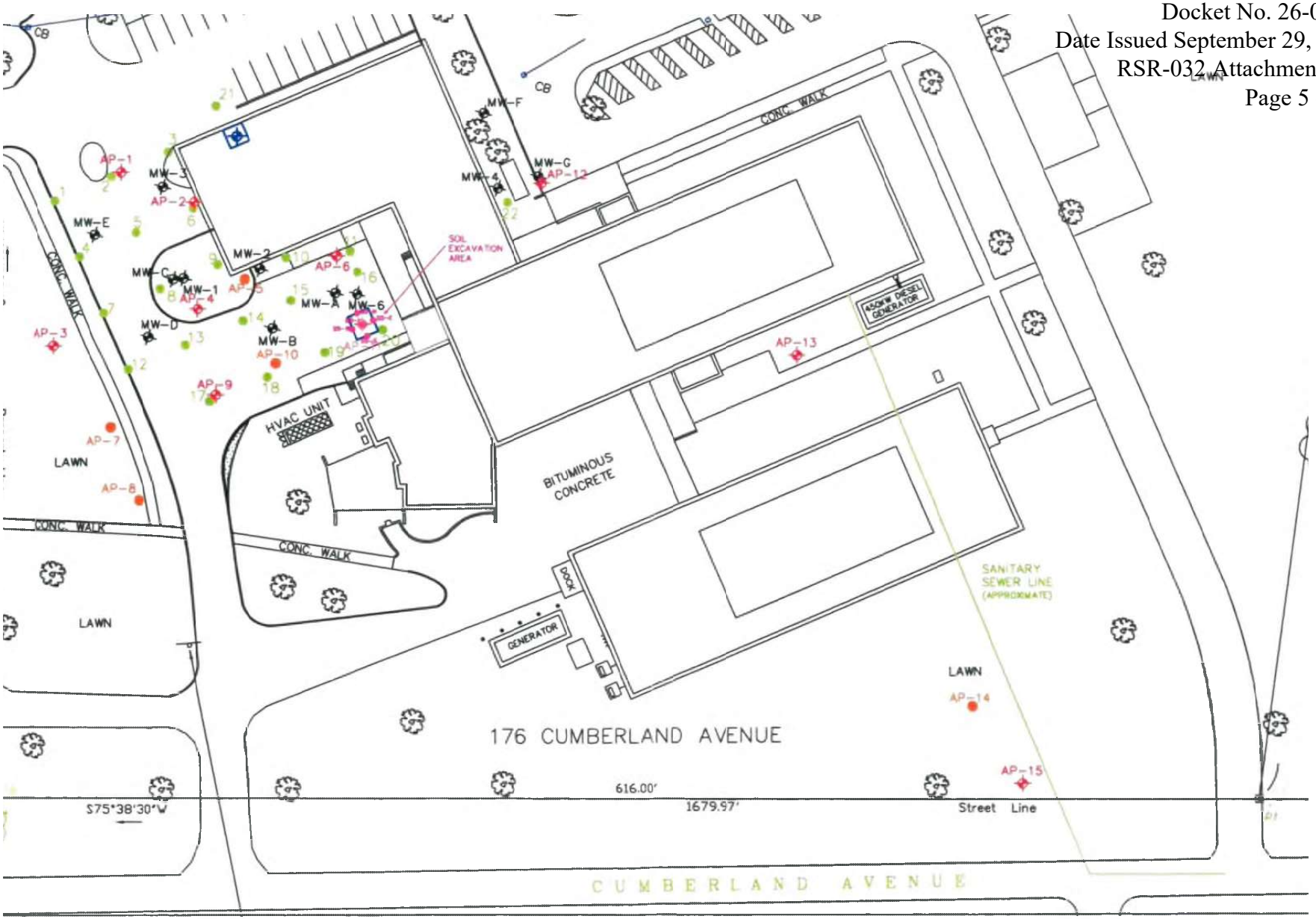
FIGURES

Figure 1
Site Location Map

176 Cumberland Avenue
Wethersfield, Connecticut



58H Connecticut Avenue South Windsor, Connecticut Telephone: (860) 282-1700	United States Department of the Interior Geological Survey 7.5 Minute Series Topographic Map Contour Interval: 20 feet Scale: 1 inch = 2,000 feet Wethersfield, Connecticut, 2003	Project: Sensitive Receptor Survey Apex Job #: 6058-001 Date: May 2012	



MAP REFERENCE:
NORTHEAST UTILITIES SERVICE CO. FOR THE CONNECTICUT LIGHT AND POWER COMPANY, BERLIN, CONNECTICUT "PLAN SHOWING WETHERSFIELD OFFICE BUILDING, 176 CUMBERLAND AVENUE, WETHERSFIELD,

0 15 60 120

APEX

ATTACHMENT 1

MATERIAL SHIPPING & RECORD LOGS

TED ONDRICK COMPANY LLC
58 Industry Road
Chicopee, MA 01020
Tel: 413-592-2566
Fax: 413-592-7451

PREQUALIFICATION INFORMATION
PETROLEUM CONTAMINATED SOILS (PCS)

The following information shall accompany all requests/submittals concerning the transport and recycling of PCS, as governed by DEP policies in order for the facility to confirm that the PCS meets its acceptance criteria:

I. GENERATOR INFORMATION

Name: Northeast Utilities Service Company Contact: Paul Boison

Street: P.O. Box 270 Phone: (860) 665-3127

City/Town: Hartford State/Zip: CT 06141-0270

II. SITE INFORMATION

Name: NU - Wethersfield Contact: Paul Boison

Street: 176 Cumberland Avenue Phone: (860) 665-3127

City/Town: Wethersfield State/Zip: CT 06109-1625

III. ENVIRONMENTAL CONSULTANT'S PERTINENT INFORMATION

Name: Apex Companies, LLC Contact: David Melycher

Street: 58H Connecticut Avenue Phone: (860) 282-1700

City/Town: South Windsor State/Zip: CT 06074

IV. ESTIMATED VOLUME OF PCS: _____ Tons 250 Cubic Yards

V. BILLING INFORMATION

Name: True Blue Environmental Contact: Jeff James

Street: 5 Northfield Road Phone: (203) 269-3355

City/Town: Wallingford State/Zip: CT 06492

Purchase Order # NU Wethersfield

VI. DESCRIPTION OF THE PCS:

__X__Sand _____ Gravel _____ Fill __X__ Clay _____ Other

Physical description of the PCS – In addition please indicate the presence of any construction debris, veg. matter, ash, etc.

_____

_____

_____

Specify type of contamination:

_____Gasoline _____Diesel _____#2 _____#4 _____#6

_____Lub. Oil _____Waste Oil _____Jet Fuel _____Kerosene

__X__Other:__TPH (oil)__

VII. SITE HISTORY:

Please include at a minimum the following information:

Current & Former usage of site, description of release (known dates, source), sampling method used (grab, composite, etc.), analytical parameters selected and any other pertinent information.

** Sufficient information must be provided in the Site History to justify the limiting of the analytical requirements necessary for recycling.**

VIII. Please forward a diagram which includes the following information:

At least one street reference, any adjacent structures, excavation area, stockpile location, location where samples were taken from, name of individual preparing diagram, reference the site name and location and any other pertinent information.

IX. GENERATOR / LSP / QEP STATEMENTS:

a. I, the generator/LSP/QEP, using due diligence have determined that there is no reason to Suspect or believe the PCS has been impacted by any release of oil or hazardous materials other than that of the known source or I have identified the additional oil and hazardous materials that are suspected or known to be present in the PCS, in addition to those associated with the known release including any anthropogenetic contaminates.

b. I, the generator/LSP/QEP, realize that due diligence shall consist of a search of information and records reasonably available to the generator of the PCS sufficient to make the determination. Such records and information may include, but are not limited to, those of the generator, location of the generation (Facility if not the generator) the Department Bureau of Waste Site Cleanup, and the municipality (Board of Health, Fire Department) within which the site is located.

c. I, the generator/LSP/QEP, have included sufficient information justifying the limiting of the analytical requirements as part of the Site History Information accompanying the 21E Bill of Lading and Material Shipping Record. This includes at a minimum the following:

i. Analytical Parameters Selected
ii. Screening Data (i.e.: Total date for TCLP, Headspace)
iii. Laboratory Analytical Data
iv. Description of the Release
v. Physical description of the soil including the classification method used.
vi. Description of the site location with regards to former and current usage.
vii. Complete Site History.
viii. Site Diagram

Generator (Print or Type Name) : Northeast Utilities Service Company

Generator Signature: Paul J Burton, as agent for NUSCO Date: 7/22/13

LSP/QEP (Print or Type Name) : David A. Melycher

LSP/QEP Signature: D A Melycher Date: 7.22.13

ORIGINAL BILL OF LADING OR MATERIAL SHIPPING RECORD MUST BE AT THE FACILITIES OFFICE BEFORE THE SOIL IS SHIPPED.

✓ ACCEPTED _____ REFUSED

Facility Representative

Reasons for Acceptance/Refusal: _____

84205

13-7-134 7001

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Tracking Number

A. Location Information

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.

1. Provide the following information on the location where the waste was generated:

Release name (optional)

176 Cumberland Ave.
Street

Location aid

Wethersfield
City/Town

CT
State

06109
Zip code

2. Date/Period of generation: 07/13 From 07/13 To

3. U.S. EPA ID number: NA

4. 21E release: ☐ Yes ☒ No

5. List additional tracking documents associated with this document:

B. Generator Information

Important: This form is not to be used for the shipment of remediation wastes subject to management under section 310 CMR 40.0035 of the Massachusetts Contingency Plan nor is it to be used in lieu of a hazardous waste manifest for hazardous waste or recyclable materials subject to the Massachusetts Hazardous Waste Regulations 310 CMR 30.000.

1. Provide the following generator information:

Northeast Utilities Service Company
Name of organization

Paul Boison
Contact name

Project Manager
Title

P.O. Box 270
Street address

Hartford
City/Town

CT
State

06141-0270
Zip code

(860) 665-3127
Telephone number(including extension)

C. Owner and/or Operator Information

1. If the owner and/or operator is different from the generator as indicated in Section B, provide the following information:

Check applicable: ☐ owner ☐ operator

Name of organization

Contact name

Title

Street address

City/Town

State

Zip code

Telephone number

Ext.

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Tracking Number

D. Transporter/Common Carrier Information

1. Provide the following information:

True Blue Environmental Services
Transporter/Common carrier name

N/A — Hazardous waste license number (if applicable)
CT — Licensing state (if applicable)

Jeff James — Contact person
President — Title

5 Northfield Road
Street

Wallingford — City/Town
CT — State
06492 — Zip code

203-269-3355 — Telephone number
Ext.

E. Receiving Facility Information

1. Provide the following information on the receiving facility:

Ted Ondrick Company LLC
Operator/Facility name

Alan Desrosiers — Contact person
Supervisor — Title

58 Industry Road
Street

Chicopee — City/Town
MA — State
01020 — Zip code

413-592-2566 — Telephone number
Ext.

2. Type of facility:

- ☒ asphalt batch/cold mix
- ☐ asphalt batch/hot mix
- ☐ landfill/disposal
- ☐ landfill/ daily cover
- ☐ thermal processing
- ☐ landfill/structural fill
- ☐ other(specify): _____

3. Permit number: WR-96-07

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Tracking Number

F. Description of Material

Check all that apply:

1. a. ☒ soil ☐ dredge material ☐ fill

   b. Description: Silty sand/clay

   c. Classification: ☐ MIT ☐ USDA ☐ USAEC ☐ ASEE

2. ☐ Other(describe):

3. Type of contamination:

   a. ☐ gasoline ☐ diesel fuel ☒ #2 oil ☐ #4 oil
   ☐ #6 oil ☐ waste oil ☐ kerosene ☐ jet fuel

   b. ☐ Debris:
   ☐ demolition ☐ vegetative ☐ inorganic

   c. ☐ Other(describe):

4. Constituents of concern (check all that apply):

   ☐ As ☐ HVOCs
   ☐ Cd ☐ PATH
   ☐ Cr ☐ VOCs
   ☐ Pb ☐ PAHs
   ☐ Hg ☐ BNAs
   ☐ Na ☒ TPH
   ☐ PCBs ☐ Other(describe):

5. Analyses performed (check all that apply):

   ☒ As ☐ PATH
   ☒ Cd ☒ VOCs
   ☒ Cr ☒ PAHs
   ☒ Pb ☐ BNAs
   ☒ Hg ☒ TPH
   ☐ Na ☐ TCLP (inorganic)
   ☒ PCBs ☐ TCLP (organic)
   ☒ HVOCs ☒ Other(describe): Ignitablity, Flashpoint, pH

6. Screening performed:

   VOCs
   Type
   PID
   Instrument used

   Constituents

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Tracking Number

F. Description of Material (cont.)

7. Estimated volume of materials:

150 Cubic yards | Tons | Other(specify units)

8. Contaminant source (check one):

- ☐ transportation accident
- ☒ ust (presumed)
- ☐ other(describe):

9. Indicate which waste characterization support documentation is attached:

- ☒ site history information
- ☒ sampling and analytical methods/procedure
- ☒ laboratory data
- ☐ field screening data

If supporting documentation is not appended, provide an attachment stating the date and in connection with what document such information was previously submitted to the facility.

G. Qualified Environmental Professional Opinion

"I have personally examined and am familiar with the information contained on and submitted with this form. Based on this information, it is my opinion that the testing and assessment actions undertaken were adequate to characterize the waste, and that the facility or location can accept wastes with the characteristics described in this submittal. I am aware that significant penalties including, but not limited to, possible fines and imprisonment may result if I willfully submit information which I know to be false, inaccurate, or materially incomplete."

Apex Companies, LLC
Name of organization

David A. Melycher
Name of professional

Program Manager
Title

(860) 282-1700 | 13
Telephone number | Ext.

Signature

11/23/09
Date

MA LSP (9068), CT LEP (504)
License number

Seal:



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Tracking Number

H. Certification of Generator

"I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information contained herein is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information."

Signature: [signature], as agent for NUSCO

Date: 7/22/13

Name(print): PAUL J. Boisvert

I. Acknowledgment of Receipt by Receiving Facility

Ted Ondrick Company LLC
Receiving facility

Alan Desrosiers
Representative (print)

Supervisor
Title

[signature]
Signature

8/23/13
Date

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

13-2-134206T
Tracking Number

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Note: Make additional copies of this page as necessary.

J Load Information

LOAD #: 1
Signature of transporter
SMH
Receiving facility
07-26-13
Date received
9:07AM
Time received
07-26-13
Date of shipment
7:40AM
Time of shipment
51591-A
Truck/Tractor registration
Trailer registration
24.95 ton
Load size (cubic yards/tons)

LOAD #: 2
Signature of transporter
SMH
Receiving facility
07-26-13
Date received
11:22AM
Time received
07-26-13
Date of shipment
10:00AM
Time of shipment
51591-A
Truck/Tractor registration
Trailer registration
25.84 ton
Load size (cubic yards/tons)

LOAD #: 3
Signature of transporter
SMH
Receiving facility
07-26-13
Date received
12:30PM
Time received
07-26-13
Date of shipment
11:00AM
Time of shipment
44115-A
Truck/Tractor registration
Trailer registration
18.96 ton
Load size (cubic yards/tons)

LOAD #:
Signature of transporter
Receiving facility
Date received
Time received
Date of shipment
Time of shipment
Truck/Tractor registration
Trailer registration
ton
Load size (cubic yards/tons)

K Log Sheet Volume Information

69.75 ton
Total volume this page (cubic yards/tons)
0 ton
Total carried forward (cubic yards/tons)
69.75 ton
Total carried forward and this page (cubic yards/tons)

Page 1 of

ATTACHMENT 2

LABORATORY ANALYTICAL REPORT

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

July 18, 2013

Paul Boison
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: 176 Cumberland Highway, Wethersfield, CT
Client Job Number:
Project Number: 5783-012
Laboratory Work Order Number: 13G0656

Enclosed are results of analyses for samples received by the laboratory on July 17, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James Georgantas
Project Manager

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Northeast Utilities
P O. Box 270
Hartford, CT 06141
ATTN: Paul Boison

REPORT DATE. 7/18/2013

PURCHASE ORDER NUMBER: 02255013

PROJECT NUMBER. 5783-012

ANALYTICAL SUMMARY

WORK ORDER NUMBER. 13G0656

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report

PROJECT LOCATION: 176 Cumberland Highway, Wethersfield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SS-N	13G0656-01	Soil		CTDEP ETPH	
				SM 2540G	
SS-E	13G0656-02	Soil		CTDEP ETPH	
				SM 2540G	
SS-S	13G0656-03	Soil		CTDEP ETPH	
				SM 2540G	
SS-W	13G0656-04	Soil		CTDEP ETPH	
				SM 2540G	
BS-1	13G0656-05	Soil		CTDEP ETPH	
				SM 2540G	

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 176 Cumberland Highway, Wethe Sample Description: Work Order: 13G0656

Date Received: 7/17/2013

Field Sample #: SS-N Sampled: 7/17/2013 09:23

Sample ID: 13G0656-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	7/17/13	7/17/13 18:47	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	91.5	50-150				7/17/13 18:47	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 176 Cumberland Highway, Wethe Sample Description: Work Order: 13G0656
Date Received: 7/17/2013
Field Sample #: SS-N Sampled: 7/17/2013 09:23
Sample ID: 13G0656-01
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	7/17/13	7/18/13 9:26	RH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 176 Cumberland Highway, Wethe Sample Description: Work Order: 13G0656

Date Received: 7/17/2013

Field Sample #: SS-E Sampled: 7/17/2013 09:18

Sample ID: 13G0656-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	7/17/13	7/17/13 19:08	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	85.5	50-150				7/17/13 19:08	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 176 Cumberland Highway, Wethe Sample Description: Work Order: 13G0656

Date Received: 7/17/2013

Field Sample #: SS-E Sampled: 7/17/2013 09:18

Sample ID: 13G0656-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1		SM 2540G	7/17/13	7/18/13 9:26	RH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 176 Cumberland Highway, Wethe Sample Description Work Order: 13G0656
Date Received: 7/17/2013
Field Sample #: SS-S Sampled: 7/17/2013 09:20
Sample ID: 13G0656-03
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	7/17/13	7/17/13 19:30	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	91.1	50-150		7/17/13 19:30

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 176 Cumberland Highway, Wethe Sample Description: Work Order: 13G0656

Date Received: 7/17/2013

Field Sample #: SS-S Sampled: 7/17/2013 09:20

Sample ID: 13G0656-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.6		% Wt	1		SM 2540G	7/17/13	7/18/13 9:26	RH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 176 Cumberland Highway, Wethe Sample Description: Work Order: 13G0656

Date Received: 7/17/2013

Field Sample #: SS-W Sampled: 7/17/2013 09:14

Sample ID: 13G0656-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	12	mg/Kg dry	1		CTDEP ETPH	7/17/13	7/17/13 19:51	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	55.3	50-150		7/17/13 19:51

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 176 Cumberland Highway, Wethe Sample Description: Work Order: 13G0656

Date Received: 7/17/2013

Field Sample #: SS-W Sampled: 7/17/2013 09:14

Sample ID: 13G0656-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.1		% Wt	1		SM 2540G	7/17/13	7/18/13 9:26	RH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 176 Cumberland Highway, Wethe Sample Description Work Order: 13G0656
Date Received: 7/17/2013
Field Sample #: BS-1 Sampled: 7/17/2013 09:25
Sample ID: 13G0656-05
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	7/17/13	7/17/13 20:13	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	89.5	50-150		7/17/13 20:13

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 176 Cumberland Highway, Wethe Sample Description: Work Order: 13G0656
Date Received: 7/17/2013
Field Sample #: BS-1 Sampled: 7/17/2013 09:25
Sample ID: 13G0656-05
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4		% Wt	1		SM 2540G	7/17/13	7/18/13 9:26	RH

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13G0656-01 [SS-N]	B076897	30.6	1.00	07/17/13
13G0656-02 [SS-E]	B076897	30.3	1.00	07/17/13
13G0656-03 [SS-S]	B076897	30.0	1.00	07/17/13
13G0656-04 [SS-W]	B076897	30.3	1.00	07/17/13
13G0656-05 [BS-1]	B076897	30.2	1.00	07/17/13

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
13G0656-01 [SS-N]	B076910	07/17/13
13G0656-02 [SS-E]	B076910	07/17/13
13G0656-03 [SS-S]	B076910	07/17/13
13G0656-04 [SS-W]	B076910	07/17/13
13G0656-05 [BS-1]	B076910	07/17/13

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B076897 - SW-846 3546										
Blank (B076897-BLK1)				Prepared & Analyzed: 07/17/13						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*2.53*		mg/Kg wet	3.33		76.0	50-150			
LCS (B076897-BS1)				Prepared & Analyzed: 07/17/13						
CT ETPH	28.6	10	mg/Kg wet	33.3		85.7	60-120			
Surrogate: o-Terphenyl	*2.83*		mg/Kg wet	3.33		85.0	50-150			
LCS Dup (B076897-BSD1)				Prepared & Analyzed: 07/17/13						
CT ETPH	30.9	10	mg/Kg wet	33.3		92.6	60-120	7.74	30	
Surrogate: o-Terphenyl	*3.08*		mg/Kg wet	3.33		92.3	50-150			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B076910 - % Solids										
Duplicate (B076910-DUP3)	**Source: 13G0656-05**			Prepared: 07/17/13 Analyzed: 07/18/13						
% Solids	89.4		% Wt		90.4			1.11	20	

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FLAG/QUALIFIER SUMMARY

* QC result is outside of established limits

\# Wide recovery limits established for difficult compound.

+ Wide RPD limits established for difficult compound.

= Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

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CHAIN OF CUSTODY RECORD

con-test ANALYTICAL LABORATORY
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Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

13G0656
Rev 04.05.12
Page 1 of 1

Company Name: Apex Companies LLC
Address: 581 Connecticut Ave
South Windsor, CT
Attention: Dave Melychen
Project Location: Wethersfield, CT
Sampled By: JP

Telephone: 860-282-1700
Project #: 5783-012
Client PO#:

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ○ WEBSITE
Fax #:
Email: dmelychen@apexcos.com
Format: ☒ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Cont. Code	CT ETPH	# of Containers	** Preservation	***Container Code
-01	SS-N	9:23	7/17/13		X	S	U	X			
-02	SS-E	9:18	↓		↓	↓	↓	↓			
-03	SS-S	9:20	↓		↓	↓	↓	↓			
-04	SS-W	9:14	↓		↓	↓	↓	↓			
-05	BS-1	9:25	↓		↓	↓	↓	↓			

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

Comments: Bill to: Northeast Utilities Services Company
PO Box 720
Hartford, CT
Proj Manager: Paul Boison 860-665-3127

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	7/17/13 12:01
Received By: (signature)	Date/Time:
	7/17/13 12:01
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other
RUSH †
☒ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut: CT RSRs
Other:

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID #

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: APeX **RECEIVED BY:** CEC **DATE:** 7/17/13

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included
2) **Does the chain agree with the samples?** (Yes) No
If not, explain:
3) **Are all the samples in good condition?** (Yes) No
If not, explain:
4) **How were the samples received:**
On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑
Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A
Temperature °C by Temp blank 3.0° Temperature °C by Temp gun ~~3.0~~
5) **Are there Dissolved samples for the lab to filter?** Yes (No)
Who was notified _____ Date _____ Time _____
6) **Are there any RUSH or SHORT HOLDING TIME samples?** (Yes) No
Who was notified _____ Date _____ Time _____
7) **Location where samples are stored:** 19
Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____
8) **Do all samples have the proper Acid pH:** Yes No (N/A) _____
9) **Do all samples have the proper Base pH:** Yes No (N/A) _____
10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	5
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

C:\MSDCHEM\2\DATA\B071713.SEC\B0717025.D

CT ETPH MASS DISCRIMINATION CHECK

Date Acquired 7/17/2013 15:54
Data File Name B0717025.D
Sample Name ETPH 1500
Instrument Name GCFID2

Name	Ret Time	Target Response	Average Response	*%D +/- 20
n-Nonane	1.66	8859493	9557651	-7
n-Decane	2.28	9285770	9557651	-3
n-Dodecane	3.21	9093882	9557651	-5
n-Tetradecane	3.93	9145656	9557651	-4
n-Hexadecane	4.54	9172234	9557651	-4
n-Octadecane	5.09	9490227	9557651	-1
n-Eicosane	5.71	9613101	9557651	1
n-Docosane	6.47	9794308	9557651	2
n-Tetracosane	7.31	9948832	9557651	4
n-Hexacosane	8.12	10024306	9557651	5
n-Octacosane	8.86	9965413	9557651	4
n-Triacontane	9.55	9978448	9557651	4
n-Dotriacontane	10.19	9712965	9557651	2
n-Tetratriacontane	10.78	9665041	9557651	1
n-Hexatriacontane	11.39	9615082	9557651	1

*One compound allowed %D </= 50

Samples

13G0656-01
13G0656-02
13G0656-03
13G0656-04
13G0656-05

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: 176 Cumberland Highway, Wethersfield, CT

Project Number: 13G0656

Laboratory Sample ID(s):
13G0656-01 thru 13G0656-05

Sample Date(s):
07/17/2013

List RCP Methods Used:
CTDEP ETPH

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5B	Were these reporting limits met?	☐ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: M Erickson **Position:** Laboratory Director

Printed Name: Michael A. Erickson **Date:** 07/18/13

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.