

**DES Waste Management Division
29 Hazen Drive; P.O. Box 95
Concord, NH 03302-0095**

**Underground Storage Tank Closure Report
Concord Steam
123 Pleasant Street
Concord, NH**

**NHDES Site Number: 198608003
Project Type: UST
NHDES Project Number: 0113205**

**Prepared For:
Concord Steam
123 Pleasant Street
Concord, NH**

**Prepared By:
ENPRO
709 Keith Avenue
Pembroke, NH
Contact: Elizabeth Strachan
estrachan@ENPRO.com
603-410-1150**

**ENPRO Project Number: 61203-0113
Date of Report:
November 11, 2016**

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1.0 INTRODUCTION

In August 2016, ENPRO Services, Inc. (ENPRO), a National Response Corporation owned company, completed the closure of two 77,000-gallon No 6 fuel oil concrete underground storage tanks (UST) at the property located at 123 Pleasant Street in Concord, New Hampshire (the site or property). ENPRO was contracted by Concord Steam to remove the oil from the tanks, clean the tanks, provide inspection and perform a UST closure assessment. Closure activities were completed in general accordance with the June 2014 New Hampshire Department of Environmental Services (NHDES) guidance entitled *Requirements for Underground and Aboveground Storage Tank System and System Component Closure Sampling and Reporting*.

2.0 SITE DESCRIPTION

The subject USTs were located adjacent to the Concord Steam building located at 123 Pleasant Street (of note, the NHDES database indicates the address as 105 Pleasant Street, which according to Concord Steam and City of Concord records, is incorrect). The site is currently operated by Concord Steam as a boiler plant which supplies steam heat to the state owned campus adjacent to the boiler plant as well as the downtown Concord area and feed electricity into the local electrical distribution network. The site is situated on an approximately 0.92-acre parcel in a light industrial and commercial section of Concord. The site is situated on a campus owned by the State of New Hampshire and is currently developed with the subject boiler plant, a state psychiatric hospital, a laundry facility, and a maintenance garage. The area to the north of the subject property, across Pleasant Street is commercially and residentially developed. The location of the site is presented on Figure 1 - *Site Location Map*, and site details are depicted on Figure 2 – *Site Plan*. Tank closure photographs are provided in Appendix A.

3.0 BACKGROUND

According to NHDES records, the subject site is listed as site number 198608003 and UST Facility ID 0113205. The two No. 6 fuel oil tanks are the only registered tanks located on the property operated by Concord Steam. According to the NHDES records the tanks were temporarily closed on April 8, 2014, and a Concord Steam representative confirmed that the fill tubes and the plant oil system were locked and tagged out for the temporary closure and have not been used since. Notification to the NHDES of the intent to close was made on May 11, 2016. A copy of the notification is provided in Appendix B.

4.0 CLOSURE OF UST SYSTEM

IFCI UST Decommissioning License holders working on this project included Elizabeth Strachan (5057127-U2), Joseph Pelletier (8356758-U2), and Michael Cormier (8028643-U2). The owner/operator contact for the site is James Garlow of Concord Steam.

4.1 UST Closure

From August 9 through August 19, 2016, ENPRO pumped, cleaned, and pressure washed the interior of the concrete tanks. A total of 7,500 gallons of oil was removed from the tanks and transported on standard Bills of Lading 049303 and 048917 to Recycle Oil Company in Easton, Pennsylvania for recycling. A total of 1,000 gallons of oil was removed from the tanks and transported under Uniform Hazardous Waste Manifest 003015993GBF to Tradebe Treatment & Recycling of Stoughton, LLC in Stoughton, Massachusetts for recycling. A total of 7,980 gallons of oily sludge was removed from the tanks and transported under Uniform Hazardous Waste Manifest 003015991GBF and 003014067GBF to Tradebe Treatment & Recycling of Stoughton, LLC of Stoughton for solidification and disposal. A total of 1,130 gallon of oily sludge was removed from the tanks and transported under Uniform Hazardous Waste Manifest 003015982GBF to ENPRO Services of Maine, Inc. in South Portland, Maine for solidification and disposal. Copies of the disposal manifests are provided in Appendix C.

During the UST closure, the concrete tanks were pumped and then cleaned of their contents. The interior of the tanks were pressure washed. The fill piping was rinsed and removed from the site. The 77,000-gallon concrete tanks were not removed from the site since they currently occupy a space that supports a retaining wall and a ramp to the Concord Steam facility. The tanks were not filled with concrete slurry as it is ENPRO's understanding that the owners of the property, the State of NH, would like to decommission the site and remove the concrete structures at a later date. Filling the large tanks with concrete slurry would make removing them at a later date difficult and costly.

Following the pressure washing of the tanks, ENPRO inspected the interior of the concrete structure, noovert visual evidence of cracks or holes were observed during the inspection. The thickness of the concrete and likely presence of rebar prevented boring holes through the floor of the structures for soil investigation. Additionally, past sites have indicated that this method may create preferential pathways for groundwater to enter the tanks if they are not immediately removed. Furthermore, past sites have also indicated that concrete tanks of this nature are more likely to leak from the concrete joints in the sides than from the base of the tank. Due to these

ENPRO Services, Inc.

19 National Drive • Franklin, MA 02038 • tel 508.966.6000 • fax 508.966.4861

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considerations, ENPRO determined that soil borings adjacent to the tanks would be a more efficient way to evaluate whether a leak from the structures had occurred. Unfortunately, photographs within the tank did not come out well and are not included in this report. Observations of the exposed side of the tank indicated leaks along the seams in the concrete structure where oil had seeped out through the years.

4.2 Soil Borings and Analysis

On October 10, 2016 ENPRO and Eastern Analytical of Concord, NH mobilized to the site to advance borings adjacent to the tanks. The first boring, B-1 was advanced immediately north of the tanks toward Pleasant Street and met refusal at 13 feet below ground surface (bgs). Boring B-2 was advanced three feet north of this location to a depth of 35 feet bgs. Borings B-3 and B-4 were advanced to the west of the tanks where the base of the tanks are only a few feet below ground surface as more of the tanks are exposed on the west side. Borings B-3 and B-4 were installed using a hand boring technique due to the spatial limitations of the area. Borings could not be installed to the east of the tank along the driveway to the campus (aka Industrial Drive) due to the proximity of two 18-inch diameter steam lines in this area. Borings were not installed to the south of the tanks due to the location of the Concord Steam facility. The boring logs are provided in Appendix D. Soil samples containing oil were observed in Borings B-2 (at a depth of 25-35 feet bgs), B-3 (at a depth of 0-2 feet bgs) and B-4 (at a depth of 0-4 feet bgs) indicating that a leak from the sides of the tanks had occurred.

Discreet soil samples were collected from Boring B-2 at 29 feet bgs and Boring B-4 at 0-2 feet (B-2, 29ft and B-4, S-1 respectively). The samples were submitted under Chain-of-Custody to Eastern Analytical of Concord, NH and analyzed for volatile organic compounds (VOCs) by EPA Method 8260B, polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270 and total petroleum hydrocarbons as diesel range organics (TPH-DRO) by EPA Method 8015B. The results of the laboratory report are summarized in Table 1, and a copy of the laboratory report is provided in Appendix E. The laboratory results indicate that VOCs were not detected at concentrations above the NHDES Soil Remediation Standards with the exception of naphthalene in sample B-2, 29 ft. The results also indicate numerous PAH compounds in both samples, with several being detected at concentrations above the soil remediation standards. Total petroleum hydrocarbons were detected at concentrations above the soil remediation standards in both samples. These laboratory results with high concentrations of PAH compounds and TPH and low concentrations of VOCs compounds appear consistent with results associated with a No. 6 fuel oil release.

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4.3 Groundwater Sampling and Analysis

Groundwater was not encountered in any of the borings advanced on the premises for this investigation. Two monitoring wells are located to the west and south of the tanks. ENPRO made an attempt to sample these wells and found them to be dry. This is likely a result of the drought that the region is currently experiencing. While investigating the monitoring well to the south of the tanks, a sump was observed adjacent to the monitoring well. A pipe that appears to originate from under the tanks enters the sump about six inches bgs and had an oily residue that was dripping into the sump water. A Concord Steam representative indicated that this pipe and sump system has existed since they started operating on the facility and the origin of the pipe is unknown to them as well. This was not sampled as it was unknown at the time if the water was groundwater or part of the facilities system. Based on the conditions in the monitoring well, which is at least five feet deeper than the sump and currently dry, it is unlikely that the water in the sump was groundwater.

5.0 CONCLUSIONS AND RECOMMENDATIONS

In August 2016, ENPRO cleaned two 77,000-gallon No. 6 fuel oil concrete USTs and removed all associated fill piping from the Concord Steam property at 123 Pleasant Street in Concord, New Hampshire. Due to plans to remove the tanks from the property during demolition at a later date, the tanks were not filled with concrete slurry. The fill pipes have been removed from the system and the manway covers will be bolted closed to prevent accidental filling in the future. A boring investigation in the areas to the north and west of the tanks indicates that the tanks have leaked from the sides in the past. Based on these observations, it is ENPRO's opinion that further investigation and impacted soil removal will be necessary when the tanks are demolished and removed from the site. Additionally, ENPRO recommends the sampling of the pre-existing, on site monitoring wells in the Spring when there is likely to be a higher groundwater table.

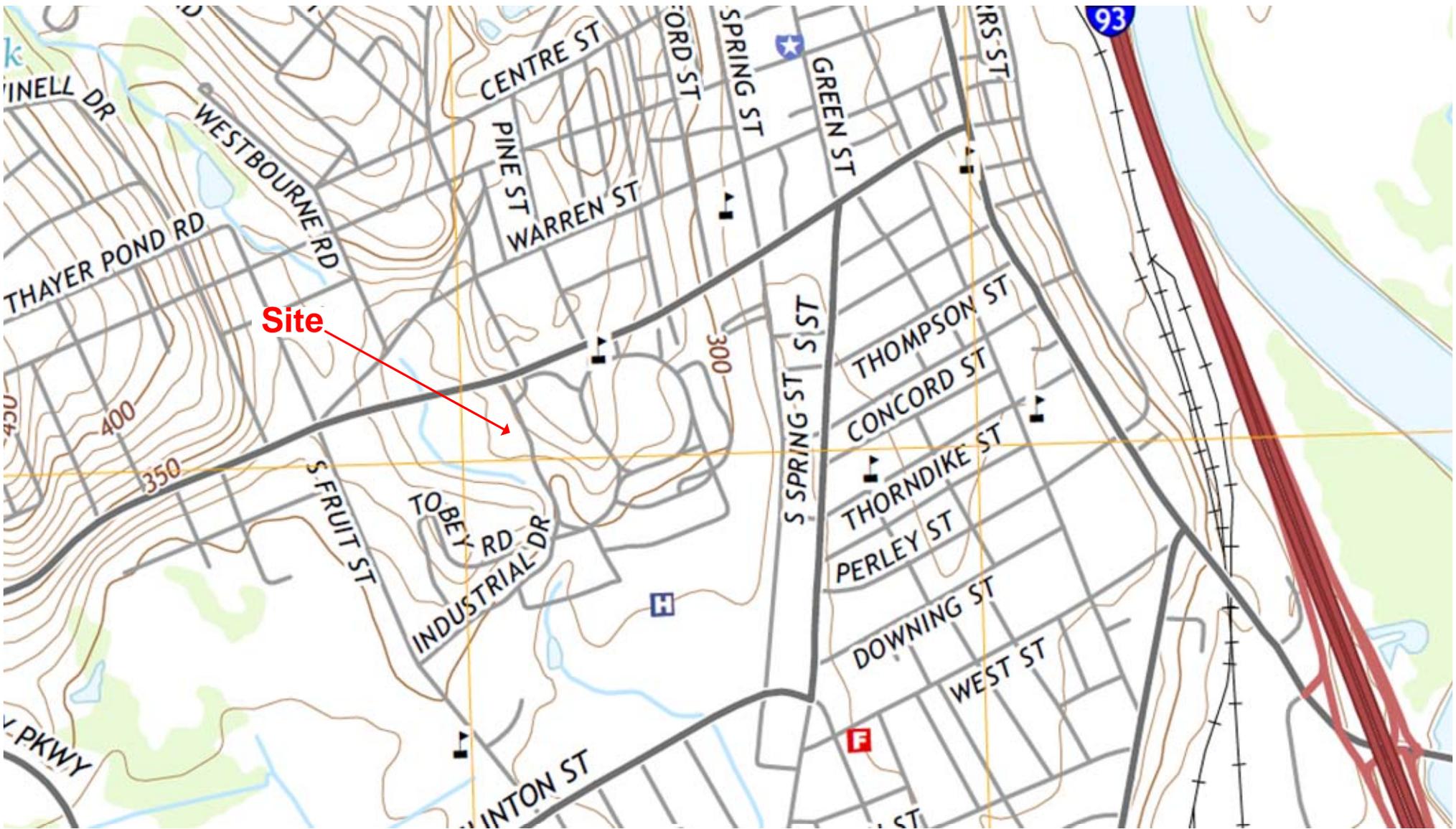


Figure 1: Site Location Map



Concord Steam
123 Pleasant Street
Concord, NH
ENPRO Project # 61203-0113



Map Source: USGS Concord Quadrangle



40 Ft.
Approximate
Scale

Figure 2: Site Plan

Concord Steam
123 Pleasant Street
Concord, NH
ENPRO Project # 61203-0113



Table 1
Soil Sample Results

Compound	Sample Location and Concentration		NHDES Standards (ug/g)
	B-2, 29ft. 10/10/2016	B-4, S-1 10/10/2016	Soil Remediation Standard
VOC ethylbenzene	0.7	0.16	140
total xylenes	0.34	0.07	500
isopropylbenzene	0.19	0.1	330
n-propylbenzene	0.77	0.16	85
1,3,5-trimethylbenzene	0.19	0.07	96
1,2,4-trimethylbenzene	0.62	0.09	130
sec-butylbenzene	0.33	0.12	130
4-isopropyltoluene	0.16	<0.06	3400
1,4-Dichlorobenzene	<0.07	0.12	7
1,2-Dichlorobenzene	<0.07	0.16	88
n-Butylbenzene	1.8	0.29	110
naphthalene	18	0.6	5
PAH naphthalene	9	<7	5
2-methylnaphthalene	43	8.9	96
1-Methylnaphthalene	28	7.7	NS
Fluorene	8.5	<7	77
Phenanthrene	38	13	NS
Fluoranthene	7.2	16	960
Pyrene	29	29	720
Benzo[a]anthracene	19	9.7	1
Chrysene	36	16	120
Benzo[b]fluoranthene	7.5	<7	1
Benzo[a]pyrene	14	8.5	0.7
TPH Diesel Range Organics	24000	26000	10,000

Notes:

VOC = volatile organic compounds
 PAH = polycyclic aromatic hydrocarbons
 TPH = Total Petroleum Hydrocarbons
 NHDES = New Hampshire Department of Environmental Services
 ug/g = micrograms per gram



Appendix A



Observed oil on the exposed side of the tanks



Manhole caps that will be bolted by Concord Steam



Observed oil in sample collected from Boring B-2



Observed oil in sample collected from Boring B-4



Appendix B



Underground Storage Tank/Aboveground Storage Tank Closure Notification



RSA 146-A&C /Env-Or 300 & 400

1. Person Making Notification Name: <u>Elizabeth K. Strachan</u> Street: <u>709 Kieth Avenue</u> City/Town: <u>Pembrok, NH</u>		Initial: <u>EKS</u> Date: <u>5/11/2016</u> Telephone: <u>(603) 498-5843</u> Email: <u>estrachan@enpro.com</u>		
2. DES Site # <u>198608003</u> Facility ID # <u>0113205</u> Name: <u>Concord Steam Corp</u> Street: <u>105 Pleasant Street</u> City/Town: <u>Concord, NH</u>			Telephone: <u>(603) 224-1461</u>	
3. Owner Name Name: <u>Concord Steam Corp</u> Street: <u>PO Box 2520</u> City/Town: <u>Concord, NH</u>		Telephone: <u>(603) 224-1461</u>		
4. Tank Removal Information (Select All That Apply) ** L = Leaker Suspected R = Removed F = Filled in Place P = Piping Only Closed **				
L <input type="checkbox"/> R <input checked="" type="checkbox"/> F <input type="checkbox"/> P <input type="checkbox"/> Tank # <u>1</u> Size <u>77000 g</u> Product <u>No. 6</u> Will tank/piping be replaced underground? Yes No <input checked="" type="checkbox"/>	L <input type="checkbox"/> R <input type="checkbox"/> F <input type="checkbox"/> P <input type="checkbox"/> Tank # <u>2</u> Size <u>77000</u> Product <u>No. 6</u> Will tank/piping be replaced underground? Yes No <input checked="" type="checkbox"/>	L <input type="checkbox"/> R <input type="checkbox"/> F <input type="checkbox"/> P <input type="checkbox"/> Tank # _____ Size _____ Product _____ Will tank/piping be replaced underground? Yes No	L <input type="checkbox"/> R <input type="checkbox"/> F <input type="checkbox"/> P <input type="checkbox"/> Tank # _____ Size _____ Product _____ Will tank/piping be replaced underground? Yes No	L <input type="checkbox"/> R <input type="checkbox"/> F <input type="checkbox"/> P <input type="checkbox"/> Tank # _____ Size _____ Product _____ Will tank/piping be replaced underground? Yes No
5. Consultant/Contractor: <u>ENPRO</u>		ICC-U2 Certificate: <u>TBD</u>		
6. Local Fire Dept. Notified: _____				

Town: _____ Scheduled Closure Date: _____ Mailed: _____

Contact email orcb.wmd@des.nh.gov and phone (603) 271-3899
 PO Box 95, Concord, NH 03302-0095
www.des.nh.gov



Appendix C



Manifest Section
State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
Waste Management Division
Hazardous Waste Transporters Program Hazardous Waste
29 Hazen Drive, P. O. Box 95
Concord, New Hampshire 03302-0095

RE: Manifest Discrepancy Letter

Document No: 003 015 991 GBF, 003 014 067 GBF

Generator: Concord Steam

Dear Maria:

Please be advised of the following corrections required on the attached manifest:

- **Section 1.** - Generators 1D Number should read: NHD 500 008 255
- **Section 13.** - Waste codes should read: NH01, MA01

The #6 Fuel oil tank bottoms shipped to Tradebe Treatment and Recycling of Stoughton's facility was intended for reuse but was not processable to the facility. The Fuel Oil was solidified for landfill disposal.

Please retain this letter and its attachment in your files. Should you require any further information or have any questions, please do not hesitate to contact the undersigned at your convenience.

Sincerely,
John Curley

A handwritten signature in red ink that reads 'John Curley' in a cursive script.

Sr. Hazardous Materials Coordinator
NRC

cc: Generator(s)
State Agency(ies)
Facility(ies)
Transporter(s)
ENPRO file

attachment(s)

NHD 500 008 255

90218392

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

www.enpro.com
www.tsdf.com
www.hazardouswaste.com
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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NHD 999999999	2. Page 1 of 1	3. Emergency Response Phone 800 966 1102	4. Manifest Tracking Number 003014067 GBF	
5. Generator's Name and Mailing Address CONCORD STEAM 103 PLEASANT STREET CONCORD, NH 03301 Generator's Phone: 603-224-1641			Generator's Site Address (if different than mailing address) ATTN: JAMES GARLOW			
6. Transporter 1 Company Name ENPRO SERVICES, INC			U.S. EPA ID Number MAC300098399		7. Transporter 2 Company Name	
8. Designated Facility Name and Site Address TRACBC TREATMENT & RECYCLING OF STOUGHTON, LLC 171 REAR ST STOUGHTON, MA 01072 Facility's Phone: 781-997-3530			U.S. EPA ID Number MA0062179890			
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. STATE REGULATED OIL WASTE	No.	Type	5800	G	MA-NH01- MA01 NH01
2.		001	TT			
3.						
4.						
14. Special Handling Instructions and Additional Information 1) (L) VIRGIN #6 OIL FUEL OIL AND WATER VIRGIN FUEL FOR STATE REGULATED IN MA / NOT A WASTE IN NH. DOT # 43437 2019 # 61263-0113						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name J. TAUBENBERG			Signature <i>[Signature]</i>		Month Day Year 08/15/16	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: Thomas Daley Jr Signature: <i>[Signature]</i> Month Day Year: 08/15/16 Transporter 2 Printed/Typed Name: Signature: <i>[Signature]</i> Month Day Year:						
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number: NH DEPT. OF ENVIRONMENTAL SERVICES						
18c. Signature of Alternate Facility (or Generator) Facility's Phone: SEP 2 2016 Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) RECEIVED						
1	2	3	4			
H110						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name: KENNEDY TIBBETS Signature: <i>[Signature]</i> Month Day Year: 08/16/16						

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number N H D 9 9 9 9 9 9 9 8	2. Page 1 of 1	3. Emergency Response Phone 800 966-1102	4. Manifest Tracking Number 003015982 GBF				
5. Generator's Name and Mailing Address Concord Steam 123 Pleasant Street Concord NH 03301		Generator's Site Address (if different than mailing address) Att: James Garlow						
Generator's Phone: 6 0 3 2 2 4 - 1 6 4 1		U.S. EPA ID Number M A C 3 0 0 0 9 8 3 9 9						
6. Transporter 1 Company Name ENPRO SERVICES, INC.		U.S. EPA ID Number						
7. Transporter 2 Company Name		U.S. EPA ID Number						
8. Designated Facility Name and Site Address ENPRO SERVICES OF MAINE, INC. 106 MAIN STREET SOUTH PORTLAND ME 04106		U.S. EPA ID Number M E D 0 1 9 0 5 1 0 6 9						
Facility's Phone: 207 799-0850								
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) STATE REGULATED OIL WASTE	10. Containers		11. Total Quantity 1130 800	12. Unit Wt./Vol. G	13. Waste Codes NHX1		
		No.	Type					
		0 0 1	TT					
14. Special Handling Instructions and Additional Information 1)(L) #6 Oil and Diesel/water; NOT A HAZARDOUS WASTE IN NH; ConcordSt-001; ME-0816-10413 PM: L.Strachan EMI PO# 43357								
ENPRO JOB# 61203-0113								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name SEE SECTION 18				Signature		Month Day Year 08 17 16		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name George Reynolds				Signature		Month Day Year 08 19 16		
Transporter 2 Printed/Typed Name Andrew B Blanchard				Signature		Month Day Year		
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection SECTION 17: GENERATOR SIGNED UNDER TRANSPORTER #2								
18b. Alternate Facility (or Generator)						Manifest Reference Number: U.S. EPA ID Number		
18c. Signature of Alternate Facility (or Generator)								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. H141		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name William S. [Signature]				Signature		Month Day Year 08 19 16		

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

www.hazardouswaste.com

www.enpro.com

www.tsdf.com

www.hazardouswaste.com



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NHD99999998	2. Page 1 of 1	3. Emergency Response Phone 8448738723	4. Manifest Tracking Number 003015993 GBF	
6. Generator's Name and Mailing Address Concord Steam 123 Pleasant Street Concord NH 03301 Att: James Gariwo Generator's Site Address (if different than mailing address)						
Generator's Phone: 603 224-1641				U.S. EPA ID Number CTD021816889		
6. Transporter 1 Company Name Tradebe Transportation, LLC				U.S. EPA ID Number		
7. Transporter 2 Company Name				U.S. EPA ID Number		
8. Designated Facility Name and Site Address Tradebe Treatment & Recycling of Stoughton, LLC 441R Canton Street Stoughton MA 02072				U.S. EPA ID Number MAD062179890		
Facility's Phone: 781 297-3530						
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
	STATE REGULATED OIL WASTE	001	IT	1000	G	MA98 9999
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information 1)(L) Virgin #6 fuel oil and water Virgin Fuel Oil for recycle, State Regulated in MA, Not a hazardous waste in NH PO# 43437 Profile # 1000129739 SO# 1267244 ENPRO JOB# 61203-0113						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name W.S.				Signature William Simpson		Month Day Year 8 10 16
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____ Transporter signature (for exports only): _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Blane Feliciano				Signature Blane Feliciano		Month Day Year 8 10 16
Transporter 2 Printed/Typed Name				Signature		Month Day Year
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number: _____						
18b. Alternate Facility (or Generator)				U.S. EPA ID Number		
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator)				Signature		Month Day Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. H0601		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name Tiffany Signorelli				Signature TSS		Month Day Year 8 11 16

GENERATOR

TRANSPORTER INTL

DESIGNATED FACILITY

www.hazardouswaste.com

www.enpro.com

www.tsdf.com

www.hazardouswaste.com

RECYCLE OIL COMPANY

Helping to keep the countryside clean...
one drop at a time.

1600 South 25th Street
Easton, PA 18042

Phone: 610-250-8747

Fax: 610-515-9918

EMERGENCY RESPONSE 1-800-424-9300-CHEMTREC

PA No 049303

USED OIL MANIFEST (Non-Hazardous)

Facility I.D. No. 301288
EPA ID No. PAD 980537666

Date of Service 8/8/16

COMPANY LOCATION	BILLING ADDRESS
CONCORD STEAM	
123 Pleasant St	
CONCORD NH	

Contact: _____ Phone: _____ FAX: _____

TIME OF SERVICE: _____ NEXT SERVICE: _____ TANK SIZE: _____

DESCRIPTION	START INCHES or LBS.	END INCHES or LBS.	NET VOLUME	UNIT PRICE	TOTAL
<input checked="" type="checkbox"/> USED OIL (Not U.S. DOT/EPA Reg)	✓	✓	✓	✓	6000
<input type="checkbox"/> USED ANTI-FREEZE (Not U.S. DOT/EPA Reg)					
<input type="checkbox"/> OTHER					
<input type="checkbox"/> OTHER					

Recycle Oil Company assumes responsibility for the safe removal and disposal of waste fluids in accordance with all State and Federal laws. EPA ID No. PAD 980537666

Recycle Oil Company Receivables	
Payment Received <input type="checkbox"/> Yes <input type="checkbox"/> No	To be Billed? <input type="checkbox"/> Yes <input type="checkbox"/> No
Amount Received _____	P.O. # _____
Date Received _____	Remarks _____
Recycle Oil Company Payables	
Amount Paid _____	Check to be forwarded from the office? <input type="checkbox"/> Yes <input type="checkbox"/> No
Check # _____	<input type="checkbox"/> Yes <input type="checkbox"/> No

GENERATOR CERTIFICATION (Must be signed prior to acceptance and delivery)

I hereby certify that all information submitted in this and all attached documents are true and accurate. I also attest any material received by us is not a listed hazardous waste pursuant to 40CFR 261.31 (Hazardous waste from non-specific sources) through 40CFR 261.33 (Discarded commercial chemical products). The used oil has not been mixed with a listed hazardous waste; has not been derived from a hazardous waste; has not been mixed with waste that exhibits a hazardous characteristic other than ignitability characteristics; the resulting mixture does not exhibit any hazardous waste characteristic and does not contain measurable quantities (>2PPM) of Polychlorinated Biphenyls (PCBs).

Signature [Signature] Title 8-8-16

Print Name _____

Driver's Signature David

Thank you

15325

RECYCLE OIL COMPANY

PA № 048917

Helping to keep the countryside clean...
one drop at a time.

USED OIL MANIFEST (Non-Hazardous)

1600 South 25th Street
Easton, PA 18042

Facility I.D. No. 301288
EPA ID No. PAD 980537666

Phone: 610-250-8747
Fax: 610-515-9918

Date of Service 8-9-16

EMERGENCY RESPONSE 1-800-424-9300-CHEMTREC

COMPANY LOCATION	BILLING ADDRESS
Concord Steam	
123 Pleasant ST	
Concord, NH	

Contact: _____ Phone: _____ FAX: _____

TIME OF SERVICE: _____ NEXT SERVICE: _____ TANK SIZE: _____

DESCRIPTION	START INCHES or LBS.	END INCHES or LBS.	NET VOLUME	UNIT PRICE	TOTAL
<input type="checkbox"/> USED OIL (Not U.S. DOT/EPA Reg)					
<input type="checkbox"/> USED ANTI-FREEZE (Not U.S. DOT/EPA Reg)					
<input type="checkbox"/> OTHER					
<input checked="" type="checkbox"/> OTHER <u>6# oil</u>					1500

Recycle Oil Company assumes responsibility for the safe removal and disposal of waste fluids in accordance with all State and Federal laws. EPA ID No. PAD 980537666

Recycle Oil Company Receivables	
Payment Received <input type="checkbox"/> Yes <input type="checkbox"/> No	To be Billed? <input type="checkbox"/> Yes <input type="checkbox"/> No
Amount Received _____	P.O. # _____
Date Received _____	Remarks _____
Recycle Oil Company Payables	
Amount Paid _____	Check to be forwarded from the office? <input type="checkbox"/> Yes <input type="checkbox"/> No
Check # _____	

GENERATOR CERTIFICATION (Must be signed prior to acceptance and delivery)

I hereby certify that all information submitted in this and all attached documents are true and accurate. I also attest any material received by us is not a listed hazardous waste pursuant to 40CFR 261.31 (Hazardous waste from non-specific sources) through 40CFR 261.33 (Discarded commercial chemical products). The used oil has not been mixed with a listed hazardous waste; has not been derived from a hazardous waste; has not been mixed with waste that exhibits a hazardous characteristic other than ignitibility characteristics; the resulting mixture does not exhibit any hazardous waste characteristic and does not contain measurable quantities (>2PPM) of Polychlorinated Biphenyls (PCBs).

Signature: [Signature] Title: _____
 Print Name: [Signature]
 Driver's Signature: [Signature]

NA 1993, PG 111
Combustible Liquid
6# OIL

TS



Appendix D



SOIL BORING/ WELL COMPLETION LOG

Boring No: B-1 Well ID: NA
 Sheet: 1 Of: 1
 Project: Concord Steam Project Number: 61203-0113
 Location: 123 Pleasant Street Chkd. By: EKS
 Concord, NH

Drilling Co.: Eastern Analytical, Inc. Boring Location: North of tank
 Driller: Eastern Analytical, Inc. Top of PVC Riser Elevation: NA Datum:
 ENG.: Elizabeth Strachan Date Started: 10/10/16 Date Completed: 10/10/16

DRILLING METHOD		SAMPLER		GROUND WATER READINGS			
Vehicle:	Track Mounted	Type:	Split Spoon	DATE	DEPTH	REFERENCE	STABILIZATION
Model:	GeoProbe	Hammer(lb):	NA		NA		
Method:	Direct Push	Fall (in):	NA NA				

DEPTH (ft)	SAMPLE				WELL COMPLETION DETAIL	SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE
	NO.	RECOV. (in)	DEPTH (ft)	BLOWS/6'					
	1	24/60				Top soil. Light brown, fine SAND.		0.0	
			1					0.0	
			2			Light brown, fine SAND and GRAVEL.		0.0	
			2						
			4						
	2	6/60	5			Light brown, fine to coarse SAND and GRAVEL.		0.0	
			6						
			7						
			8						
			9						
	3	12/36	10			Ligth brown, fine to coarse SAND and GRAVEL.			
			11			Piece of filter fabric		0.1	
			12			Light brown fine SAND and SILT, damp.			
			13			Refusal at 13 feet.			

GRANULAR SOILS		COHESIVE SOILS		WELL CONSTRUCTION		INTERVAL	LEGEND
BLOWS/ft.	DENSITY	BLOWS/ft.	CONSISTENCY	MATERIAL	TYPE	FEET BGS	
0-4	V. LOOSE	<2	V. SOFT	Concrete		NA	
4-10	LOOSE	2-4	SOFT	Backfill		NA	
10-30	M. DENSE	4-8	M. STIFF	Grout		NA	
30-50	DENSE	8-15	STIFF	Bentonite		NA	
>50	V. DENSE	15-30	V. STIFF	Sandpack		NA	
		>30	HARD	Riser (PVC)		NA	
				Screen (0.01" Slot)		NA	

NOTES:
 1. Soil samples screened in field for Total Organic Vapors (TOV) using a photoionization detector.



SOIL BORING/ WELL COMPLETION LOG
 Project: Concord Steam
 Location: 123 Pleasant Street
 Concord, NH

Boring No: B-2
 Well ID: NA
 Sheet: 1 Of: 2
 Project Number: 61203-0113
 Chkd. By: EKS

Drilling Co.: Eastern Analytical, Inc. Boring Location: Three feet north of B-1
 Driller: Eastern Analytical, Inc. Top of PVC Riser Elevation: NA Datum:
 ENG.: Elizabeth Strachan Date Started: 10/10/16 Date Completed: 10/10/16

DRILLING METHOD		SAMPLER		GROUND WATER READINGS			
Vehicle:	Track Mounted	Type:	Split Spoon	DATE	DEPTH	REFERENCE	STABILIZATION
Model:	GeoProbe	Hammer(lb):	NA		NA		
Method:	Direct Push	Fall (in):	NA				

DEPTH (ft)	SAMPLE			WELL COMPLETION DETAIL	SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE
	NO.	RECOV. (in)	DEPTH (ft)					
		No Sample						
			1		Light brown, fine to medium SAND.		0.0	
			2					
			2					
			4					
	1	24/60	5		Light brown, fine to medium SAND.		0.0	
			6					
			7					
			8					
			9					
	2	24/60	10		Light brown, fine to medium SAND, damp. Brown, fine SAND and SILT.		0.0	
			11					
			12					
			13					
			14					
	3	12/60	15		Dark brown, fine to medium SAND, some GRAVEL.		0.0	
			16					
			17					
			18					
			19					

GRANULAR SOILS		COHESIVE SOILS		WELL CONSTRUCTION		INTERVAL	LEGEND
BLOWS/ft.	DENSITY	BLOWS/ft.	CONSISTENCY	MATERIAL	TYPE	FEET BGS	
0-4	V. LOOSE	<2	V. SOFT	Concrete		NA	
4-10	LOOSE	2-4	SOFT	Backfill		NA	
10-30	M. DENSE	4-8	M. STIFF	Grout		NA	
30-50	DENSE	8-15	STIFF	Bentonite		NA	
>50	V. DENSE	15-30	V. STIFF	Sandpack		NA	
		>30	HARD	Riser (PVC)		NA	
				Screen (0.01" Slot)		NA	

NOTES:
 1. Soil samples screened in field for Total Organic Vapors (TOV) using a photoionization detector.

		SOIL BORING/ WELL COMPLETION LOG			Boring No: B-2		Well ID: NA		
		Project: Concord Steam			Project Number: 61203-0113		2 Of: 2		
		Location: 123 Pleasant Street Concord, NH			Chkd. By: EKS				
Drilling Co.: Eastern Analytical, Inc.				Boring Location: Three feet north of B-1					
Driller: Eastern Analytical, Inc.				Top of PVC Riser Elevation: NA				Datum:	
ENG.: Elizabeth Strachan				Date Started: 10/10/16				Date Completed: 10/10/16	
DRILLING METHOD		SAMPLER		GROUND WATER READINGS					
Vehicle: Track Mounted		Type: Split Spoon		DATE	DEPTH	REFERENCE	STABILIZATION		
Model: GeoProbe		Hammer(lb): NA			NA				
Method: Direct Push		Fall (in): NA NA							
DEPTH (ft)	SAMPLE			WELL	SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE	
	NO.	RECOV. (in)	DEPTH (ft)	COMPLETION DETAIL					
	4	48/60	20		Light brown, fine to medium SAND, some GRAVEL, damp.		0.0		
			21						
			22						
			23						
			24		Same as above, tighter with depth.		0.1		
	5	60/60	25		Light brown, fine to coarse SAND and GRAVEL.		0.6		
			26						
			27		Black, oil saturated.				
			28						
			29		Light brown, fine to coarse SAND. Black, oil saturated.		0.6 5.1		
	6	36/60	30		Light brown, fine to coarse SAND and GRAVEL.		0.0		
			31						
			32						
			33		Black, oil saturated.				
			34		Light brown, fine to coarse SAND and Gravel, dry. Black, oil saturated.				
			35		Light brown, fine to medium SAND in tip of sampler.		0.3		
					end at 35 feet.				
GRANULAR SOILS		COHESIVE SOILS		WELL CONSTRUCTION		INTERVAL	LEGEND		
BLOWS/ft.	DENSITY	BLOWS/ft.	CONSISTENCY	MATERIAL	TYPE	FEET BGS			
0-4	V. LOOSE	<2	V. SOFT	Concrete		NA			
4-10	LOOSE	2-4	SOFT	Backfill		NA			
10-30	M. DENSE	4-8	M. STIFF	Grout		NA			
30-50	DENSE	8-15	STIFF	Bentonite		NA			
>50	V. DENSE	15-30	V. STIFF	Sandpack		NA			
		>30	HARD	Riser (PVC)		NA			
				Screen (0.01" Slot)		NA			
NOTES:									
1. Soil samples screened in field for Total Organic Vapors (TOV) using a photoionization detector.									

	SOIL BORING/ WELL COMPLETION LOG			Boring No: B-3	Well ID: NA				
	Project: Concord Steam			Sheet: 1	Of: 1				
	Location: 123 Pleasant Street			Project Number: 61203-0113					
	Concord, NH			Chkd. By: EKS					
Drilling Co.: Eastern Analytical, Inc.			Boring Location: West of tank						
Driller: Eastern Analytical, Inc.			Top of PVC Riser Elevation: NA		Datum:				
ENG.: Elizabeth Strachan			Date Started: 10/10/16		Date Completed: 10/10/16				
DRILLING METHOD		SAMPLER		GROUND WATER READINGS					
Vehicle:		Type: Split Spoon		DATE	DEPTH				
Model: Hand Boring		Hammer(lb): NA			NA				
Method: Direct Push		Fall (in): NA NA							
DEPTH (ft)	SAMPLE			WELL COMPLETION DETAIL	SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE	
	NO.	RECOV. (in)	DEPTH (ft)						BLOWS/6'
	1	22/24			Brown, medium SAND and Gravel. Black, oil saturated. Light brown, fine SAND, damp.		0.0		
			1						
	2	12/12	2			Orange brown, fine SAND and SILT.		0.0	
			3		Refusal at 3 feet.				
GRANULAR SOILS		COHESIVE SOILS		WELL CONSTRUCTION		INTERVAL	LEGEND		
BLOWS/ft.	DENSITY	BLOWS/ft.	CONSISTENCY	MATERIAL	TYPE	FEET BGS			
0-4	V. LOOSE	<2	V. SOFT	Concrete		NA	[Vertical Lines]		
4-10	LOOSE	2-4	SOFT	Backfill		NA	[Horizontal Lines]		
10-30	M. DENSE	4-8	M. STIFF	Grout		NA	[Cross-hatch]		
30-50	DENSE	8-15	STIFF	Bentonite		NA	[Stippled]		
>50	V. DENSE	15-30	V. STIFF	Sandpack		NA	[Dotted]		
		>30	HARD	Riser (PVC)		NA	[Horizontal Lines]		
				Screen (0.01" Slot)		NA	[Horizontal Lines]		
NOTES:									
1. Soil samples screened in field for Total Organic Vapors (TOV) using a photoionization detector.									



Appendix E

Elizabeth Strachan
NRC (NH)
709 Keith Ave.
Pembroke, NH 03275



Subject: Laboratory Report

Eastern Analytical, Inc. ID: 161437
Client Identification: Concord Steam
Date Received: 10/10/2016

Dear Ms. Strachan :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

- Solid samples are reported on a dry weight basis, unless otherwise noted
- < : "less than" followed by the reporting limit
- > : "greater than" followed by the reporting limit
- %R : % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,


Lorraine Olashaw, Lab Director

10.14.16
Date

6
of pages (excluding cover letter)



SAMPLE CONDITIONS PAGE

EAI ID#: 161437

Client: NRC (NH)

Client Designation: Concord Steam | 61203-0113

Temperature upon receipt (°C): 7.3

Received on ice or cold packs (Yes/No): Y

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
161437.01	B-2, 29ft	10/10/16	10/10/16	soil	93.6	Adheres to Sample Acceptance Policy
161437.02	B-4, S-1	10/10/16	10/10/16	soil	85.8	Adheres to Sample Acceptance Policy
161437.03	Trip Blank	10/10/16	10/10/16	soil	100.0	Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis. Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

- 1) EPA 600/4-79-020, 1983
- 2) Standard Methods for Examination of Water and Wastewater, 20th Edition, 1998 and 22nd Edition, 2012
- 3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- 4) Hach Water Analysis Handbook, 2nd edition, 1992



LABORATORY REPORT

EAI ID#: 161437

Client: NRC (NH)

Client Designation: Concord Steam | 61203-0113

Sample ID:	B-2, 29ft	B-4, S-1	Trip Blank
Lab Sample ID:	161437.01	161437.02	161437.03
Matrix:	soil	soil	soil
Date Sampled:	10/10/16	10/10/16	10/10/16
Date Received:	10/10/16	10/10/16	10/10/16
Units:	mg/kg	mg/kg	mg/kg
Date of Analysis:	10/12/16	10/12/16	10/12/16
Analyst:	BML	BML	BML
Method:	8260B	8260B	8260B
Dilution Factor:	1	1	1
Dichlorodifluoromethane	< 0.1	< 0.1	< 0.1
Chloromethane	< 0.1	< 0.1	< 0.1
Vinyl chloride	< 0.1	< 0.1	< 0.1
Bromomethane	< 0.1	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	< 0.1	< 0.1	< 0.1
Diethyl Ether	< 0.07	< 0.06	< 0.05
Acetone	< 3	< 2	< 2
1,1-Dichloroethene	< 0.07	< 0.06	< 0.05
tert-Butyl Alcohol (TBA)	< 3	< 2	< 2
Methylene chloride	< 0.1	< 0.1	< 0.1
Carbon disulfide	< 0.1	< 0.1	< 0.1
Methyl-t-butyl ether(MTBE)	< 0.1	< 0.1	< 0.1
Ethyl-t-butyl ether(ETBE)	< 0.1	< 0.1	< 0.1
Isopropyl ether(DIPE)	< 0.1	< 0.1	< 0.1
tert-amyl methyl ether(TAME)	< 0.1	< 0.1	< 0.1
trans-1,2-Dichloroethene	< 0.07	< 0.06	< 0.05
1,1-Dichloroethane	< 0.07	< 0.06	< 0.05
2,2-Dichloropropane	< 0.07	< 0.06	< 0.05
cis-1,2-Dichloroethene	< 0.07	< 0.06	< 0.05
2-Butanone(MEK)	< 0.7	< 0.6	< 0.5
Bromochloromethane	< 0.07	< 0.06	< 0.05
Tetrahydrofuran(THF)	< 0.7	< 0.6	< 0.5
Chloroform	< 0.07	< 0.06	< 0.05
1,1,1-Trichloroethane	< 0.07	< 0.06	< 0.05
Carbon tetrachloride	< 0.07	< 0.06	< 0.05
1,1-Dichloropropene	< 0.07	< 0.06	< 0.05
Benzene	< 0.07	< 0.06	< 0.05
1,2-Dichloroethane	< 0.07	< 0.06	< 0.05
Trichloroethene	< 0.07	< 0.06	< 0.05
1,2-Dichloropropane	< 0.07	< 0.06	< 0.05
Dibromomethane	< 0.07	< 0.06	< 0.05
Bromodichloromethane	< 0.07	< 0.06	< 0.05
1,4-Dioxane	< 4	< 4	< 3
4-Methyl-2-pentanone(MIBK)	< 0.7	< 0.6	< 0.5
cis-1,3-Dichloropropene	< 0.07	< 0.06	< 0.05
Toluene	< 0.07	< 0.06	< 0.05
trans-1,3-Dichloropropene	< 0.07	< 0.06	< 0.05
1,1,2-Trichloroethane	< 0.07	< 0.06	< 0.05
2-Hexanone	< 0.1	< 0.1	< 0.1
Tetrachloroethene	< 0.07	< 0.06	< 0.05
1,3-Dichloropropane	< 0.07	< 0.06	< 0.05
Dibromochloromethane	< 0.07	< 0.06	< 0.05
1,2-Dibromoethane(EDB)	< 0.07	< 0.06	< 0.05
Chlorobenzene	< 0.07	< 0.06	< 0.05
1,1,1,2-Tetrachloroethane	< 0.07	< 0.06	< 0.05
Ethylbenzene	0.70	0.16	< 0.05



LABORATORY REPORT

EAI ID#: 161437

Client: NRC (NH)

Client Designation: Concord Steam | 61203-0113

Sample ID:	B-2, 29ft	B-4, S-1	Trip Blank
Lab Sample ID:	161437.01	161437.02	161437.03
Matrix:	soil	soil	soil
Date Sampled:	10/10/16	10/10/16	10/10/16
Date Received:	10/10/16	10/10/16	10/10/16
Units:	mg/kg	mg/kg	mg/kg
Date of Analysis:	10/12/16	10/12/16	10/12/16
Analyst:	BML	BML	BML
Method:	8260B	8260B	8260B
Dilution Factor:	1	1	1
mp-Xylene	0.34	0.07	< 0.05
o-Xylene	< 0.07	< 0.06	< 0.05
Styrene	< 0.07	< 0.06	< 0.05
Bromoform	< 0.07	< 0.06	< 0.05
IsoPropylbenzene	0.19	0.10	< 0.05
Bromobenzene	< 0.07	< 0.06	< 0.05
1,1,2,2-Tetrachloroethane	< 0.07	< 0.06	< 0.05
1,2,3-Trichloropropane	< 0.07	< 0.06	< 0.05
n-Propylbenzene	0.77	0.16	< 0.05
2-Chlorotoluene	< 0.07	< 0.06	< 0.05
4-Chlorotoluene	< 0.07	< 0.06	< 0.05
1,3,5-Trimethylbenzene	0.19	0.07	< 0.05
tert-Butylbenzene	< 0.07	< 0.06	< 0.05
1,2,4-Trimethylbenzene	0.62	0.09	< 0.05
sec-Butylbenzene	0.33	0.12	< 0.05
1,3-Dichlorobenzene	< 0.07	0.08	< 0.05
p-Isopropyltoluene	0.16	< 0.06	< 0.05
1,4-Dichlorobenzene	< 0.07	0.12	< 0.05
1,2-Dichlorobenzene	< 0.07	0.16	< 0.05
n-Butylbenzene	1.8	0.29	< 0.05
1,2-Dibromo-3-chloropropane	< 0.07	< 0.06	< 0.05
1,3,5-Trichlorobenzene	< 0.07	< 0.06	< 0.05
1,2,4-Trichlorobenzene	< 0.07	< 0.06	< 0.05
Hexachlorobutadiene	< 0.07	< 0.06	< 0.05
Naphthalene	18	0.6	< 0.1
1,2,3-Trichlorobenzene	< 0.07	< 0.06	< 0.05
4-Bromofluorobenzene (surr)	100 %R	107 %R	92 %R
1,2-Dichlorobenzene-d4 (surr)	99 %R	93 %R	96 %R
Toluene-d8 (surr)	95 %R	96 %R	93 %R
1,2-Dichloroethane-d4 (surr)	92 %R	97 %R	93 %R

The value(s) for n-Butylbenzene may be elevated due to non-target interference.



LABORATORY REPORT

EAI ID#: 161437

Client: NRC (NH)

Client Designation: Concord Steam | 61203-0113

Sample ID:	B-2, 29ft	B-4, S-1
Lab Sample ID:	161437.01	161437.02
Matrix:	soil	soil
Date Sampled:	10/10/16	10/10/16
Date Received:	10/10/16	10/10/16
Units:	mg/kg	mg/kg
Date of Extraction/Prep:	10/10/16	10/10/16
Date of Analysis:	10/13/16	10/13/16
Analyst:	JMR	JMR
Method:	8270D	8270D
Dilution Factor:	105	102
Naphthalene	9	< 7
2-Methylnaphthalene	43	8.9
1-Methylnaphthalene	28	7.7
Acenaphthylene	< 7	< 7
Acenaphthene	< 7	< 7
Fluorene	8.5	< 7
Phenanthrene	38	13
Anthracene	< 7	< 7
Fluoranthene	7.2	16
Pyrene	29	29
Benzo[a]anthracene	19	9.7
Chrysene	36	16
Benzo[b]fluoranthene	7.5	< 7
Benzo[k]fluoranthene	< 7	< 7
Benzo[a]pyrene	14	8.5
Indeno[1,2,3-cd]pyrene	< 7	< 7
Dibenz[a,h]anthracene	< 7	< 7
Benzo[g,h,i]perylene	< 7	< 7
p-Terphenyl-D14 (surr)	72 %R	68 %R

Detection limits elevated due to sample matrix causing internal standard failure in undiluted analysis.



LABORATORY REPORT

EAI ID#: 161437

Client: NRC (NH)

Client Designation: **Concord Steam**

Sample ID:	B-2, 29ft	B-4, S-1
Lab Sample ID:	161437.01	161437.02
Matrix:	soil	soil
Date Sampled:	10/10/16	10/10/16
Date Received:	10/10/16	10/10/16
Units:	mg/kg	mg/kg
Date of Extraction/Prep:	10/10/16	10/10/16
Date of Analysis:	10/10/16	10/10/16
Analyst:	SL	SL
Method:	8015CDRO	8015CDRO
Dilution Factor:	105	102
DRO (Diesel Range C10-C28)	24000	26000
p-Terphenyl-D14 (surr)	DOR	DOR

DOR: Diluted out of range.

CHAIN-OF-CUSTODY RECORD

161437

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

SAMPLE I.D.	SAMPLING DATE/TIME <small>*IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME</small>	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC		SVOC		TCLP	METALS	INORGANICS			MICRO	OTHER	# OF CONTAINERS	NOTES MeOH VIAL #							
				5242 BTEX 5242 MTBE ONLY 624 VPIC 1,4 DIOXANE	8021B BTEX HALOS	8015R GRO NAPTH	8270D 625 STYIC EDB DBCP ABN A BR PAH	TPH8100 LI L2	8015B DBP MAEPH	PEST 608 PCB 608 PEST 8081A PCB 8082	OIL & GREASE 1664 TPH 1664	TCLP 1311 ABN METALS VOC PEST HERB	DISSOLVED METALS (LIST BELOW)	TOTAL METALS (LIST BELOW)			TS TSS TDS SPEC CON.	BR CI F SO4 NO3 NO2 NO3NO2	BOD CBOD T. ALK.	TIN NH3 T. PHOS. O. PHOS.	pH T. RES. CHLORINE	COD PHENOLS TOC DOC	TOTAL CYANIDE TOTAL SULFIDE
B-2, 29ft.	10/10 9:30	S		X		X	X									2							
B-4, S-1	10/10 11:15	S		X		X	X									2							
<p>MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER PRESERVATIVE: H-HCL; N-HNO3; S-H2SO4; Na-NAOH; M-MEOH</p>																							

PROJECT MANAGER: Elizabeth Strachan
 COMPANY: ENPRO
 ADDRESS: 709 Keith Ave
 CITY: Pembroke STATE: NH ZIP: _____
 PHONE: 603-498-5843 EXT.: _____
 FAX: _____
 E-MAIL: estrachan@nrcc.com
 SITE NAME: Concord Stem
 PROJECT #: ~~61203-0110~~ 61203-0113
 STATE: NH MA ME VT. OTHER: _____
 REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR
 GWP, OIL FUND, BROWNFIELD OR OTHER: _____
 QUOTE #: _____ PO #: 44854

DATE NEEDED: 7-10 days

QA/QC REPORTING LEVEL
 A B C
 OR
 PRESUMPTIVE CERTAINTY

REPORTING OPTIONS
 PRELIMS: YES OR NO
 IF YES: FAX OR PDF

ELECTRONIC OPTIONS
 NO FAX E-MAIL PDF EQUIS

TEMP: 7.3 °C
 ICE? YES NO

SAMPLER(S): Elizabeth K. Strachan
 RELINQUISHED BY: [Signature] DATE: 10/10/10 TIME: 11:50
 RELINQUISHED BY: [Signature] DATE: 10/10/10 TIME: 1400

METALS: 8 RCRA 13 PP Fe, Mn Pb, Cu
 OTHER METALS: _____
 SAMPLES FIELD FILTERED? YES NO
 NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

SITE HISTORY: _____
 SUSPECTED CONTAMINATION: _____
 FIELD READINGS: _____