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 <u>estrachan@ENPRO.com</u> 603-410-1150

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



TABLE OF CONTENTS

1.0	INTI	RODUCTION	1
2.0	SITE	E DESCRIPTION	1
3.0	BAC	KGROUND	1
4.0	CLO	SURE OF UST SYSTEM	2
	4.1	UST Closure	2
	4.2	Soil Sampling and Analysis	3
	4.3	Groundwater Sampling and Analysis	
5.0	CON	ICLUSIONS AND RECOMMENDATIONS	4

Figures

Figure 1 Site Location Map Figure 2 Site Plan

Tables

Table 1 Soil Sampling Results

Appendices

Appendix A UST Removal Photographs Appendix B Closure Notification Appendix C Disposal Documentation Appendix D Boring Logs Appendix E Laboratory Report

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

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.

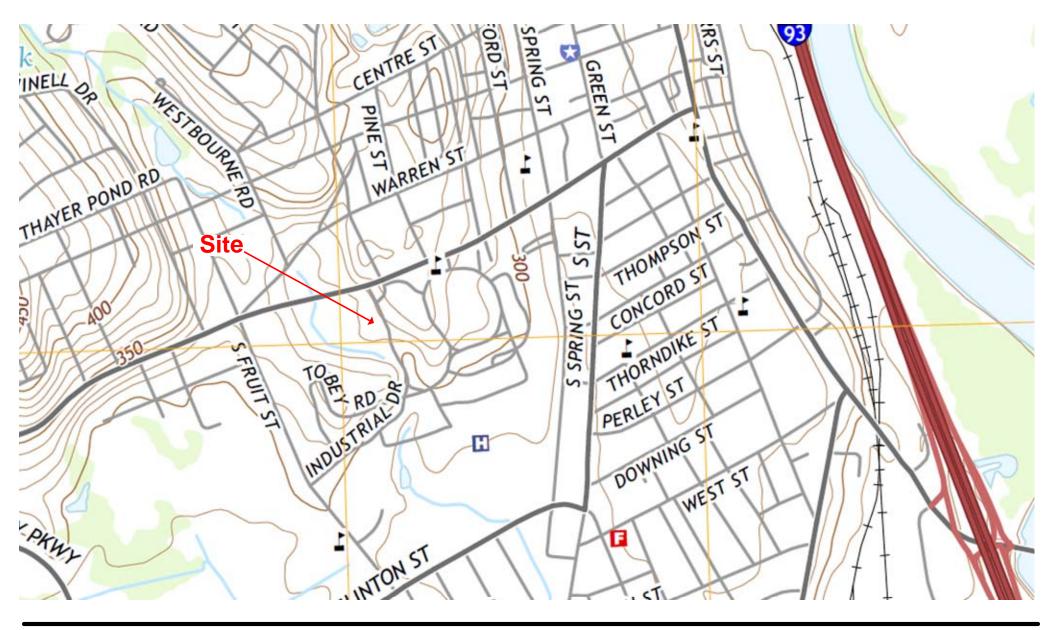
Discreet soil samples were collected from Boring B-2 at 29 feet bgs and Boring B-4 at 0-2 feet (B-2, 29ft and B-4, S-1 respectively). The samples were submitted under Chain-of-Custody to Eastern Analytical of Concord, NH and analyzed for volatile organic compounds (VOCs) by EPA Method 8260B, polycyclic 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.

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.



ENPRO An Environmental Services Company **Figure 1: Site Location Map**

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

Map Source: USGS Concord Quadrangle







Figure 2: Site Plan

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



		Table 1		
		Soil Sample Re	sults	
		Sample Location a	and Concentration	NHDES Standards (ug/g)
	Compound	B-2, 29ft.	B-4, S-1	
		10/10/2016	10/10/2016	Soil Remediation Standard
/OC	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-Butylebenzene	1.8	0.29	110
	naphthalene	18	0.6	5
АН	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
ΡН	Diesel Range Organics	24000	26000	10,000
lotes:			<u> </u>	
	VOC = volatile organic compo			
	PAH = polycyclic aromatic hyd			
	TPH = Total Petroleum Hydroc	carbons		

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 M	aking Notification			Initial:	EKS	
Name:	Elizabeth	K. Strachan		Date:	5/11/2	2016
Street	709 Kieth	Avenue		Telephone:	(603)	498-5843
City/Town:	Pembrok, N	H		Email:	estrach	nan@enpro.com
2. DES Site #	± 198608003	Facility ID # ⁰¹	13205			
Name:	Concord St	-eam Corn		Telephone:	(603)	224-1461
Street		ant Street				
City/Town:	Concord, 1	NH				
3. Owner Na	ame					
Name:	Concord St	-		Telephone:	(603) 2	224-1461
Street	PO Box 252	0				
City/Town:	Concord, 1	NH				
** L = Lec	aker Suspected R =	Select All That Apply) Removed F = Filled in Place	, ,		ii	
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Size	77000 g	Size77000	Size	Size		Size
Produc	t No. 6	Product <u>No.</u> 6	Product	Product		Product
Will ta	ank/piping be	Will tank/piping be	Will tank/piping be	Will tank/pipin	g be	Will tank/piping be
	d underground?	replaced underground?	replaced underground?	replaced undergr	-	replaced underground?
,	res No x	Yes No x	Yes No	Yes No		Yes No
5. Consultar	nt/Contractor:	ENPRO	ICC	C-U2 Certificate:	TBD	
6 Local Fire	Dept. Notified:					
Town:		Schedu	uled Closure Date:		Ma	ailed:
		Contact email	orcb.wmd@des.nh.gov and phone	(603) 271-3899		

PO Box 95, Concord, NH 03302-0095



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

John Cu

Sr. Hazardous Materials Coordinator NRC

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

attachment(s)

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1	UNIFORM HAZARDOUS WASTE MANIFEST N H D 9 9 9 9 9 9 9 9 9 9 8 1 800 966-1102 4. Manifest Tracking Number 003015982 G	3F
	5. Generator's Name and Mailing Address Concord Steam 123 Pleasant Street Concord NH 03301 Generator's Phone: 6 0 3 2 2 4 - 1 6 4 1	BF .
	6. Transporter 1 Company Name U.S. EPA ID Number	
	ENPRO SERVICES, INC.	
	7. Transporter 2 Company Name U.S. EPA ID Number	ŀ
	B. Designated Facility Name and Site Address U.S. EPA ID Number ENPRO SERVICES OF MAINE, INC. 106 MAIN STREET SOUTH PORTLAND ME 04106 - M E D 0 1 9 0 5 1 0 6 S	
	ga. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit	
	HM and Packing Group (if any)) No. Type Quantity WL/Vol.	
ATOR -	ISTATE REGULATED OIL WASTE 1/30 NHX1 Image: State Regulated Oil Waste 0 0 1 TT 855	
GENERATOR		
	3.	
	4.	
	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# 61203-01	
	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, package marked and fabeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export stripment 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 Signature Month Day SEE SEEDON 18 08 17-1	Year
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ANSPORTER	Transporter 1 Printed Typed Name Month Day 1 PUTGE Reynolds 19 Transporter 2 Prioted Dyped Name Month Day 108 17 Signature Month Day	Year 16 Year
TRA	Full Branchard 9/20 22	
	18. Discrepancy 18. Discrepancy 18. Discrepancy Indication Space Quantity Type Residue Partial Rejection	 >n
	SEETON 17! GENERATOR SIGNED UNDER TRANSPORTER #23 Manifest Reference Number:	
FACILITY	18b. Alternate Facility (or Generator) U.S. EPA ID Number	
E	18c. Signature of Allemale Facility (or Generator) Month Day	Year
DESIGNATED	S 10. Haverdeue Marte Beent Meuseemaan Method Sodos (in andre ferbaardeue verbe testande die eeste en die eeste ee	
JESI	In Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 4. In Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 4.	
	T141 1235-	
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous malerials covared by the manifest except as yield in Item 18a Printed/Typed Name Signature Wonth Day Noth Day Noth <td< td=""><td>Year Year</td></td<>	Year Year
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DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

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1 A 2 T A 2 A 4 A 4 A 4 A 4 A 4 A 4 A 4 A 4 A 4		6. Generator's Name and Malling Address Att: James Garlow Gene Concord Steam 123 Pleasant Street Concord NH 03301	rator's Sile Addres	s (If different t			Had C C	÷ •	
		Generator's Phone: 6 0 3 2 2 4 - 1 6 4 1 6. Transporter 1 Company Name Tradebe Transportation, LLC					181	688	89
3		7. Transporter 2 Company Name			U.S. EPA ID	Number			
		8. Designaled Facility Name and Site Address Tradebe Treatment & Recycling of Stoughton, LLC 441R Canton Street Stoughton MA 02072			U.S. EPA ID				
		Facility's Phone: 781 297-3530 ga, 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number,	10. Conta	Iners	MAD 11. Total	0 6 12. Unit	1		
-		HM and Packing Group (If any))	No.	Туре	Quanility	WI.Nol.		. Waste Cor	les
Pananas to Ma	AIUR	¹ STATE REGULATED OIL WASTE	001		INT	G	MA98		
キシーにあ		2.			nss_				
2)100		3.							
		4.							
		14. Special Handling Instructions and Additional Information 1)(L) Virgin #6 fuel oil and wate							
annanas bu		hazardous waste in NH PO # 43437 <u>DY 0-F1 Lot IF IOD0129739</u> 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable in Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment in the contents of this consignment conform to the terms of the attached EPA Acknowledgment in the terms of the attached EPA Acknowledgment is the terms of the terms of the attached EPA Acknowledgment is the terms of ter	ernational and nat nt of Consent.	ional governm	by the proper shi ental regulations,		2.67 RO JOB# e, and are cla lipment and l	61203- ssilled, pac	0113 kaged.
		'I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) of Generator 9/Offeror's Printed/Typed Name	, /	M.A.	2		Mo	nth Day	
">">"	:1	16. International Shipments Import to U.S. Export from U.S. Transporter signature (for exports only):	Port of en Date leavi	iry/e/ii:	O (m j	>50+	1) [[(
Ë		17. Transporter Acknowledgment of Receipt of Materials		1 A			Мој	ik Dav	Yeat
TR ANSPORT		GOAC ECCOMO Signalure	NML (-	βIJ	ICION	W	Mol	SIL	
	_	18. Discrepancy	· · · · · · · · · · · · · · · · · · ·						
		18a, Discrepancy Indication Space Quantity Type	Residue		Parlial Reje	cllon .		Full Rej	
FACILITY .	1	18b, Allernate Facility (or Generator)	lanifest Reference	Number:	U.S. EPA ID N	umber			
IATED FAC	F	Facility's Phone; 18c, Signature of Alternate Facility (or Generator)		<u></u>	1		Mo	nlh Day J	Year
DESIGNATED	1	9. Hezardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and re-	cycling systems)		4.			1	
		HÓCOI 0. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest axce	nt on well of the theory				=	·	
↓ EP/	P	0. Designated raciility owner or Operator. Certification of receipt of hazardous materials covered by the manifest acce rinted/Typed Name The Fani Signature Signature orm 8700-22 (Rev. 3-05) Previous editions are obsolete.	pi as noted in item	, (88 ,			Mai	lh Day	Year

DESIGNATED FACILITY TO DESTINATION STATE OF REOLIBEDI

RECYCLE OIL CO		an at a :	time.	USED (NIFEST
1600 South 25 th Stree Easton, PA 18042	t	Let te i		•	n-Hazard y I.D. No. lo. PAD 9	ous) 301288 80537666
Phone: 610-250-8747 Fax: 610-515-9918			Dat	te of Servi		
EMERGENCY RESPO	NSE 1-800-424	-930	0-CHEM	TREC		
COMPANY L			2.32.84	BILLIN	G ADDRE	ESS
CONCORD S	TEAN					
CONCORD S 123 PLEgsq	NT St				<u></u>	
CONCORD N	<u>H</u>					
Contact:		^o hon	e:		FAX:	
TIME OF SERVICE:	NEXT SE	RVIC	E:		TANK SIZE	
DESCRIPTION	START INCHES or LBS.		INCHES LBS.	NET VOLUME	UNIT PRICE	TOTAL
UŜED OIL (Not U.S. DOT/EPA Reg)	is not the second second		L		6	6000
USED ANTI-FREEZE (Not U.S. DOT/EPA Reg)						
OTHER	:					
OTHER						
Recycle Oil Company assumes responsibilit	y for the safe removal and disp	iosal of v	vaste fluids in acc	cordance with all Sta	te and Federal law	s. EPA ID No. PAD 980537666
Recycle Oil Compan	y Receivables	10 10	I her attached docu received by us (Hazardous w	reby certify that a uments are true a s is not a listed ha vaste from non-sp	Il information sund accurate. I al Izardous waste p ecific sources) t	r to acceptance and delivery) abmitted in this and all so attest any material oursuant to 40CFR 261 31 hrough 40CFR 261 33 e used oil has not been
Amount Received	P.O. #		mixed with a l hazardous wa	listed hazardous iste; has not beer	waste; has not b mixed with was	een derived from a ste that exhibits a characteristics; the
Date Received Recycle Oil Compa	Remarks iny Payables		resulting mixt	ture does not exh contain measura	ibit any hazardo ble quantities (>	us waste characteristic 2PPM) of Polychlorina-
Amount Paid	Check to be forwarded from the off	ice?	Signature	<u>Lafter</u>	Title	<u>8-8-10</u>
Check #	QYes QNo		Print Name	y		
		*****	Driver's Signa	ature	<u>aud</u>	
		T	han	Kyo	И	
		*****				15325

*

RECYCLE OIL CO Helping to keep the co 1600 South 25^{th} Stree Easton, PA 18042 Phone: 610-250-8747 Fax: 610-515-9918 EMERGENCY RESPOND COMPANY LE Con Cord S- 123 Pleasant	ountryside clea one drop t NSE 1-800-424 OCATION <u>feam</u> 5T	-930	Da 0-CHEM	USED ((Nor Facility EPA ID N te of Servi	n-Hazard y I.D. No. o. PAD 9 ice^	NIFEST ous) 301288 80537666 9 - / <u>(</u>
ConCord, N		~ 8.			FAV.	
Contact:						
DESCRIPTION USED OIL (Not U.S. DOT/EPA Reg) USED ANTI-FREEZE (Not U.S. DOT/EPA Reg) OTHER	START INCHES or LBS.		INCHES LBS.	NET VOLUME	UNIT PRICE	TOTAL
X OTHER (# Oil	:					1500
Recycle Oil Company assumes responsibilit	y for the safe removal and disr	iosal of w	aste fluids in acc	cordance with all Sta	te and Federal law	s. EPA ID No. PAD 980537666
Amount Received Date Received Recycle Oil Compa	To be Billed? Yes In P.O. # Remarks Iny Payables Check to be forwarded from the off Yes No	lo lce?	I her attached docu received by us (Hazardous w (Discarded co mixed with a- hazardous wa hazardous ch resulting mixt	reby certify that a uments are true and s is not a listed has aste from non-sp immercial chemic isted hazardous v site; has not been aracteristic other ure does not exhi- contain measurat (PCBs).	Il information sund accurate. I all zardous waste p ecific sources) t al products). Th waste; has not b mixed with was than ignitibility bit any hazardo	r to acceptance and delivery) abmitted in this and all so attest any material bursuant to 40CFR 261 31 through 40CFR 261 33 e used oil has not been been derived from a ste that exhibits a characteristics; the us waste characteristic 2PPM) of Polychlorina-
		*****			and a state of the	15



Appendix D

					RING/ WELL CO	OMPLETION LOG		Well ID: NA	<u></u>	
		NID					Sheet: 1		Of: 1	
	E	NP	RO	Project:	Concord Stean		Project Number: 61203-0113			
	_			Location:	123 Pleasant S	Street	Chkd. By: EKS			
					Concord, NH					
lling (Co.:	Eastern Ana	lyical, Inc.			Boring Location:	North of tank			
iller:		Eastern Ana	lvical. Inc.			Top of PVC Riser	Elevation: NA	Datum:		
NG.:		Elizabeth St	achan			Date Started:	10/10/16	Date Completed:	10/10/16	
	DRI	LING METH	מכ	SA	MPLER		GROUND WATE			
hicle:	210		lounted	Type:	Split Spoon	DATE	DEPTH	REFERENCE	STABILIZA	
del:		GeoF		Hammer(lb		BATE	NA	KEI EKENGE	OT/IDIEIZ/	////01
				Fall (in): NA			INA			
ethod:		Direct		Fall (In): INF				STRATUM		NC
PTH	10		AMPLE		WELL			STRATUM	FIELD	NO
(ft)	NO.	RECOV.	DEPTH	BLOWS/6"	COMPLETION		SAMPLE DESCRIPTION	DESCRIPTION	SCREENING	
		(in)	(ft)		DETAIL				(ppm)	
	1	24/60				Top soil.			0.0	
						Light brown, fine \$	SAND.			
			1							
Γ	_					Light brown, fine \$	SAND and GRAVEL.		0.0	1
ľ			2	T						1
ľ					1					1
ŀ			2	1	1					1
ŀ			_	1	1					1
ŀ			4	1	1					1
ŀ			Ŧ	1	1					1
ŀ	2	6/60	5	1	1	Light brown fing t	o coarse SAND and GRAVEL.		0.0	-
-	2	0/00	5		-	Light brown, nine t			0.0	
ŀ			6							
-			0							
			_							
-			7		-					
-										
			8							
			9							
	3	12/36	10			Ligth brown, fine t	to coarse SAND and GRAVEL.			
			11			Piece of filter fabr	ic		0.4	
						Light brown fine S	SAND and SILT, damp.		0.1	
Ī			12			0				
-						Refusal at 13 feet	t.			
F			13				-			
-			10							
ŀ										
ŀ					1					1
ŀ										1
ŀ					-					1
ļ					4					1
Ļ				l					1	1
_										
Γ									1	1
Ī				1						1
Ī										1
ľ					1					1
	GRA	NULAR SO	LS	COHE	SIVE SOILS		WELL CONSTRUCTION	INTERVAL	LEGE	ND
DWS/		DENSITY			CONSISTENCY	MATERIAL	ТҮРЕ	FEET BGS		
-4		V. LOOSE		<2	V. SOFT	Concrete		NA		
-10		LOOSE		2-4	SOFT	Backfill		NA		umittiti
-30		M. DENSE		4-8	M. STIFF	Grout		NA		
-50		DENSE		8-15	STIFF	Bentonite		NA		
		V. DENSE		15-30	V. STIFF	Sandpack		NA		
•50				>30	HARD	Riser (PVC)		NA	1	
.50				200		Screen (0.01" Slot)		NA		_

						OMPLETION LOG			04 0	
		NID		Destant	0		Sheet: 1		Of: 2	
	Ē	NP	KU	Project:	Concord Stear		Project Number: 61203-0113			
				Location:	123 Pleasant S	Street	Chkd. By: EKS			
					Concord, NH					
		Eastern Ana					Three feet north of B-1			
ller:		Eastern Ana				Top of PVC Riser		Datum:		
IG.:		Elizabeth Str	achan			Date Started:	10/10/16	Date Completed:	10/10/16	
	DRI	LLING METHO	DD	SA	AMPLER		GROUND WAT	ER READINGS	_	
nicle:		Track N	lounted	Type:	Split Spoon	DATE	DEPTH	REFERENCE	STABILIZ	ATIC
del:		GeoF	robe	Hammer(lb): NA		NA			
thod:		Direct	Push	Fall (in): NA	A NA					
PTH		SA	MPLE	WELL				STRATUM	FIELD	N
(ft)	NO.	RECOV.	DEPTH	BLOWS/6"	COMPLETION		SAMPLE DESCRIPTION	DESCRIPTION	SCREENING	
		(in)	(ft)		DETAIL				(ppm)	
		No Sample								
						Light brown, fine t	to medium SAND.			
ļ			1]				0.0	
					1				0.0	
ļ			2	1	1					1
				1	1					
ļ			2	1	1					
			-	1	1					
ŀ			4							
ľ	1	24/60	5			Light brown, fine t	to medium SAND.			
			-			5 ,				
			6		1					
			•							
			7							
				-					0.0	
			8		-					
			0							
			9		1					
			3							
	2	24/60	10		-	Light brown fine t	to medium SAND, damp.			-
	2	24/00	10			Light brown, nine i	to medium SAND, damp.			
			11		1	Brown, fine SAND				
						DIOWI, IIIE OANL				
			12		1					
			12						0.0	
			13							
			15							
		-	1.4		-					
			14	-	-					
	2	12/60	15		4	Dork brown fire - 1	to medium SAND, some GRAVEL		<u> </u>	4
	3	1∠/0U	15		4	Dark brown, line t	to medium SAND, Some GRAVEL			
			16		1					
			16		-					1
			47		4					1
			17		4				0.0	
			40		-					
			18		-					
			10		-					
			19		-					
	0.0		10	00115	SIVE SOILS		WELL CONSTRUCTION	INITEDVAL	1505	
		ANULAR SO	L9					INTERVAL	LEGE	UN.
DWS/	nt.	DENSITY			CONSISTENCY		TYPE	FEET BGS		
-4		V. LOOSE		<2	V. SOFT	Concrete		NA		ЩЩ
10		LOOSE		2-4	SOFT	Backfill		NA		
)-30		M. DENSE		4-8	M. STIFF	Grout		NA		
)-50		DENSE		8-15	STIFF	Bentonite		NA	_	
-50		V. DENSE		15-30	V. STIFF	Sandpack		NA	_	
				>30	HARD	Riser (PVC)		NA	1	
						Screen (0.01" Slot)		NA		

								2	Of: 2		
~~		NP		Project:	Concord Stear	n	Project Number: 61203-0113				
\sim				Location:	123 Pleasant S	Street	Chkd. By: EKS				
					Concord, NH						
illing	Co.:	Eastern Ana	lvical. Inc.			Boring Location:	Three feet north of B-1		-		
riller:		Eastern Ana				Top of PVC Riser		Datum:			
NG.:		Elizabeth St				Date Started:	10/10/16	Date Completed:	10/10/16		
-											
	DRI	LING METH	DD	S	MPLER		GROUND WATER R	ADINGS			
ehicle:			lounted	Type:	Split Spoon	DATE	DEPTH	STABILIZ			
odel:			Probe	Hammer(lb			NA	REFERENCE			
ethod:			Push	Fall (in): NA							
EPTH					WELL			STRATUM	FIELD	NO	
(ft)	NO.	RECOV.	DEPTH	BLOWS/6"	COMPLETION		SAMPLE DESCRIPTION	DESCRIPTION	SCREENING		
(11)	110.	(in)	(ft)	BEOMOIO	DETAIL			DECON. HON	(ppm)		
	4	48/60	20		DETAL	Light brown fine t	o medium SAND, some GRAVEL, dan	n	0.0		
	-	40/00	20			Light brown, nine t	o medium SAND, some OKAVEL, dan	ip.	0.0		
			21								
			21		-						
			22		1						
			22						1	1	
			66		-				1	1	
			23			0	Sala ta mandula da muta		.		
			<i>c</i> ·		-	Same as above, t	ignter with depth.		0.1		
			24						1	1	
									0.6	_	
	5 60/60 25				ight brown, fine to coarse SAND and GRAVEL.						
			26								
			27			Black, oil saturate	d.				
			28								
						Light brown, fine t	o coarse SAND.		0.6		
			29			Black, oil saturate	d.		5.1		
	6	36/60	30			Light brown, fine t	o coarse SAND and GRAVEL.		0.0		
			31								
			32								
			33			Black, oil saturate	d.				
						Light brown, fine t	o coarse SAND and Gravel, dry.				
			34			Black, oil saturate	d.				
						Light brown, fine t	o medium SAND in tip of sampler.		0.3		
			35			end at 35 feet.					
				1							
				1	1					1	
					1					1	
				1	1					1	
					-						
	CD /	NULAR SO	II S	CONE	SIVE SOILS		WELL CONSTRUCTION	INTERVAL	LEGE		
OWS/		DENSITY			CONSISTENCY	MATERIAL	TYPE	FEET BGS	LLGE		
0-4	rt.	V. LOOSE			V. SOFT		1116				
				<2 2-4	SOFT	Concrete		NA		umm	
-10		LOOSE				Backfill		NA	-		
0-30		M. DENSE		4-8	M. STIFF	Grout		NA			
0-50		DENSE		8-15	STIFF	Bentonite		NA			
>50		V. DENSE		15-30	V. STIFF	FF Sandpack NA					
				>30	HARD	Riser (PVC)		NA	+		
				1		Screen (0.01" Slot)		NA			

				SOIL BOI	RING/ WELL CO	OMPLETION LOG		VVe	ell ID: NA	<u> </u>	
							Sheet: 1			Of: 1	
	E	NP	RO		Concord Stear		Project Number: 61203-01	13			
				Location:	123 Pleasant S Concord, NH	Street	Chkd. By: EKS				
illing	Co.:	Eastern Ana	lyical, Inc.			Boring Location:	West of tank				
iller:		Eastern Ana	lyical, Inc.			Top of PVC Riser	Elevation: NA	Da	tum:		
IG.:		Elizabeth Str	rachan			Date Started:	10/10/16	Da	te Completed:	10/10/16	
				1							
hicle:	DRI	LLING METHO	DD	SA Type:	MPLER Split Spoon	DATE	DEPTH	WATER READINGS	REFERENCE	STABILIZ	A TIO
del:		Hand E	Porring	Hammer(lb)		DATE	NA		REFERENCE	STABILIZ	AHO
thod:		Direct	-	Fall (in): NA			NA				
PTH				1 ali (11). 11/-	WELL				STRATUM	FIELD	NC
(ft)	NO.	RECOV.	DEPTH	BLOWS/6"	COMPLETION		SAMPLE DESCRIPTION		DESCRIPTION	SCREENING	
(11)	NO.	(in)	(ft)	DLOW0/0	DETAIL		CAMPEL DECORT HON			(ppm)	
	1	22/24	(it)			Brown, medium S	AND and Gravel			(ppili)	
		22/24				Black, oil saturate					
			1			Light brown, fine				0.0	
			I			Light brown, nine -	SAND, damp.				
	2	12/12	2	+	1	Orange brown fir	he SAND and SILT.			0.0	1
	2	12/12	۷	+	1	Grange brown, Ilf	IE OMIND ANU OILT.			0.0	1
			3			Refusal at 3 feet.					┢
			3	+		ivelusal at 3 leet.					1
				-							
											1
				+	1						1
				+							1
				+	1						1
											1
				-	1						1
				+							1
				+							1
											1
											1
											1
	<u> </u>										
		ANULAR SO	ILS		SIVE SOILS		WELL CONSTRUCTION		INTERVAL	LEGE	ND
DWS/	'ft.	DENSITY			CONSISTENCY		TYPE		FEET BGS		
)-4		V. LOOSE		<2	V. SOFT	Concrete			NA		
-10		LOOSE		2-4	SOFT	Backfill			NA		
)-30		M. DENSE		4-8	M. STIFF	Grout			NA		
)-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		
											_

				SOIL BOR	RING/ WELL CO	OMPLETION LOG			Well ID: NA		
							Sheet: 1			Of: 1	
\sim		NP	RO		Concord Stean		Project Number: 61203-	-0113			
				Location:	123 Pleasant S Concord, NH	Street	Chkd. By: EKS				
illing	Co.:	Eastern Ana	lyical, Inc.			Boring Location:	West of tank				
iller:		Eastern Ana				Top of PVC Riser	Elevation: NA		Datum:		
NG.:		Elizabeth St				Date Started:	10/10/16		Date Completed:	10/10/16	
h falai	DRI	LLING METH	DD	1	MPLER Split Spoon	2.175		JND WATER READIN			
hicle:		المعطا) a unita a	Type: Hammer(lb)		DATE	DEPT		REFERENCE	STABILIZA	ATIO
del:		Hand I Direct	-	Fall (in): NA			NA				
ethod:				Fall (III). NA	WELL				STRATUM	FIELD	NC
(ft)	NO.	RECOV.	DEPTH	RI OWS/6"	COMPLETION		SAMPLE DESCRIPTION		DESCRIPTION	SCREENING	
(11)	NO.		(ft)	BLOW 3/0	DETAIL		SAMPLE DESCRIPTION		DESCRIPTION		
	1	(in) 18/24	(II)			Brown, medium S	AND and Gravel			(ppm)	
		10/24				Black, oil saturate					
			1			Light brown, fine \$				19.0	
			1			Light brown, nine s	SAND, uamp.				
	2	24/24	2		1	Light brown, fine t			-	<u> </u>	-
	2	24/24	2		1	•					1
			0			Black, oil saturate	u.				1
			3								
			4			Refusal at 4 feet,.			+	+	+
			4			Refusal at 4 leet,.					
				-							
											1
											1
											1
]						1
											1
]						1
											1
]						1
											1
											L
	GR	ANULAR SO	LS	COHE	SIVE SOILS		WELL CONSTRUCTIO	N	INTERVAL	LEGE	ND
OWS/	′ft.	DENSITY		BLOWS/ft.	CONSISTENCY	MATERIAL	TYPE		FEET BGS	L	
)-4		V. LOOSE		<2	V. SOFT	Concrete			NA		
-10		LOOSE		2-4	SOFT	Backfill			NA		
)-30		M. DENSE		4-8	M. STIFF	Grout			NA		
)-50		DENSE		8-15	STIFF	Bentonite			NA		
-50		V. DENSE		15-30	V. STIFF	Sandpack			NA		
				>30	HARD	Riser (PVC)			NA		
				1		Screen (0.01" Slot)			NA		



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

____(*b*.14.16 Date



SAMPLE CONDITIONS PAGE

EAI ID#: 161437

Client: NRC (NH)

Client Designation: Concord Steam | 61203-0113

•	ture upon receipt (°C): temperature range (°C): 0-6	7.3		Re	eceived	on ice or cold packs (Yes/No): Υ
Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix		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 Eastern Analytical, Inc.

www.eailabs.com | 800.287.0525 | customerservice@eailabs.com

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 Vinyl chloride	< 0.1 < 0.1	< 0.1 < 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 < 0.1	< 0.1 < 0.1
Methyl-t-butyl ether(MTBE) 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 < 0.07	< 0.6 < 0.06	< 0.5 < 0.05
Bromochloromethane Tetrahydrofuran(THF)	< 0.07	< 0.6	< 0.05
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 1,2-Dichloropropane	< 0.07 < 0.07	< 0.06 < 0.06	< 0.05 < 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 < 0.05
trans-1,3-Dichloropropene 1,1,2-Trichloroethane	< 0.07 < 0.07	< 0.06 < 0.06	< 0.05
2-Hexanone	< 0.07	< 0.1	< 0.03
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
	< 0.07	< 0.06	< 0.05
1,1,1,2-Tetrachloroethane	< 0.07	< 0.06 > 0.16	< 0.05 < 0.05
Ethylbenzene	0.70	0.10	~ 0.05

Eastern Analytical, Inc.

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
			0.05
mp-Xylene o-Xylene	0.34 < 0.07	0.07 < 0.06	< 0.05 < 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 2-Chlorotoluene	0.77 < 0.07	0.16 < 0.06	< 0.05 < 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-lsopropyltoluene 1,4-Dichlorobenzene	0.16 < 0.07	< 0.06 > 0.12	< 0.05 < 0.05
1,2-Dichlorobenzene	< 0.07	0.12	< 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 4-Bromofluorobenzene (surr)	< 0.07 100 %R	< 0.06 107 %R	< 0.05 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.

EAI ID#: 161437

Client: NRC (NH)

Client Designation: Concord Steam | 61203-0113

LABORATORY REPORT

Sample ID:	B-2, 29ft	B-4, S-1
	101407.01	461427.00
Lab Sample ID: Matrix:	161437.01 soil	161437.02 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 Fluorene	< 7 8.5	< 7 < 7
Phenanthrene	ە.ت 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 < 7	8.5 < 7
Indeno[1,2,3-cd]pyrene Dibenz[a,h]anthracene	< 7 < 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.

4

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) p-Terphenyl-D14 (surr)	24000 DOR	26000 DOR

DOR: Diluted out of range.

Page _____ of ____

CHAIN-OF-CUSTODY RECORD

161437

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

					νC	C		i.	S\	/0	C		TCLP	Met	TALS			NO	RG	AN	IIC	S		Mic	CRO	От	ΉE	R		
SAMPLE I.D. B-2, 29.Ft.	Sampling Date / Time *If Composite, Indicate Both Start & Finish Date / Time	V MATRIX (SEE BELOW)	GRAB/*COMPOSITE	524.2 524.2 BTEX 524.2 MTBE ONLY	1, 4 DIOXANE	8021B BTEX HALOS	8015B GRO MAVPH	ABN A BN PAH	TPH8100 L1 L2	X RULEB DROY 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 TDS SPEC. CON.	BR CI F 504 NO2 NO3 NO3NO2	BOD CBOD T. ALK.	TKN NH3 T. PHOS. O. PHOS.	pH T. RES. CHLORINE	COD PHENOLS TOC DOC	Total Cvanide Total Sulfide	REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	TOTAL COLIFORM E. COLI FECAL COLIFORM	Enterococci Hetenotrophic Plate Count				Z # OF CONTAINERS	Notes MeOH Vial #
B-4,5-1	10/10 11:15	S			×			Y		*																			2	
Matrix: Ä-Air; S-Soil; GW-Ground Water WW-Waste water	k; SW-Surface Water; DW-Drin	KING V	/ATER;																											
PRESERVATIVE: H-HCL; N-HNO ₃ ; S-H ₂ SO ₄ ; N																			<u> </u>			l								
PROJECT MANAGER: <u>Elizab</u> , Company: <u>ENPRO</u> Address: <u>709 Kiehh A</u> City: <u>Peymbroke</u> PHONE: <u>603-498-53</u>						QA	/QC PORT	ING		L	7-1 c		Repo Prelim If Yes:	DRTIN IS: YES : FAX : TRON	I G O I S OR OR F	PTIOI No PDF	NS			7. 1			Oth Sai	er Met. M ple s	ALS: 5 Fie i		TERE	D? [JY	, MN PB, CU Y <mark>es No</mark> Info, If Different)
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