70 W. Madison Street, Suite 1400 A
Chicago, Illinois 60602
312-214-6144

UST Removal & Closure Report

At

Mr. John Doe – 1234 Main Street, Chicago, Illinois

By

CHICAGO TANK REMOVAL INC.

CTR

70 W. Madison Street Ste 1400A
Chicago, IL 60602

312-214-6144

www.chicagotankremoval.com

70 W. Madison Street, Suite 1400 A
Chicago, Illinois 60602
312-214-6144

TABLE OF CONTENTS

TABLES

LIST OF APPENDICES

70 W. Madison Street, Suite 1400 A
Chicago, Illinois 60602
312-214-6144

A. SITE IDENTIFICATION

Site Name: Mr. John Doe
Site Address: 1234 Main Street
City: Chicago County: Cook State: Illinois Zip: 61234

B. UST IDENTIFICATION

UST Number	UST Type	Size of UST (Gallons)	Product	Permit	Release
1	Single Walled Steel	1,000	Heating Oil	Yes	Yes

C. PROJECT NARRATIVE

On November 6, 2012, Chicago Tank Removal , of Chicago, Illinois removed one 1,000-gallon steel, heating oil containing underground storage tank (UST) from the residential property located at 1234 Main Street, Chicago, Cook County, Illinois (subject property) (**Appendix A**). UST removal activities were conducted by CTR in accordance with Title 41, Part 170.670 under Illinois Office of the State Fire Marshal (OSFM) and Illinois Environmental Protection Agency (IEPA) guidelines and regulations and under City of Chicago Enforcement and Compliance Division permit #USTREM12345 (**Appendix B**).

The day began with a meeting between all workers and discussion of an Occupational Safety and Health Administration 29CRF1910.120 where a Site Specific Health & Safety Plan was discussed.

On November 6, 2012, prior to the tank removal, Future Environmental, Inc. (Future), of Mokena, Illinois, removed all the liquids from the interior of the UST. Future pumped out and properly disposed of approximately 300-gallons of residual product (water and gasoline and/or heating oil mixture) from the UST. A copy of the liquid disposal manifest can be found in **Appendix C**.

Subsequently, the tank was vented of explosive vapors until a reading on a Combustible Gas Indicator (CGI) indicated a lower explosive limit (LEL) below the 5% safety objective. At that point, the tank could safely be removed. The tank was then attached to a backhoe, exhumed from the ground, and staged immediately adjacent to the excavation zone where it was visually inspected for breaches by the City of Chicago inspector. The UST was in poor condition, several corrosion holes were observed in the UST. As a result, the inspector determined that a release had occurred from the USTs and required that an incident number be obtained for the release.

70 W. Madison Street, Suite 1400 A
Chicago, Illinois 60602
312-214-6144

The tank was cleaned, rendered unfit for re-use, and transported by CTR to JKS Industries, in Melrose Park, Illinois for recycling in accordance with Title 41, Section 170.670(c). A copy of the UST certificate of disposal is included in **Appendix D**.

On November 6, 2012, CTR removed approximately 15 cubic yards (yds^3) of heating impacted soil from the subject property and disposed of it at Veolia ES Zion Landfill (Veolia) in Zion, Illinois. The excavation was then backfilled to grade with approximately 10 yds^3 of pulverized topsoil. A copy of soil removal ticket is provided in **Appendix E**.

Following the removal of the UST and soil excavation, two (2) soil samples were collected from the floor of the former UST excavation, from the bottom of each end of the UST. Soil samples were placed in appropriate sampling containers, placed into a cooler filled with ice and relinquished to under proper chain-of custody procedures to Envision Laboratories, Inc. (Envision) of Indianapolis, Indiana for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and polynuclear aromatic compounds (PNAs) analysis according to United States Environmental Protection Agency (USEPA) Methods 5035/8260B and 8270SIM, respectively.

CTR compared the soil concentrations to the IEPA's Tiered Approach to Corrective Action Objectives (TACO) Document, dated June 1998 (revised February 2007), Tier 1 Soil Remediation Objectives (SROs) for residential properties; 35 IAC 742, Appendix B, Table A. None of the soil samples collected contained contaminants of concern (COCs) above the Tier 1 SROs for residential properties. The soil analytical report is included as **Appendix F** and presented on **Tables 1** and **2**. Site photographs are provided in **Appendix G**.

D. CONCLUSION

On November 6, 2012, CTR, of Chicago, Illinois removed one 1,000-gallon steel, heating oil containing UST from the residential property located at 1234 Main Street, Chicago, Cook County, Illinois under City of Chicago Enforcement and Compliance Division permit #USTREM12345.

Prior to the tank removal, Future removed all the liquids from the interior of the UST. Future pumped out and properly disposed of approximately 300-gallons of residual product (water and gasoline and/or heating oil mixture) from the UST. Subsequently, the tank was vented of explosive vapors until a reading on a CGI indicated a LEL below the 5% safety objective. At that point, the tank could safely be removed. The tank was then attached to a backhoe, exhumed from the ground, and staged immediately adjacent to the excavation zone where it was visually inspected for breaches by the City of Chicago inspector. The UST was in poor condition, several corrosion holes were observed in the UST.

70 W. Madison Street, Suite 1400 A
Chicago, Illinois 60602
312-214-6144

As a result, the inspector determined that a release had occurred from the USTs and required that an incident number be obtained for the release. The tank was cleaned, rendered unfit for re-use, and transported by CTR to JKS Industries, in Melrose Park, Illinois for recycling in accordance with Title 41, Section 170.670(c).

On November 6, 2012, CTR removed approximately 15 yds^3 of heating impacted soil from the subject property and disposed of it at Veolia in Zion, Illinois. The excavation was then backfilled to grade with approximately 10 yds^3 of pulverized topsoil.

Following the removal of the UST and soil excavation, two (2) soil samples were collected from the floor of the former UST excavation, from the bottom of each end of the UST. Soil samples were submitted to Envision for BTEX and PNAs analysis according to USEPA Methods 5035/8260B and 8270SIM, respectively. None of the soil samples collected contained COCs above the Tier 1 SROs for residential properties.

Please note that residential heating oil tanks (that is, tanks used to store heating oil for consumptive use on the premises where stored and which serve a residential unit) are not, by definition, USTs and, therefore, are not subject to the Leaking UST Program regulations. As a result, pursuant to Section 57.1(b) of the Environmental Protection Act, a Heating Oil UST Election form should be submitted to the Illinois Environmental Protection Agency requesting not to proceed in accordance with the Leaking UST program.

If you have any questions or need any additional information please contact the undersigned at (630) 799-8192.

Respectfully,

David L. Streich

70 W. Madison Street, Suite 1400 A
Chicago, Illinois 60602
312-214-6144

TABLES

Table 1

SOIL ANALYTICAL DATA

Mr. John Doe
1234 Main Street
Chicago, IL

Tier 1 Soil Cleanup Objectives for Residential Properties			Benzene	Toluene	Ethylbenzene	Xylene
Ingestion - residential			12	16,000	7,800	16,000
Ingestion - construction worker			2,300	410,000	20,000	41,000
Inhalation - residential			0.8	650	400	320
Inhalation - construction worker			2.2	42	58	5.6
Soil Component of Groundwater (Class I)			0.03	12	13	150
Soil Saturation Limit			870	650	400	410
Soil Sample Location	**Date**	**Depth (ft)**				
1	11/06/2012	7	<0.008	<0.008	<0.008	<0.016
2	11/06/2012	7	<0.006	<0.006	<0.006	<0.012

mg/kg = milligrams per kilogram or parts per million

<# = Not detected above analytical method detection limit

Table 2

SOIL ANALYTICAL DATA - PNAs

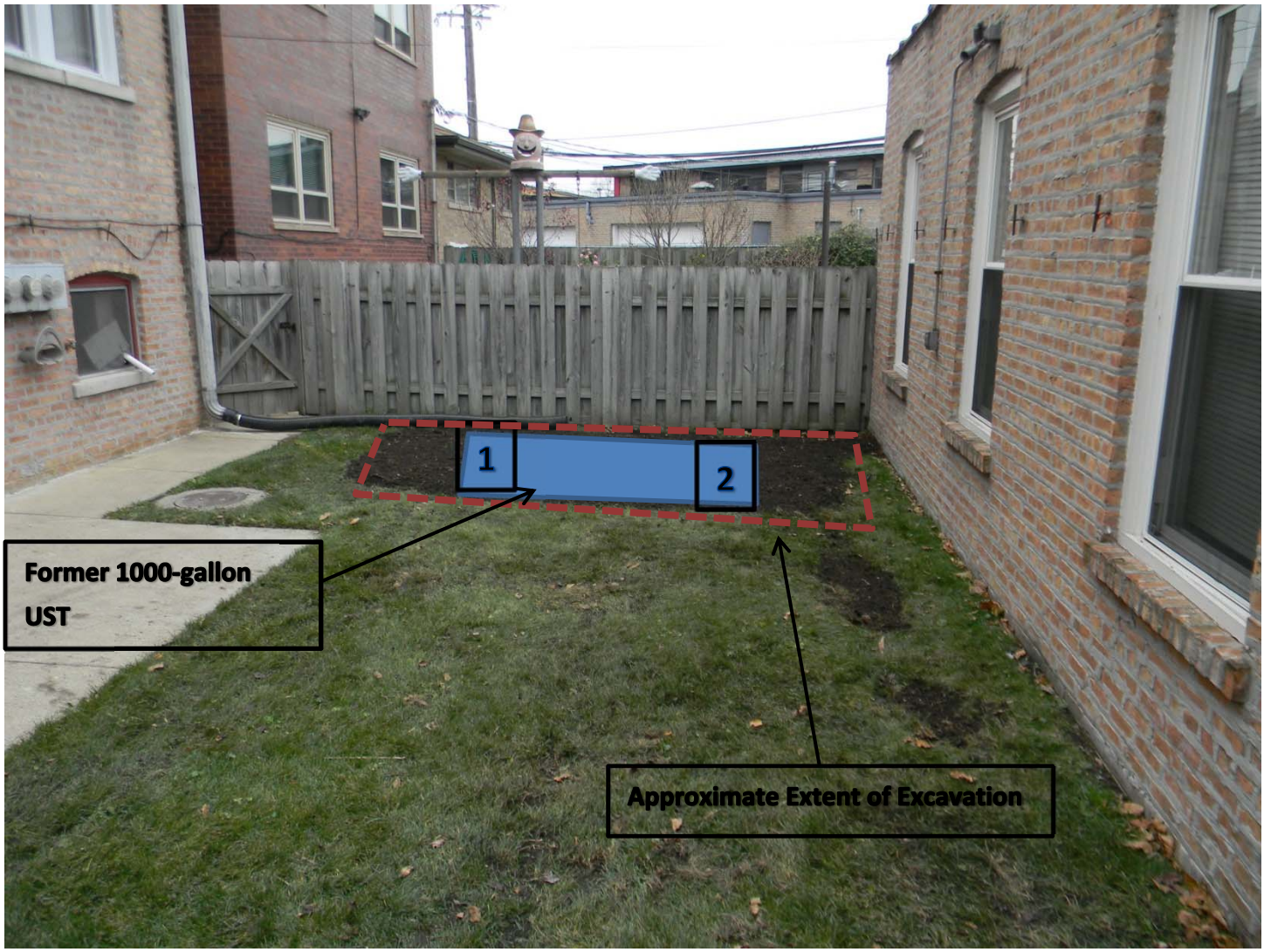
Mr. John Doe
1234 Main Street
Chicago, IL

Tier 1 - PNA Soil Cleanup Objectives			Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benzo (a) anthracene (mg/kg)	Benzo (a) pyrene (mg/kg)	Benzo (b) fluoranthene (mg/kg)	Benzo (g,h,i) perylene (mg/kg)	Benzo (k) fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo (a,h) anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3-cd) pyrene (mg/kg)	Naphthalene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)
Ingestion - residential			4,700	2,300	23,000	0.9	0.09	0.9	2,300	9	88	0.09	3,100	3,100	0.9	1,600	2,300	2,300
Ingestion - construction worker			120,000	61,000	610,000	170	17	170	61,000	1,700	17,000	17	82,000	82,000	170	4,100	61,000	61,000
Inhalation - residential			--	--	--	--	--	--	--	--	--	--	--	--	--	170	--	--
Inhalation - construction worker			--	--	--	--	--	--	--	--	--	--	--	--	--	1.8	--	--
Background within Metropolitan Statistical Area			0.13	0.07	0.40	1.8	2.1	2.1	1.7	1.7	2.7	0.42	4.1	0.18	1.6	0.20	2.5	1.9
Soil Sample Location	**Date**	**Depth (ft)**																
1	11/06/2012	7	<0.052	<0.052	<0.052	0.055	<0.052	0.124	<0.052	<0.052	0.055	<0.052	0.136	<0.052	<0.052	<0.052	0.067	0.097
2	11/06/2012	7	<0.040	<0.040	<0.040	0.115	0.076	0.222	<0.040	<0.040	0.08	<0.040	0.196	<0.040	<0.040	0.07	0.129	0.161

mg/kg = milligrams per kilogram or parts per million
-- = no toxicity criteria available for the route of exposure
<# = Not detected above the method detection limit indicated

70 W. Madison Street, Suite 1400 A
Chicago, Illinois 60602
312-214-6144

APPENDIX A



70 W. Madison Street, Suite 1400 A
Chicago, Illinois 60602
312-214-6144

APPENDIX B

UNDERGROUND STORAGE TANK PERMIT

Permit #

CITY OF CHICAGO

ENFORCEMENT AND COMPLIANCE DIVISION
33 NORTH LASALLE STREET LOWER LEVEL - 120

Contractor (Name & Address)	Facility (Name & Address)
Underground Storage Tank Specialists 3333 Warrenville Rd. Ste. 221 Lisle, IL 60532	3 Flat Residencial Building

Type of Permit: DOE UST Removal

Work Type:

Effective Date: 10/26/12

Expiration Date: 04/26/2013

Fee: $200.00

Tank ID	Tank Product	Capacity (In Gallons)	Material
1	Heating Oi	1,000	

Comments: Pre- 74 Heating Oil

PURSUANT to the Illinois Revised Statutes, Chapter 127 1/2, Paragraph 9, and the City of Chicago-State of Illinois Delegation Agreement, PERMISSION is herby granted to remove, install, abandon-inplace, repair (including upgrade), or temporarily close underground storage tank(s) or system(s). This permit may be revoked at any time. Permit is not transferrable, nor does it constitute a waiver of liability for responsibilities under Federal, State or Municipal laws or regulations. The DISPLAY COPY of this permit is required to be present at the site while any work is in progress.

CHIEF ENGINEER, UST/LUST SECTION

70 W. Madison Street, Suite 1400 A
Chicago, Illinois 60602
312-214-6144

APPENDIX C

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
			800-424-9300	010480660 JJK

GENERATOR

5. Generator's Name and Mailing Address: VSTS

Generator's Site Address (if different than mailing address)

Generator's Phone: SITE PHONE # - -

6. Transporter 1 Company Name: FUTURE ENVIRONMENTAL INC — U.S. EPA ID Number: I.L.D.9.8.4.8.3.1.3.9.6.

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: FUTURE ENVIRONMENTAL, 19701 S. 97TH AVE, MOKENA, IL 60448 — U.S. EPA ID Number: I.L.D.9.8.4.8.3.1.3.9.6.

Facility's Phone: (708) 479-6900

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON-HAZARDOUS, NON-REGULATED BY DOT (USED OIL	001	TT	300	G	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

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 — Signature — Month 11 Day 06 Year 12

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month 11 Day 06 Year 12

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ 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) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	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 — Signature — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

70 W. Madison Street, Suite 1400 A
Chicago, Illinois 60602
312-214-6144

APPENDIX D

CHICAGO TANK REMOVAL INC.

70 W. Madison Street Ste 1400A
Chicago, IL 60602

312-214-6144

Underground Storage Tank (UST) Certificate of Destruction

November 6, 2012

Re: Underground Storage Tank (UST) Certificate of Destruction

1. This letter is to certify that CTR transported (1) 1000 heating oil UST from [redacted] in Chicago, Illinois to JKS Ventures 3800 W. Lake Street Melrose Park, IL where the UST was destroyed.

Driver Rob Erickson, _____ CTR
Print Name Sign

James Dean, _____ JKS Ventures
Print Name Sign

(This form to be signed by driver and by JKS Ventures. Then it is to be faxed to David Streich's attention at CTR 630-799-8101.)

70 W. Madison Street, Suite 1400 A
Chicago, Illinois 60602
312-214-6144

APPENDIX E

VEOLIA
ENVIRONMENTAL SERVICES

CERTIFIED NON-SPECIAL WASTE MANIFEST

No. 153601

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: [redacted] b. Generating Location: Same

c. Address: [redacted] d. Address: "

Chicago, IL "

e. Phone No.: [redacted] f. Phone No.:

If owner of the generating facility differs from the generator, provide:

g. Owner's Name:

h. Owner's Phone No.:

i. Waste Profile No.: [redacted]

j. Description of Waste: Soil Contaminated w/Heating Oil

	Quantity	Units	TYPE
k. Quantity — Ld 1	15	Y	T
Quantity — Ld 2			
Quantity — Ld 3			
Quantity — Ld 4			

TYPE: D - DRUM; T - TRUCK; O - OTHER
UNITS: Y - YARDS; O - OTHER

*GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

TOTAL VOLUME: 15

David Strain — Generator Authorized Agent Name; [signature] — Signature; 11/06/12 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g; Transporter II complete h-n)

TRANSPORTER I

a. Name: Chicago Tank Removal

b. Address: 70 W. Madison Street 14th

Chicago, IL 60620

c. Driver Name/Title: Kevin Mitchell

d. Phone No.: 3122146144 (PRINT/TYPE) e. Truck No.: 6

f. Vehicle License No./State: IL 6359 N

Acknowledgement of Receipt of Materials.

g. [signature] — Driver Signature; 11/06/12 — Shipment Date

TRANSPORTER II

h. Name:

i. Address:

j. Driver Name/Title:

k. Phone No.: (PRINT/TYPE) l. Truck No.:

m. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

n. Driver Signature; Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: Veolia ES Zion Landfill, Inc. c. Phone No.: 847-623-3870

b. Physical Address: 701 Green Bay Rd. d. Mailing Address: SAME

Zion, IL 60099

e. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. [signature] — Name of Authorized Agent; [signature] — Signature; 11/6/12 — Receipt Date

* Shipper refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

WHITE - Destination Retain | CANARY - Return to Generator | PINK - Transporter Retain | GOLD - Generator Retain

70 W. Madison Street, Suite 1400 A
Chicago, Illinois 60602
312-214-6144

APPENDIX F

ENVision Laboratories, Inc.
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

Mr. David Streich
UST Specialists, Inc.
445 Warrenville Road, Suite 211
Lisle, IL 60532

November 8, 2012

ENVision Project Number: 2012-2955
Client Project Name: Deme

Dear Mr. Streich,

Please find the attached analytical report for the samples received November 7, 2012. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

The reference for the preservation technique utilized by ENVision Laboratories for Volatile Organics in soil may be found on Table A.1 (p. 42) of Method 5035A: Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples, July 2002, Draft Revision 1.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. ENVision Laboratories looks forward to working with you on your next project.

Yours Sincerely,

Cheryl A. Crum

Director of Project Management
ENVision Laboratories, Inc.

PA DEP Lab Code: 68-04846 NELAP Cert:002
IL ELAP / NELAC Accreditation # 200071

ENVision Laboratories, Inc.
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

Analytical Report

Client Name: USTS

Project ID: DEME

Client Project Manager: DAVID STREICH

ENVision Project Number: 2012-2955

Analytical Method: 8260
Prep Method: 5035A
Analytical Batch: 110612V

Client Sample ID: 1
Envision Sample Number: 12-23751
Sample Matrix: soil

Sample Collection Date/Time: 11/6/12 11:00
Sample Received Date/Time: 11/7/12 7:50

Compounds	Sample Results (ug/kg)	Rep. Limit (ug/kg)	Flags
Benzene	< 8	8	
Toluene	< 8	8	
Ethylbenzene	< 8	8	
Xylene, M&P	< 8	8	
Xylene, 0rtho	< 8	8	
Xylene, Total	< 16	16	

Dibromofluoromethane (surrogate)	106%
1,2-Dichloroethane-d4 (surrogate)	94%
Toluene-d8 (surrogate)	94%
4-bromofluorobenzene (surrogate)	83%
Analysis Date/Time:	11-07-12/10:22
Analyst Initials	tjg

Percent Solids: 64%

All results reported on dry weight basis.

ENVision Laboratories, Inc.
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

Analytical Report

Client Name: USTS

Project ID: DEME

Client Project Manager: DAVID STREICH

ENVision Project Number: 2012-2955

Analytical Method: 8270 PAH-SIM
Prep Method: 3550B
Analytical Batch: 110712PSS

Client Sample ID: 1 **Sample Collection Date/Time:** 11/6/12 11:00
Envision Sample Number: 12-23751 **Sample Received Date/Time:** 11/7/12 7:50
Sample Matrix: soil

Compounds	Sample Results (mg/kg)	Rep. Limit (mg/kg)	Flags
Acenaphthene	< 0.052	0.052	
Acenaphthylene	< 0.052	0.052	
Anthracene	< 0.052	0.052	
Benzo(a)anthracene	**0.055**	0.052	
Benzo(a)pyrene	< 0.052	0.052	
Benzo(b)fluoranthene	**0.124**	0.052	
Benzo(g,h,i)perylene	< 0.052	0.052	
Benzo(k)fluoranthene	< 0.052	0.052	
Chrysene	**0.055**	0.052	
Dibenzo(a,h)anthracene	< 0.052	0.052	
Fluoranthene	**0.136**	0.052	
Fluorene	< 0.052	0.052	
Indeno(1,2,3-cd)pyrene	< 0.052	0.052	
2-methylnaphthalene	< 0.052	0.052	
Naphthalene	< 0.052	0.052	
Phenanthrene	**0.067**	0.052	
Pyrene	**0.097**	0.052	
Nitrobenzene-d5 (surrogate)	23%		
2-Fluorobiphenyl (surrogate)	26%		
p-Terphenyl-d14 (surrogate)	29%		
Analysis Date/Time:	11-7-12/17:18		
Analyst Initials:	ajg		
Date Extracted:	11/07/12		
Initial Sample Weight:	30 g		
Final Volume:	1.0 mL		
Percent Solids	64%		

All results reported on dry weight basis.

ENVision Laboratories, Inc.
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

Analytical Report

Client Name: USTS

Project ID: DEME

Client Project Manager: DAVID STREICH

ENVision Project Number: 2012-2955

Client Sample ID:	1	**Sample Collection Date/Time:**	11/6/12	11:00
Envision Sample Number:	12-23751	**Sample Received Date/Time:**	11/7/12	7:50
Sample Matrix:	soil			

Analyte	Sample Results	Flags	Method
Percent Moisture	36.0%		1684
Percent Solids	64.0%		1684
Analysis Date:	11/7/12		
Analyst Initials	LLL		

ENVision Laboratories, Inc.
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

Analytical Report

Client Name: USTS

Project ID: DEME

Client Project Manager: DAVID STREICH

ENVision Project Number: 2012-2955

Analytical Method: 8260
Prep Method: 5035A
Analytical Batch: 110612V

Client Sample ID: 2
Envision Sample Number: 12-23752
Sample Matrix: soil

Sample Collection Date/Time: 11/6/12 11:00
Sample Received Date/Time: 11/7/12 7:50

Compounds	Sample Results (ug/kg)	Rep. Limit (ug/kg)	Flags
Benzene	< 6	6	
Toluene	< 6	6	
Ethylbenzene	< 6	6	
Xylene, M&P	< 6	6	
Xylene, 0rtho	< 6	6	
Xylene, Total	< 12	12	

Dibromofluoromethane (surrogate)	104%
1,2-Dichloroethane-d4 (surrogate)	102%
Toluene-d8 (surrogate)	92%
4-bromofluorobenzene (surrogate)	86%
Analysis Date/Time:	11-07-12/10:42
Analyst Initials	tjg

Percent Solids: 82%

All results reported on dry weight basis.

ENVision Laboratories, Inc.
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

Analytical Report

Client Name: USTS

Project ID: DEME

Client Project Manager: DAVID STREICH

ENVision Project Number: 2012-2955

Analytical Method: 8270 PAH-SIM
Prep Method: 3550B
Analytical Batch: 110712PSS

Client Sample ID: 2 **Sample Collection Date/Time:** 11/6/12 11:00
Envision Sample Number: 12-23752 **Sample Received Date/Time:** 11/7/12 7:50
Sample Matrix: soil

Compounds	Sample Results (mg/kg)	Rep. Limit (mg/kg)	Flags
Acenaphthene	< 0.040	0.040	
Acenaphthylene	< 0.040	0.040	
Anthracene	< 0.040	0.040	
Benzo(a)anthracene	**0.115**	0.040	
Benzo(a)pyrene	**0.076**	0.040	
Benzo(b)fluoranthene	**0.222**	0.040	
Benzo(g,h,i)perylene	< 0.040	0.040	
Benzo(k)fluoranthene	< 0.040	0.040	
Chrysene	**0.080**	0.040	
Dibenzo(a,h)anthracene	< 0.040	0.040	
Fluoranthene	**0.196**	0.040	
Fluorene	< 0.040	0.040	
Indeno(1,2,3-cd)pyrene	< 0.040	0.040	
2-methylnaphthalene	< 0.040	0.040	
Naphthalene	**0.070**	0.040	
Phenanthrene	**0.129**	0.040	
Pyrene	**0.161**	0.040	
Nitrobenzene-d5 (surrogate)	26%		
2-Fluorobiphenyl (surrogate)	32%		
p-Terphenyl-d14 (surrogate)	40%		
Analysis Date/Time:	11-7-12/17:49		
Analyst Initials:	ajg		
Date Extracted:	11/07/12		
Initial Sample Weight:	30 g		
Final Volume:	1.0 mL		
Percent Solids	82%		

All results reported on dry weight basis.

ENVision Laboratories, Inc.
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

Analytical Report

Client Name: USTS

Project ID: DEME

Client Project Manager: DAVID STREICH

ENVision Project Number: 2012-2955

Client Sample ID:	2	**Sample Collection Date/Time:**	11/6/12	11:00
Envision Sample Number:	12-23752	**Sample Received Date/Time:**	11/7/12	7:50
Sample Matrix:	soil			

Analyte	Sample Results	Flags	Method
Percent Moisture	18.0%		1684
Percent Solids	82.0%		1684
Analysis Date:	11/7/12		
Analyst Initials	LLL		

ENVision Laboratories, Inc.
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

8260 Quality Control Data

ENVision Batch Number: 110612VS

Method Blank (MB):	MB Results (ug/kg)	Rep Lim (ug/kg)	Flag
Benzene	< 5	5	
Toluene	< 5	5	
Ethylbenzene	< 5	5	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylenes, Total	<10	10	
Dibromofluoromethane (surrogate)	103%		
1,2-Dichloroethane-d4 (surrogate)	94%		
Toluene-d8 (surrogate)	96%		
4-bromofluorobenzene (surrogate)	88%		
Analysis Date/Time:	11-07-12/04:31		
Analyst Initials	tjg		

Laboratory Control Standard (LCS):	LCS Results (ug/kg)	LCS Conc (ug/kg)	% Rec	Flag
Benzene	53.7	50	107%	
Toluene	53.9	50	108%	
Ethylbenzene	48.9	50	98%	
Xylene, M&P	94.1	100	94%	
Xylene, 0rtho	50.2	50	100%	
Dibromofluoromethane (surrogate)	91%			
1,2-Dichloroethane-d4 (surrogate)	96%			
Toluene-d8 (surrogate)	91%			
4-bromofluorobenzene (surrogate)	100%			
Analysis Date/Time:	11-07-12/04:11			
Analyst Initials	tjg			

ENVision Laboratories, Inc.
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

8270 PAH-SIM Quality Control Data

ENVision Batch Number: 110712PSS2

Method Blank (MB):	Method Blank Results (mg/kg)	Reporting Limit (mg/kg)	Flag
Acenaphthene	< 0.033	0.033	
Acenaphthylene	< 0.033	0.033	
Anthracene	< 0.033	0.033	
Benzo(a)anthracene	< 0.033	0.033	
Benzo(a)pyrene	< 0.033	0.033	
Benzo(b)fluoranthene	< 0.033	0.033	
Benzo(g,h,i)perylene	< 0.033	0.033	
Benzo(k)fluoranthene	< 0.033	0.033	
Chrysene	< 0.033	0.033	
Dibenzo(a,h)anthracene	< 0.033	0.033	
Fluoranthene	< 0.033	0.033	
Fluorene	< 0.033	0.033	
Indeno(1,2,3-cd)pyrene	< 0.033	0.033	
2-methylnaphthalene	< 0.033	0.033	
Naphthalene	< 0.033	0.033	
Phenanthrene	< 0.033	0.033	
Pyrene	< 0.033	0.033	
Nitrobenzene-d5 (surrogate)	22%		
2-Fluorobiphenyl (surrogate)	17%		
p-Terphenyl-d14 (surrogate)	24%		
Analysis Date/Time	11-7-12/15:45		
Analyst Initials	ajg		
Date Extracted	11/07/12		
Initial Sample Weight:	30 g		
Final Volume	1.0 mL		

LCS/LCSD	LCS Results	LCS Concentration	LCS Recovery	Flag
Acenaphthene	1.09	2.0	54.5%	
Acenaphthylene	1.14	2.0	57.0%	
Anthracene	1.00	2.0	50.0%	
Benzo(a)anthracene	1.02	2.0	51.0%	
Benzo(a)pyrene	1.06	2.0	53.0%	
Benzo(b)fluoranthene	1.11	2.0	55.5%	
Benzo(g,h,i)perylene	1.13	2.0	56.5%	
Benzo(k)fluoranthene	1.05	2.0	52.5%	
Chrysene	1.01	2.0	50.5%	
Dibenzo(a,h)anthracene	1.11	2.0	55.5%	
Fluoranthene	1.02	2.0	51.0%	
Fluorene	1.05	2.0	52.5%	
Indeno(1,2,3-cd)pyrene	1.01	2.0	50.5%	
2-methylnaphthalene	1.07	2.0	53.5%	
Naphthalene	1.07	2.0	53.5%	
Phenanthrene	1.15	2.0	57.5%	
Pyrene	1.01	2.0	50.5%	

ENVision Laboratories, Inc.
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

8270 QC Continued...

Nitrobenzene-d5 (surrogate)	21%
2-Fluorobiphenyl (surrogate)	22%
p-Terphenyl-d14 (surrogate)	23%
Analysis Date/Time:	11-7-12/16:16
Analyst Initials:	ajg
Date Extracted:	11/07/12
Initial Sample Weight:	30 g
Final Volume:	1.0 mL

ENVision Laboratories, Inc.
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

Flag Number	Comments

ENVision Proj#: 2012-2955 Page 1 of 1

CHAIN OF CUSTODY RECORD

ENVision Laboratories, Inc. | 1439 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-8632 | Fax: (317) 351-8639

Client: USTS	Invoice Address: same
Report Address: 3333 Warrenville Rd Ste 221 Lisle IL 60532	Project Name: Deme
Report To: DS	Lab Contact: DS
Phone: 6307998192	Sampled by: DS
Fax: 8101	P.O. Number: 213-4491
Desired TAT: (Please Circle One) 1-2 days 3-6 days Std (7 bus. days)	QA/QC Required: (circle if applicable) Level III Level IV

Sample Integrity:
Cooler Temp: 4 °C (Circle)
Samples on Ice? (Yes) No
Samples Intact? (Yes) No
Custody Seal: Yes No
ENVision provided bottles: (Yes) No
VOC vials free of head-space: Yes No (N/A)
pH checked? Yes No N/A
Method 5035 collection used? (Yes) No
5035 samples received within 48 hr of Collection? (Yes) No

REQUESTED PARAMETERS

Please indicate number of containers per preservative below

Sample ID	Coll. Date	Coll. Time	Comp (C) Grab (G)	Matrix	BETX	PAH	HCl	HNO_3	H_2SO_4	NaOH	Other	None	ENVision Sample ID
1	11-6-12	11AM	G	S	✓	✓							12-23751
2	"	"	"	"	✓	✓							12-23752

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
	11-6-12	1PM		11-7-12	7:50

ENVision Laboratories, Inc.
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

5035 CHECK-IN SHEET

Client Name: USTS ENVision project#: 2012-2955

Cooler Temp: 4 °C

Method 5035A used: YES ☑ NO ☐

ENVision provided tared vials w/stir bars & Terra Core T-handles: YES ☑ NO ☐

5035A samples were received within 48 hrs of collection: YES ☑ NO ☐

5035A samples were frozen within 48 hrs of collection: YES ☑ NO ☐
If NO, did client freeze samples? YES ☐ NO ☐

> 5035ATable A.1 Reference:
> Sample is extruded into an empty sealed vial and cooled to 4° ± 2°C for no more than 48 hours then frozen to < -7°C upon laboratory receipt.

Methanol was added to a vial from each sample for Medium-Level dilution within 48 hrs of collection: YES ☑ NO ☐

> 5035ATable A.1 Reference:
> Sample is extruded into an empty sealed vial and cooled to 4° ± 2°C for no more than 48 hours then preserved with methanol upon laboratory receipt.

Performed by/Date: [illegible] 11/7/12

70 W. Madison Street, Suite 1400 A
Chicago, Illinois 60602
312-214-6144

APPENDIX G

Activity	Photo
General view uncovering the UST	
General view of UST being removed	

70 W. Madison Street, Suite 1400 A
Chicago, Illinois 60602
312-214-6144

General view of cleaned UST (note corrosion holes)		
General view following removal and backfilling