

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Lyndon Street Drums - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #9
Final POLREP
Lyndon Street Drums
C566
Detroit, MI
Latitude: 42.3955500 Longitude: -83.1502640

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From: Jeffrey Lippert, On-Scene Coordinator

Date: 1/31/2012

Reporting Period: 12/17/2011 - 01/23/12

1. Introduction

1.1 Background

Site Number:	C566	Contract Number:	EP-S5-08-04
D.O. Number:	0039	Action Memo Date:	9/14/2011
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	8/18/2011	Start Date:	8/18/2011
Demob Date:	1/23/2012	Completion Date:	1/23/2012
CERCLIS ID:	MIN000510622	RCRIS ID:	
ERNS No.:		State Notification:	08/18/2011
FPN#:	N/A	Reimbursable Account #:	N/A

1.1.1 Incident Category

The Lyndon Street Drums Site began as an emergency response on August 18, 2011. The site was secured and U.S. EPA began a time-critical removal on October 24, 2011.

1.1.2 Site Description

The site is the abandoned laboratory of Riverside Organics, Inc. The site is bordered by Lyndon Street and

commercial and industrial properties to the south, a vacant lot and commercial and industrial properties to the west, residential homes to the north, and industrial and commercial properties to the east.

1.1.2.1 Location

It is located at 8100 Lyndon Street, Detroit, Wayne County, Michigan 48238.

1.1.2.2 Description of Threat

U.S. EPA was contacted by the Detroit Fire Department (DFD) on August 18, 2011 regarding hundreds of drums and miscellaneous containers, many leaking, in an abandoned building at 8100 Lyndon Street, Detroit, Wayne County, Michigan 48238 (site). DFD requested assistance with securing the site and removal and disposal of the drums and containers.

U.S. EPA secured the building and leaking drums, collected samples and conducted air monitoring during emergency response activities on August 18, 2011. Over 500 drums and containers existed inside the building in very poor condition. U.S. EPA collected five waste liquid samples during emergency response activities. All five samples were characteristically hazardous for either ignitability, corrosivity, or toxicity as defined by 40 C.F.R § 261.21, §261.22, or §261.24, respectively. All samples collected by U.S. EPA also contained various levels of cyanide, a CERCLA hazardous substance.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

U.S. EPA responded to the site on Thursday, August 18, 2011 at approximately 1400 hours. U.S. EPA confirmed the presence of hundreds of drums and containers at the site. Many were marked "Toxic", "Flammable", "Corrosive", "Poison", "Reactive", and "Dangerous When Wet", many were leaking and in poor condition.

Many containers were stacked on top of each other and incompatible wastes (containers labeled "oxidizer" and "corrosive") were stored in close proximity of one another. VOC readings were over 500 ppm on two drums that were opened during sampling activities.

The building is in a state of disrepair. Holes in the roof are allowing rain and snow to infiltrate the building. Precipitation was contributing to the already unstable condition of the drums and containers. There was no perimeter fencing and the building was open and unlocked.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

U.S. EPA was contacted by DFD on August 18, 2011 regarding hundreds of drums and miscellaneous containers, many leaking, in an abandoned building at 8100 Lyndon Street, Detroit, Wayne County, Michigan 48238. DFD requested assistance with securing the site and removal of the drums and containers.

U.S. EPA responded to the site on Thursday, August 18, 2011 at approximately 1400 hours. U.S. EPA confirmed the presence of hundreds of drums and containers at the Site. Many were marked "Toxic", "Flammable", "Corrosive", "Poison", "Reactive", and "Dangerous When Wet", many were leaking and in poor condition.

The building is in a state of disrepair. Holes in the roof are allowing precipitation to infiltrate the building. The precipitation was contributing to the already unstable condition of the drums and containers. There was no perimeter fencing and the building was open and unlocked.

U.S. EPA secured the wastes and the building and conducted air monitoring and drum sampling on August 18, 2011.

U.S. EPA remobilized to the site on October 24, 2011 and began the time-critical removal action. The removal action was completed on January 23, 2012.

2.1.2 Response Actions to Date

For the operational period of 12/19/11 – 12/21/11, U.S. EPA completed lab packing a total of 341 unknown small-quantity containers for disposal. All hazard categorization (Hazcat) samples were returned to source containers and empty laboratory glassware was consolidated within 55-gallon drums for disposal. Debris within the building interior was swept and staged into piles and drum/container locations were mapped. Small over pack pails from the building were removed and placed inside conex boxes, large tanks were removed and staged outside and the site prepared for temporary shut-down to await for disposal approval.

During the temporary shutdown, U.S. EPA completed drum inventory, generated shipping labels for all packed waste, drafted invitation for disposal bids (IFBs) and provided full-time security accompanied by routine site checks by site personnel.

On 01/09/12 U.S. EPA returned to site to conduct full time removal activities. U.S. EPA activities conducted between 01/09/12 – 01/13/12 were comprised of removing debris from building interior and the cutting/crushing of RCRA empty drums and containers, with a total of three 20 CY roll offs of non-hazardous debris shipped off site; large metal tanks were removed from interior of building, decontaminated, dismantled, cut up and recycled. Two previously unidentified 55-gallon drums were discovered buried in debris. They were sampled and hazacatted for disposal. Thirty drums/containers of hazardous materials were transported and disposed of at an U.S. EPA approved disposal facility, in addition to three compressed gas cylinders containing hazardous and poisonous materials. Disposal bids for remaining compressed gas cylinders were sent to vendors and 'fine' sweeping of interior of building was completed. Site was then prepped for a temporary three day shut down.

From 01/17/12 – 01/20/12 U.S. EPA completed transport and disposal of 18 non-hazardous drums; 7

compressed gas cylinders containing hazardous, poisonous and/or toxic gases; prepared, labeled and disposed of 130 lab pack drums. Completed final decontamination of site equipment as needed, demobilized site infrastructure and secured building entrances accordingly.

On 01/23/12 U.S. EPA completed a final restoration/grade of property topography where site infrastructure was formerly located.

During all on site removal activities, U.S. EPA conducted both site and site perimeter air monitoring for contaminants. No readings above action levels were recorded.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

The enforcement process is on-going.

2.1.4 Progress Metrics

Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal
Hazardous Waste Liquid (Hydrazine Hydrate)	gallons	55 g	008968929	H141	Dynecol, Inc Detroit, MI
Hazardous Waste Liquid (Thionyl Liquid)	gallons	55g	008968929	H141	Dynecol, Inc Detroit, MI
Hazardous Waste Liquid (Allyl Chloride)	pounds	40	009226931	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Allyl Bromide)	pounds	60	009226931	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Toulene, Sodium Dihydrobis (2-methoxyethoxy)Aluminate)	pounds	120	009226931	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Hydrogen Peroxide)	pounds	30	009226931	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Benzyl Chloride)	pounds	100	009226932	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Methylmagnesium Chloride, Tetrahydrofuran)	pounds	60	009226932	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Styrene Monomer)	pounds	50	009226932	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Trimethylacetyl Chloride)	pounds	50	009226932	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Solid (Sodium Borohydride)	pounds	30	009226932	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Solid (Magnesium Metal Chip)	pounds	140	009226932	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Lithium Borohydride)	pounds	50	009226932	H141	Petro-Chem Processing Group Detroit, MI
					Petro-Chem

Hazardous Waste Liquid (Sodium Hydride)	pounds	80	009226932	H141	Processing Group Detroit, MI
Hazardous Waste Solid (Benzoyl Peroxide)	pounds	30	009226932	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Solid (Sodium)	pounds	06	009226932	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Sulfuryl Chloride)	gallons	20	009653648	H141	Dynecol, Inc Detroit, MI
Hazardous Compressed Gas (Trimethylamine)	pounds	5	000443938WAS	H141	Heritage Env. Services Indianapolis, IN
Hazardous Compressed Gas (3,3,3,Trifluoropropene)	pounds	5	00443938WAS	H141	Heritage Env. Services Indianapolis, IN
Hazardous Compressed Gas (Dimethyl Sulfate)	pounds	10	00443938WAS	H141	Heritage-WTI East Liverpool, OH
Non-Hazardous Waste (Floor Sweepings and Debris)	yards	30	011112-02		Carleton Farms New Boston, MI
Hazardous Waste Liquid (Sodium Hydroxide)	gallons	5	009458072	H141	Tradebe Treatment & Recycling, LLC. East Chicago, IN
Hazardous Waste Liquid (Ammonium Hydroxide)	gallons	55	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Hazardous Waste Solid (Acetic Acid)	pounds	800	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Hazardous Waste Liquid (Acetic Acid)	gallons	165	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Hazardous Waste Liquid (Formic Acid)	gallons	55	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Hazardous Waste Liquid (Acetic Anhydride)	gallons	110	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
					Tradebe Treatment

Hazardous Waste Liquid (Acetic Acid, Toulene)	gallons	55	009458072	H141	& Recycling, LLC East Chicago, IN
Hazardous Waste Liquid (Morpholine)	gallons	55	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Hazardous Waste Liquid (Allyl Chloride)	gallons	30	009458072	H141	Tradebe Treatment & Recyling, LLC East Chicago, IN
Hazardous Waste Liquid (3-Morpholine Propylamine,N) (N-Dimethylcyclohexylamine)	gallons	110	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Hazardous Waste Liquid (Cyclohexane, Fluorobenzene)	gallons	165	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Toxic Liquid (Dichloromethane, Bromoform)	gallons	220	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Hazardous Waste Liquid (Sodium Hydrosulfite)	gallons	110	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Hazardous Waste Liquid (Sulfuric Acid,Tetrahydrofuran)	gallons	110	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Hazardous Waste Liquid (Chloroanilines)	gallons	55	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Hazardous Waste Liquid (Propionic Acid)	gallons	55	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Hazardous Waste Liquid (Cyclohexane, Tetrahydrofuran)	gallons	1375	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Hazardous Waste Liquid (Ethylether)	gallons	15	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago,IN

Hazardous Waste Solid (Tritylchloride)	pounds	1500	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Hazardous Waste Solid (1-4-Butynediol)	pounds	300	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Toxic Liquid, Organic	pounds	300	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Hazardous Waste Solid (Thionyl Chloride)	pounds	300	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Non-Hazardous Liquid	gallons	345	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Non-Hazardous Solid	pounds	7000	009458072	H141	Tradebe Treatment & Recycling, LLC East Chicago, IN
Hazardous Waste Liquid (Benzylamine)	pounds	10	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Triethylamine, Diethylamine)	pounds	30	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Trityl Chloride, Phosphoric Acid)	pounds	200	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Phosphoric Acid)	pounds	100	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Benzoyl Chloride, Sulfonyl Chloride)	pounds	10	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Sulfuric Acid, Phosphoric Acid)	pounds	1200	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Solid (Trityl Chloride)	pounds	10	009231374	H141	Petro-Chem Processing Group Detroit, MI

Hazardous Waste Solid (Phosphoric Acid, Sulfuric Acid)	pounds	400	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Basic, Inorganic)	pounds	200	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Sodium Hydroxide)	pounds	400	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Acetic Acid)	pounds	200	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Solid (Acetic Acid)	pounds	450	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste Liquid (Sodium Hypochlorite)	pounds	50	009231374	H141	Petro-Chem Processing Group Detroit, MI
Toxic Liquid (Benzyl Chloride Stabilized) (Sufuryl Chloride)	pounds	10	009231374	H141	Petro-Chem Processing Group Detroit, MI
Toxic Solid (4-Cyanopyridene-N-Oxide)	pounds	50	009231374	H141	Petro-Chem Processing Group Detroit, MI
Toxic Liquid (1,8-Diazabicyclo(5,4- 0undec-7-ene)	pounds	1	009231374	H141	Petro-Chem Processing Group Detroit, MI
Toxic Liquid (3-Chlorobenzyl Chloride)	pounds	1	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Solid (Hydroxylamine Hydrochloride)	pounds	1	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Solid (Cyanides)	pounds	10	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste (Sodium Borohydride)	pounds	1	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste (Phosphorus, Amorous)	pounds	2	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste (Sulfur)	pounds	30	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste (Epichlorohydrin)	pounds	1	009231374	H141	Petro-Chem Processing Group Detroit, MI
					Petro-Chem

Hazardous Waste (Diketene)	pounds	1	009231374	H141	Processing Group Detroit, MI
Hazardous Waste (Hexamethylenetetramine)	pounds	2	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste (Sulfuric Acid, Fuming)	pounds	2	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste (Sodium Methylate)	pounds	2	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste (Acetyl Chloride)	pounds	2	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste (N-Aminoethylpiperazine)	pounds	10	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste (Allyl Chloride)	pounds	20	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste (Sodium)	pounds	1	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste (Tetramethylsilane)	pounds	1	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste (Sufuryl Chloride)	pounds	800	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Liquid (Pyrophoric, Water-Reactive)(N-Butyllithium)	pounds	5	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste (Acrylic Acid, Stabilized)	pounds	2	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste (Phosphorus Pentoxide)	pounds	2	009231374	H141	Petro-Chem Processing Group Detroit, MI
Non RCRA Regulated Liquids	pounds	6000	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Liquid (Lithium Hydroxide, Sodium Hydroxide)	pounds	50	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Waste (Aluminum Chloride, Anhydrous)	pounds	4	009231374	H141	Petro-Chem Processing Group Detroit, MI
					Petro-Chem

Non RCRA Regulated Solids	pounds	6050	009231374	H141	Processing Group Detroit, MI
Toxic Liquids (2-Bromopyridine)	pounds	5	009231374	H141	Petro-Chem Processing Group Detroit, MI
Waste Flammable Liquids	pounds	2800	009231374	H141	Petro-Chem Processing Group Detroit, MI
Waste Flammable Liquids (Furfuryl)	pounds	400	009231374	H141	Petro-Chem Processing Group Detroit, MI
Waste Flammable Liquids (Styrene,1-2- Dimethoxyethane)	pounds	400	009231374	H141	Petro-Chem Processing Group Detroit, MI
Waste Flammable Liquids (Indene)	pounds	5	009231374	H141	Petro-Chem Processing Group Detroit, MI
Waste Flammable Liquids (Morpholine,4-Methyl Morpholine)	pounds	5	009231374	H141	Petro-Chem Processing Group Detroit, MI
Waste Mercury	pounds	5	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Liquid (Chromium Trioxide,Silver Nitrate)	pounds	400	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Liquid (Tributyl Phosphine)	pounds	2	009231374	H141	Petro-Chem Processing Group Detroit, MI
Toxic Liquid (Aniline,4-Fluroaniline)	pounds	50	009231374	H141	Petro-Chem Processing Group Detroit, MI
Toxic Liquid (Carbon tetrachloride,1,2- Dibromomethane)	pounds	50	009231374	H141	Petro-Chem Processing Group Detroit, MI
Toxic Liquid (Phenol,Dibromomethane)	pounds	400	009231374	H141	Petro-Chem Processing Group Detroit, MI
Toxic Liquid (Thiourea,Lead)	pounds	400	009231374	H141	Petro-Chem Processing Group Detroit, MI
Toxic Solid (Hexachloromethyl Carbonate)	pounds	5	009231374	H141	Petro-Chem Processing Group Detroit, MI
Toxic Solid (2-Chloroacetophenone)	pounds	400	009231374	H141	Petro-Chem Processing Group Detroit, MI

Hazardous Solid (Water Reactive, Sodium Amide)	pounds	1	009231374	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Solid (Water Reactive, Zinc, Copper)	pounds	20	009231374	H141	Petro-Chem Processing Group Detroit, MI
Toxic Flammable Liquid (Allyl Cyanide)	pounds	20	0092313174	H141	Petro-Chem Processing Group Detroit, MI
Hazardous Compressed Gas (Dimethylamine, Anhydrous)	pounds	200	008914734	H141	Tradebe Treatment & Recycling LLC East Chicago, IN
Hazardous Compressed Gas (Propane)	pounds	100	008914734	H141	Tradebe Treatment & Recycling LLC East Chicago, IN
Hazardous Compressed Gas (Ammonia Anhydrous)	pounds	200	008914734	H141	Tradebe Treatment & Recycling LLC East Chicago, IN
Hazardous Compressed Gas (Hydrogen Sulfide)	pounds	5	008914734	H141	Tradebe Treatment & Recycling LLC East Chicago, IN
Hazardous Compressed Gas (Hydrogen Chloride, Anhydrous)	pounds	200	008914734	H141	Tradebe Treatment & Recycling LLC East Chicago, IN
Hazardous Compressed Gas	pounds	5	008914734	H141	Tradebe Treatment & Recycling LLC East Chicago, IN

R5 Priorities Summary		
This is an Integrated River Assessment. The numbers should overlap.	Miles of river systems cleaned and/or restored	N/A
	Cubic yards of contaminated sediments removed and/or capped	N/A
	Gallons of oil/water recovered	N/A
	Acres of soil/sediment cleaned up in floodplains and riverbanks	N/A
Stand Alone Assessment	Acres Protected	1
	Number of contaminated residential yards cleaned up	N/A
	Human Health Exposures Avoided	832
	Number of workers on site	15

2.2 Planning Section

2.2.1 Anticipated Activities

None. The removal action at the site has been completed.

2.2.1.1 Planned Response Activities

None.

2.2.1.2 Next Steps

START will issue a final report. The report will be posted to the document section of www.epaosc.org/lyndonstreet

2.2.2 Issues

None.

2.3 Logistics Section

N/A

2.4 Finance Section

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$660,000.00	\$593,182.99	\$66,817.01	10.12%
TAT/START	\$70,000.00	\$56,500.00	\$13,500.00	19.29%
Intramural Costs				
Total Site Costs	\$730,000.00	\$649,682.99	\$80,317.01	11.00%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

N/A

2.5.2 Liaison Officer

N/A

2.5.3 Information Officer

N/A

3. Participating Entities

3.1 Unified Command

Unified Command was not utilized.

3.2 Cooperating Agencies

Detroit Fire Department
Michigan Department of Environmental Quality
Detroit Environmental Affairs
United States Coast Guard - Atlantic Strike Team
Wayne County Treasurer's Office

4. Personnel On Site

U.S. EPA - 1
START - 1
ERRS - 7

5. Definition of Terms

U.S. EPA - United States Environmental Protection Agency
ERRS - Emergency and Rapid Response Service
START - Superfund Technical Assessment and Response Team
DFD - Detroit Fire Department
C.F.R - Code of Federal Regulations
USCG - United States Coast Guard
ppm - Parts Per Million
ppb - Parts Per Billion
VOC - Volatile Organic Compound
HASP - Health and Safety Plan
MDEQ - Michigan Department of Environmental Quality
CY - Cubic Yard

6. Additional sources of information

6.1 Internet location of additional information/report

www.epaosc.org/lyndonstreetdrums

6.2 Reporting Schedule

A final report will be issued by START. It will be posted to the website upon its completion. This is the Final POLREP. No further POLREPs will be issued for this site.

7. Situational Reference Materials

Material Safety Data sheets

Emergency Response Guidebook

POLREP #9 Last Updated 2/10/2012